Appendix A: Air Quality, Greenhouse Gas, Energy Impact Analysis

To: City of Tustin, Planning Division

From: Alex J. Garber

Date: 7/25/2022

Re: Air Quality, Energy, and Greenhouse Gas Impact Analysis for the 17802 Irvine Boulevard Residential Development

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This technical memorandum presents an analysis of the air quality, energy, and greenhouse gas (GHG) impact for the proposed 17802 Irvine Boulevard Residential Development (project), located at 17802 Irvine Boulevard in the City of Tustin. The project proposes the construction of 36 townhomes and four single family homes with common open space and landscaping on a 2.071-acre site. The site is currently developed with two office buildings totaling 44,948 square feet (sf). The project site is shown in Figure 1 Project Site. To support the CEQA document for the proposed project, this report analyzes the proposed project's construction and net operational impacts to air quality (emission of criterial pollutants) emissions using the California Emissions Estimator Model (CalEEMod v. 2022.1) land use emission model. Table 1: *Construction Schedule* shows the estimated construction schedule, which is expected to last about 11 months.

Table 1. Construction Schedule

Activity	Start Date	End Date	Total Days
Demolition	3/1/2023	3/23/2023	20
Site Preparation	3/24/2023	3/31/2023	7
Grading	4/1/2023	4/17/2023	14
Building Construction	4/18/2023	12/29/2023	220
Paving	1/1/2024	1/11/2024	10
Architectural Coating	1/12/2024	1/23/2024	10

Summary of Air Quality, Energy and GHG Impacts

Air Quality:

The project's maximum daily emissions (regional and local) for construction and operation of the project would not exceed SCAQMD's regional thresholds of significance. In addition, all construction activities would comply with applicable SCAQMD rules and regulations, including Rule 403 to minimize fugitive PM dust emissions, Rule 445 preventing woodfire stoves, and Rule 1113 which allows only Low-Volatile Organic Compounds (VOC) paints. Projects that do not exceed the regional thresholds are assumed to not have a significant impact on a project level and cumulative level. Therefore, the proposed project would have less than significant air quality impacts.

Energy:

The project's energy consumption for construction does not have any unusual characteristics and is not less efficient compared with other similar construction sites. The operation of the project is also similar to other residential projects and would comply with Title 24 as well as all applicable City business and energy codes and ordinances.

GHG:
Finally, the proposed project's net GHG emissions of -180 $MTCO_2e$ per year are below the existing operation and the SCAQMD significance threshold of 3,000 $MTCO_2e$ per year for residential projects. Therefore, the project has a less then significant impact on GHG emissions.

Air Quality Impact Tables

Regional Emissions
The SCAQMD has adopted maximum daily emission thresholds[1] (pounds/day) for the criteria pollutants during construction and operation of a project. While incremental regional air quality impacts of an individual project are generally very small and difficult to measure, SCAQMDs regional maximum emission thresholds set standards to reduce the burden of SCAQMD to attain and maintain ambient air quality standards. The regional thresholds apply to the criteria pollutants mentioned above and can be found in Table 2: *Regional Construction Emissions Estimates* and Table 3: *Net Regional Operational Emissions Estimates* along with the CalEEMod projects emissions. These emission thresholds include the project emissions generated both from onsite sources (such as off-road construction equipment and fugitive dust) and offsite sources (vehicle travel leaving and arriving to the site). As can be seen in Table 2 and Table 3, the project would have less then significant regional air quality impacts.

Table 2. Regional Construction Emission Estimates

Construction Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
2023						
Demolition	1.8	19.5	18.6	0.0	3.2	1.1
Site Prep	1.4	13.9	11.9	0.0	1.0	0.6
Grading	2.1	31.5	23.4	0.1	3.6	2.1
Building Construction	1.6	12.6	14.7	0.0	0.6	0.5
Maximum Daily Emissions	2.1	31.5	23.4	0.1	3.6	2.1
2024						
Paving	0.8	6.4	8.3	0.0	0.3	0.3
Architectural Coating	50.3	1.2	1.5	0.0	0.0	0.0
Maximum Daily Emissions	50.3	6.4	8.3	0.0	0.3	0.3
Maximum Daily Emission 2023-2024	**50.3**	**31.5**	**23.4**	**0.1**	**3.6**	**2.1**
SCAQMD Significance Thresholds	*75*	100	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Table 3. Net Regional Operational Emission Estimates

Operational Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Area	2.1	0.7	2.5	0.0	0.1	0.1
Energy	0.0	0.3	0.1	0.0	0.0	0.0
Mobile	1.2	1.1	11.2	0.0	1.0	0.2
Total Project Operational Emissions	3.3	2.0	13.8	0.0	1.1	0.3
Existing Total Emissions	3.3	1.9	17.8	0.0	1.4	0.3
Net Total Operational Emissions	**0.0**	**0.2**	**-4.0**	**0.0**	**-0.3**	**0.0**
SCAQMD Significance Thresholds	*55*	*55*	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

[1] SCAQMD April 2019. Found at http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf

Local Emissions

Localized significance thresholds (LSTs) were also adopted by the SCAQMD due to project-related construction or operational air emissions having the potential to exceed the state and national air quality standards in the project vicinity, while not exceeding the regional emission significance thresholds adopted by the SCAQMD. These thresholds set the maximum rates of daily construction or operational emissions from a project site that would not exceed a national or State ambient air quality standard[2]. The differences between regional thresholds and LSTs are as follows:

1. Regional thresholds include all sources of project construction and operational emissions generated from onsite and offsite emission sources whereas the LSTs only consider the emissions generated from onsite emission sources.
2. LSTs only apply to CO, NO_x, PM_{10}, and $PM_{2.5}$, while regional thresholds include both ROG and SO_x.
3. Regional Thresholds apply to emission sources located anywhere within the SCAQMD whereas the LSTs are location dependent and also depend on the size of the project, and emission location relative to the nearest sensitive receptor.

A sensitive receptor is defined as an individual who is most susceptible to negative health affects when exposed to air pollutants including children, the elderly, and adults with chronic health issues. Such receptors include residences, schools, elderly care centers, and hospitals. SCAQMD provides screening look up tables (Appendix C of the SCAQMD 2008 Final Localized Significance Threshold Methodology)[3] for projects that disturb less than or equal to 5 acres in size in a day. These tables were created to easily determine if the daily emissions of NO_x, CO, PM_{10}, and $PM_{2.5}$ from a project could result in a significant impact to the local air quality. The thresholds are determined by:

- Source receptor area (SRA), the geographic area within the SCAQMD that can act as both a source of emissions and a receptor of emission impacts (project is located within SRA 17, Central Orange County),
- Size of the project,
- Distance to the nearest sensitive receptor.

The phase with the most ground disturbance would be the grading phase, which would grade 2 acres per day, so 2 acres were used for the look up tables. The thresholds for 2 acres from Appendix C were used. Distance to the nearest sensitive receptor also determines the emission thresholds. The sensitive receptors closest to the project include residential homes northwest of the project boundary, about 10.00 meters (32.81 feet) from the property line. These receptors (distance from the project property line to the residential structure) are less than the minimum distance provided in the lookup tables (25 meters). Therefore, 25 meters (82 feet) was used. Table 4: *Localized Construction Emission Estimates* shows the thresholds and estimated maximum daily construction emissions for the proposed project. As seen in Table 4, the proposed project has a less then significant localized construction air quality impact.

[2] SCAQMD 2008: Final Localized Significance Threshold Methodology. Referenced on 9/3/2020 at http://www.aqmd.gov/docs/defaultsource/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf

[3] SCAQMD 2008: Final Localized Significance Threshold Methodology Appendix C. Referenced on 9/16/2020 at http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2

Table 4. Localized Construction Emission Estimates

Construction Activity	Maximum Daily Regional Emissions (pounds/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
2022				
Demolition	17.0	16.9	3.0	1.0
Site Prep	13.9	11.9	1.0	0.6
Grading	17.8	16.8	2.7	1.7
Building Construction	12.3	12.8	0.5	0.5
Maximum Daily Emissions	17.8	16.9	3.0	1.7
2023				
Paving	6.4	8.3	0.3	0.3
Architectural Coating	1.2	1.5	0.0	0.0
Maximum Daily Emissions	6.4	8.3	0.3	0.3
Maximum Daily Emission 2021-2022	17.8	16.9	3.0	1.7
SCAQMD Significance Thresholds	115	715	6	4
Threshold Exceeded?	**No**	**No**	**No**	**No**

According to the SCAQMD LST methodology, LSTs apply to project stationary mobile sources. Projects that involve mobile sources that spend long periods queuing and idling at a site, such as transfer facilities or warehousing and distribution buildings, have the potential to exceed the operational localized significance thresholds. The proposed project would operate 40 residential units, which do not involve vehicles idling or queueing for long periods. Therefore, due to the lack of significant stationary source emissions, impacts related to operational localized significance thresholds would be less than significant.

Energy

The State CEQA Guidelines do not have specific thresholds for Energy consumption. Rather, the question in Appendix G: VI Energy (a) asks, "[Does the proposed project] Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?". Therefore, for the purpose of this analysis, a significant impact would occur if:

- The Project design and/or location encourages wasteful, inefficient, and unnecessary consumption of energy, especially fossil fuels such as coal, natural gas, and petroleum, as well as the use of fuel by vehicles anticipated to travel to and from the project.

The following assumptions were used to calculate the energy consumption of the proposed project:

- The project's construction and operational energy consumption would be provided by Southern California Edison Company.
- Construction equipment fuel consumption derived from ARB Offroad2021 emission model
- Fuel Consumption from vehicle travel derived from ARB EMFAC2021 emission model
- Electrical and natural gas usage derived from the CalEEMod model

Construction

Electricity and Natural Gas Usage:

Due to the project size and the fact that construction is temporary, the electricity used would be substantially less than that required for project operation and would have a negligible contribution to the project's overall energy consumption. The electric power used would be for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers. Natural gas is not anticipated to be needed for construction activities. Any consumption of natural gas would be minor and negligible in comparison to the operation of the proposed project.

Petroleum Fuel Usage:

The construction equipment associated with construction activities (off-road/heavy duty vehicles) would rely on diesel fuel as would vendor and haul trucks involved in delivering building materials and removing the demolition debris from the project site. Construction workers would travel to and from the project site throughout the duration of construction, and for a conservative analysis it is assumed that construction workers would travel in gasoline-powered passenger vehicles.

Table 5: C*onstruction Equipment Fuel Usage*, used the total fuel consumption and horsepower-hour data contained within the ARB OffRoad2021 emission model for specific types of diesel construction equipment. It should be noted that the total fuel consumption is a conservative analysis and would likely overstate the amount of fuel usage, as specific construction equipment is not expected to operate during the duration of the construction activity (i.e., crane). Table 6: *Estimate Project Vehicle Fuel Usage*, summarizes the project's construction vehicle fuel usage based on vehicle miles traveled and fuel usage factors contained in the ARB EMFAC2021. The trips included are worker vehicles, vendor vehicles, and haul vehicles. Table 7: *Total C*onstruction *Fuel Usage*, shows the overall fuel consumption for construction of the proposed project.

Table 5. Construction Equipment Fuel Usage

Activity	Equipment	Number	Hours per day	Horse-power	Load Factor	Days of Construction	Total Horsepower-hours	Fuel Rate (gal/hp-hr)	Fuel Use (gallons)
Demolition	Tractors/Loaders/Backhoes	3	8	84	0.37	20	14,918	0.01915595	286
	Rubber Tired Dozers	1	8	367	0.4	20	23,488	0.02061516	484
	Concrete/Industrial Saws	1	8	33	0.73	20	3,854	0.04182672	161
Site Preparation	Graders	1	8	148	0.41	7	3,398	0.02116786	72
	Scrapers	1	8	423	0.48	7	11,370	0.02500758	284
	Tractors/Loaders/Backhoes	1	8	84	0.37	7	1,740	0.01915595	33
Grading	Graders	1	8	148	0.41	14	6,796	0.02116786	144
	Rubber Tired Dozers	1	8	367	0.4	14	16,442	0.02061516	339
	Tractors/Loaders/Backhoes	2	8	84	0.37	14	6,962	0.01915595	133
Model Building Construction	Cranes	1	8	367	0.29	220	187,317	0.01489692	2,790
	Forklifts	2	8	82	0.2	220	57,728	0.01044404	603
	Generator Sets	1	8	14	0.74	220	18,234	0.04233865	772
	Tractors/Loaders/Backhoes	1	8	84	0.37	220	54,701	0.01915595	1,048
	Welder	3	8	46	0.45	220	109,296	0.02583478	2,824
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	10	2,486	0.01915595	48
	Pavers	1	8	81	0.42	10	2,722	0.0215369	59
	Paving Equipment	1	8	89	0.36	10	2,563	0.01846541	47
	Rollers	2	8	36	0.38	10	2,189	0.01983745	43
	Cement and Mortar Mixers	1	8	10	0.56	10	448	0.01976757	9
Architectural Coating	Air Compressors	1	8	78	0.48	10	2,995	0.02759304	83
								Total	10,262

Table 6. Estimated Project Vehicle Fuel Usage

Construction Source	Number	VMT	Fuel Rate	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Haul Trucks	175	3,500	5.93	591	0
Vendor Trucks	4	8,976	8.93	1,005	0
Worker Vehicles	65	122,026	26.85	0	4,545
Total				1,596	4,545

Table 7. Total Construction Fuel Usage

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Construction Vehicles	1,596	4,545
Off-road Construction Equipment	10,262	0
Total	11,858	4,545

Operation

The operation of the proposed project would consume electricity, natural gas, and petroleum. The net energy consumption can be found in Table 8: *Net Annual Operational Energy Requirements*, below. Electricity and natural gas consumption were found in the Annual CalEEMod Output Sheets attached. The gasoline consumption rates utilize the same assumptions that were used for the worker vehicles.

Table 8. Net Annual Operational Energy Requirements

Operational Source	Energy Usage	
Electricity (Kilowatt-Hours)		
Project	195,990	
Existing	840,633	
Net	**-644,643**	
Natural Gas (Thousands British Thermal Units)		
Project	1,018,434	
Existing	1,139,273	
Net	**-120,839**	
Petroleum (gasoline) Consumption		
	Annual VMT	Gallons of Gasoline Fuel
Project	1,116,376	41,585
Existing	1,306,902	48,682
Net	**-190,544**	**-7,098**

Conclusion

The proposed project has no unusual characteristics that would make the construction fuel and energy consumption associated with construction of the project less efficient compared with other similar construction sites throughout the state. The consumption would also be temporary and localized. Operation of the 36 townhome and four single family residential units would comply with all the energy efficiency requirements under Title 24 and all applicable City business and energy codes ordinances. Therefore, the construction and operation of the project would result in a less than significant impact for inefficient, wasteful, or unnecessary energy use, and no mitigation would be required.

Greenhouse Gas

SCAQMD has convened a Greenhouse Gas Emissions (GHG) CEQA Significance Threshold Working Group to help lead agencies determine significance thresholds for GHG emissions when SCAQMD is not the lead

agency. The last working group was held September 2010 (Meeting No. 15)[4] and proposed a tiered approach, equivalent to the existing consistency determination requirements in CEQA Guidelines Sections 15064(h)(3), 15125(d), or 15152(a). The most recent proposal issued in Meeting No. 15 uses a tiered approach, Tier 1 to Tier 5, to evaluate potential GHG impacts from various uses. This assessment will apply the Tier 3: Numerical Screening Thresholds approach. Tier three consists of screening values in metric tons of carbon dioxide equivalent ($MTCO_2e$) (converting other greenhouse gasses to an equivalent impact of CO_2), which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the project impact would be is less than significant:

- Option 1: All land use types: 3,000 $MTCO_2e$ per year
- Option 2: Based on land use type: residential: 3,500 $MTCO_2e$ per year; commercial: 1,400 $MTCO_2e$ per year; or mixed use: 3,000 MT CO_2e per year

Executive Order S-3-05's year 2050 goal is the basis of SCAQMD' draft Tier 3 screening level thresholds. The objective of the Executive Order is to contribute to capping worldwide CO_2 concentrations at 450 ppm, stabilizing global climate change. The City of Tustin utilizes Option 1, and therefore the threshold is 3,000 $MTCO_2e$ per year.

The project's construction GHG emissions are shown in Table 9: *Project Construction GHG Emissions*, and the overall construction and operational emissions are shown in Table 10: *Net GHG Emissions*. These emissions were calculated using the CalEEMod Model. The construction emissions are amortized over 30 years. As shown in Table 10, the net GHG emissions are -180 $MTCO_2e$ per year, below the existing operation and the 3,000 $MTCO_2e$ per year. Therefore, the project would have a less than significant GHG impact.

Table 9. Project Construction GHG Emissions

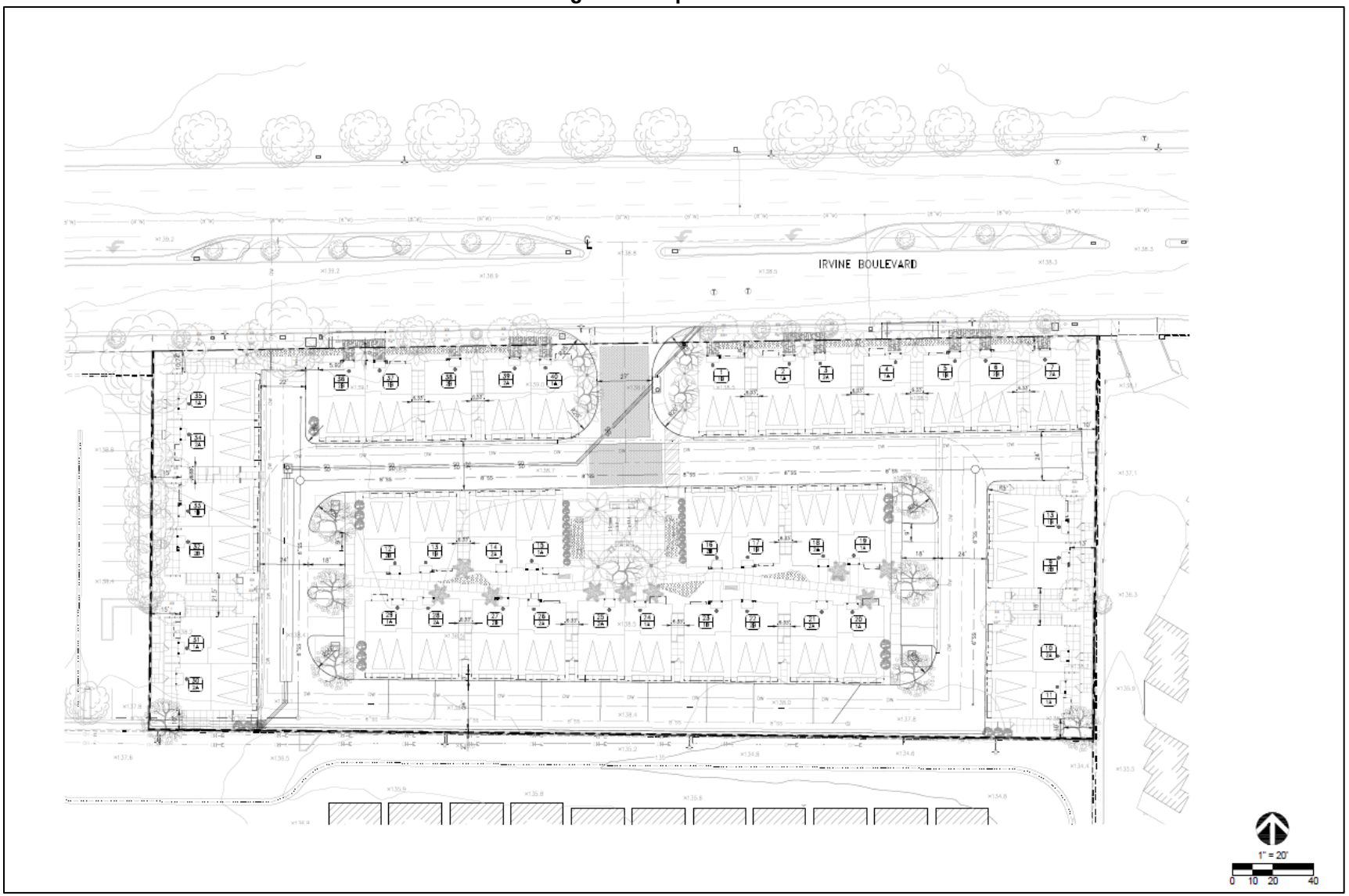
Activity	Annual GHG Emissions ($MTCO_2e$)
2023	423
2024	6
Total Emissions	429
Total Emissions Amortized Over 30 Years	14

[4] SCAQMD 2010. Minutes of the GHG CEQA Significance Threshold Stakeholder Working Group #15. Referenced on 9/21/2020 at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf

Table 10. Net GHG Emissions

Activity	Annual GHG Emissions ($MTCO_2e$)
Project Operational Emissions	
Mobile	396
Area	10
Energy	86
Water	4
Waste	3
Total Project Gross Operation Emissions	499
Project Construction Emissions	14
Total Emissions	513
Existing	693
Net	**-180**
Significance Threshold	3,000
Threshold Exceeded?	**No**

Figure 1: Project Site Plan



CalEEMod Output Sheets

17802 Irvine Blvd Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	17802 Irvine Blvd
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	18.6
Location	33.747968199954116, -117.82095966535911
County	Orange
City	Tustin
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5963
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	36.0	Dwelling Unit	1.79	71,767	4,626	9,869	107	—
Single Family Housing	4.00	Dwelling Unit	0.20	8,016	514	1,096	12.0	—
Parking Lot	9.00	Space	0.08	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	2.07	31.6	23.3	0.09	5.67	2.59	13,963
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	50.3	19.5	18.6	0.04	3.65	1.23	4,621
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	1.40	10.1	10.9	0.02	0.99	0.53	2,553
Annual (Max)	—	—	—	—	—	—	—
Unmit.	0.26	1.85	1.98	< 0.005	0.18	0.10	423
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—
2023	2.07	31.6	23.3	0.09	5.67	2.59	13,963
Daily - Winter (Max)	—	—	—	—	—	—	—
2023	1.82	19.5	18.6	0.04	3.65	1.23	4,621
2024	50.3	6.44	8.26	0.01	0.49	0.33	1,248
Average Daily	—	—	—	—	—	—	—
2023	1.14	10.1	10.9	0.02	0.99	0.53	2,553
2024	1.40	0.21	0.27	< 0.005	0.02	0.01	39.1
Annual	—	—	—	—	—	—	—
2023	0.21	1.85	1.98	< 0.005	0.18	0.10	423
2024	0.26	0.04	0.05	< 0.005	< 0.005	< 0.005	6.47

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	3.34	1.94	13.8	0.03	1.08	0.27	4,269
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	3.12	2.01	10.7	0.03	1.08	0.26	4,144
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	3.05	1.27	10.8	0.03	0.89	0.19	3,012
Annual (Max)	—	—	—	—	—	—	—
Unmit.	0.56	0.23	1.97	< 0.005	0.16	0.03	499
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—

Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—
Exceeds (Annual)	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	No

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	1.23	1.00	11.2	0.03	1.00	0.19	2,861
Area	2.09	0.69	2.54	< 0.005	0.05	0.05	849
Energy	0.02	0.26	0.11	< 0.005	0.02	0.02	516
Water	—	—	—	—	—	—	23.3
Waste	—	—	—	—	—	—	18.8
Refrig.	—	—	—	—	—	—	0.57
Total	3.34	1.94	13.8	0.03	1.08	0.27	4,269
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	1.22	1.09	10.3	0.03	1.00	0.19	2,742
Area	1.88	0.66	0.28	< 0.005	0.05	0.05	843
Energy	0.02	0.26	0.11	< 0.005	0.02	0.02	516
Water	—	—	—	—	—	—	23.3
Waste	—	—	—	—	—	—	18.8
Refrig.	—	—	—	—	—	—	0.57
Total	3.12	2.01	10.7	0.03	1.08	0.26	4,144

Average Daily	—	—	—	—	—	—	—
Mobile	1.04	0.95	9.12	0.02	0.86	0.16	2,391
Area	1.99	0.06	1.57	< 0.005	< 0.005	< 0.005	61.9
Energy	0.02	0.26	0.11	< 0.005	0.02	0.02	516
Water	—	—	—	—	—	—	23.3
Waste	—	—	—	—	—	—	18.8
Refrig.	—	—	—	—	—	—	0.57
Total	3.05	1.27	10.8	0.03	0.89	0.19	3,012
Annual	—	—	—	—	—	—	—
Mobile	0.19	0.17	1.66	< 0.005	0.16	0.03	396
Area	0.36	0.01	0.29	< 0.005	< 0.005	< 0.005	10.3
Energy	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	85.4
Water	—	—	—	—	—	—	3.86
Waste	—	—	—	—	—	—	3.12
Refrig.	—	—	—	—	—	—	0.09
Total	0.56	0.23	1.97	< 0.005	0.16	0.03	499

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.74	17.0	16.9	0.02	0.76	0.70	2,502
Demolition	—	—	—	—	2.23	0.34	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.93	0.93	< 0.005	0.04	0.04	137
Demolition	—	—	—	—	0.12	0.02	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.17	0.17	< 0.005	0.01	0.01	22.7
Demolition	—	—	—	—	0.02	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.05	0.06	0.70	0.00	0.01	0.00	166
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	2.45	1.04	0.01	0.15	0.07	1,952
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	< 0.005	0.00	9.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.06	< 0.005	0.01	< 0.005	107
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	0.00	1.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	17.7

3.3. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e

Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.38	13.9	11.9	0.03	0.61	0.56	2,762
Dust From Material Movement	—	—	—	—	0.41	0.04	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.23	< 0.005	0.01	0.01	53.0
Dust From Material Movement	—	—	—	—	0.01	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.04	< 0.005	< 0.005	< 0.005	8.77
Dust From Material Movement	—	—	—	—	< 0.005	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.03	0.04	0.42	0.00	0.01	0.00	99.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	0.00	1.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	0.00	0.32

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.81	17.8	16.8	0.02	0.85	0.78	2,535
Dust From Material Movement	—	—	—	—	1.86	0.89	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.68	0.64	< 0.005	0.03	0.03	97.2
Dust From Material Movement	—	—	—	—	0.07	0.03	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.12	< 0.005	0.01	0.01	16.1
Dust From Material Movement	—	—	—	—	0.01	0.01	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.04	0.04	0.65	0.00	0.01	0.00	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	13.7	5.93	0.07	0.86	0.39	11,288

Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	0.00	5.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.55	0.23	< 0.005	0.03	0.02	433
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	0.00	0.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.04	< 0.005	0.01	< 0.005	71.6

3.7. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.44	12.3	12.8	0.02	0.53	0.49	2,320
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.44	12.3	12.8	0.02	0.53	0.49	2,320
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.87	7.38	7.70	0.01	0.32	0.30	1,398
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.35	1.40	< 0.005	0.06	0.05	231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.11	1.78	0.00	0.02	0.00	384
Vendor	< 0.005	0.15	0.08	< 0.005	0.01	< 0.005	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.10	0.13	1.54	0.00	0.02	0.00	364
Vendor	< 0.005	0.16	0.08	< 0.005	0.01	< 0.005	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.06	0.08	0.97	0.00	0.01	0.00	223
Vendor	< 0.005	0.10	0.05	< 0.005	0.01	< 0.005	88.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	< 0.005	0.00	36.9
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	14.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.75	6.44	8.26	0.01	0.31	0.29	1,248
Paving	0.02	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.23	< 0.005	0.01	0.01	34.2

Paving	< 0.005	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	< 0.005	5.66
Paving	< 0.005	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.21	1.53	< 0.005	0.04	0.04	179
Architectural Coatings	50.1	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	< 0.005	4.89
Architectural Coatings	1.37	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.81
Architectural Coatings	0.25	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Condo/Townhouse	1.10	0.89	9.97	0.02	0.16	0.06	2,554
Single Family Housing	0.13	0.11	1.20	< 0.005	0.02	0.01	307
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.23	1.00	11.2	0.03	0.18	0.07	2,861
Daily, Winter (Max)	—	—	—	—	—	—	—
Condo/Townhouse	1.09	0.97	9.22	0.02	0.16	0.06	2,448
Single Family Housing	0.13	0.12	1.11	< 0.005	0.02	0.01	294
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.22	1.09	10.3	0.03	0.18	0.07	2,742
Annual	—	—	—	—	—	—	—
Condo/Townhouse	0.17	0.15	1.46	< 0.005	0.02	0.01	348
Single Family Housing	0.02	0.02	0.20	< 0.005	< 0.005	< 0.005	48.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.19	0.17	1.66	< 0.005	0.03	0.01	396

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	159
Single Family Housing	—	—	—	—	—	—	26.5
Parking Lot	—	—	—	—	—	—	2.97
Total	—	—	—	—	—	—	188
Daily, Winter (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	159
Single Family Housing	—	—	—	—	—	—	26.5
Parking Lot	—	—	—	—	—	—	2.97
Total	—	—	—	—	—	—	188
Annual	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	26.3
Single Family Housing	—	—	—	—	—	—	4.39
Parking Lot	—	—	—	—	—	—	0.49
Total	—	—	—	—	—	—	31.2

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Condo/Townhouse	0.01	0.22	0.09	< 0.005	0.02	0.02	278
Single Family Housing	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	49.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.26	0.11	< 0.005	0.02	0.02	327

Daily, Winter (Max)	—	—	—	—	—	—	—
Condo/Townhouse	0.01	0.22	0.09	< 0.005	0.02	0.02	278
Single Family Housing	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	49.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.26	0.11	< 0.005	0.02	0.02	327
Annual	—	—	—	—	—	—	—
Condo/Townhouse	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	46.0
Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	8.16
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	54.2

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.04	0.66	0.28	< 0.005	0.05	0.05	843
Consumer Products	1.71	—	—	—	—	—	—
Architectural Coatings	0.14	—	—	—	—	—	—
Landscape Equipment	0.21	0.02	2.26	< 0.005	< 0.005	< 0.005	6.09
Total	2.09	0.69	2.54	< 0.005	0.05	0.05	849
Daily, Winter (Max)	—	—	—	—	—	—	—
Architectural Coatings	50.3	—	—	—	—	—	—
Hearths	0.04	0.66	0.28	< 0.005	0.05	0.05	843
Consumer Products	1.71	—	—	—	—	—	—
Total	52.0	0.66	0.28	< 0.005	0.05	0.05	843

Annual	—	—	—	—	—	—	—
Architectural Coatings	0.28	—	—	—	—	—	—
Hearths	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	9.56
Consumer Products	0.31	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.28	< 0.005	< 0.005	< 0.005	0.69
Total	0.61	0.01	0.29	< 0.005	< 0.005	< 0.005	10.3

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	21.0
Single Family Housing	—	—	—	—	—	—	2.33
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	23.3
Daily, Winter (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	21.0
Single Family Housing	—	—	—	—	—	—	2.33
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	23.3
Annual	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	3.47
Single Family Housing	—	—	—	—	—	—	0.39
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3.86

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	16.8
Single Family Housing	—	—	—	—	—	—	2.00
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	18.8
Daily, Winter (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	16.8
Single Family Housing	—	—	—	—	—	—	2.00
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	18.8
Annual	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	2.79
Single Family Housing	—	—	—	—	—	—	0.33
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3.12

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—

Condo/Townhouse	—	—	—	—	—	—	0.51
Single Family Housing	—	—	—	—	—	—	0.06
Total	—	—	—	—	—	—	0.57
Daily, Winter (Max)	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	0.51
Single Family Housing	—	—	—	—	—	—	0.06
Total	—	—	—	—	—	—	0.57
Annual	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	0.09
Single Family Housing	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	0.09

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2023	3/23/2023	6.00	20.0	—
Site Preparation	Site Preparation	3/24/2023	3/31/2023	6.00	7.00	—
Grading	Grading	4/1/2023	4/17/2023	6.00	14.0	—
Building Construction	Building Construction	4/18/2023	12/29/2023	6.00	220	—
Paving	Paving	1/1/2024	1/11/2024	6.00	10.0	—
Architectural Coating	Architectural Coating	1/12/2024	1/23/2024	6.00	10.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	25.9	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	149	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	27.4	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	4.28	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—

Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	5.47	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	161,561	53,854	159	52.9	212

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	44,948	—
Site Preparation	—	—	10.5	0.00	—
Grading	—	16,706	14.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.13

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Single Family Housing	0.04	0%
Parking Lot	0.08	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	349	0.03	< 0.005
2024	0.00	349	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	259	315	258	97,480	2,605	3,170	2,595	979,869
Single Family Housing	37.7	37.9	33.9	13,580	379	381	341	136,507
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	36
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	4
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
161560.57499999998	53,854	159	52.9	212

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	165,318	349	0.0330	0.0040	865,093
Single Family Housing	27,581	349	0.0330	0.0040	153,341
Parking Lot	3,091	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	1,350,923	201,184
Single Family Housing	150,103	22,347
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	8.93	0.00
Single Family Housing	1.06	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Used lot acreage and building square footage from project architectural plans
Construction: Construction Phases	Based on applicant provided information
Construction: Off-Road Equipment	Assumed 8hr workday for all equipment.
Operations: Vehicle Data	Used trip rates from project trip generation (EPD Solutions 2022)
Operations: Hearths	SCAQMD Rule 445: No Wood Stoves allowed, assumed all homes would have gas fireplace

17802 Existing Site Custom Report

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5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	17802 Existing Site
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	18.6
Location	33.74798047516835, -117.82097944241232
County	Orange
City	Tustin
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5963
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	44.9	1000sqft	1.03	44,948	0.00	—	—	—
Parking Lot	151	Space	1.04	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	3.31	1.74	17.9	0.04	1.39	0.29	5,283
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	2.97	1.84	14.8	0.04	1.38	0.28	5,114
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	2.70	1.47	12.7	0.03	1.03	0.22	4,187
Annual (Max)	—	—	—	—	—	—	—
Unmit.	0.49	0.27	2.31	0.01	0.19	0.04	693

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	1.89	1.41	15.6	0.04	1.36	0.26	3,905
Area	1.41	0.02	1.95	< 0.005	< 0.005	< 0.005	8.07
Energy	0.02	0.31	0.26	< 0.005	0.02	0.02	1,174
Water	—	—	—	—	—	—	118
Waste	—	—	—	—	—	—	78.8
Refrig.	—	—	—	—	—	—	0.11

Total	3.31	1.74	17.9	0.04	1.39	0.29	5,283
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	1.87	1.54	14.6	0.04	1.36	0.26	3,743
Area	1.09	—	—	—	—	—	—
Energy	0.02	0.31	0.26	< 0.005	0.02	0.02	1,174
Water	—	—	—	—	—	—	118
Waste	—	—	—	—	—	—	78.8
Refrig.	—	—	—	—	—	—	0.11
Total	2.97	1.84	14.8	0.04	1.38	0.28	5,114
Average Daily	—	—	—	—	—	—	—
Mobile	1.38	1.15	11.1	0.03	1.01	0.19	2,811
Area	1.31	0.01	1.34	< 0.005	< 0.005	< 0.005	5.53
Energy	0.02	0.31	0.26	< 0.005	0.02	0.02	1,174
Water	—	—	—	—	—	—	118
Waste	—	—	—	—	—	—	78.8
Refrig.	—	—	—	—	—	—	0.11
Total	2.70	1.47	12.7	0.03	1.03	0.22	4,187
Annual	—	—	—	—	—	—	—
Mobile	0.25	0.21	2.02	< 0.005	0.18	0.04	465
Area	0.24	< 0.005	0.24	< 0.005	< 0.005	< 0.005	0.91
Energy	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	194
Water	—	—	—	—	—	—	19.5
Waste	—	—	—	—	—	—	13.0
Refrig.	—	—	—	—	—	—	0.02
Total	0.49	0.27	2.31	0.01	0.19	0.04	693

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Office Park	1.89	1.41	15.6	0.04	0.24	0.09	3,905
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.89	1.41	15.6	0.04	0.24	0.09	3,905
Daily, Winter (Max)	—	—	—	—	—	—	—
Office Park	1.87	1.54	14.6	0.04	0.24	0.09	3,743
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.87	1.54	14.6	0.04	0.24	0.09	3,743
Annual	—	—	—	—	—	—	—
Office Park	0.25	0.21	2.02	< 0.005	0.03	0.01	465
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	0.21	2.02	< 0.005	0.03	0.01	465

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	770
Parking Lot	—	—	—	—	—	—	38.1
Total	—	—	—	—	—	—	808

Daily, Winter (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	770
Parking Lot	—	—	—	—	—	—	38.1
Total	—	—	—	—	—	—	808
Annual	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	127
Parking Lot	—	—	—	—	—	—	6.31
Total	—	—	—	—	—	—	134

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Office Park	0.02	0.31	0.26	< 0.005	0.02	0.02	366
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.31	0.26	< 0.005	0.02	0.02	366
Daily, Winter (Max)	—	—	—	—	—	—	—
Office Park	0.02	0.31	0.26	< 0.005	0.02	0.02	366
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.31	0.26	< 0.005	0.02	0.02	366
Annual	—	—	—	—	—	—	—
Office Park	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	60.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	60.6

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	0.97	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—
Landscape Equipment	0.32	0.02	1.95	< 0.005	< 0.005	< 0.005	8.07
Total	1.41	0.02	1.95	< 0.005	< 0.005	< 0.005	8.07
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	0.97	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—
Total	1.09	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	0.18	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—
Landscape Equipment	0.04	< 0.005	0.24	< 0.005	< 0.005	< 0.005	0.91
Total	0.24	< 0.005	0.24	< 0.005	< 0.005	< 0.005	0.91

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	118
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	118

Daily, Winter (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	118
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	118
Annual	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	19.5
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	19.5

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	78.8
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	78.8
Daily, Winter (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	78.8
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	78.8
Annual	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	13.0
Parking Lot	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	13.0

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	0.11
Total	—	—	—	—	—	—	0.11
Daily, Winter (Max)	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	0.11
Total	—	—	—	—	—	—	0.11
Annual	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	0.02

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Office Park	559	73.7	34.2	151,404	4,827	636	295	1,306,920

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	69,459	23,153	2,716

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	800,986	349	0.0330	0.0040	1,139,273
Parking Lot	39,647	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	7,988,777	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	41.8	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Used Lot Acreage from project site plan.
Operations: Vehicle Data	Used trip rate from ITE 11th Ed (Land Use Code 750: Office Park)

Fuel Calculations

Model Output: OFFROAD2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	VehClass	MdlYr	HP_Bin	Fuel	Fuel Consumption	Horsepower Hours	Fuel Rate
Orange (SC)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	4650.1	111175.35	0.041827
Orange (SC)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	Aggregate	Diesel	206038.0503	9994494.346	0.020615
Orange (SC)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	2585099.389	134950222.2	0.019156
Orange (SC)	2023	Construction and Mining - Graders	Aggregate	Aggregate	Diesel	697357.6058	32944165.08	0.021168
Orange (SC)	2023	Construction and Mining - Scrapers	Aggregate	Aggregate	Diesel	1846404.264	73833782.51	0.025008
Orange (SC)	2023	Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	417614.5149	28033611.55	0.014897
Orange (SC)	2023	Industrial - Forklifts	Aggregate	Aggregate	Diesel	1429684.865	136890043.2	0.010444
Orange (SC)	2023	Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Diesel	250955.75	5927344.5	0.042339
Orange (SC)	2023	Light Commercial - Misc - Welders	Aggregate	Aggregate	Diesel	418133.05	16184888.4	0.025835
Orange (SC)	2023	Construction and Mining - Pavers	Aggregate	Aggregate	Diesel	123844.7199	5750350.166	0.021537
Orange (SC)	2023	Construction and Mining - Paving Equipment	Aggregate	Aggregate	Diesel	72056.38572	3902235.876	0.018465
Orange (SC)	2023	Construction and Mining - Rollers	Aggregate	Aggregate	Diesel	321207.3088	16191963.17	0.019837
Orange (SC)	2023	Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Diesel	91104	3301702.4	0.027593
Orange (SC)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	Aggregate	Diesel	2360134.893	119394273.5	0.019768

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	Fuel Consumption	Fuel Rate
Orange (SC)	2023	MHDT	Aggregate	Aggregate	Diesel	358036107.6	40084.9234	8.93
Orange (SC)	2023	HHDT	Aggregate	Aggregate	Diesel	389308930.2	65686.82757	5.93

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	Fuel Consumption	
Orange (SC)	2023	LDA	Aggregate	Aggregate	Gasoline	14757291191	501679.2491	29.42
Orange (SC)	2023	LDT1	Aggregate	Aggregate	Gasoline	1226048508	49604.24817	24.72
Orange (SC)	2023	LDT2	Aggregate	Aggregate	Gasoline	7276194451	305265.2307	23.84
							50/25/25 Split	26.85

Appendix B: Cultural Resources Study

CULTURAL RESOURCES STUDY FOR THE 17802 IRVINE BOULEVARD PROJECT

CITY OF TUSTIN, ORANGE COUNTY, CALIFORNIA

APNs 401-141-13 and -57

Lead Agency:

City of Tustin
300 Centennial Way
Tustin, California 92780

Preparer:

Brian F. Smith and Associates, Inc.
14010 Poway Road, Suite A
Poway, California 92064



Signature

Project Proponent:

EPD Solutions
2355 Main Street, Suite 100
Irvine, California 92614

August 1, 2022

Archaeological Database Information

Authors:	Jillian L.H. Conroy, B.A. and Brian F. Smith, M.A., RPA
Consulting Firm:	Brian F. Smith and Associates, Inc. 14010 Poway Road, Suite A Poway, California 92064 (858) 679-8218
Client/Project Proponent:	EPD Solutions 2355 Main Street, Suite 100 Irvine, California 92614
Report Date:	August 1, 2022
Report Title:	Cultural Resources Study for the 17802 Irvine Boulevard Project, City of Tustin, Orange County, California (APNs 401-141-13 and -57)
Type of Study:	Phase I Cultural Resources Survey
USGS Quadrangle:	*Tustin, California* (7.5 minute)
Acreage:	Approximately two acres
Key Words:	Survey; office buildings at 17802 and 17842 Irvine Boulevard over 50 years old; evaluation for eligibility for inclusion in the CRHR recommended; notification of a qualified archaeologist in the event of a discovery recommended.

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MANAGEMENT SUMMARY/ABSTRACT

In response to a request from EPD Solutions, Brian F. Smith and Associates, Inc. (BFSA) conducted a cultural resources study for the proposed 17802 Irvine Boulevard Project (Assessor's Parcel Numbers [APNs] 401-141-13, and -57). The approximately two acre project is located at 17802 Irvine Boulevard, southeast of the intersection of Irvine Boulevard and Prospect Avenue in the city of Tustin, Orange County, California. The project is situated within the unsectioned Santiago de Santa Ana Land Grant (Township 5 South, Range 9 West [projected]), as shown on the USGS *Tustin, California* Quadrangle. The project consists of a proposal to demolish existing structures and construct a residential development.

The purpose of this investigation was to locate and record any cultural resources present within the project and subsequently evaluate any resources as part of the City of Tustin's environmental review process conducted in compliance with the California Environmental Quality Act (CEQA). The archaeological investigation of the project also included a review of an archaeological records search performed at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton (CSU Fullerton) in order to assess previous archaeological studies and identify any previously recorded archaeological sites within the project or in the immediate vicinity. A Sacred Lands File (SLF) search was also requested from the Native American Heritage Commission (NAHC).

Survey conditions were generally good; however, the ground surface was not visible throughout the survey area due to buildings and hardscape, which comprise the entirety of the property. Due to the built environment, no exposed soil or undisturbed areas are present on the property. Aerial photographs and USGS topographic maps indicate that the property was used as an orchard as early as 1931 and that the surrounding area was developed with residences as early as 1896. In 1971, the 17802 and 17842 Irvine Boulevard structures were constructed on the property with their current hardscape and landscaping. As a result, the Phase I survey of the project identified two buildings (17802 and 17842 Irvine Boulevard) that meet the minimum age threshold to be considered historic under CEQA (50 years). The records search review also indicated that while the subject property does not contain any previously recorded cultural resources, it is located within one mile of a recorded historic district.

As a consequence of the field study and archival records review, the planned development of the property will impact two historic-age structures. In order to determine if the development will represent a source of adverse impacts to cultural resources, a formal historic structure review for the historic-age structures is recommended. The results of this review will determine if site-specific mitigation measures will be recommended. However, because the property has been in use since the 1930s, the surrounding area has been developed since at least the 1890s, and the project is located within one-mile of a historic district, it is recommended that a condition be included in the development permit that requires the applicant to contact a qualified archaeologist in the event that any historic or prehistoric artifacts or features are encountered during grading.

1.0 INTRODUCTION

1.1 Project Description

The archaeological survey program for the 17802 Irvine Boulevard Project was conducted in order to comply with CEQA and City of Tustin environmental guidelines. The approximately two-acre project (APNs 401-141-13 and -57) is located at 17802 and 17842 Irvine Boulevard, southeast of the intersection of Irvine Boulevard and Prospect Avenue in the city of Tustin, Orange County, California (Figure 1.1–1). The project is situated within the unsectioned Santiago de Santa Ana Land Grant (Township 5 South, Range 9 West [projected]), as shown on the USGS (7.5 minute) *Tustin, California* Quadrangle (Figure 1.1–2). The project proposes the demolition of the existing structures on the property and their replacement with market-rate and affordable three-story homes (both detached and paired) with associated community gathering and BBQ areas, parking, landscaping, and infrastructure (Figure 1.1–3). The decision to request this investigation was based upon cultural resource sensitivity of the locality as suggested by known site density and predictive modeling. Sensitivity for cultural resources in a given area is usually indicated by known settlement patterns, which in Orange County were focused around freshwater resources and a food supply.

1.2 Environmental Setting

The 17802 Irvine Boulevard Project is generally situated in the Peninsular Ranges Geologic Province of southern California. The range, which lies in a northwest to southeast trend through the county, extends some 1,000 miles from the Raymond-Malibu Fault Zone in western Los Angeles County to the southern tip of Baja California. The project is situated approximately four miles east of the Santa Ana River, two miles south of Santiago Creek, and four miles west of the Santa Ana Mountains.

Geologically, the surficial sediments across the project are mapped as Holocene and late Pleistocene young alluvial fan deposits that mostly consist of unconsolidated, alluvial silty sands (Morton and Miller 2006). Holocene deposits are estimated to be approximately 10 feet thick in the area of the project (Sprotte et al. 1980). During the Holocene, activity of the Santa Ana River points to widespread sheet flooding and wandering, as indicated by extensive and continuous "younger" sand and silt deposits (Greenwood and Pridmore 1997). Elevations within the project range from approximately 137 to 139 feet above mean sea levels. Soils within the property consist of Mocho loam, zero to two percent slope, which can be described as well-drained alluvium that form on alluvial fans (NRCS 2019).

The vegetation during prehistoric times most likely consisted of a river valley riparian environment within the Santa Ana River watershed with native oak trees, and coastal/inland sage/scrub and chaparral in the nearby foothills.

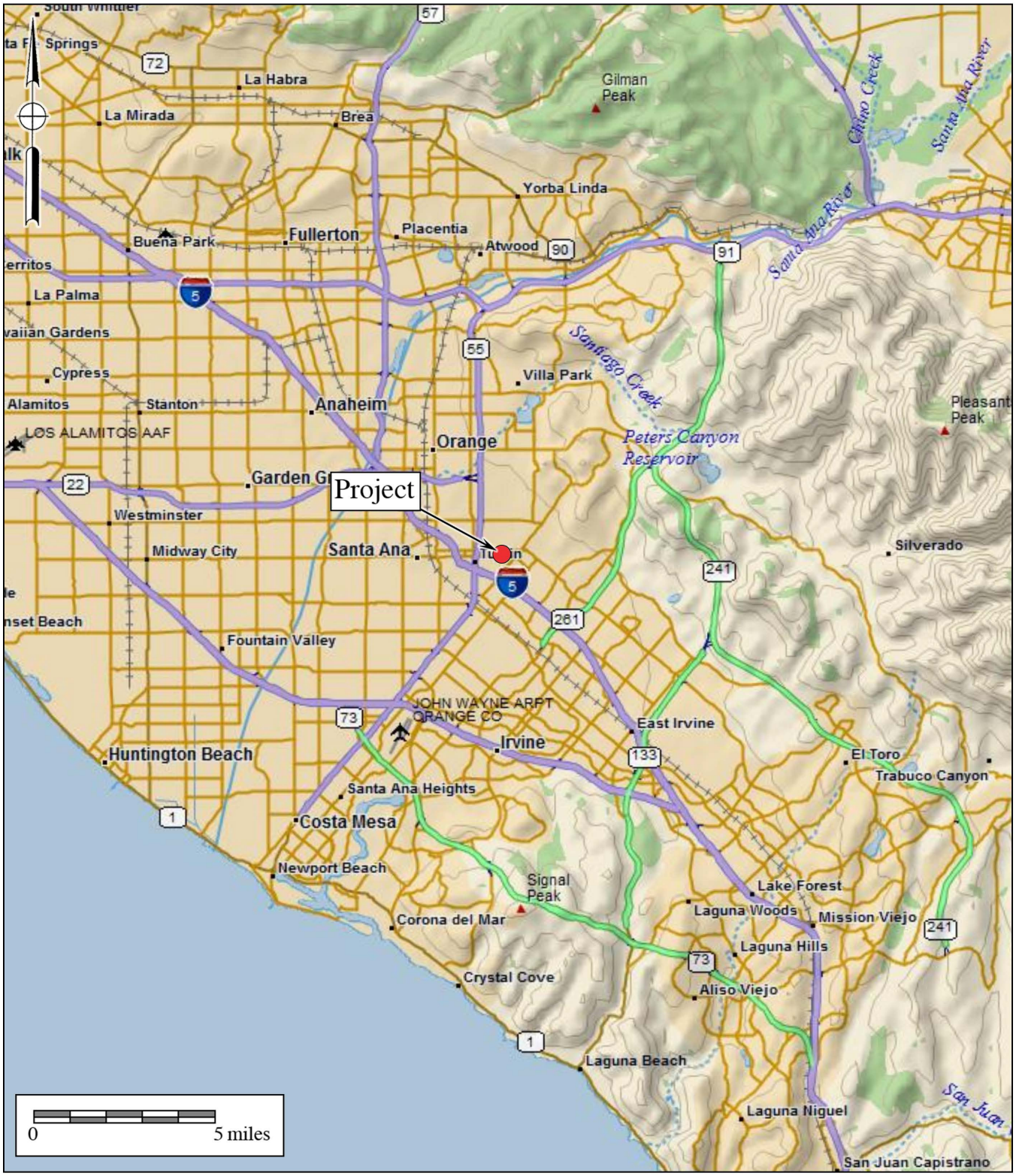

Figure 1.1–1

General Location Map

The 17802 Irvine Boulevard Project

DeLorme (1:250,000)

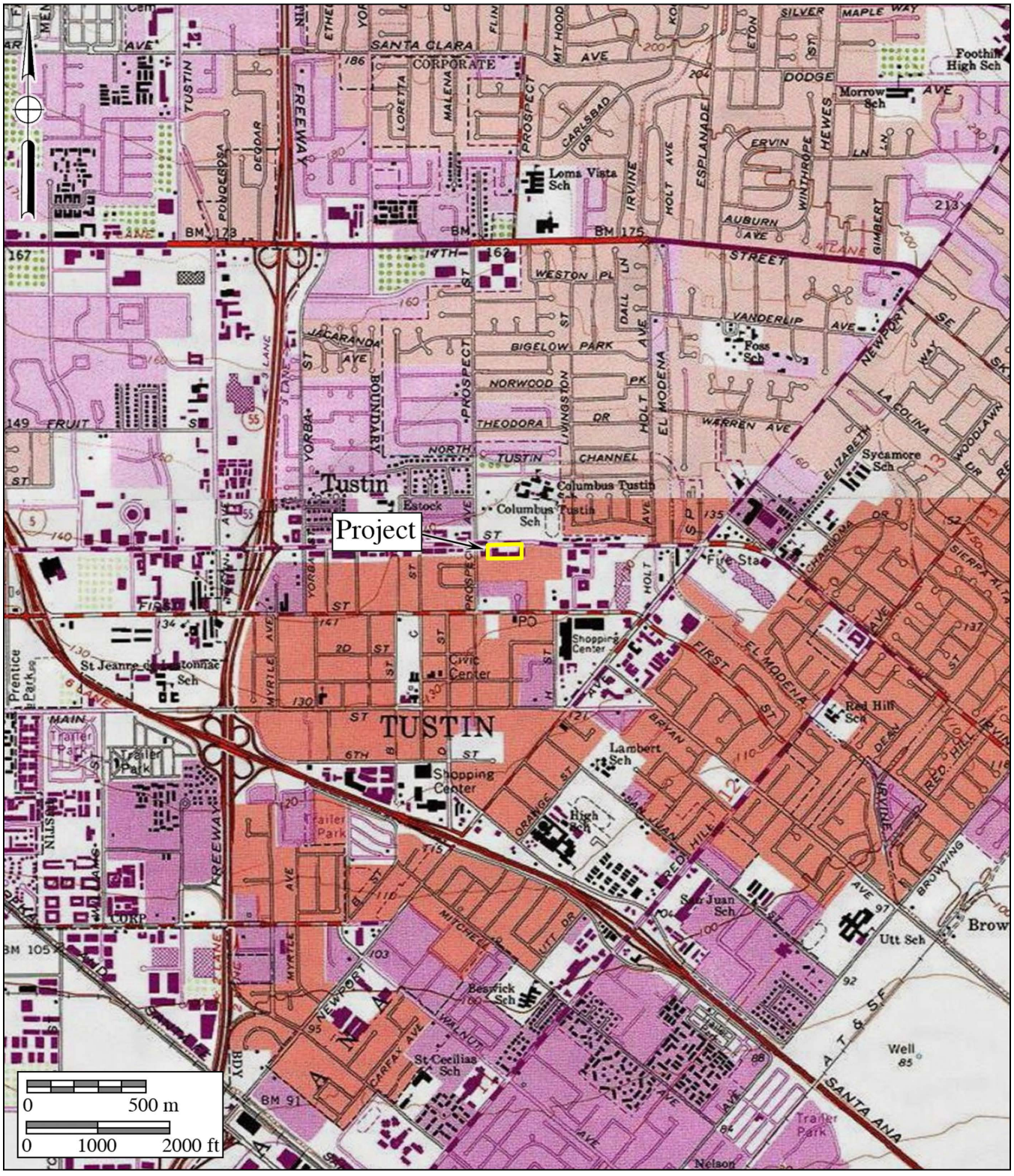

Figure 1.1–2

Project Location Map

The 17802 Irvine Boulevard Project

USGS *Tustin* and *Orange* Quadrangles (7.5-minute series)

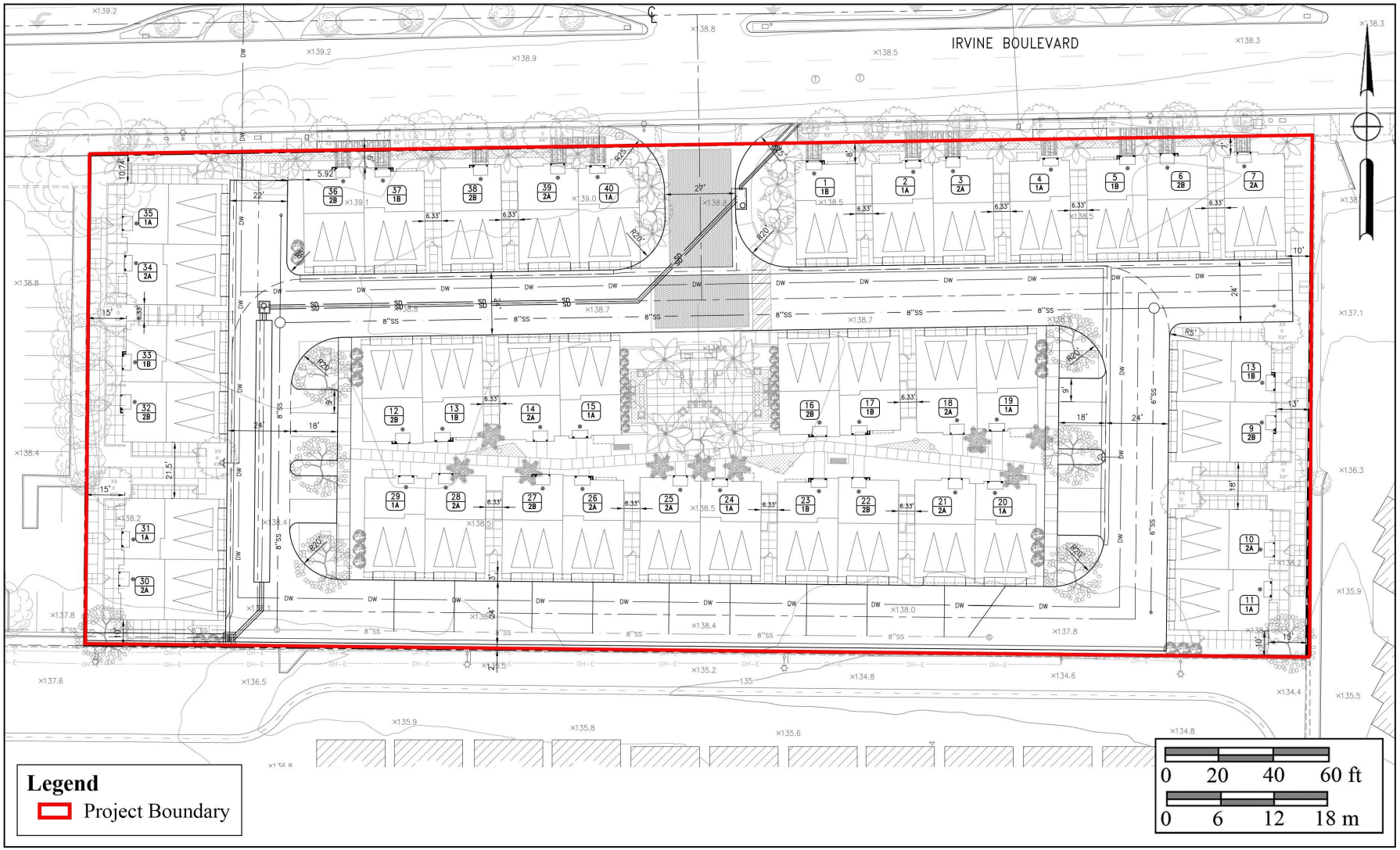

Figure 1.1–3

Site Plan

The 17802 Irvine Boulevard Project

1.3 Cultural Setting

1.3.1 Prehistoric Period

Archaeological investigations in southern California have documented a diverse and rich record of human occupation spanning the past 10,000 years. In northern San Diego, Orange, and Riverside counties, most researchers organize prehistory into the Paleo Indian, Archaic, and Late Prehistoric Periods and history into the Mission, Rancho, and American Settlement periods. The San Dieguito Complex, Milling Stone Horizon, La Jolla Complex, Pauma Complex, and San Luis Rey Complex are the archaeological manifestations that have been used to describe the Archaic and Late Prehistoric periods in the region.

Paleo Indian Period (Late Pleistocene: 11,500 to circa 9,000 YBP)

The San Dieguito Complex/Paleo Indian Period is associated with the terminus of the late Pleistocene (11,500 to 9,000 years before the present [YBP]). The term "San Dieguito Complex" is a cultural distinction used to describe a group of people that occupied sites in the region between 11,500 and 7,000 YBP. Initially believed to have been big game hunters, the San Dieguito are better typified as wide-ranging hunter/gatherers. The earliest evidence of San Dieguito Complex sites is known from San Diego County, the Colorado Desert, and further north along the California coast. These people abandoned the drying inland lakes of the present California desert and arrived in San Diego County circa 9,000 YBP, as documented at the Harris (SDI-149; Warren 1966), Rancho Park North (SDI-4392; Kaldenberg 1982), and Agua Hedionda (SDI-210/UCLJ-M-15 and SDI-10,965/SDM-W-131 [Moriarty 1967; Gallegos and Carrico 1984; Gallegos 1991]) sites.

A San Dieguito component appears to have been present in the lower strata, "Malaga Cove I," at the Malaga Cove Site (LAN-138) in the city of Palos Verdes Estates in Los Angeles County (Walker 1951). Other Paleo Indian Period sites containing San Dieguito components in the coastal region of southern California have been identified at the Irvine (ORA-64 [Drover et al. 1983; Macko 1998]), Ballona Creek, Angeles Mesa, and Rancho La Brea (Wallace 1955: 215–218) sites.

Diagnostic San Dieguito artifacts include finely crafted scraper planes, choppers, scrapers, crescentics, elongated bifacial knives, and intricate leaf-shaped points (Rogers 1939; Warren 1967). This tool assemblage resembles those of the Western Lithic Co-Tradition (Davis et al. 1969) and the Western Pluvial Lakes Tradition (Bedwell 1970; Moratto 1984). Typical San Dieguito sites lack ground stone tools. The San Dieguito Complex is the least understood of the cultures that occupied the southern California region and debate continues as to whether the San Dieguito sites are actually different activity areas of the early Encinitas Tradition peoples (Bull 1987; Gallegos 1987), or whether the San Dieguito Complex peoples had a separate origin and culture from the Encinitas Tradition (Hayden 1987; Moriarty 1987; Smith 1987). According to this second scenario, the San Dieguito Complex peoples may have been assimilated into the dominant Encinitas Tradition culture (Kaldenberg 1982; Moriarty 1967). A third possibility is that the San Dieguito Complex gave rise to the Encinitas Tradition (Koerper et al. 1991).

Archaic Period (Early and Middle Holocene: circa 9,000 to 1,300 YBP)

The Archaic Period begins with the onset of the Holocene around 9,000 YBP. The transition from the Pleistocene to the Holocene was a period of major environmental change throughout North America (Antevs 1953; Van Devender and Spaulding 1979). In southern California, the general climate at the beginning of the early Holocene was marked by cool/moist periods and an increase in warm/dry periods and rising sea levels. The warming trend and rising sea levels generally continued until the late Holocene. Archaeological research indicates that southern California was occupied between 9,000 and 1,300 YBP by a population(s) that utilized a wide range of both marine and terrestrial resources. A number of different archaeological manifestations based upon geographical setting, tool kit, and/or chronology are recognized during the Archaic Period, including the Milling Stone Horizon and San Dieguito, La Jolla, Encinitas, and Pauma complexes. Archaic sites generally contain milling tools, especially manos and metates, cobble and flake tools, dart projectile points and the concomitant use of the atlatl, crescents, shell, fish bone, and animal bone representing large and small game. Additionally, Archaic groups buried their dead as flex inhumations, a religious and cultural practice that is distinct from the succeeding Late Prehistoric groups.

The La Jolla Complex is regionally associated with the Encinitas Tradition (Warren 1968) and shared cultural components with the widespread Milling Stone Horizon (Wallace 1955). The coastal expression of this complex, which focused upon coastal resources and development of deeply stratified shell middens located primarily around bays and lagoons, appeared in the southern California coastal areas. Some of the older sites associated with this expression are located at Topanga Canyon, Newport Bay, Agua Hedionda Lagoon, and some of the Channel Islands. Radiocarbon dates from sites attributed to this complex span a period of more than 7,000 years in this region, beginning more than 9,000 YBP.

The Encinitas Tradition is best recognized for its pattern of large coastal sites characterized by shell middens, grinding tools closely associated with the marine resources of the area, cobble-based tools, and flexed human burials (Shumway et al. 1961; Smith and Moriarty 1985). While ground stone tools and scrapers are the most recognized tool types, coastal Encinitas Tradition sites also contain numerous utilized flakes, which may have been used to pry open shellfish. Artifact assemblages at coastal sites indicate a subsistence pattern focused upon shellfish collection and nearshore fishing, which suggests an incipient maritime adaptation with regional similarities to more northern sites of the same period (Koerper et al. 1986). Other artifacts associated with Encinitas Tradition sites include stone bowls, doughnut stones, discoidals, stone balls, and stone, bone, and shell beads.

By 5,000 YBP, an inland expression of the La Jolla Complex, which exhibits influences from the Campbell Tradition from the north, is evident in the archaeological record. These inland Milling Stone Horizon sites have been termed "Pauma Complex" (True 1958; Warren et al. 1961; Meighan 1954). By definition, Pauma Complex sites share a predominance of grinding implements (manos and metates), lack mollusk remains, have a greater tool variety (including

atlatl dart points, quarry-based tools, and crescentics), and seem to express a more sedentary lifestyle with a subsistence economy based upon the use of a broad variety of terrestrial resources. Although originally viewed as a separate culture from the coastal La Jolla Complex (True 1980), it appears that these inland sites may be part of a subsistence and settlement system utilized by the coastal peoples.

Late Prehistoric Period (Late Holocene: 1,300 YBP to 1790)

The Late Prehistoric Period, sometimes referred to as San Luis Rey I and II, began approximately 1,300 YBP. Cremation, ceramics, the bow and arrow, small triangular points, the use of Obsidian Butte obsidian, and the reliance upon the acorn as a main food staple are the defining characteristics of the Late Prehistoric Period (Chartkoff and Chartkoff 1984; Gallegos 2002; Moratto 1984). These characteristics are thought to represent the movement of Shoshonean-speaking groups into northern San Diego, Orange, Riverside, and Los Angeles counties. Economic systems diversified and intensified during this period with the continued elaboration of trade networks, cremation of the dead, the use of shell-bead currency, and the appearance of more labor-intensive, yet effective, milling technologies such as the bedrock mortar for use in acorn processing.

Protohistoric Period (Late Holocene: 1790 to Present)

This period begins with the Hispanic intrusion into southern California and the founding of the Mission San Juan Capistrano near what is currently the Lake Forest area in 1776. Ethnohistorical and ethnographic evidence indicates that three Shoshonean-speaking groups that occupied the southern and eastern portions of Orange County were the Luiseño, Gabrielino, and Acjachemen (Juaneño), each of which is culturally similar but that possess slight dialectic differences. Along the coast, the groups made use of the available marine resources by fishing and collecting mollusks for food. Seasonally available terrestrial resources, including acorns and game, were also sources of nourishment for these groups. The elaborate kinship and clan systems between these groups facilitated a wide-reaching trade network that included trade of Obsidian Butte obsidian, resources from the eastern deserts, and steatite from the Channel Islands. All three groups also shared a distinct world view that stemmed from use of the hallucinogen datura and an elaborate religion that included ritualized sand paintings of the sacred being Chingichngish (Bean and Shipek 1978; Kroeber 1976). Some notable differences, however, can be seen in the material culture between the three groups. For example, the Gabrielino used containers made from steatite, which is a soapstone material from the Santa Catalina Islands, instead of pottery, which was the preferred material for the Juaneño and the Luiseño (Kroeber 1976).

The Luiseño, Gabrielino, and Juaneño occupied sedentary villages most often located in sheltered areas in valley bottoms, along streams, or along coastal strands near mountain ranges. Villages were located near water sources to facilitate acorn leaching and in areas that offered thermal and defensive protection. Villages were composed of areas that were both publicly and

privately, or family, owned. Publicly owned areas included trails, temporary campsites, hunting areas, and quarry sites. Inland groups had fishing and gathering sites along the coast that were utilized, particularly from January to March, when inland food resources were scarce. During October and November, most of the village would relocate to mountain oak groves to harvest acorns. For the remainder of the year, most would remain at the village sites, where food resources were within a day's travel (Bean and Shipek 1978; Kroeber 1976).

The Aliso Creek watershed has been reported to be the ethnohistoric boundary between the Luiseño, Gabrielino, and Juaneño. The Gabrielino occupied territory northwest of Aliso Creek, the Juaneño occupied territory to the south, and the Luiseño occupied territory to the southeast and east. However, there is evidence indicating that the Juaneño territory actually extended farther north, possibly past the Santa Ana River into modern-day Huntington Beach (Boscana 1978 [1933]).

1.3.2 Historic Period

The historic period began on July 16, 1769, when the first Spanish exploring party commanded by Gaspar de Portolá (with Father Junípero Serra in charge of religious conversion of the native populations) arrived in San Diego to secure California for the Spanish (Palou 1926). The natural attraction of the harbor at San Diego and the establishment of a military presence in the area solidified the importance of San Diego to the Spanish colonization of the region and the growth of the civilian population. Missions were constructed from San Diego to as far north as San Francisco. The mission locations were based upon a number of important territorial, military, and religious considerations. Grants of land were made to those who applied, but many tracts reverted back to the government due to lack of use. As an extension of territorial control by the Spanish, each mission was placed so as to command as much territory and as large a population as possible.

Mission San Juan Capistrano, located near the present Lake Forest area, exerted much influence over the Acjachemen (Juaneño), who either adapted to mission life, rebelled and ran away, or died from European diseases. While primary access to California during the Spanish Period was by sea, the route of El Camino Real served as the land route for transportation, commercial, and military activities. This route was considered to be the most direct path between the missions (Rolle 1969). As increasing numbers of Spanish and Mexican people, and the later Americans during the Gold Rush, settled in the area, the Native populations diminished as they were displaced or decimated by disease (Carrico and Taylor 1983).

By 1821, Mexico had gained independence from Spain and the northern territories were subject to political repercussions. By 1834, all of the mission lands had been removed from the control of the Franciscan Order under the Acts of Secularization. Without proper maintenance, the missions quickly began to disintegrate, and after 1836, missionaries ceased to make regular visits inland to minister the needs of the native peoples (Engelhardt 1921). Large tracts of land continued to be granted to those who applied or had gained favor with the Mexican government.

Grants of land were also made to settle government debts.

The Rancho Period represents the time between 1821 and 1848. By 1821, Mexico had gained independence from Spain and the northern territories were subject to political repercussions. By 1834, all of the mission lands had been removed from the control of the Franciscan Order under the Acts of Secularization (Engelhardt 1921). Numerous Mexican land tracts, or rancheros, were established throughout coastal and interior California.

California was invaded by United States troops during the Mexican-American War of 1846 to 1848. The acquisition of strategic Pacific ports and California land was one of the principal objectives of the war (Price 1967). At the time, the inhabitants of California were practically defenseless, and they quickly surrendered to the United States Navy in July 1847 (Bancroft 1886).

In 1848, the Treaty of Guadalupe Hidalgo granted sovereignty over Alta California, New Mexico, and Arizona to the United States, which began the American Settlement Period. The new colonial order soon seized power in California with disastrous results for the native people (Castillo 1978). European control over Alta California had been concentrated along the coast, but with the great influx of American colonists seeking land and mineral resources, the inland became more populated and native populations were displaced from more of their lands. Conflicts between the Native Americans and the intruding white colonists led to the establishment of reservations for some villages by executive order.

The cattle ranchers of the "counties" of southern California prospered during the cattle boom of the early 1850s. Raising cattle soon declined, however, contributing to the expansion of agriculture. The completion of the transcontinental railroad in 1869 encouraged developers, land speculators, and colonists to invest and live in southern California. Orange County's economy changed from stock raising to farming, and growing grain or citrus crops replaced the raising of cattle in many of the county's inland valleys (Blick 1976; Elliott 1965).

General History of the Tustin Area

As part of a petition to the Spanish government in 1810, Jose Antonio Yorba and his cousin Juan Pablo Peralta were granted 78,941 acres of grazing land previously granted to Juan Pablo Grijalva, their uncle and father, respectively (Maniery et al. 2006). Their holdings, known as the Rancho Santiago de Santa Ana, were subdivided within the family throughout the next 50 years. In 1868, Petaluma carriage maker and property developer Columbus Tustin (Plate 1.3–1) purchased a portion of the Rancho and settled on the property: (City of Tustin 2018)

> Our old fellow citizen Columbus Tustin left Petaluma on Monday for his new possession, on the Santa Anna ranch, some forty miles below Los Angeles. Mr. Tustin informs us that he has secured some six-hundred and fifty-odd acres of land there, and has just shipped thither some 15,000 trees, consisting of apple, peach, pear, plum, nectarine, walnut, orange, etc. Being located on the main stage road from Los Angeles south, Mr. Tustin intends to survey off town on his ranch, and is

> sanguine that it will prove a success. (*Petaluma Weekly Argus* 1869)

In hopes to build a town, Tustin divided 100 of his acres into 300 square blocks and laid out streets. While Tustin ultimately gave plots of land away in order to aid in the development of his city, when Santa Ana was chosen as the terminus of the Southern Pacific Railroad growth within Tustin City waned. On July 23, 1883 Tustin died without realizing the dream of a successful city named for him. Following his death, however, the City of Tustin experienced an economic boom due to the establishment of a bank and large hotel by the Tustin Improvement Association. By 1888 the Southern Pacific Railroad had set up a station in Tustin, which ran two trains daily between Tustin and Los Angeles. This lead to the establishment of the Utt Juice Company and the San Joaquin Fruit Company in the city (City of Tustin 2018).



Plate 1.3–1: Columbus Tustin.
Photograph courtesy of the Tustin Area Museum.

Unfortunately, the early success of Tustin was brief:

> The successes of the 1880s were reversed by the Panic of 1893 which led to the demise of several businesses in town and closure of the bank (1902). With the new century came a gradual rebuilding of the economy and the successful additions of the First National Bank of Tustin (1911), the Tustin Lumber Company, Tustin Garage, Tustin Hardware, Piepers Feed Store, the Utt Juice Company, and three large citrus association packing houses. (City of Tustin 2018)

In 1927, Tustin was incorporated as a "small agricultural community of approximately 200 acres and 900 residents" (City of Tustin 2018). Growth within the community was slow through the 1930s and 1940s, due to the Great Depression and World War II:

> In 1942, the war brought a new kind of growth to Tustin when the U.S. Navy built its Lighter-Than-Air Base on nearby beanfields. By the 1960s, rising land values and falling grove production induced agricultural landowners to sell their land for urban development. As a result of new development and annexations, the City's population jumped from 2,000 in 1960 to 21,000 in 1970 and has continued to grow at a steady pace to reach a 2007 population of over 72,500. (City of Tustin 2018)

1.4 Results of the Archaeological Records Search

An archaeological records search for the project and the surrounding area within a one-mile radius was conducted by BFSA at the SCCIC at CSU Fullerton on June 17, 2022. The SCCIC records search results indicated that six resources are located within a one-mile radius of the project, but not within the subject property. These resources include one prehistoric metate, pestle, and shell site (ORA-301), one prehistoric stone bowl with two pestles site (ORA-352), the historic (circa 1925) Red Hill Water Company Pumping Plant (P-30-150051), the historic (circa 1887) Sherman Stevens House (P-30-160206), the historic (circa 1914) Artz Building (P-30162095), and the Tustin Old Town Historic Resources District (P-30-162471). The records search results also indicate that 21 cultural resource studies have been conducted within a one-mile radius of the project, none of which include any portion of the subject property. The complete records search results can be found in Appendix B.

BFSA also reviewed the following sources to help facilitate a better understanding of the historic use of the property:

- The National Register of Historic Places Index
- The Office of Historic Preservation Built Environment Resources Directory
- USGS Topographic Map Data (1896 through 2022)
- Aerial Photographs (1931 through 2022)

The topographic map data indicates that the area surrounding the subject property was developed with residences as early as 1896. The aerial photographs show that the subject property was developed with an agricultural grove by 1931, that an associated residence was located adjacent to the west boundary, and another residence was located adjacent to the southeast boundary. By 1960, the property to the north of the project was developed with the park that is presently located there. Between 1963 and 1966, the agricultural grove was removed from the property, but the residence located adjacent to the west boundary remained. A new structure was constructed within the east one fourth of the property during this time as well. In 1971 the west residence was removed, the new structure in the east of the property was removed, and the current commercial buildings were constructed with associated parking lots. No major changes are visible on the aerial photographs of USGS maps after 1971.

An SLF search from the NAHC was requested by the City of Tustin on April 4, 2022 which did not identify the presence of any sacred sites located within Township 5 South, Range 9 West of the *Tustin, California* Quadrangle. All correspondence is provided in Appendix C.

1.5 Applicable Regulations

Resource importance is assigned to districts, sites, buildings, structures, and objects that possess exceptional value or quality illustrating or interpreting the heritage of Orange County in history, architecture, archaeology, engineering, and culture. A number of criteria are used in

demonstrating resource importance. Specifically, the criteria outlined in CEQA and City of Tustin environmental guidelines provide the guidance for making such a determination. The following sections detail the criteria that a resource must meet in order to be determined important.

1.5.1 California Environmental Quality Act

According to CEQA (§15064.5a), the term "historical resource" includes the following:

1) A resource listed in or determined to be eligible by the State Historical Resources Commission for listing in the California Register of Historic Resources (CRHR) (Public Resources Code SS5024.1, Title 14 CCR. Section 4850 et seq.).
2) A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3) Any object, building, structure, site, area, place, record, or manuscript, which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the CRHR (Public Resources Code SS5024.1, Title 14, Section 4852) including the following:

    a) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
    b) Is associated with the lives of persons important in our past;
    c) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
    d) Has yielded, or may be likely to yield, information important in prehistory or history.

4) The fact that a resource is not listed in, or determined eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to Section 5020.1(k) of the Public Resources Code), or identified in an historical resources survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in

Public Resources Code Section 5020.1(j) or 5024.1.

According to CEQA (§15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change as:

1) Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.
2) The significance of an historical resource is materially impaired when a project:

    a) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in the CRHR; or
    b) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or,
    c) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

1. When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
2. If a lead agency determines that the archaeological site is an historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, Section 15126.4 of the guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
3. If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21803.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of Section

21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c-f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.

4. If an archaeological resource is neither a unique archaeological nor historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report, if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5 (d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

(d) When an initial study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the NAHC as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the NAHC. Action implementing such an agreement is exempt from:

1) The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5).
2) The requirements of CEQA and the Coastal Act.

1.5.2 City of Tustin General Plan

The City's General Plan (2018) indicates that Tustin "possesses important natural resources and features that warrant protection, preservation, and management as the community grows." The Conservation, Open Space, and Recreation Element Implementation Program within the General Plan (2018) provides a guideline for the preservation of archaeological and paleontological (Section 30) and historic (Section 33) resources identified within a project within the City. Section 30 applies to the preservation of archaeological and cultural resources within the City by:

a) requiring developers to perform archaeological and paleontological surveys prior to grading in areas known or suspected to contain such resources; and

b) enforcing provisions of the California Environmental Quality Act regarding preservation or salvage of significant historic, archaeological and paleontological sites discovered during construction activities.

Section 33 seeks to preserve historic resources wherever feasible by:

a) continuing programs to ensure the City's status as a Certified Local Government;
b) utilizing the guidelines established by the National Register, Office of Historic Preservation and the Tustin City Code where historic designation opportunities are desired for new or existing historic and cultural resources; and
c) continuing to enforce zoning ordinance provisions for the Cultural Resources District and ensuring that design and development standards are enforced.

Further, in order to protect paleontological and archaeological resources from future development, the City requires the following:

1. a records search be completed prior to the initiation of grading; and
2. a field survey should no previously recorded resources exist within the subject property.

Any proposed project that is located within a sensitive area as defined by the City, or is identified through the records search and/or field survey, will require a licensed paleontologist or archaeologist to be present on the site to observe grading or other earthwork.

2.0 RESEARCH DESIGN

The primary goal of the research design is to attempt to understand the way in which humans have used the land and resources within the project area through time, as well as to aid in the determination of resource significance. For the current project, the study area under investigation is west-central Orange County. The scope of work for the cultural resources study conducted for the 17802 Irvine Boulevard Project included the survey of an approximately two-acre area. Given the area involved, the research design for this project was focused upon realistic study options. Since the main objective of the investigation was to identify the presence of and potential impacts on cultural resources, the goal is not necessarily to answer wide-reaching theories regarding the development of early southern California but to investigate the role and importance of identified resources. Nevertheless, the assessment of the significance of a resource must take into consideration a variety of characteristics, as well as the ability of a resource to address regional research topics and issues.

Although elementary resource evaluation programs are limited in terms of the amount of information available, several specific research questions were developed that could be used to guide the initial investigations of any observed cultural resources. The following research questions take into account the size and location of the project discussed above.

Research Questions:

- Can located cultural resources be associated with a specific time period, population, or individual?
- Do the types of any located cultural resources allow a site activity/function to be determined from a preliminary investigation? What are the site activities? What is the site function? What resources were exploited?
- How do located sites compare to others reported from different surveys conducted in the area?
- How do located sites fit existing models of settlement and subsistence for valley environments of the region?

Data Needs

At the survey level, the principal research objective is a generalized investigation of changing settlement patterns in both the prehistoric and historic periods within the study area. The overall goal is to understand settlement and resource procurement patterns of the project area occupants. Therefore, adequate information on site function, context, and chronology from an archaeological perspective is essential for the investigation. The fieldwork and archival research were undertaken with the following primary research goals in mind:

1) To identify cultural resources occurring within the project;
2) To determine, if possible, site type and function, context of the resource(s), and chronological placement of each cultural resource identified;
3) To place each cultural resource identified within a regional perspective; and
4) To provide recommendations for the treatment of each cultural resources identified.

3.0 ANALYSIS OF PROJECT EFFECTS

The cultural resources study of the project consisted of an institutional records search, an intensive cultural resource survey of the entire approximately two-acre project, and the preparation of this technical report. This study was conducted in conformance with City of Tustin environmental guidelines, Section 21083.2 of the California Public Resources Code, and CEQA. Statutory requirements of CEQA (Section 15064.5) were followed for the identification and evaluation of resources. Specific definitions for archaeological resource type(s) used in this report are those established by the State Historic Preservation Office (SHPO 1995).

3.1 Survey Methods

The survey methodology employed during the current investigation followed standard archaeological field procedures and was sufficient to accomplish a thorough assessment of the project. The field methodology employed for the project included walking evenly spaced survey transects, where possible, while visually inspecting the ground surface. All potentially sensitive areas where cultural resources might be located were closely inspected. Photographs documenting survey areas and overall survey conditions were taken frequently.

3.2 Results of the Field Survey

BFSA archaeologist Mary Chitjan conducted the intensive pedestrian survey on May 25, 2022, under the direction of Principal Investigator Brian F. Smith. Visibility of the natural ground was completely obscured by development consisting of the two office buildings, hardscape, and commercial landscaping (Plates 3.2–1 and 3.2–2). As stated previously, the entire property was developed with an agricultural grove by 1931, and the surrounding area was developed with residences as early as 1896. Between 1963 and 1966, the subject property was graded, removing the agricultural grove, and in 1971 the current development was constructed.

As a result of the records search review and field survey, the current development consisting of two 1971 office buildings, hardscape, and commercial landscaping was identified. These buildings are over 50 years old and therefore meet the minimum age threshold to require an assessment of potential eligibility to the CRHR. The locations of the buildings are provided on Figure 3.2–1. No other cultural resources were identified within the property; however, the coverage of structures and hardscape prevented a review of the actual ground within the project.



Plate 3.2–1: Overview of the project from the southeast corner, facing west.



Plate 3.2–2: Overview of the project from the east boundary, facing west.

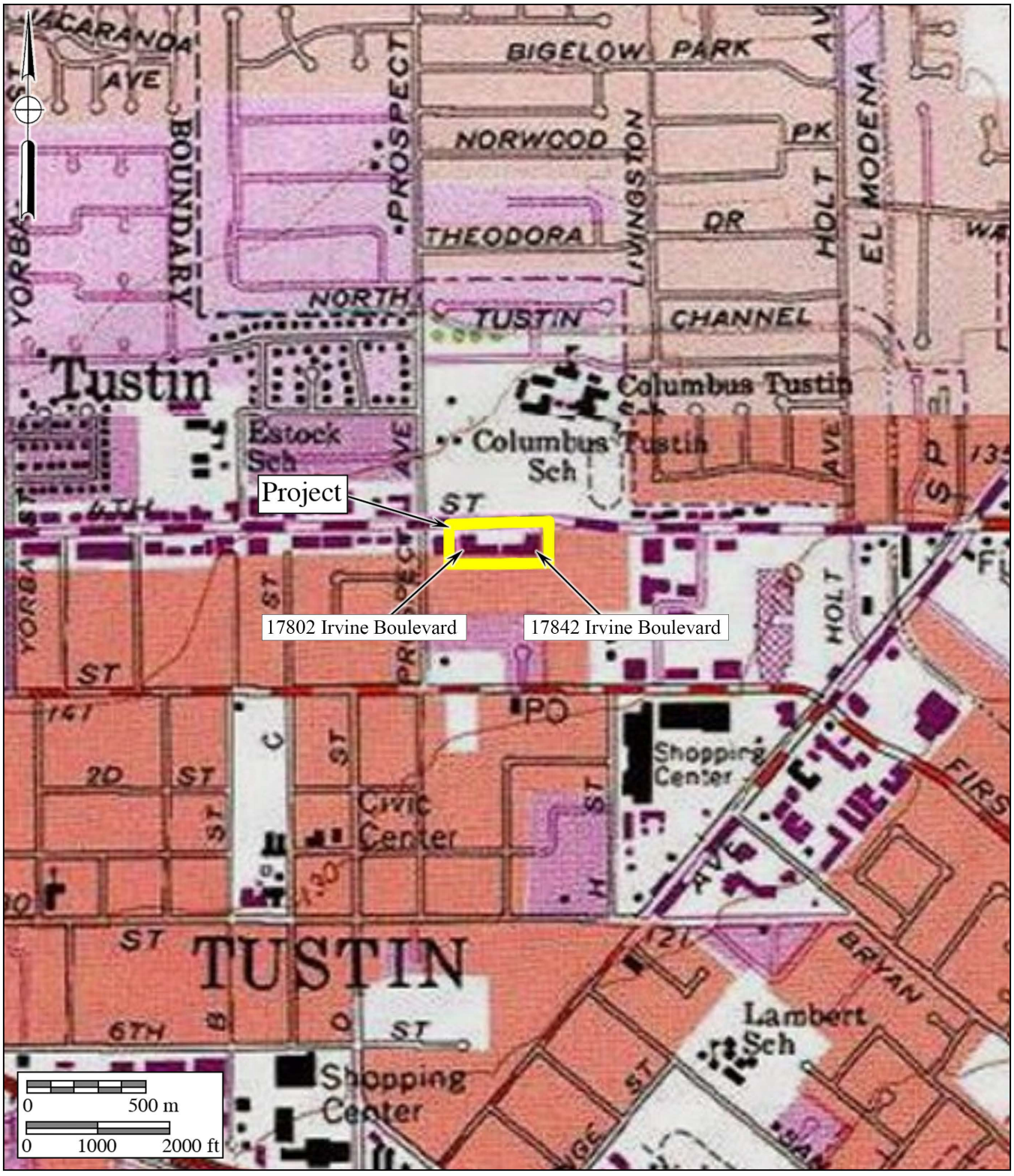

Figure 3.2–1

Historic Structure Location Map

The 17802 Irvine Boulevard Project

USGS *Tustin* and *Orange* Quadrangles (7.5-minute series)

4.0 RECOMMENDATIONS

The cultural resources survey of the project identified two commercial office buildings over 50 years old: 17802 Irvine Boulevard located within APN 401-141-13 and 17842 Irvine Boulevard located within APN 401-141-57. No other cultural resources were identified as a consequence of the records research or field surveys. In order to determine if the proposed development will represent a source of significant adverse impacts to the cultural resources, the commercial office buildings will need to be recorded on appropriate Department of Parks and Recreation (DPR) forms and evaluated for significance according to CEQA and City of Tustin criteria. As such, it is recommended that the structures be evaluated prior to the development of the property in order to determine if mitigation measures will be required as a condition of approval for the project. Further, because the cultural resources survey encountered a property that was covered by structures and hardscape, the review of the ground surface was restricted.

Therefore, regardless of the future significance evaluation of the historic structures, it is recommended that the grading permit contain a condition that requires the applicant to contact a qualified archaeologist should any archaeological features or deposits be encountered during grading when the archaeologist is not present. The archaeologist would be provided the opportunity to record and evaluate the discovery. The discovery would also be reported to the City and the SCCIC.

5.0 LIST OF PREPARERS AND ORGANIZATIONS CONTACTED

The archaeological survey program for the 17802 Irvine Boulevard Project was directed by Principal Investigator Brian F. Smith. The archaeological fieldwork was conducted by staff archaeologist Mary Chitjian. The report text was prepared by Jillian Conroy and Brian Smith. Report graphics were provided by Jillian Conroy. Technical editing and report production were conducted by Jacob Tidwell. The archaeological records search was provided by the SCCIC at CSU Fullerton.

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APPENDIX A

Resumes of Key Personnel

Brian F. Smith, MA

Owner, Principal Investigator

Brian F. Smith and Associates, Inc.
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: bsmith@bfsa-ca.com

Education

Master of Arts, History, University of San Diego, California **1982**

Bachelor of Arts, History, and Anthropology, University of San Diego, California **1975**

Professional Memberships

Society for California Archaeology

Experience

Principal Investigator **1977–Present**
Brian F. Smith and Associates, Inc. **Poway, California**

Brian F. Smith is the owner and principal historical and archaeological consultant for Brian F. Smith and Associates. Over the past 32 years, he has conducted over 2,500 cultural resource studies in California, Arizona, Nevada, Montana, and Texas. These studies include every possible aspect of archaeology from literature searches and large-scale surveys to intensive data recovery excavations. Reports prepared by Mr. Smith have been submitted to all facets of local, state, and federal review agencies, including the US Army Corps of Engineers, the Bureau of Land Management, the Bureau of Reclamation, the Department of Defense, and the Department of Homeland Security. In addition, Mr. Smith has conducted studies for utility companies (Sempra Energy) and state highway departments (CalTrans).

Professional Accomplishments

These selected major professional accomplishments represent research efforts that have added significantly to the body of knowledge concerning the prehistoric life ways of cultures once present in the southern California area and historic settlement since the late 18th century. Mr. Smith has been principal investigator on the following select projects, except where noted.

Downtown San Diego Mitigation and Monitoring Reporting Programs: Large numbers of downtown San Diego mitigation and monitoring projects, some of which included Broadway Block (2019), 915 Grape Street (2019), 1919 Pacific Highway (2018), Moxy Hotel (2018), Makers Quarter Block D (2017), Ballpark Village (2017), 460 16th Street (2017), Kettner and Ash (2017), Bayside Fire Station (2017), Pinnacle on the Park (2017), IDEA1 (2016), Blue Sky San Diego (2016), Pacific Gate (2016), Pendry Hotel (2015), Cisterra Sempra Office Tower (2014), 15th and Island (2014), Park and G (2014), Comm 22 (2014), 7th and F Street Parking (2013), Ariel Suites (2013), 13th and Marker (2012), Strata (2008), Hotel Indigo (2008), Lofts at 707 10th Avenue Project (2007), Breeza (2007), Bayside at the Embarcadero (2007), Aria (2007), Icon (2007), Vantage Pointe (2007), Aperture (2007), Sapphire Tower (2007), Lofts at 655 Sixth Avenue (2007), Metrowork (2007), The Legend (2006), The Mark (2006), Smart Corner (2006), Lofts at 677 7th Avenue (2005), Aloft on Cortez Hill (2005), Front and Beech Apartments (2003), Bella Via Condominiums (2003), Acqua Vista Residential Tower (2003), Northblock Lofts (2003), Westin Park Place Hotel (2001), Parkloft

Apartment Complex (2001), Renaissance Park (2001), and Laurel Bay Apartments (2001).

1900 and 1912 Spindrift Drive: An extensive data recovery and mitigation monitoring program at the Spindrift Site, an important prehistoric archaeological habitation site stretching across the La Jolla area. The project resulted in the discovery of over 20,000 artifacts and nearly 100,000 grams of bulk faunal remains and marine shell, indicating a substantial occupation area (2013-2014).

San Diego Airport Development Project: An extensive historic assessment of multiple buildings at the San Diego International Airport and included the preparation of Historic American Buildings Survey documentation to preserve significant elements of the airport prior to demolition (2017-2018).

Citracado Parkway Extension: A still-ongoing project in the city of Escondido to mitigate impacts to an important archaeological occupation site. Various archaeological studies have been conducted by BFSA resulting in the identification of a significant cultural deposit within the project area.

Westin Hotel and Timeshare (Grand Pacific Resorts): Data recovery and mitigation monitoring program in the city of Carlsbad consisted of the excavation of 176 one-square-meter archaeological data recovery units which produced thousands of prehistoric artifacts and ecofacts, and resulted in the preservation of a significant prehistoric habitation site. The artifacts recovered from the site presented important new data about the prehistory of the region and Native American occupation in the area (2017).

The Everly Subdivision Project: Data recovery and mitigation monitoring program in the city of El Cajon resulted in the identification of a significant prehistoric occupation site from both the Late Prehistoric and Archaic Periods, as well as producing historic artifacts that correspond to the use of the property since 1886. The project produced an unprecedented quantity of artifacts in comparison to the area encompassed by the site, but lacked characteristics that typically reflect intense occupation, indicating that the site was used intensively for food processing (2014-2015).

Ballpark Village: A mitigation and monitoring program within three city blocks in the East Village area of San Diego resulting in the discovery of a significant historic deposit. Nearly 5,000 historic artifacts and over 500,000 grams of bulk historic building fragments, food waste, and other materials representing an occupation period between 1880 and 1917 were recovered (2015-2017).

Archaeology at the Padres Ballpark: Involved the analysis of historic resources within a seven-block area of the "East Village" area of San Diego, where occupation spanned a period from the 1870s to the 1940s. Over a period of two years, BFSA recovered over 200,000 artifacts and hundreds of pounds of metal, construction debris, unidentified broken glass, and wood. Collectively, the Ballpark Project and the other downtown mitigation and monitoring projects represent the largest historical archaeological program anywhere in the country in the past decade (2000-2007).

4S Ranch Archaeological and Historical Cultural Resources Study: Data recovery program consisted of the excavation of over 2,000 square meters of archaeological deposits that produced over one million artifacts, containing primarily prehistoric materials. The archaeological program at 4S Ranch is the largest archaeological study ever undertaken in the San Diego County area and has produced data that has exceeded expectations regarding the resolution of long-standing research questions and regional prehistoric settlement patterns.

Charles H. Brown Site: Attracted international attention to the discovery of evidence of the antiquity of man in North America. Site located in Mission Valley, in the city of San Diego.

Del Mar Man Site: Study of the now famous Early Man Site in Del Mar, California, for the San Diego Science Foundation and the San Diego Museum of Man, under the direction of Dr. Spencer Rogers and Dr. James R. Moriarty.

Old Town State Park Projects: Consulting Historical Archaeologist. Projects completed in the Old Town State Park involved development of individual lots for commercial enterprises. The projects completed in Old Town include Archaeological and Historical Site Assessment for the Great Wall Cafe (1992), Archaeological Study for the Old Town Commercial Project (1991), and Cultural Resources Site Survey at the Old San Diego Inn (1988).

Site W-20, Del Mar, California: A two-year-long investigation of a major prehistoric site in the Del Mar area of the city of San Diego. This research effort documented the earliest practice of religious/ceremonial activities in San Diego County (circa 6,000 years ago), facilitated the projection of major non-material aspects of the La Jolla Complex, and revealed the pattern of civilization at this site over a continuous period of 5,000 years. The report for the investigation included over 600 pages, with nearly 500,000 words of text, illustrations, maps, and photographs documenting this major study.

City of San Diego Reclaimed Water Distribution System: A cultural resource study of nearly 400 miles of pipeline in the city and county of San Diego.

Master Environmental Assessment Project, City of Poway: Conducted for the City of Poway to produce a complete inventory of all recorded historic and prehistoric properties within the city. The information was used in conjunction with the City's General Plan Update to produce a map matrix of the city showing areas of high, moderate, and low potential for the presence of cultural resources. The effort also included the development of the City's Cultural Resource Guidelines, which were adopted as City policy.

Draft of the City of Carlsbad Historical and Archaeological Guidelines: Contracted by the City of Carlsbad to produce the draft of the City's historical and archaeological guidelines for use by the Planning Department of the City.

The Mid-Bayfront Project for the City of Chula Vista: Involved a large expanse of undeveloped agricultural land situated between the railroad and San Diego Bay in the northwestern portion of the city. The study included the analysis of some potentially historic features and numerous prehistoric

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Audie Murphy Ranch, Riverside County, California: Project manager/director of the investigation of 1,113.4 acres and 43 sites, both prehistoric and historic—included project coordination; direction of field crews; evaluation of sites for significance based on County of Riverside and CEQA guidelines; assessment of cupule, pictograph, and rock shelter sites, co-authoring of cultural resources project report. February- September 2002.

Cultural Resources Evaluation of Sites Within the Proposed Development of the Otay Ranch Village 13 Project, San Diego County, California: Project manager/director of the investigation of 1,947 acres and 76 sites, both prehistoric and historic—included project coordination and budgeting; direction of field crews; assessment of sites for significance based on County of San Diego and CEQA guidelines; co-authoring of cultural resources project report. May-November 2002.

Cultural Resources Survey for the Remote Video Surveillance Project, El Centro Sector, Imperial County: Project manager/director for a survey of 29 individual sites near the U.S./Mexico Border for proposed video surveillance camera locations associated with the San Diego Border barrier Project—project coordination and budgeting; direction of field crews; site identification and recordation; assessment of potential impacts to cultural resources; meeting and coordinating with U.S. Army Corps of Engineers, U.S. Border Patrol, and other government agencies involved; co-authoring of cultural resources project report. January, February, and July 2002.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Menifee West GPA, Riverside County, California: Project manager/director of the investigation of nine sites, both prehistoric and historic—included project coordination and budgeting; direction of field crews; assessment of sites

for significance based on County of Riverside and CEQA guidelines; historic research; co-authoring of cultural resources project report. January-March 2002.

Cultural Resources Survey and Test of Sites Within the Proposed French Valley Specific Plan/EIR, Riverside County, California: Project manager/director of the investigation of two prehistoric and three historic sites—included project coordination and budgeting; survey of project area; Native American consultation; direction of field crews; assessment of sites for significance based on CEQA guidelines; cultural resources project report in prep. July-August 2000.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Menifee Ranch, Riverside County, California: Project manager/director of the investigation of one prehistoric and five historic sites—included project coordination and budgeting; direction of field crews; feature recordation; historic structure assessments; assessment of sites for significance based on CEQA guidelines; historic research; co-authoring of cultural resources project report. February-June 2000.

Salvage Mitigation of a Portion of the San Diego Presidio Identified During Water Pipe Construction for the City of San Diego, California: Project archaeologist/director—included direction of field crews; development and completion of data recovery program; management of artifact collections cataloging and curation; data synthesis and authoring of cultural resources project report in prep. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Tyrian 3 Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Lamont 5 Project, Pacific Beach, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Reiss Residence Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. March-April 2000.

Salvage Mitigation of a Portion of Site SDM-W-95 (CA-SDI-211) for the Poinsettia Shores Santalina Development Project and Caltrans, Carlsbad, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program; management of artifact collections cataloging and curation; data synthesis and authoring of cultural resources project report in prep. December 1999-January 2000.

Survey and Testing of Two Prehistoric Cultural Resources for the Airway Truck Parking Project, Otay Mesa, California: Project archaeologist/director—included direction of field crews; development and completion of testing recovery program; assessment of site for significance based on CEQA guidelines; authoring of cultural resources project report, in prep. December 1999-January 2000.

Cultural Resources Phase I and II Investigations for the Tin Can Hill Segment of the Immigration and Naturalization Services Triple Fence Project Along the International Border, San Diego County, California: Project manager/director for a survey and testing of a prehistoric quarry site along the border—NRHP eligibility assessment; project coordination and budgeting; direction of field crews; feature recordation; meeting and coordinating with U.S. Army Corps of Engineers; co-authoring of cultural resources project report. December 1999-January 2000.

Mitigation of a Prehistoric Cultural Resource for the Westview High School Project for the City of San Diego, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program including collection of material for specialized faunal and botanical analyses; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; co-authoring of cultural resources project report, in prep. October 1999-January 2000.

Mitigation of a Prehistoric Cultural Resource for the Otay Ranch SPA-One West Project for the City of Chula Vista, California: Project archaeologist/director—included direction of field crews; development of data recovery program; management of artifact collections cataloging and curation; assessment of site for significance based on CEQA guidelines; data synthesis; authoring of cultural resources project report, in prep. September 1999-January 2000.

Monitoring of Grading for the Herschel Place Project, La Jolla, California: Project archaeologist/ monitor—included monitoring of grading activities associated with the development of a single- dwelling parcel. September 1999.

Survey and Testing of a Historic Resource for the Osterkamp Development Project, Valley Center, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program; budget development; assessment of site for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report. July-August 1999.

Survey and Testing of a Prehistoric Cultural Resource for the Proposed College Boulevard Alignment Project, Carlsbad, California: Project manager/director —included direction of field crews; development and completion of testing recovery program; assessment of site for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report, in prep. July-August 1999.

Survey and Evaluation of Cultural Resources for the Palomar Christian Conference Center Project, Palomar Mountain, California: Project archaeologist—included direction of field crews; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report. July-August 1999.

Survey and Evaluation of Cultural Resources at the Village 2 High School Site, Otay Ranch, City of Chula Vista, California: Project manager/director —management of artifact collections cataloging and curation; assessment of site for significance based on CEQA guidelines; data synthesis; authoring of cultural resources project report. July 1999.

Cultural Resources Phase I, II, and III Investigations for the Immigration and Naturalization Services Triple Fence Project Along the International Border, San Diego County, California: Project manager/director for the survey, testing, and mitigation of sites along border—supervision of multiple field crews, NRHP eligibility assessments, Native American consultation, contribution to Environmental Assessment document, lithic and marine shell analysis, authoring of cultural resources project report. August 1997- January 2000.

Phase I, II, and II Investigations for the Scripps Poway Parkway East Project, Poway California: Project archaeologist/project director—included recordation and assessment of multicomponent prehistoric and historic sites; direction of Phase II and III investigations; direction of laboratory analyses including prehistoric and historic collections; curation of collections; data synthesis; coauthorship of final cultural resources report. February 1994; March-September 1994; September-December 1995.

APPENDIX B

Archaeological Records Search Results

(Deleted for Public Review; Bound Separately)

APPENDIX C

NAHC Sacred Lands File Search

(Deleted for Public Review; Bound Separately)

Appendix C: Historic Assessment Memorandum

URBANA PRESERVATION & PLANNING LLC

Southern California
7705 El Cajon Boulevard, #1
La Mesa, CA 91942
619-543-0693/P

Northern California
248 3rd Street, #841
Oakland, CA 94607
510-663-7443/P

www.urbanapreservation.com

August 31, 2022

Attn: Konnie Doberva
2355 Main Street | Suite 100
Irvine, CA 92614

RE: Historical Resource Summary | 17802-17842 Irvine Boulevard, Tustin, California.

Urbana Preservation & Planning, LLC (Urbana) has evaluated the commercial office buildings located at 17802 and 17842 Irvine Boulevard in Tustin, California, for eligibility under the Tustin Local Register and California Register of Historical Resources (CRHR) to identify whether the building meets the definition of an historical resource under the CRHR and pursuant to § 15064.5 of the CEQA Guidelines. Urbana concludes that the property is not eligible for inclusion on the Local Register and the CRHR. The property does not meet the definition of an historical resource under the CRHR or pursuant to CEQA Guidelines § 15064.5. The property is documented and evaluated on Department of Parks and Recreation (DPR) 523 series forms (attached) with our findings summarized below.

The 17802-17842 Irvine Boulevard property does not qualify for designation under Local Register and CRHR criteria. The property was initially improved during the early suburbanization of the City of Tustin. During the 1950s, agricultural lands were gradually replaced by new residential and commercial use properties to accommodate the population boom that occurred following World War II. By the 1970s, when the buildings were constructed many of the area's agricultural lands were replaced with the construction of residential, commercial, and industrial-use properties. Although the buildings were constructed during the early suburbanization of the city, no specific information was identified to indicate that the subject property, in and of itself, exemplified or represents a special element of Tustin or California's history under CRHR / Local Register Criterion 1. The property is not directly associated with persons, a business use or events significant in local, state, or national history under CRHR / Local Register Criterion 2. The buildings do not embody the distinctive characteristics of a type, period, or method of construction, nor does it represent the work of an important creative individual under CRHR / Local Register Criterion 3 /3, 4. The buildings do not have a unique location or represent an established and familiar visual feature of a neighborhood, community or the city under Local Register Criterion 5. The property does not play an integral part of a natural environment and does not contribute to the wellbeing of the residents of the city or neighborhood **L**ocal Register Criterion 6. It is not in a geographically definable area that are unified by past events Local Register Criterion 7. Lastly, further research and analysis of the subject property is unlikely to yield information important in prehistory or history CRHR Criterion 4.

The property has retained integrity over the years, with minor alterations made to the exterior. The buildings are in their original 1971 and 1972 location and has not been moved since that time; therefore, the property retains integrity of **location**. The buildings were constructed at time when Tustin was developing into a suburban community. Today, the property is surrounded by contemporary period commercial, residential, and multi-family units that have changed the surrounding context and visual characteristics of the area. The property does not possess integrity of **feeling**, **setting, materials**, **design**, and **workmanship**, **or association.** Alterations made to the exterior of subject buildings include multiple sign additions (see permit history), and the reroofing of the buildings with composition shingles in 2002.

Refer to the attached DPR forms for additional property history and contact the office with any questions or comments.

Respectfully Submitted,

Alexia Landa

Alexia Landa, BA

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI # _____
Trinomial: _____
CRHR Status Code: 6Z
Other Listings: _____

Review Code _____ **Reviewer** _____ **Date** _____
Resource Name or #: 17802-17842 Irvine Blvd.
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P1. Other Identifier: Broadmoor Square West, Broadmoor Square East, Tustin Business Center
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**

- ***a. County** Orange County **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
- ***b. USGS 7.5' Quad** See Location Map **Date** 2022 **T** 5S; **R** 9W; **of of Sec** ; S.B. **B.M.**
- c. Address 17802 & 17842 Irvine Blvd. City Tustin Zip 92780
- d. UTM: (Give more than one for large and/or linear resources) Zone 11, 423923.30 mE/ 3734511.98 mN
- e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

The subject property fronts Irvine Boulevard and is sited on Block 31 of the Rice's Re-subdivision Tract, between Prospect Avenue and Prospect Park. Identified as Orange County Assessor's Parcel Numbers 401-141-13 and 401-141-57, the property is located towards the north end of the City of Tustin.

***P3a. Description:** The evaluated property is located on two parcels identified as 401-141-13 and 401-141-57 and consists of two commercial office buildings, addressed as 17802 and 17842 Irvine Boulevard, constructed in 1971 by Richard B. Smith, Inc., Developer, and designed by Morris & Lohrbach, Architects. The buildings are sited on a rectangular parcel, approximately 2- acres in size, located on the south side of Irvine Boulevard. The surrounding area is composed of a planned single-family residential community, with commercial, public, and institutional-use properties located along Irvine Blvd. Asphalt surface parking surrounds the buildings to the north and south. Limited landscaping is installed at the north and west of the 17802 building and east of the 17842 building. Over the years, the property has housed a number of tenants, both large and small sole-proprietor businesses. **See Continuation Sheet for additional description.**



***P3b. Resource Attributes:** (List attributes and codes) (HP6) 1-3 Story Commercial Building
***P4. Resources Present:** ☒ Building ☐Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5b. Description of Photo: View of 17842 Irvine Blvd, west and south elevation.
***P6. Date Constructed/Age and Source:** ☒-Historic: 1971 and 1972; Building Permits/ *Los Angeles Times.*
***P7. Owner and Address:**
Tustin Business Center-PI Prop. LC
210 N. Santa Anita Ave
Arcadia CA. 2722
***P8. Recorded by:**
Alexia Landa, B.A.
Urbana Preservation & Planning, LLC
www.urbanapreservation.com

***P9. Date Recorded:** August 2022
***P10. Survey Type:** Historical Resource Assessment
***P11. Report Citation**: (Cite survey report and other sources or enter "none.") None
***Attachments:** ☐ NONE ☒ Location Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (List):

B1. Historic Name: Broadmoor Square West / Broadmoor Square East
B2. Common Name: 17802 & 17842 Irvine Blvd. /Tustin Business Plaza
B3. Original Use: Commercial-use B4. Present Use: Commercial-use
***B5. Architectural Style:** Contemporary
***B6. Construction History:** Construction history is based on property building permits, historic newspapers, and historic and current aerial photography. The subject property was improved with the construction of two commercial-use buildings identified as: 17802 Irvine Blvd (constructed in 1971) and 17842 Irvine Blvd (constructed in 1972). In December of 1970, Broadmoor Square West, a limited partnership, applied for a permit to construct two 20,935 sq. ft. commercial-use buildings (Permit No.6134). The project was valued at $375, 000. The two-story buildings were constructed by the Robert B. Smith, Inc. building company and designed by Morris & Lohrbach & Associates, Architects, in a contemporary style.

Based on historic aerials, the buildings were designed identically with an L-shaped floorplan, a symmetrical façade, a low-pitched roof, stucco-clad exterior, wood frame store front units, first and second floor walkways, and vertical board siding on the exterior staircases and center / inside edges of the buildings. Over the years, several electrical, sewer, sign additions, and interior office partition permits were submitted by Broadmoor Square West, Richard B. Smith, the owner and building contractor of the subject property, and by tenants. In 2002, a permit was submitted by Tustin Business Center LP to reroof the buildings with composition shingles (Permit No. B02-0447). No other alterations were identified. **See Continuation Sheet for a list of property building permits.**
***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** _____ **Original Location:**_____
***B8. Related Features:** No related features.
B9a. Architect: Morris, Lohrbach, & Associates b. Builder: Richard B. Smith, Inc.
***B10. Significance: Theme** N/A **Area** N/A **Period of Significance** N/A **Property Type** Commercial **Applicable Criteria** Local Register / CRHR Ineligible
The 17802-17842 Irvine Boulevard property does not qualify for designation under Local Register and CRHR criteria. The property does not exemplify or reflect special elements of the City's cultural, architectural, aesthetic, social, economic, political, artistic, engineering, and or architectural heritage **(CRHR / Local Register Criterion 1)**; it is not associated with persons, a business use or events significant in local, state, or national history **(CRHR / Local Register Criterion 2)**; it does not embody the distinctive characteristics of a type, period, or method of construction, nor does it represent the work of an important creative individual **(CRHR / Local Register Criterion 3 /3, 4)**; It is not in a unique location or represent an established and familiar visual feature of a neighborhood, community or the city **(Local Register Criterion 5);** it is not an integral part of a natural environment and does not contribute to the wellbeing of the residents of the city or neighborhood **(Local Register Criterion 6);** it is not in a geographically definable area that are unified by past events **(Local Register Criterion 7);** Lastly, further research and analysis of the subject property is unlikely to yield information important in prehistory or history **(CRHR Criterion 4)**. **See Continuation Sheet for additional information.**



B11. Additional Resource Attributes: N/A
***B12. References:** See Continuation Sheet for References
B13. Remarks: None
***B14. Evaluator:** Alexia Landa, B.A.
Urbana Preservation & Planning, LLC
***Date of Evaluation:** August 2022

(This space reserved for official comments)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

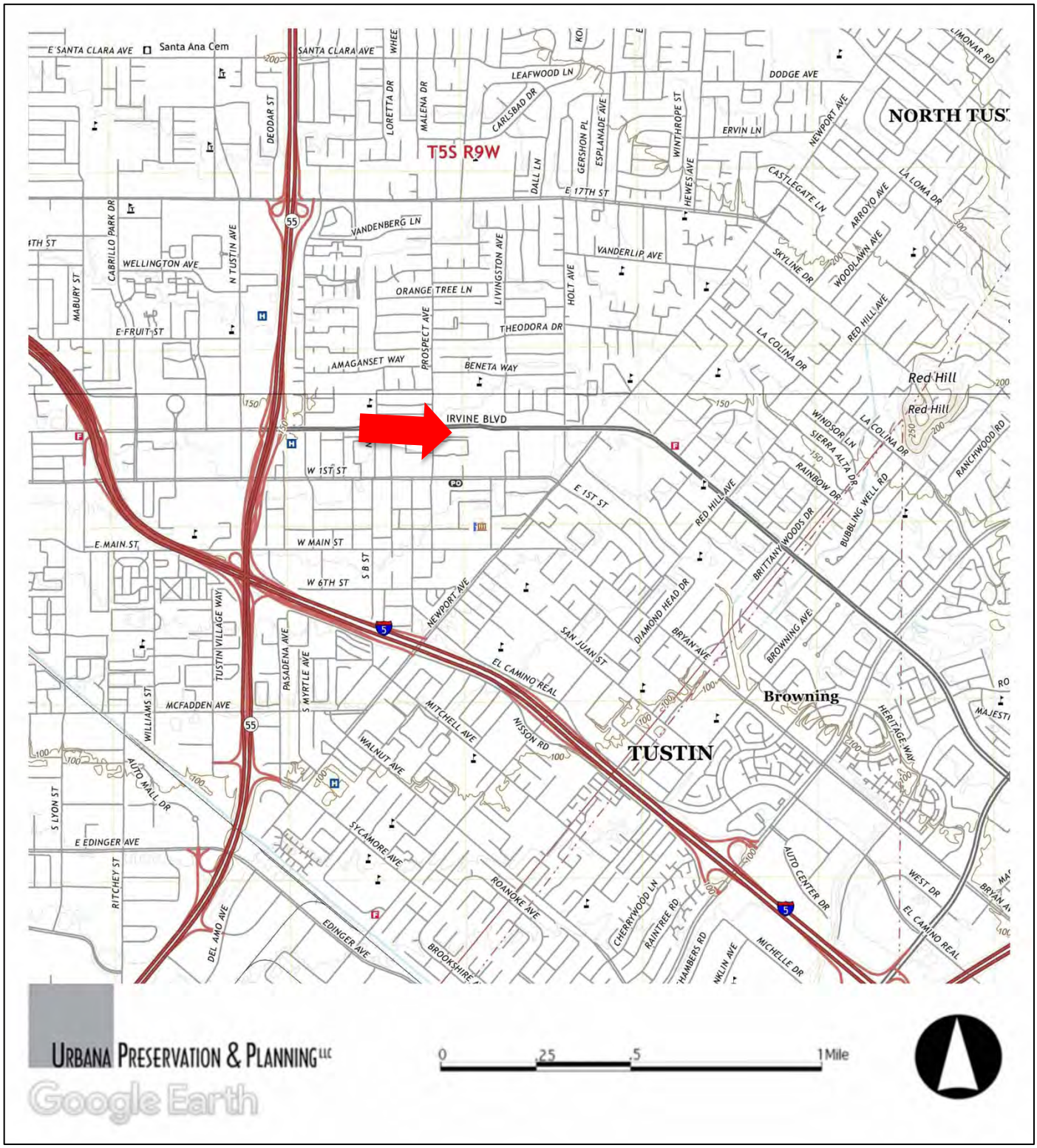
LOCATION MAP

Primary# _____
HRI# _____
Trinomial# _____

*NRHP Status Code: 6Z

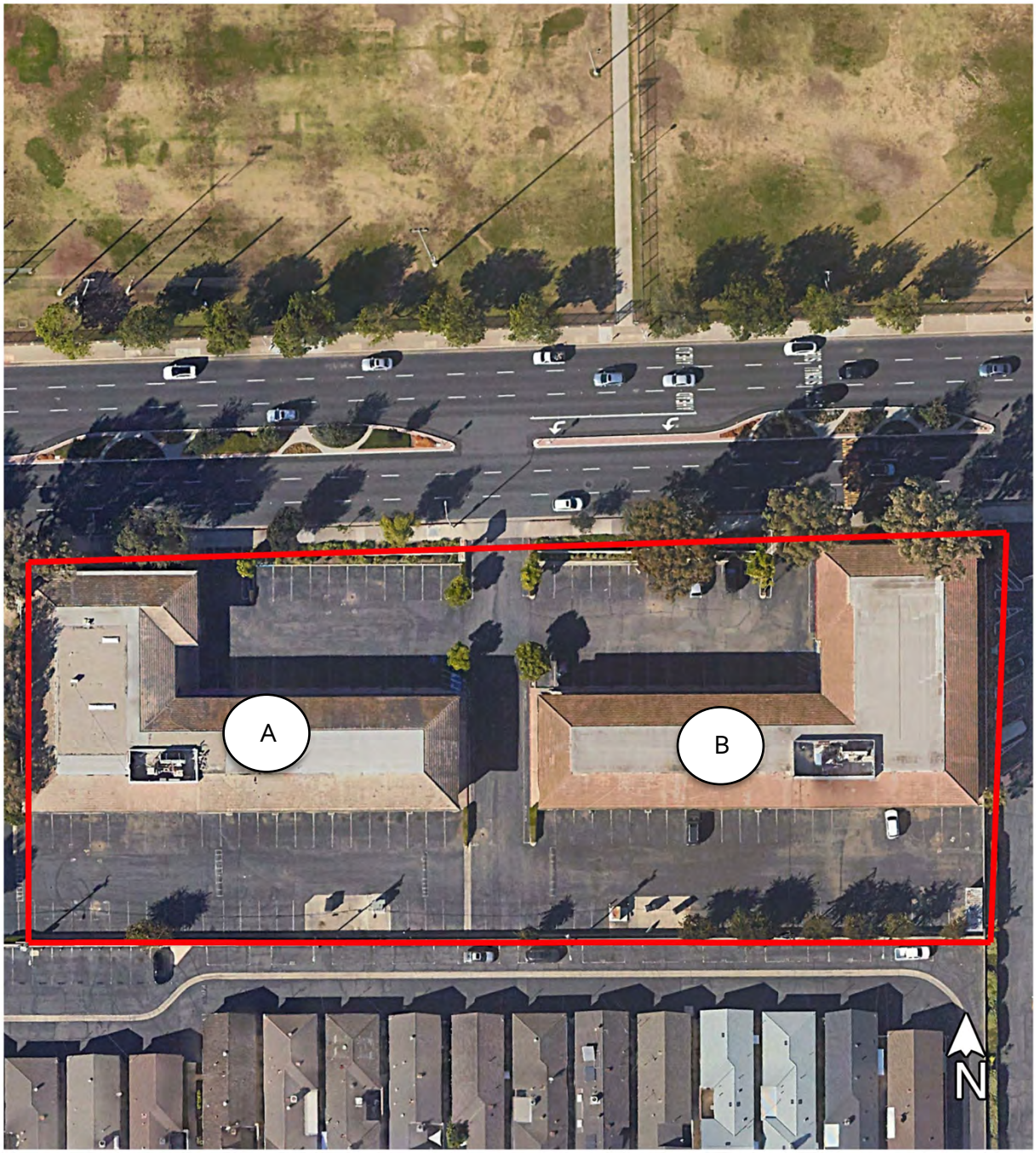
*Resource Name or # (Assigned by recorder) 17802-17842 Irvine Blvd.

*Map Name: Tustin and Orange USGS Quad Maps *Date: 2022 *Scale: 1:24,000



*Required information

Site Plan



Property Boundary:

Building A: 17802 Irvine Avenue (Historic Name: Broadmoor Square West)
Building B: 17842 Irvine Avenue (Historic Name: Broadmoor Square East)

P3a. Description (Continued from page 1)

17802 – 17842 Irvine Blvd. Current Description

The property features two identically designed L-shape buildings set in a symmetrical plan. Each building features a flat or low-pitched sloped roof covered in composition, stucco-clad exterior walls, and horizontally aligned and evenly spaced wood frame storefront units at the ground floor with wood framed units at the second floor. The ground floor spaces are flush with the exterior wall but are recessed into the ground floor walkway formed by regular stucco-clad posts / squared columns, each divided by a retail signage panel with a canvas awning. Vertical board siding forms the second floor balustrade to enclose the exterior walkways leading to second floor office spaces. The same vertical board siding continues at the exterior staircases sited on the center / inside edges of both buildings and at the rear elevation of both buildings.

Current views of the property are included below and in the following pages.



View southwest of the 17802 building's north elevation.



View south of the 17802 building's north elevation.


View southwest of the 17802 building's east elevation.



View west of the 17802 building corridor located on the north elevation.



View northwest of the 17802 building's south elevation and partial east elevation.



View northwest of the 17802 building's south elevation.



View northeast of the 17802 building's south elevation. The 17842 building is visible in the background.



View north of the 17802 building's south elevation.



View northeast of the 17802 building's west and partial south elevation.



View northeast of the 17802 building's west elevation.



View northeast of the 17802 building's west elevation.



View southwest of the 17802 building's partial north and west elevations.



View southeast of the 17842 building's north elevation.



View east of the 17842 building's L-shaped facade located on the north elevation.



View east of the 17842 building's east and partial north elevation.



View northeast of the 17842 building's south and west elevations.

B6. Construction History (Continued from page 2)

Table 1. Permit History

Date	Permitted Work	Permit Issued to
12/14/70	Building Permit-Block Wall; $1,200 (Permit # 5488)	Owner: Broadmoor Square West, limited Partnership Contractor: R. B. Smith, Inc. Architect: Morris & Lohrbach
12/17/70	Building Permit- Commercial Offices & Retail; 2 stories; 20,935 sq ft; -$378,000 (Permit # 6134)	Owner: Broadmoor Square West, limited Partnership Contractor: R. B. Smith, Inc. Architect: Morris & Lohrbach & Associates
12/22/70	Sewer (Permit #851)	Owner: Broadmoor Square West, Limited Partnership Contractor: R. B. Smith
12/22/70	Grading (Permit # 821)	Owner: Broadmoor Square West Contractor: Richard B. Smith Architects: Morris & Lohrbach
12/23/70	Plumbing (Permit # 6134)	Owner: Richard B. Smith Development Contractor: Anaheim Plumbing, Inc.
12/29/70	Building Permit- Single Tract Sign (Permit # 5541)	Owner: Smith Greenwood Contractor: Union Sign
1/13/71	Heating, Ventilating, Refrigeration (Permit # 3292)	Owner: Broadmoor Square West Contractor: Southland High Air Conditioning
1/7/71	Electrical (Permit # 5307)	Owner: Richard B. Smith Contractor: Ram Equipment
2/26/71	Electrical (Permit # 5349)	Owner: Richard B. Smith, Inc Contractor: Looper Electric Co.
3/8/71	Electrical - Sign (Permit # 5353)	Owner: Broadmoor Square West, Limited Partnership Contractor: Rich Sign Co.
3/8/71	Building Permit- Install D / F Pole sign, 5 x10 & wall numbers (Permit # 5635)	Owner: Broadmoor Square West, Limited Partnership Contractor: Rich Sign Co. Architect: Arthur L. Bergey
4/7/71	Electrical-Sign (Permit # 5381)	Owner: Donald Bird Associates, Inc. Contractor: Rich Sign Co.
4/7/71	Building Permit-Install 4 wall signs (Permit # 5726)	Owner: Donald M. Bird & Associates, Inc. Contractor: Rich Sign Co.

4/27/71	Plumbing (Permit # 9632)	Owner: R. B. Smith Contractor: Jen Construction Co.
6/15/71	Electrical (Permit # 5487)	Owner: Broadmoor Contractor: Looper Electric
6/24/71	Electrical (Permit # 5494)	Owner: Broadmoor Square West Contractor: Looper Electric
6/24/71	Building Permit- Office Partitions (Permit # 5904)	Owner: R. B. Smith Contractor: C. Dial Co. Architect: Morris & Lohrbach
7/8/71	Plumbing (Permit # 9777)	Owner: Broadmoor Homes Contractor: Custom
7/19/71	Heating, Ventilating, Refrigeration (Permit # 3287)	Owner: R. B. Smith, Inc. Contractor: Southland High Air Conditioning
7/12/71	Electrical (Permit # 5527)	Owner: Broadmoor Square West Contractor: Rich Sign Co.
7/12/71	Building Permit-Install wall design (Permit # 5947)	Owner: Broadmoor Square West Contractor: Rich Sign Co.
7/19/71	Heating, Ventilating, Refrigeration-Suite E (Permit # 3286)	Owner: R. B. Smith, Inc. Contractor: Southland High Air Conditioning
7/19/71	Heating, Ventilating, Refrigeration-Suite A & D (Permit # 3759)	Owner: R. B. Smith, Inc. Contractor: Southland High Air Conditioning
8/24/71	Electrical (Permit #1668)	Owner: Professional Practice Sales Contractor: Rich Sign Co.
8/24/71	Building Permit- Install 18x12 S/F Sign (Permit # 6013)	Owner: Professional Practice Sales Contractor: Rich Sign Co.
10/15/71	Heating, Ventilating, Refrigeration-Suite D (Permit # 3288)	Owner: Broadmoor Square West Contractor: Southland High Air Conditioning
11/19/71	Electrical (Permit# 5675)	Owner: Not Listed Contractor: Looper Electric
11/19/71	Building Permit- Partition & Ceiling Suite D, H, L (Permit# 21685)	Owner: Broadmoor Square West, Limited Partnership Contractor: R. B. Smith, Inc. Architect: Morris & Lohrbach
10/6/71	Building Permit Partition & Ceiling Suite K (Permit # 6018)	Owner: Broadmoor Square West Contractor: Richard B. Smith Architects: Morris & Lohrbach
10/8/71	Electrical (Permit # 5631)	Owner: R. B. Smith Contractor: Looper Electric
11/5/71	Electrical- Sign (Permit # 5663)	Owner: Royal Globe Insurance Contractor: Rich Sign Co.

12/10/71	Electrical (Permit # 5692)	Owner: Broadmoor Contractor: Looper Electric
1/8/72	Building Permit- Partition (Permit # 21801)	Owner: R. B. Smith Contractor: R.B. Smith, Inc. Architect: Morris & Lohrbach
2/1/72	Building Permit- Install S/F Plastic Wall Sign (Permit # 21798)	Owner: Royal Globe Insurance Contractor: Rich Sign Co.
2/1/72	Building Permit- Partition & Ceiling Suite P (Permit # 21827)	Owner: Broadmoor Square West Contractor: R. B. Smith, Inc. Architect: Morris & Lohrbach
3/10/72	Electrical (Permit # 5787)	Owner: Broadmoor Square Contractor: Looper Electric
4/6/72	Heating, Ventilating, Refrigeration-Suite D (Permit # 3545)	Owner: Broadmoor Square East Contractor: Southland High Air Conditioning
4/7/72	Heating, Ventilating, Refrigeration-Suite 105A (Permit # 3546)	Owner: R.B. Smith, Inc. Contractor: Southland High Air Conditioning
4/7/72	Heating, Ventilating, Refrigeration-Suite 215 (Permit # 3547)	Owner: R.B. Smith, Inc. Contractor: Southland High Air Conditioning
5/9/72	Electrical (Permit # 5883)	Owner: Broadmoor Square Contractor: Looper Electric
6/27/72	Building Permit- Certificate of Use and Occupancy (Permit # 6134)	Owner: Broadmoor Square West Contractor: N/A
7/27/72	Building Permit - Partitioning of Suite # 219 (Permit #6568)	Owner: Broadmoor Square West Contractor: Richard B. Smith, Inc. Architects: Morris & Lohrbach
8/1/72	Electrical (Permit # 5972)	Owner: Broadmoor Square Contractor: Looper Electric
8/3/72	Heating, Ventilating, Refrigeration (Permit # 3661)	Owner: Richard Smith Contractor: Southland High Air Cond.
8/8/72	Building Permit- Partition (Permit # 6266)	Owner: R. B. Smith-Broadmoor Square West Contractor: R. B. Smith, Inc.
8/8/72	Building Permit- Partitioning of Suites 215 & 217 A (Permit # 6401)	Owner: Broadmoor Square West Contractor: Looper Electric
11/27/72	Electrical (Permit # 27469)	Owner: Broadmoor Square Contractor: Looper Electric
12/5/72	Building Permit- Wall sign (Permit #27469)	Owner: Transamerica Title Escrow Contractor: Rich Sign Co.
12/26/72	Electrical (Permit # 6228)	Owner: Not Listed Contractor: Rich Sign Co.

12/26/72	Electric (Permit # 6227)	Owner: Broadmoor Square Contractor: Looper Electric
2/8/73	Electrical (Permit # 6323)	Owner: Broadmoor Square Contractor: Looper Electric
3/7/73	Electric (Permit # 6358)	Owner: Broadmoor Square Contractor: Looper Electric
4/3/73	Building Permit - Wall Sign (Permit # 27538)	Owner: Financial House Inc. Contractor: Rich Sign Co.
4/19/73	Electrical (Permit # 29932)	Owner: Broadmoor Contractor: Looper Electric
6/28/73	Electrical (Permit # 6814)	Owner: Broadmoor Contractor: Looper Electric
8/30/73	Heating, Ventilating, Refrigeration (Permit # 3831)	Owner: Broadmoor East Contractor: Southland Hgt. & A/C
2/7/74	Electric - Suite 240 (Permit # 7495)	Owner: Broadmoor Square Contractor: Not Listed
3/28/78	Building Permit - Office Space Remodel (Permit # 26012)	Owner: Broadmoor Square West Contractor: Not listed
4/15/78	Electrical (Permit # 26070)	Owner: Broadmoor Contractor: Jacks Electrical
12/11/79	Building Permit-"New Homes Group" Replace Face (Permit #31731)	Owner: A. C. Nielson Contractor: New Homes Group
12/11/79	Building Permit-"Dee Davis Escrow" New face (Permit# 31732)	Owner: A. C. Nielson Contractor: New Homes Group
2/1/80	Building Permit- Leasing Sale Sign (Permit # 40706)	Owner: Mrs. Nielson Contractor: Glen Sample
3/30/86	Building Permit-Add Partitions per plan; paint and new carpeting (Permit # 112273)	Owner: Welarc, Inc. Contractor: Village Maint. & Const. Co.
8/4/86	Building Permit- Relocate Partitions and Relocate and add overhead lighting fixtures (Permit # 17554)	Owner: Welarc, Inc. Contractor: Village Maint. & Const. Co.
10/29/86	Electric (Permit # 113128)	Owner: Broadmoor Square Contractor: Heritage Prop Services Architect: Welarc, Inc.
2/28/87	Building Permit - Tenant Improvement (Permit # 113809)	Owner: Broadmoor Contractor: Heritage Architect: Samuel P. Madrid
3/12/87	Building Permit (Permit # 113896)	Owner: Broadmoor Contractor: Heritage Architect: Samuel Madrid
3/24/87	Building Permit-Office Partition (Permit # 113896)	Owner: Broadmoor Contractor: Heritage Architect: Not Identified

4/7/87	Electrical (Permit # 114987)	Owner: Broadmoor Contractor: Heritage Architect: Not Identified
6/28/87	Electrical- Commercial Under Canopy Sign (Permit # 116789)	Owner: Edward Price Evan Contractor: Union Sign, Inc.
12/18/95	Electrical- Illuminated Wall Sign "Travel Agents International (Permit # Not listed)	Owner: Edward Price Evans Contractor: A 1 Sign Service
10/23/02	Reroof, install BUR, area where A/C Unit (Permit# not listed)	Owner: Tustin Business Center LP Contractor: Roofcorp of Ca. Inc. DBA Holmes Roofing Co.
12/7/16	Building Permit-Face change only "All State" (Permit # S2016-0062)	Owner: Tustin Business Center LP Contractor: Elite Sign Services

B10. Significance (Continued from page 2)

BRIEF OVERVIEW OF THE CITY OF TUSTIN

The City of Tustin is located in Orange County in the Santa Ana Valley region, and City is bordered to the north by the City of Orange, to the west by the City of Santa Ana, to the south by the City of Irvine, and to the east by the Santa Ana Mountains. Located approximately 35-miles from Downtown Los Angeles, Tustin encompasses 11.12 square miles and is situated on a largely flat alluvial plain, south of the area's major watershed, the Santa Ana River. The river originates from the San Bernardino Mountains and extends west into Riverside County and Orange County, terminating at the Pacific Ocean. The city is characterized as a fully developed suburban community, with planned residential, commercial, and institutional-use properties throughout, and industrial-use properties located towards the south end of the city boundaries. Three major transportation corridors intersect the city and provide regional access between the Cities of Los Angeles, Orange, and San Bernardino. Interstate 5 intersects the city in a northwest-southeast orientation, California State Route 261 intersects the city in a southwest-northeast orientation, and California State Route 55 intersects the city in a north-south orientation. Major arterial routes that intersect that city include Irvine Blvd., Tustin Ranch Road, Jamboree Road, Newport Ave., and Red Hill Ave.

The city is named after Columbus Tustin, a carriage maker originally from Philadelphia, who relocated west with his family in the mid-1830s. In 1868, Tustin and his partner Nelson O. Stafford acquired 1,359-acres of the former Rancho Santiago de Santa Ana land grant. The former Mexican rancho was approximately 63,400-acres and encompassed the present-day cities of Santa Ana, Orange, Tustin, Costa Mesa, and parts of Irvine. The rancho was previously owned by the Yorba and Peralta family and later acquired by Jonathan E. Bacon and Isaac Johnson in 1866. Following the transaction, Tustin took control of 840-acres and relocated to the area from Sacramento with his wife Mary and five children in 1870. He developed approximately 100-acres roughly near the present-day area of Old Town, and formally established "Tustin City." The town featured 300 sq. ft. blocks that were divided into 50 x 150 ft. lots.[1] Streets were laid out in a north-south, east-west orientation, with an average width of 66-feet. Mr. Tustin worked hard to ensure the success of the new townsite and marketed Tustin City as a "semi-tropical paradise," along the future corridor of the Southern Pacific Railroad. However, the new townsite failed to develop as Tustin had anticipated. Development was slow and eventually free lots were offered to encourage settlement in the area. In 1878, the new town experienced yet another blow when the Southern Pacific Railroad chose the town of Santa Ana as its new terminus. As a result, most of Tustin City's already-few commercial operations and residents relocated to Santa Ana where the railroad would guarantee continued growth and prosperity. In 1883, Tustin died at the age of 57 before he could see Tustin City transform into a thriving agricultural center.

Throughout the late 1880s and 1890s, Tustin City experienced several ups-and-downs that inhibited the town's continued success. In 1886, the Santa Ana, Orange, and Tustin Street Railway, a horse-drawn streetcar line, was established to provide a link between the Southern Pacific Railroad depot in Santa Ana to Tustin City. The new connection to the railroad was meant to encourage further development in the town, however, by the close of the 1880s, the railroad fare war between the Southern Pacific Railroad and the Atchison, Topeka, & Santa Fe (ATSF) ceased, making it difficult for the average rider to afford a train ticket. Despite its promising prospects and the boost provided with the establishment of Orange County in 1889, Tustin City found itself at a standstill. In 1894, the post office dropped the word "City" from its name and the following year streetcar operations ceased.

[1] City of Tustin, *Citywide Historic Resources Survey Update Report* (CA: City of Tustin, 2021).

Beyond the fluctuations the area experienced, much of Tustin's early development lay within its burgeoning agricultural district which provided the city with a stable economic base. Although small-scale farming was one of the earliest activities to take root in Tustin, it took some time to expand into larger commercial operations. Everything changed for Tustin's local economy, when the Southern Pacific and ATSF established new lines near Tustin, creating new opportunities to market and ship the area's produce. As a result, this allowed the agricultural development of the area to expand greatly. By 1901, Tustin had emerged as a booming agrarian society with a population of 800. The vast majority of Tustin's residents were associated with the agricultural industry. Much of Tustin's growth was concentrated around the peripherals of the town center. The outlying areas were developed by farmers who cultivated a variety of crops such as walnuts, apricots, olives, grain, hay, and alfalfa, in addition to the dominant citrus crop. Farmhouses were built in the Victorian-era styles and packing houses were constructed, prompting new agricultural organizations.

For much of the early 1900s, agriculture was the leading industry in Tustin which allowed the area to flourish. The townsite's commercial core began to reflect the predominant role of agriculture. In support of agricultural operations, the area's irrigation systems were expanded and updated so it could service approximately 18,000 acres in and around Tustin. The water was diverted from the Santa Ana River through a series of ditch or channel systems. Between 1914 and 1915, growth was further bolstered by improvements made to the main state highway system that intersected the area, Highway 101. Located halfway between Los Angeles and San Diego, with the advent of the automobile Tustin benefited from increased traffic through the area. As a result, the commercial core of the town began to grow, and residential development increased after World War I. By 1923, the automobile had become the predominant method of transportation. As a result, the Southern Pacific Railroad ceased operations of its passenger service in Tustin. Freight service would continue to serve the area for another 40 years. On September 21, 1927, Tustin was incorporated with a population that exceeded 900. Tustin embraced its new direction as an autonomous new city with the drive for growth, only stunted by the Great Depression.

During the 1930s and early 1940s, Tustin experienced a number of issues that led to the eventual decline of the agricultural industry. The Great Depression created a lack of demand for agricultural products and as a result prices decreased. Fruits were often left to rot on trees because the price of picking and packaging produce outweighed any profit. Labor unrest in many parts of the country culminated with a massive strike in 1936, as Mexican and Mexican-American workers demanded better pay. Towards the end of the decade, matters worsened as the area experienced extreme weather conditions, resulting in severe flooding, crop and infrastructure damage, and loss of life. Although the agricultural industry was stunted, it did not stop entirely. Most of the area's residents were able to overcome the economic depression without long term effects. Those who managed to make it through the depression were impacted by yet another issue. During the 1940s, much of Southern California's citrus industry was devastated by the spread of the quick-decline disease. The virus, which was spread by melon aphids, decimated Tustin's citrus groves and the area never fully recovered. By the late 1940s, Tustin's status as a sparse bucolic agricultural community began to shift following World War II, to a suburban neighborhood.

Post-World War II ushered in an unprecedented era of residential construction throughout the United States. Much like the rest of the country, Tustin saw an increase in population and building activity. Returning servicemen flocked to Orange County in search of the American Dream. Developers bought up thousands of acres of agricultural lands that once defined the city and installed streets and infrastructure. Hundreds of single-family residences, coupled with multi-family and commercial-use properties, were constructed within a short span of time. The construction of the freeway system encouraged continued growth, each new mile opening up areas that were once relatively inaccessible. The Santa Ana Freeway (Interstate 5) traced its way south from Los Angeles reaching the area by 1955, alleviating increased congestion on old Highway 101. With

the completion of the Newport Freeway (now State Route 55) in 1963, Tustin was fully linked into the regional transportation system. The result was a complete transformation of the city's formerly rural character. Today, the population of Tustin exceeds 80,000 and development continues to this day.

COMMERCIAL DEVELOPMENT, 1946-1980

The commercial development of Tustin exploded following World War II, as building resumed, and the burgeoning economy led to increased opportunities for businesses.[2] While it was initially slow to start, the completion of the freeway system ignited commercial development and altered existing development patterns within the city. Traffic that once traveled through the heart of the city along Highway 101, was now bypassed with the establishment of Interstate 5 in the 1950s.[3] As a result, many of the small businesses that were established along the historic route were impacted and left isolated from potential customers. Some businesses relocated along major feeder streets, such as 1st Street, Irvine Boulevard, Newport Avenue, and Red Hill Avenue, while others stayed and updated the buildings main façade with larger windows, new cladding, and storefronts.

During the 1950s, new businesses that were established along major feeder streets were similar to the auto-oriented businesses that had once dominated along Highway 101.[4] Most of the commercial-use properties were stand-alone businesses of all kinds, that included tall over-the-top signage designed to attract passing drivers. Drive-through and drive-up restaurants, food stands and markets, became a common establishment during the 1950s, allowing customers to pick up orders without having to park. Commercial-use properties often exhibited simple restrained Late Moderne or Mid-Century Moderne characteristics, while others were constructed with dramatic structural elements, visible in Googie or New Formalist styles.[5] One notable example of an automobile oriented business in Tustin is the Googie-style Alta Dena Dairy (1062 Irvine Blvd., extant).

By the 1960s, as commercial construction accelerated to keep up with the increased residential development, commercial-use properties increased in value attracting further development. More commercial-use buildings were added to major transportation corridors and included office buildings, retail strips, service stations, and restaurants.[6] Large shopping centers often featured large integral parking lots and were typically visible at nearly every major intersection. The Claude T. Gilbreath Jamestown Village (462-566 El Camino Real, extant) is one of the first shopping centers that was established in Tustin. By 1965, there were at least three major shopping centers located in the area.

Into the contemporary period in the 1970s and 1980s, Tustin, Orange County, and the greater Southern California region experienced an uptick in development of suburban business parks and commercial office parks. A product of the country's post-WWII car culture that emerged in the decades prior, most of these office complexes were speculative for profit endeavors intended to house numerous tenants, both large 'anchor' companies and smaller sole-proprietor businesses offering goods or professional services. In this period, the city annexed surrounding lands to allow for the development of these commercial-use properties.

In addition to new commercial-use properties, the freeway system also encouraged different types of industries to establish themselves within the Tustin area. Major companies looking for larger properties at a

[2] City of Tustin, *Postwar Development of Tustin: 1946-1976* (CA: City of Tustin, 2021).
[3] Ibid.
[4] Ibid.
[5] Ibid.
[6] Ibid.

lower cost began moving into Orange County in anticipation of the freeway's completion. New industries established in Tustin included the aircraft industry and tourist industry. As larger industries flourished in the city, smaller companies followed, transforming Tustin into a city with some of the most diverse industries in the county. To control the increased development that occurred, the city established industrially zoned areas which were filled in with warehouses, distribution centers, manufacturing facilities, and office parks. For the first time since the area's agricultural development, Tustin was fully autonomous and offered its residents a variety of goods, services, and jobs. The development of additional business caused a need for more housing and thus the cycle continued.

ROBERT B. SMITH, INC.

Robert B. Smith, Inc. was a Southern California building company that was founded in 1958 by Richard B. Smith. [7] The company was known for its Broadmoor home developments throughout the Southern California region. Between the 1950s and 1980s, the company designed thousands of single-family and multi-family residences, and later commercial-use properties predominantly in the Newport Beach, Fullerton, Placentia, Irvine, San Clemente, San Diego, and Tustin areas. Over the years, the company partnered with Morris, Lohrbach & Associates, an Orange County based architectural firm founded in the 1960s, to design custom built model homes, sales offices, and office buildings.[8] Properties associated with the company were typically designed in the Ranch architectural style and emphasized shared outdoor green spaces and courtyards. For the company's contribution in the building industry, Smith was honored with the "Spirit of Life" award from the Construction Industries Alliance in 1978, Professional Builder Magazine's "National Builder of the Year" in 1979, and was inducted into the Home Builders Hall of Fame in 1983. In addition to his many accolades, Smith received a letter of recognition for his "outstanding contribution" to the building industry and community from President's Gerald R. Ford and Ronald Reagan.[9] In 1973, Smith sold Broadmoor Homes to the Genstar Development Company of Montreal, Canada, but the company continued under his management until he retired in 1981.[10] The Turtle Rock Broadmoor Homes development in Irvine is the company's most recognized residential development.[11] Today, the company is regarded as one of Orange County's most important residential building firms.

See **Table 2** on the following page for a partial list of properties attributed to the Robert B. Smith, Inc. building company.

[7] "Broadmoor Has Best Year in Firm's History," *Los Angele Times,* July 20, 1975.
[8] City of Hope, "A Testimonial Honoring Richard B. Smith." (Ca: Construction Industries Alliance, 1998).
[9] Ibid.
[10] Ibid.
[11] "Residential Groundbreaking," *Tustin News,* February 8, 1968.; *Los Angeles Times,* August 10, 1069.

Table 2. Identified Properties Attributed to the Robert B. Smith, Inc.

Date	Name	Address	Source	Extant
1962	Broadmoor Homes Red Hill	Tustin, CA	*Los Angeles Times,* January 7, 1962	Not Identified
1963	Broadmoor Park Homes	1205 E. 1st Street Tustin, CA.	*City of Tustin, Citywide Historic Resources Survey Update Report,* 2021	Extant
1964	Broadmoor Homes Cowan Heights	Cowan Heights, North Tustin, CA.	*Tustin News,* March 5, 1964	Extant
1966	Broadmoor Harbor View	Newport Beach, CA.	*Los Angeles Times,* December 18, 1966	Not Identified
1969	Broadmoor Homes Turtle Rock	Irvine Village of Turtle Rock Irvine, CA.	*Los Angeles Times,* August 10, 1969	Extant
1970	Broadmoor View Homes	Niguel Shores, CA	*Los Angeles Times,* April 19, 1970	Extant
1971-1972	Broadmoor Square West / East, Commercial	17802-17842 Irvine Blvd. Tustin, CA.	Building Permits	Extant
1972	Broadmoor Square, Commercial	Not Identified	*Los Angeles Times,* April 30, 1972	Not Identified
1973	Broadmoor Homes Big Canyon	Big Canyon Newport Beach, CA.	*Los Angeles Times,* February 11, 1973	Extant
1973	Broadmoor Townhomes Placentia	1218 Moro Circle Placentia, CA.	*Long Beach Independent,* August 19, 1973	Extant

MORRIS, LOHRBACH & ASSOCIATES

Morris, Lohrbach & Associates operated between 1962 and the early 1980s and was one of the largest and most well-respected architectural firms working with developers during the 1970s. The partners, Frank D. Morris, AIA (1935- 2006) and Edward D. Lohrbach (born c. 1936) established the firm in 1962. They quickly became specialists in land planning and architectural development. Ventura Keys, constructed between 1964 and 1969 in Ventura, was one of their first projects. Throughout the 1960s and 1970s, the firm worked with Southern California's leading developers on single-family residences, apartments, and condominiums. Their designs earned Gold Nugget awards for developer housing throughout the 1970s. Morris, Lohrbach & Associates was the frequent architectural partner to Richard B. Smith, Inc. for his Broadmoor home developments; they built 5,000 homes together by 1977. Morris, Lohrbach & Associates preliminary period of significance is 1964, when they designed the Broadmoor Homes Cove and Heights development in North Tustin and the Ventura Keys project in Ventura, through ca. 1972 when they contributed designs for the Ponderosa Homes project in Irvine, which received the 'Grand Award' from Pacific Coast Builders. Ponderosa Homes was a building subsidiary of Kaiser / Aetna and was sold in 1985.[12]

See **Table 3** on the following page for a partial list of properties attributed to Morris, Lohrbach & Associates.

[12] City of Buenaventura, *Revised Draft for Historic Preservation Committee Review* (CA: City of Buenaventura Community Development, 2022).

Table 3. Identified Properties Attributed to Morris, Lohrbach & Associates

Date	Name	Address	Source	Extant
1964	Broadmoor Homes Cowan Heights	Cowan Heights, North Tustin, CA.	*Tustin News,* August 23, 1963	Extant
1964	Ventura Keys	Ventura, CA.	City of San Buenaventura, *Historic Context Statement,* March 2022	Extant
1966	Temelec West	Near Sonoma	*Press Democrat,* September 11, 1966	Not Identified
1968	Peacock Hill	Orange County, CA.	*Los Angeles Times,* July 28, 1968	Not Identified
1969	Broadmoor Homes Turtle Rock	Irvine Village of Turtle Rock Irvine, CA.	*Los Angeles Times,* August 10, 1969	Extant
1969	El Paseo Real Commercial Office Bldg.	San Juan Capistrano, CA.	*Los Angeles Times,* February 15, 1969	Extant
1969	Redwood Estates	Escondido, CA.	*Times-Advocate,* March 16, 1969	Not Identified
1970	Broadmoor View Homes	Niguel Shores, CA	*Los Angeles Times,* April 19, 1970	Extant
1970	Patrician Villa Park Hillside Homes	Orange, CA.	*Los Angeles Times,* March 1, 1970	Extant
1971	Patrician Homes	18491 Durfee Lane Villa Park, CA.	*Los Angeles Times,* April 25, 1971	Extant
1971	Big Canyon Country Club Homes	Newport Beach, CA.	*Los Angeles Times,* June 27, 1971	Extant
1971	Kaiser Aetna Office Bldg.	Newport Beach, CA.	*Los Angeles Times,* February 28, 1971	Not Identified
1971-1972	Broadmoor Square West / East; Commercial	17802-17842 Irvine Blvd. Tustin, CA.	Building Permits	Extant
1972	Ponderosa Homes	Irvine, CA.	*Los Angeles Times,* June 4, 1972	Not Identified
1973	Broadmoor Homes Big Canyon	Big Canyon Newport Beach, CA.	*Los Angeles Times,* February 11, 1973	Extant
1977	Sweetwater Terrace	San Diego, CA.	*Santa Ana Register,* February 20, 1977	Not Identified
1978	Niguel Woods	Laguna Niguel	*Los Angeles,* June 10 1978	Not Identified

PROPERTY OWNERSHIP HISTORY

Property ownership history was identified through historical research and building permits. Between 1970 and 1987, the property was under the ownership of Robert B. Smith, a developer and building contractor who founded Robert B. Smith, Inc. and Broadmoor Homes in the late 1950s.[13] Smith was born in 1922 in Seattle, Washington but spent much of his childhood in Southern California.[14] He attended Dartmouth College in Hanover, New Hampshire and earned his degree in business from the University of Washington.[15] During World War II, he served as a commissioned officer in the United States Naval Air Corps where he trained as a flight instructor and as an observation scouting pilot. In 1958, Smith founded Robert B. Smith, Inc. and Broadmoor Homes, and managed the construction of several developments including single-family, multi-family and commercial-use properties throughout the Southern California region. The most recognized residential development associated with Smith was the Turtle Rock Broadmoor homes development in Irvine, California. In 1998, Smith died at the age of 76 in Newport Beach.[16]

Property ownership was not identified between 1988 and 1993.

In 1994, the property was under the ownership of Edward Price Evans.[17] Born in 1950 in Los Angeles, California, Evans was the son of LaVerne Elbert Evans of Montana, and Mildred Jean Evans.[18] In May of 1970, he married Melissa C. Paulson of Los Angeles.[19] No further information was identified on Edward P. Evans. The subject property remained under his ownership until 1995 when it was acquired by Fedosh D. Nankani and his wife Denise, of Mission Viejo.[20]

Mr. Nankani was born in 1947 in Peshawar, India.[21] During the 1970s, he immigrated to the United States where he settled in Yakima, Washington.[22] In 1985, he married Denise L. Dyck in Benton, Washington.[23] In 1995, the couple relocated to California where they settled in Orange County.[24]

Between 1996 and 1999, property ownership was not identified.

In 1999, the property was acquired by the Tustin Business Center, a local real estate investment group that appears to have owned several commercial-use properties in the City of Tustin.[25] The subject property continues under the Tustin Business Center's ownership to this day.

See **Table 4** below for partial property ownership history.

[13] Building Permits
[14] "Broadmoor Homes Richard Smith Dies," *Los Angeles Times,* July 16, 1998.
[15] City of Hope, "A Testimonial Honoring Richard B. Smith." (Ca: Construction Industries Alliance, 1998).
[16] "Broadmoor Homes Richard Smith Dies," *Los Angeles Times,* July 16, 1998.
[17] Parcel Quest Document No. 1994.548838.
[18] *Daily Spectrum,* February 16, 2017.
[19] Ancestry.com. *California, U.S., Marriage Index, 1960-1985* [database on-line]. Provo, UT, USA: Ancestry.com Operations Inc, 2007.
[20] Parcel Quest Document No. 1995.135441.
[21] The National Archives at Seattle; Seattle, Washington; ARC Title: *Petitions For Naturalization, 1892-1991*; NAI Number: *619209*; Record Group Title: *Records of District Courts of the United States, 1685 - 2009*; Record Group Number: *21.*
[22] Ibid.
[23] Washington State Archives; Olympia, Washington; *Washington, Marriage Records, CE303-2-0-71*
[24] Ancestry.com. *U.S., Public Records Index, 1950-1993, Volume 1* [database on-line]. Lehi, UT, USA: Ancestry.com Operations, Inc., 2010.
[25] *Tustin News*, February 18, 1999.; "Tustin Business Center: 14712 Franklin Ave," *Tustin News,* August 24, 1989.

Table 4. Partial Property Ownership History

Date	Owner	Source
1970-1987	Robert B. Smith, Inc. and Broadmoor Square West, limited partnership	Building Permits
1994-1995	Edward Price Evans	Building Permits *Parcel Quest*
1995	Fedosh D. Nankani and Denise L. Nankani	*Parcel Quest*
1999-present	Tustin Business Center, LP	Building Permits Orange County Assessor's Office *Tustin News*

B10. Significance (Continued from page 2):

LOCAL REGISTER ELIGIBILITY REVIEW

Local Register Criterion 1: It exemplifies or reflects special elements of the City's cultural, architectural, aesthetic, social, economic, political, artistic, engineering and or architectural heritage.

The 17802-17842 Irvine Boulevard property is not eligible under Criterion 1 as it does not exemplify or reflect special elements of the city's history. The buildings were constructed at a time when the City of Tustin was transitioning from a primarily agricultural community to a suburban development. During the 1950s, the area experienced increased residential, commercial, and industrial development to accommodate the population boom that occurred following World War II. Developers bought up prime agricultural lands, which were then replaced by subdivisions and commercial developments. The construction of the freeway system further stimulated the area's growth.

Although the subject buildings were constructed during the early suburbanization of the city, no specific, information was identified to indicate that the property, in and of itself, exemplifies or represents a special element of Tustin or California's history. The subject property is one of many commercial-use properties constructed in the area between the 1950s and 1970s. For this reason, Urbana determined the property is not individually eligible under Criterion 1.

Local Register Criterion 2: It is identified with persons, a business use or events significant in local, state, or national history.

Research does not indicate that the subject property qualifies for designation under Criterion 2. The property was constructed by Robert B. Smith, a building developer who managed the construction of numerous residential and commercial developments between the late 1950s and early 1980s. Born in 1922, Smith was a graduate of Dartmouth College and of the University of Washington. He was a veteran of World War II, serving in the Naval Air Corp as a commissioned officer. Following the war, he went into the building industry, establishing the Robert B. Smith, Inc. and Broadmoor Homes residential developments. Through the company, he managed the construction of several single-family housing developments, including multi-family and commercial-use properties throughout the Southern California region. The company's most recognized residential development was the Turtle Rock Broadmoor homes development in Irvine, California. For his contributions in the building industry, Smith was honored with several awards, including two letters of recognition from President Gerald R. Ford and Ronald Reagan. In 1970, Smith acquired the subject property and his building company constructed two commercial office buildings. The property was retained as an investment property and housed numerous tenants over the years that offered goods or professional services. In 1973, Smith sold the Broadmoor Homes to the Genstar Development Company, but the company continued under his management until he retired in 1981. In 1998, Smith died at the age of 76 in Newport Beach.

Smith appears to merit recognition as an important local figure for his contributions in the building industry, however, the subject property is not directly associated with Mr. Smith as an individual. Additionally property is not a representative example of the company's work. For this reason, the property was not found eligible under Criterion 2.

Local Register Criterion 3: It embodies distinctive characteristics of style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftmanship.

Under Criterion 3, the 17802-17842 Irvine Boulevard buildings do not possess high artistic values, nor do they appear to rise to the level beyond the ordinary. The subject property consists of two modest identically designed L-shaped buildings set in a symmetrical plan, with minimal detail throughout. The buildings are considered a basic off-the-shelf business plaza, that was intended to be affordable and easily constructed. Although minimal alterations have been made to exterior of the buildings, the buildings are not considered rare or innovative, nor do the buildings embody or possess distinctive characteristics of a significant style, period, or method of construction. For this reason, Urbana determined that the subject property is not eligible under Criterion 3.

Local Register Criterion 4: It is representative of the notable work of a builder, designer, or architect.

Under Criterion 4, the subject property is not a representative of the work of a notable builder, designer, or architect. The property was designed by Morris, Lohrbach & Associates and was commissioned and constructed by Robert B. Smith, Inc. Both firms received accolades for their work in residential construction, particularly for the development of comprehensively constructed residential tracts. The firms frequently collaborated. Many of their residential developments featured large single-family housing constructed in the Ranch and Contemporary styles. Several of these developments received professional awards and recognition from the building industry. Both firms may be asserted as Notable / Masters, however, the subject property is not a notable example of either firm's work.

Under the ownership and management of Mr. Robert B. Smith, Robert B. Smith, Inc. operated between 1958 and 1973 when it was acquired by Genstar Development. Mr. Smith remained on to support the company's management until 1981. The period of significance preliminarily identified for Robert B. Smith, Inc. as a Notable / Master Builder is 1958, when the firm was established, through 1969, when it completed the Turtle Rock development in Irvine – the largest and most widely cited example of the company's residential work.

Morris, Lohrbach & Associates operated between 1962 and the early 1980s and was one of the largest and most well-respected architectural firms working with developers during the 1970s. The partners, Frank D. Morris, AIA (1935- 2006) and Edward D. Lohrbach (born c. 1936) established the firm in 1962. They quickly became specialists in land planning and architectural development. Ventura Keys, constructed between 1964 and 1969 in Ventura, was one of their first projects. Throughout the 1960s and 1970s, the firm worked with Southern California's leading developers on single-family residences, apartments, and condominiums. Their designs earned Gold Nugget awards for developer housing throughout the 1970s. Morris, Lohrbach & Associates was the frequent architectural partner to Richard B. Smith, Inc. for his Broadmoor home developments; they built 5,000 homes together by 1977. Morris, Lohrbach & Associates preliminary period of significance is 1964, when they designed the Broadmoor Homes Cove and Heights development in North Tustin and the Ventura Keys project in Ventura, through ca. 1972 when they contributed designs for the Ponderosa Homes project in Irvine, which received the 'Grand Award' from Pacific Coast Builders. Ponderosa Homes was a building subsidiary of Kaiser / Aetna and was sold in 1985.

Both firms excelled in residential design and construction. The subject property was constructed in 1971-1972 by Robert B. Smith Inc. and was one of numerous commercial / business plazas built in the Orange County region in the contemporary period, including in Tustin along Irvine Boulevard. At that time, the road was rezoned to accommodate business and commercial uses being a main thoroughfare with convenient highway access. The building falls outside the significance parameters of both firms, having been constructed outside or at the end of the period of significance of each firm and because it is a simple two-story wood frame business use building (rather than a residential tract) without innovative design details or characteristics, and is regarded as an 'off the shelf' unoriginal design. The building does not adequately represent the notable

work of Robert B. Smith Inc. or of Morris, Lohrbach & Associates. It is not opined eligible under Local Register Criterion 4.

Local Register Criterion 5: Its unique location or singular physical characteristic represents an established and familiar visual feature of a neighborhood, community or the City.

Although the subject buildings are sited along a major feeder street, a common characteristic of a post-World War II commercial-use property, the buildings do not have a unique location or singular physical characteristic representing an established or familiar visual features of the neighborhood, community, or the City. Therefore, the property is not eligible under Local Register 5.

Local Register Criterion 6: Its integrity as a natural environment or feature strongly contributes to the wellbeing of residents of the City or the wellbeing of a neighborhood within the City.

The property consists of two commercial office buildings that do not play an integral part of the natural environment and do not contribute to the wellbeing of residents of the City or the neighborhood. Therefore, the subject buildings are not eligible under Criterion 6.

Local Register Criterion 7: It is a geographically definable area possessing a concentration or continuity of site, buildings, structures or objects as unified by past events or aesthetically by plan or physical development.

The property is not a geographically definable area that is unified by past events. Additionally, the property is not located within the boundaries of a registered historic district. Therefore, the property is not eligible under Local Register 7.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES (CRHR) ELIGIBILTY REVIEW

CRHR Criterion 1: Association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.

This is the same as Local Register Criterion 1. Urbana determined the property is not individually eligible under Criterion 1. Research does not indicate that the subject buildings exemplify or represent a special element of the City of Tustin. It is one of many commercial-use properties that were constructed post-WWII in the contemporary period when business plazas were constructed throughout the region. For this reason, Urbana determined the property is not individually eligible under Criterion 1.

CRHR Criterion 2: Association with the lives of persons important in California's past.

This is the same as Local Register Criterion 2. Research does not indicate that the subject property qualifies for designation under Criterion 2 as it has not been directly associated with the lives and persons important to California's past. Therefore, the property is not individually eligible under Criterion 2.

CRHR Criterion 3: Embodies the distinctive characteristics of a type, period, or method of construction, or represent the work of an important creative individual or possess high artistic values.

This is the same as Local Register Criterion 3 and 4. The property was designed by Morris, Lohrbach & Associates and was commissioned and constructed by Robert B. Smith, Inc. Both firms received accolades for their work in residential construction, particularly for the development of comprehensively constructed residential tracts. The firms frequently collaborated. Many of their residential developments featured large single-family housing constructed in the Ranch and Contemporary styles. Several of these developments received professional awards and recognition from the building industry. Both firms may be asserted as Notable / Masters, however, the subject property is not a notable example of either firm's work.

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CRHR Criterion 4: Potential to yield information important in prehistory or history.

Research and analysis of the subject property has not yielded information important in local, regional, state, or national history. The property is not eligible under Criterion 4.

Integrity

Integrity is the ability to physically convey significance. Evaluation of integrity must always be grounded in an understanding of a resource's physical features and how they relate to its significance. To retain historic integrity, a resource will possess several, and usually most of the following seven aspects of integrity: location, materials, design, setting, workmanship, feeling, and association. If it is determined that a resource is eligible for designation because it meets one or more of the adopted designation criteria, the integrity of the resource must be evaluated. Integrity is the ability to convey its significance. Only after the historic significance of the resource is fully established can the issue of integrity be addressed.

The 17802-17842 Irvine Boulevard property has not been found by Urbana to be individually eligible for designation under any of the Local Register or CRHR criteria. Further integrity analysis is not merited.

***B12. References (Continued from page 2):**

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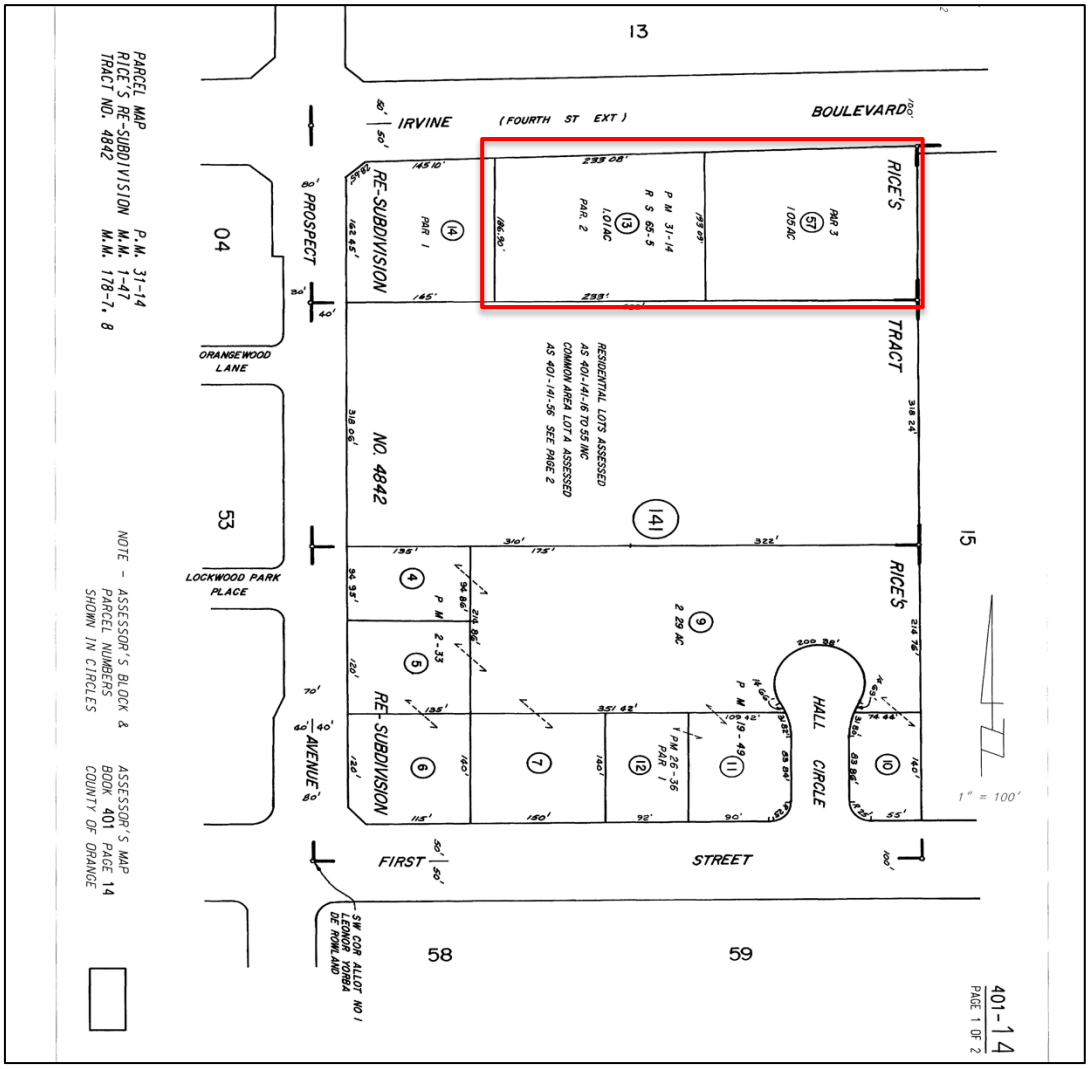
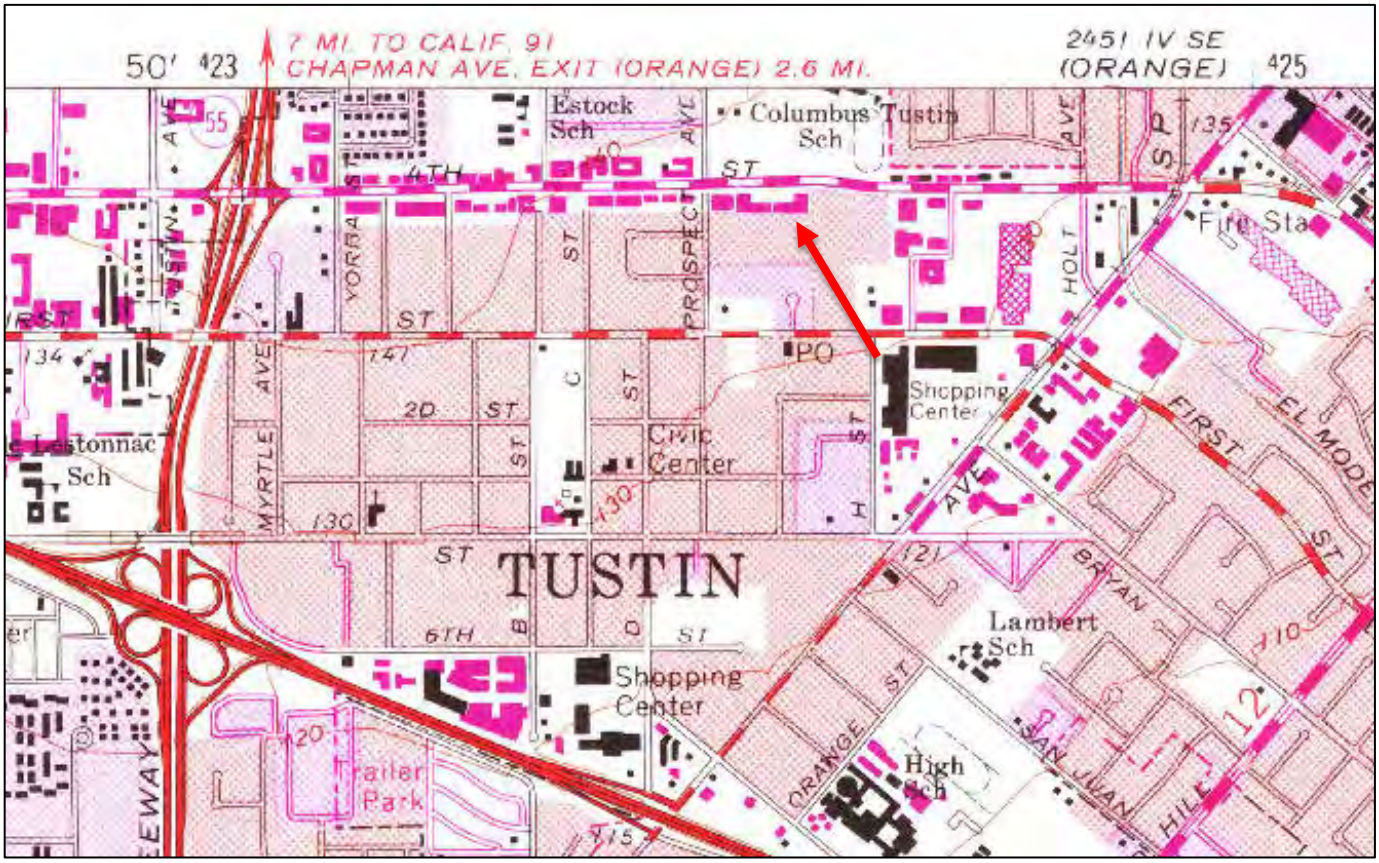


The subject buildings are located on two parcels identified as Orange County Assessor's Parcel No. 401-141-13 and 401-141-57.
Source: March 1970 Rice's Re-subdivision, Assessor's Map Book 401-14, County of Orange Assessor's Office.



The structures are first delineated on the 1982 update of the 1965 Tustin Quad map.
Source: 1982 edition of the 1965 Tustin USGS Quadrangle map (1:24,000).

Historic Aerials



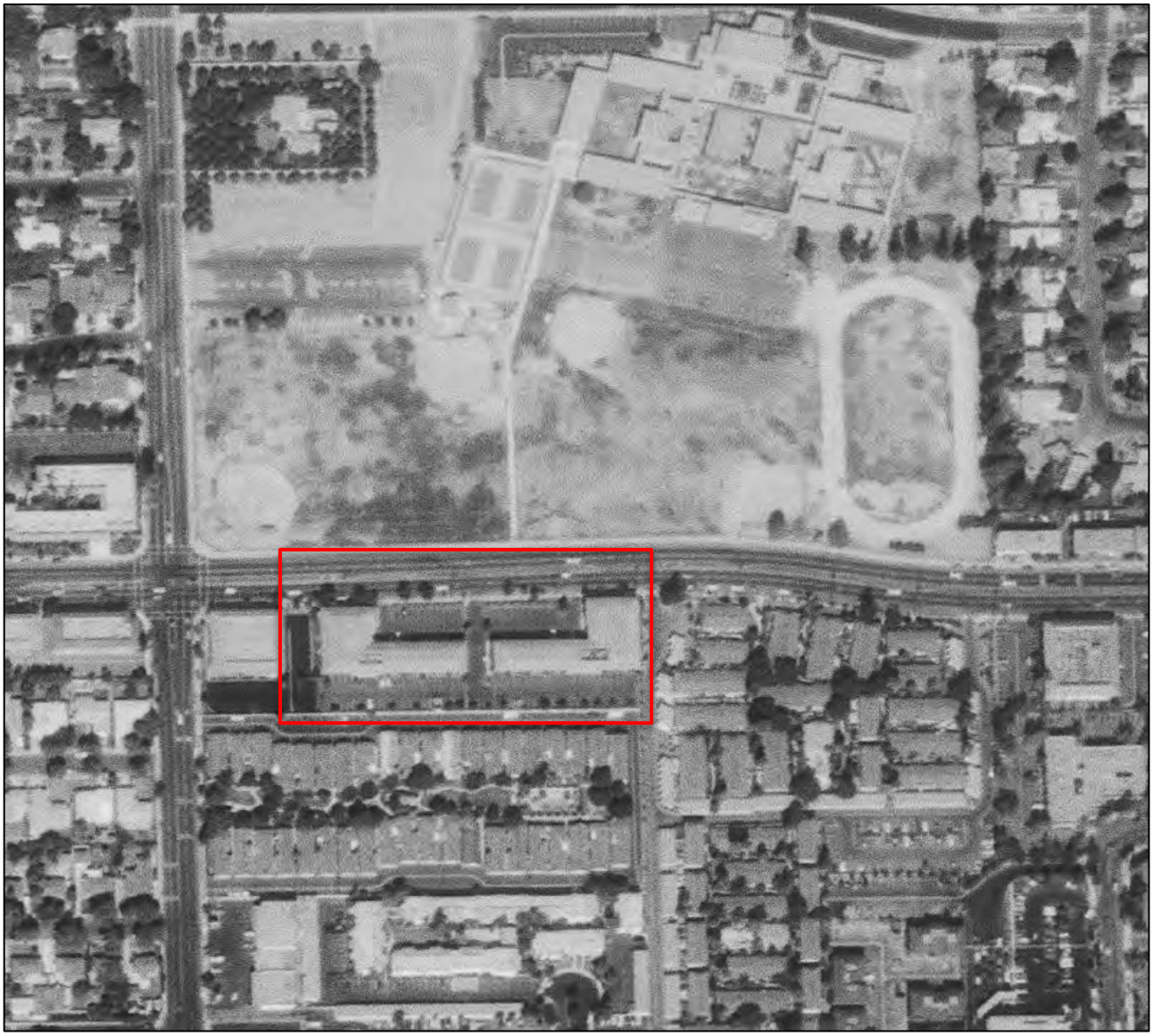
1947 aerial of the subject property and surrounding area. No structures are visible on the parcel. Citrus groves were once planted on the property.
Source: Frame Finder, UC Santa Barbara Library.



1968 aerial of the evaluated property and surrounding area. No structures are visible on the property.
Source: Frame Finder, UC Santa Barbara Library.



1972 aerial of the subject property and the surrounding area. The buildings are first visible in aerial photography.
Source: HistoricAerials.com

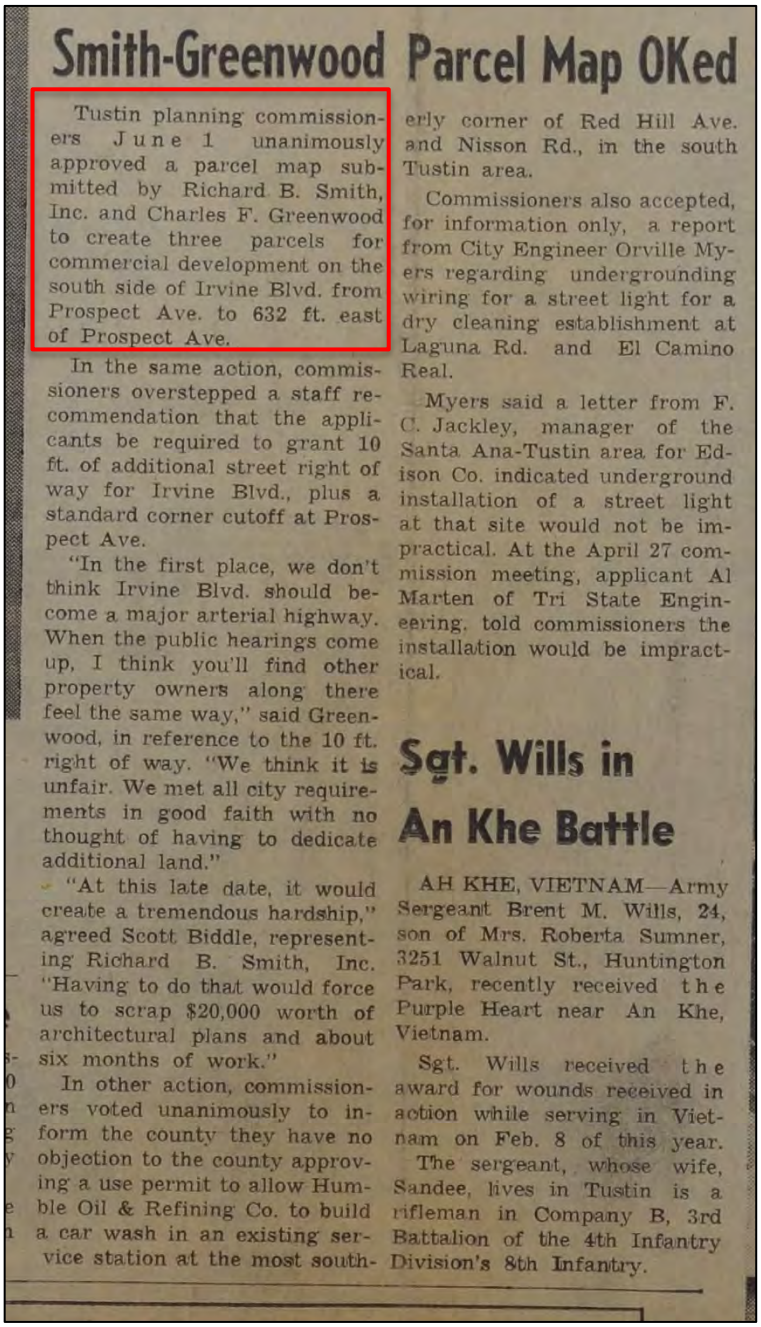


1980 aerial of the evaluated property and the surrounding area.
Source: Frame Finder, UC Santa Barbara Library.



2022 aerial of the evaluated property and the surrounding area. The buildings continue to retain their original footprint and minimal alterations have been made to the exterior.
Source: Frame Finder, UC Santa Barbara Library.

Newspaper and Genealogical Database Search Results for Owners and Occupant



Smith-Greenwood Parcel Map OKed

Tustin planning commissioners June 1 unanimously approved a parcel map submitted by Richard B. Smith, Inc. and Charles F. Greenwood to create three parcels for commercial development on the south side of Irvine Blvd. from Prospect Ave. to 632 ft. east of Prospect Ave.

In the same action, commissioners overstepped a staff recommendation that the applicants be required to grant 10 ft. of additional street right of way for Irvine Blvd., plus a standard corner cutoff at Prospect Ave.

"In the first place, we don't think Irvine Blvd. should become a major arterial highway. When the public hearings come up, I think you'll find other property owners along there feel the same way," said Greenwood, in reference to the 10 ft. right of way. "We think it is unfair. We met all city requirements in good faith with no thought of having to dedicate additional land."

"At this late date, it would create a tremendous hardship," agreed Scott Biddle, representing Richard B. Smith, Inc. "Having to do that would force us to scrap $20,000 worth of architectural plans and about six months of work."

In other action, commissioners voted unanimously to inform the county they have no objection to the county approving a use permit to allow Humble Oil & Refining Co. to build a car wash in an existing service station at the most southerly corner of Red Hill Ave. and Nisson Rd., in the south Tustin area.

Commissioners also accepted, for information only, a report from City Engineer Orville Myers regarding undergrounding wiring for a street light for a dry cleaning establishment at Laguna Rd. and El Camino Real.

Myers said a letter from F. C. Jackley, manager of the Santa Ana-Tustin area for Edison Co. indicated underground installation of a street light at that site would not be impractical. At the April 27 commission meeting, applicant Al Marten of Tri State Engineering, told commissioners the installation would be impractical.

Sgt. Wills in An Khe Battle

AH KHE, VIETNAM—Army Sergeant Brent M. Wills, 24, son of Mrs. Roberta Sumner, 3251 Walnut St., Huntington Park, recently received the Purple Heart near An Khe, Vietnam.

Sgt. Wills received the award for wounds received in action while serving in Vietnam on Feb. 8 of this year.

The sergeant, whose wife, Sandee, lives in Tustin is a rifleman in Company B, 3rd Battalion of the 4th Infantry Division's 8th Infantry.

In 1970, Richard B. Smith, Inc. applied for a permit to constructed two commercial office buildings, south of Irvine Boulevard and east of Prospect Avenue. The 17802 building was constructed first in 1971 and the 17842 building was constructed in 1972. Charles F. Greenwood was employed by Richard B. Smith, Inc., who also operated Charles Greenwood and Son, Inc, a building management company.
Source: *Tustin News,* June 11, 1970.



Office Complex in Second Phase

TUSTIN — Construction is under way on the second phase of the Broadmoor Square office complex at 17842 Irvine Blvd.

The two-story structure will have 22,800 square feet of floor space. Richard B. Smith, Inc. and Charles F. Greenwood & Son are codevelopers.

Construction of the 17842 building commenced in 1972.



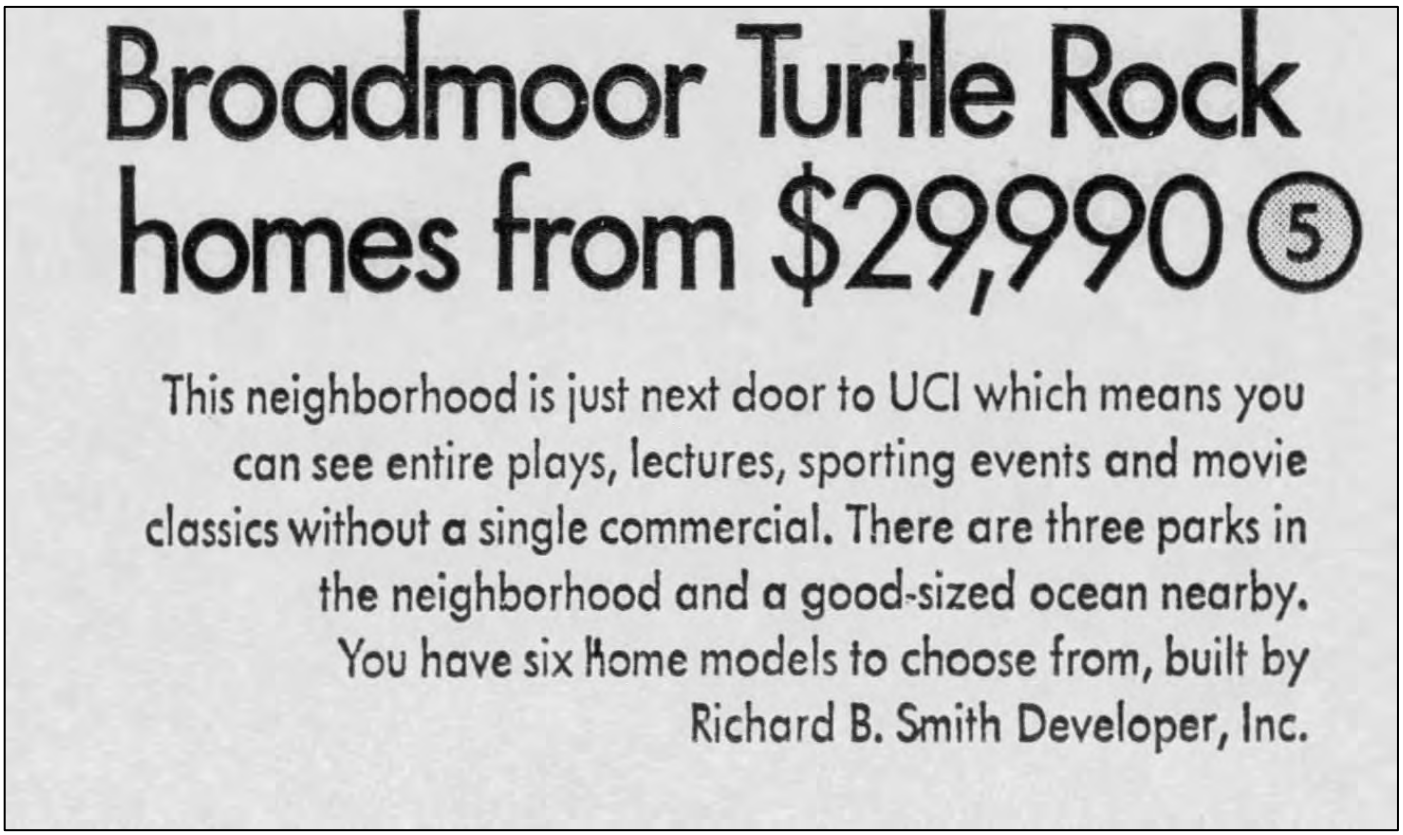
Residential Ground-breaking

Ground-breaking ceremonies are slated for this month at Broadmoor Turtle Rock, on Irvine Ranch, it was announced by a spokesman for the builder Richard B. Smith, Inc. The Smith firm will be remembered for its national award winning Broadmoor Elegante' in Tustin and Broadmoor Harbor View Homes in Corona del Mar.

The Turtle Rock Broadmoor site will eventually have more than 300 single-family homes, priced from $27,000 to $32,000. Five models are scheduled to open in May, with new owners expected to take possession of the first 86 units in June.

Turtle Rock is located northeast of the University of California at Irvine; access is from Campus Drive, east of Culver Road.

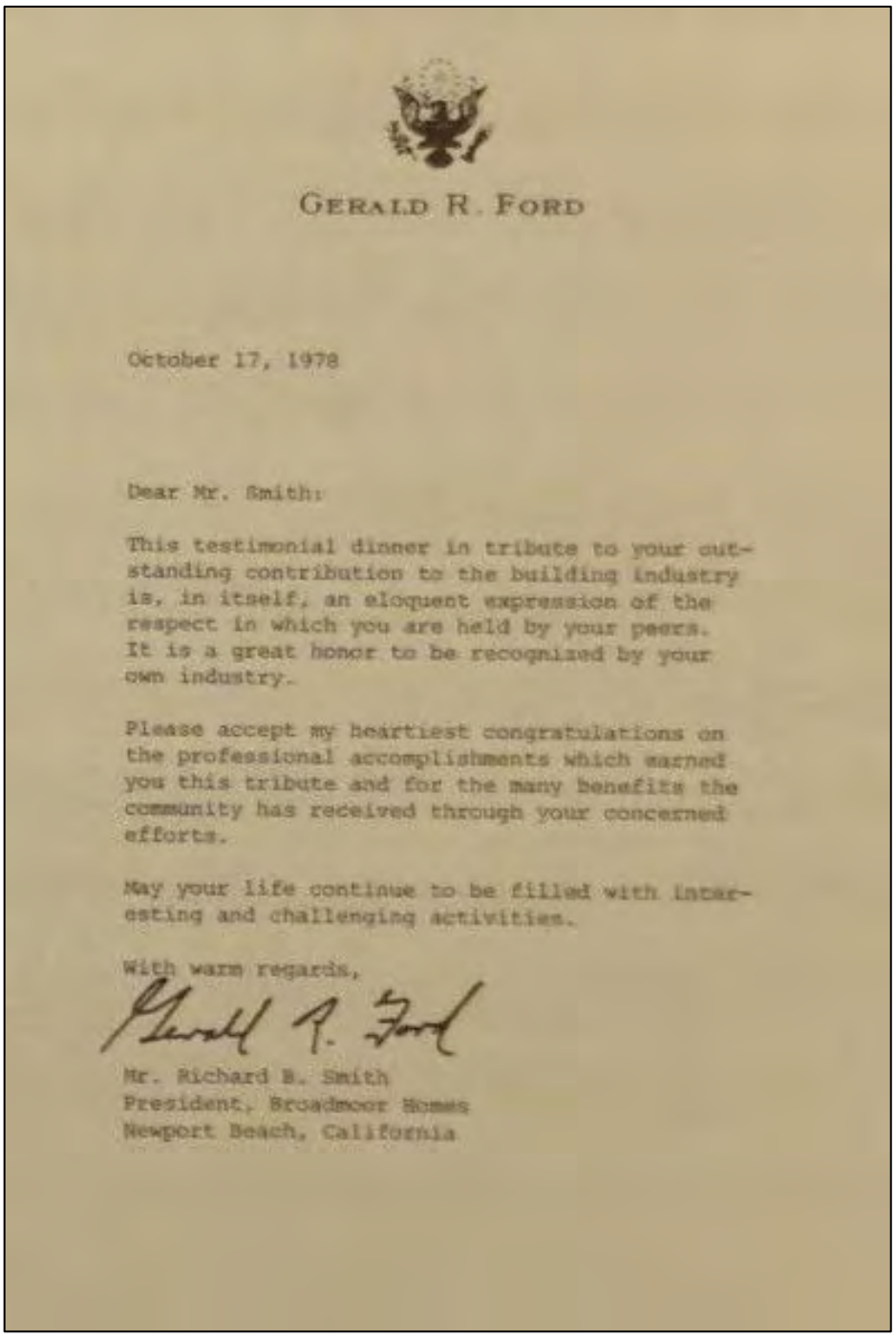
Richard B. Smith was a building contractor and developer who was instrumental in the post-WWII development that occurred throughout Southern California. Between the 1950s and 1980s, he managed the construction of several residential development, including some commercial business plazas, primarily in the Orange County area. His company's most notable residential development was Turtle Rock Broadmoor in Irvine, California. Over the years, Smith and his company were honored with several awards, including receiving letters of recognition from President Gerald Ford and Ronald Reagan.
Source: *Tustin News,* February 8, 1968.



Broadmoor Turtle Rock
homes from $29,990 (5)

This neighborhood is just next door to UCI which means you can see entire plays, lectures, sporting events and movie classics without a single commercial. There are three parks in the neighborhood and a good-sized ocean nearby. You have six home models to choose from, built by Richard B. Smith Developer, Inc.

Source: *Los Angeles Times,* August 10, 1969.



GERALD R. FORD

October 17, 1978

Dear Mr. Smith:

This testimonial dinner in tribute to your outstanding contribution to the building industry is, in itself, an eloquent expression of the respect in which you are held by your peers. It is a great honor to be recognized by your own industry.

Please accept my heartiest congratulations on the professional accomplishments which earned you this tribute and for the many benefits the community has received through your concerned efforts.

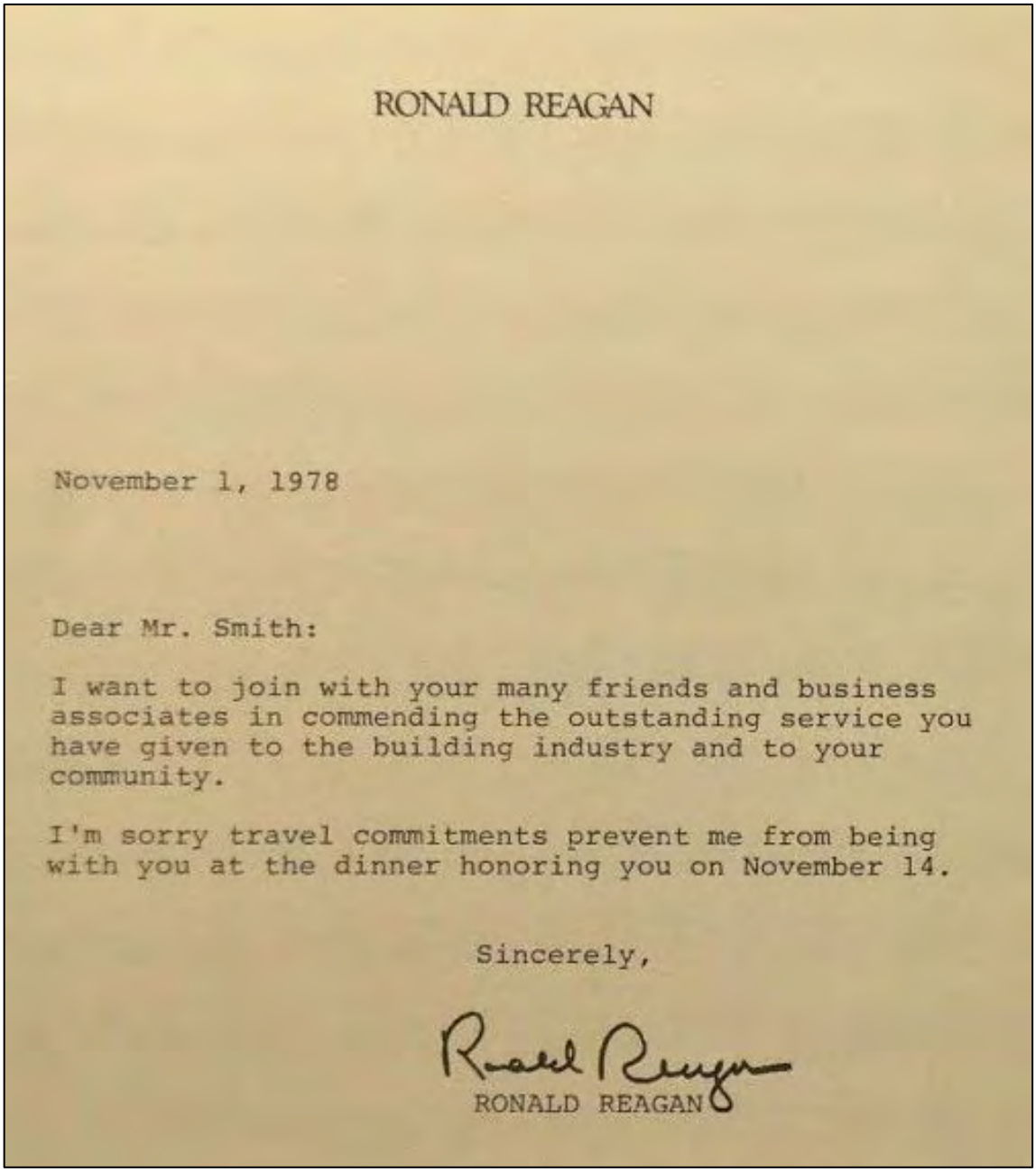
May your life continue to be filled with interesting and challenging activities.

With warm regards,

Gerald R. Ford

Mr. Richard B. Smith
President, Broadmoor Homes
Newport Beach, California

Source: City of Hope, *A Testimonial Honoring Richard B. Smith* (CA: Construction Industries Alliance, 1998).



RONALD REAGAN

November 1, 1978

Dear Mr. Smith:

I want to join with your many friends and business associates in commending the outstanding service you have given to the building industry and to your community.

I'm sorry travel commitments prevent me from being with you at the dinner honoring you on November 14.

Sincerely,

Ronald Reagan

RONALD REAGAN

Source: City of Hope, *A Testimonial Honoring Richard B. Smith* (CA: Construction Industries Alliance, 1998).

Appendix D: Geotechnical and Infiltration Evaluation

GEOTECHNICAL AND INFILTRATION EVALUATION
PROPOSED 40 UNIT RESIDENTIAL DEVELOPMENT
17802 IRVINE BOULEVARD
TUSTIN, ORANGE COUNTY, CALIFORNIA

PREPARED FOR

INTRACORP SW, LLC
895 DOVE STREET, SUITE 400
NEWPORT BEACH, CALIFORNIA 92882

PREPARED BY

GEOTEK, INC.
1548 NORTH MAPLE STREET
NEWPORT BEACH, CALIFORNIA 92878

PROJECT NO. 2901-CR **OCTOBER 20, 2021**

GEOTEK

GeoTek, Inc.
1548 North Maple Street, Corona, California 92878
(951) 710-1160 Office (951) 710-1167 Fax www.geotekusa.com

October 20, 2021
Project No. 2901-CR

Intracorp SW, LLC
895 Dove Street, Suite 400
Newport Beach, California 92882

Attention: Ms. Emile Simard, Project Manager

Subject: Geotechnical and Infiltration Evaluation
Proposed 40 Unit Residential Development
APN 402-191-03
17802 Irvine Boulevard
Tustin, Orange County, California

Dear Ms. Simard:

GeoTek, Inc. (GeoTek) is pleased to provide the results of this geotechnical and infiltration evaluation for the proposed project located in Tustin, Orange County, California. This report presents the results of GeoTek's evaluation, discussion of findings, and provides geotechnical recommendations for foundation design and construction.

Based upon review and evaluation, site development appears feasible from a geotechnical viewpoint provided that the recommendations included in this report are incorporated into the design and construction phases of the project.

The opportunity to be of service is sincerely appreciated. If you should have any questions, please do not hesitate to contact GeoTek.

Respectfully submitted,
GeoTek, Inc.





Bruce A. Hick
GE 2244, Exp. 12/31/22
Geotechnical Engineer

Edward H. LaMont
CEG 1892, Exp. 07/31/22
Principal Geologist

Distribution: (1) Addressee via email (one PDF file)

G:\Projects\2851 to 2900\2901CR Intracorp SW, LLC 2020 East 1st St Tustin\Geotechnical and Infiltration Evaluation\2901CR Geotechnical and Infiltration Evaluation 17802 Irvine Boulevard.doc

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Figure 2 – Exploration Location Map

Appendix A – Log of Exploratory Borings
Appendix B – Results of Laboratory Testing
Appendix C – Percolation Data & Porchet Calculations
Appendix D – General Earthwork Grading Guidelines

1. PURPOSE AND SCOPE OF SERVICES

The purpose of this study was to evaluate the geotechnical engineering and geologic conditions at the project site, as outlined in GeoTek's proposal P-0902521-CR, dated September 13, 2021. Services provided for this study included the following:

- Research and review of available geologic data and general information pertinent to the site,
- Site exploration consisting of the excavation, logging, and sampling of five (5) exploratory test borings extending to depths ranging from about 21.0 to 27.0 feet below grade,
- Excavation of two (2) additional borings to depths of about 5 feet below grade and performing an infiltration test in each boring,
- Laboratory testing of soil samples collected during the field investigation,
- Review and evaluation of site seismicity, and
- Preparation of this geotechnical report which presents GeoTek's findings, conclusions, and recommendations for this site.

2. SITE DESCRIPTION AND PROPOSED DEVELOPMENT

2.1 SITE DESCRIPTION

The approximate 2.1-acre rectangular-shaped project site is located on the south side of Irvine Boulevard, east of Prospect Avenue, and is referenced by the street addresses of 17802 and 17842 Irvine Boulevard, Tustin, Orange County, California. The site is also referenced as Assessor's Parcel Numbers (APN's) 401-141-13 and 401-141-57. The site is currently developed with two (2) "L"-shaped two-story office/commercial buildings in the central portion of the site with asphalt surface parking areas and access lanes in the surrounding the buildings, which will all be razed. The site is situated within a mixed used development area (commercial, recreation, single-family and multi-family).

Topographically, the site slopes gently downward to the north towards Tustin Boulevard with less than five feet of elevation differential across the property. It is anticipated that numerous utility lines exist within the property.

2.2 PROJECT DESCRIPTION

According to the Illustrative Site Plan, prepared by Bassenian | Lagoni Architecture, dated September 8, 2021, the property will be developed with 40 units: eight (8) detached single-family dwellings and sixteen (16) sets of paired single-family dwellings. The structures are anticipated to be up to three stories in height, of wood-framed construction, and will utilize concrete slab-on-grade floors and shallow foundations. Sewage is anticipated to be by a public sewer system.

Cuts and fills are estimated to be less than three feet in height. In addition, it is anticipated that stormwater at the site may be managed via relatively shallow infiltration systems. Specific location and depths of these systems are unknown currently, but assumed to be located in open spaces planned to be located in the southwestern and southeastern edges of the proposed development.

For the purposes of this report, it is assumed maximum column and wall loads will be about 100 kips and 3.5 kips per foot, respectively. Once actual loads are known that information should be provided to GeoTek to determine if modifications to the recommendations presented in this report are warranted.

Based upon past experience, grading of the site will involve cuts and fills generally less than about 5 feet in height, not including any recommended remedial grading. If site development differs from the assumptions made herein, the recommendations included in this report should be subject to further review and evaluation. Site development plans should be reviewed by GeoTek when they become available.

3. FIELD EXPLORATION AND LABORATORY TESTING

3.1 FIELD EXPLORATION

The field exploration for this report was conducted on October 5, 2021 and consisted of excavating five (5) geotechnical exploratory test borings (Borings B-1 through B-5) with a

hollow-stem drill rig to depths ranging from about 21.0 to 27 feet below grade. Boring B-5 was terminated at a depth less than the planned depth due to refusal. The approximate locations of the GeoTek borings are shown on the Exploration Location Map (Figure 2). A geologist from GeoTek logged the excavations and collected soil samples for use in subsequent laboratory testing. The logs of the exploratory borings are included in Appendix A. In-place sampling in the upper 5' of the borings was limited due to need to hand-auger the holes to confirm no underground utility lines were present. Bulk samples of these soils were locally collected and tested.

Relatively undisturbed soil samples were recovered at various intervals in the geotechnical borings with a California sampler. The California sampler is a 3-inch outside diameter, 2.5-inch inside diameter, split barrel sampler lined with brass rings. The sampler was 18 inches long. The sampler conformed to the requirements of ASTM D 3550. A 140-pound automatic trip hammer was utilized, dropping 30 inches for each blow. The relatively undisturbed samples, together with bulk samples of representative soil types, were returned to the laboratory for testing and evaluation. The California sampler test data are presented on the logs.

Percolation Testing

In addition to the geotechnical exploratory borings, two (2) borings (I-1 and I-2) were excavated in the area of the anticipated storm water control systems as designated by the project developer. The infiltration test borings were drilled to a depth of about 5 feet below the existing ground surface at the test locations. Infiltration/percolation testing was conducted in these borings in general accordance with the requirements of the County of Orange.

The percolation tests consisted of drilling an eight-inch diameter test hole to the desired depth and installing approximately two inches of gravel in the bottom of the hole. A three-inch diameter perforated PVC pipe, wrapped in a filter sock, was placed in the excavations and the annular space was filled with gravel to prevent caving within the boring. Water was then placed in the borings to presoak the holes and percolation testing was performed the following the pre-soak period. Following presoaking, the percolation tests were performed which consisted of adding water to each test hole and measuring the water drop over a 10-minute period. The water drop was recorded for six test intervals. Water was added to the test holes after each test interval. The field percolation rates were then converted to an infiltration rate using the Porchet Method. The infiltration rates calculated using the Porchet Method are presented in the following table:

SUMMARY OF INFILTRATION RATES		
Boring	Depth of Test (Feet)	Infiltration Rate (Inches per hour)
I-1	5	1.76
I-2	5	1.76

The results of the conversions indicate an infiltration rate of 1.76 inch per hour. Copies of the percolation data sheets and the Porchet infiltration rate conversion calculations are presented in Appendix C. No factors of safety were applied to the rates provided. Over the lifetime of the infiltration areas, the infiltration rates may be affected by sediment build up and biological activities, as well as local variations in near surface soil conditions. A suitable factor of safety should be applied to the field rate in designing the infiltration system.

It should be noted that the infiltration rates provided above were performed in relatively undisturbed on-site soils. Infiltration rates will vary and are mostly dependent on the underlying consistency of the site soils and relative density. Infiltration rates may be impacted by weight of equipment travelling over the soils, placement of engineered fill and other various factors. GeoTek assumes no responsibility or liability for the ultimate design or performance of the storm water facility.

3.2 LABORATORY TESTING

Laboratory testing was performed on selected relatively undisturbed ring and bulk samples collected during the field exploration. The purpose of the laboratory testing was to confirm the field classification of the materials encountered and to evaluate their physical properties for use in the engineering design and analysis. Results of the laboratory testing program along with a brief description and relevant information regarding testing procedures are included on the exploratory borings logs included in Appendix A.

4. GEOLOGIC AND SOILS CONDITIONS

4.1 REGIONAL SETTING

The subject property is situated in the Peninsular Ranges geomorphic province. The Peninsular Ranges province is one of the largest geomorphic units in western North America. It extends approximately 975 miles south of the Transverse Ranges geomorphic province to the tip of

Baja California. This province varies in width from about 30 to 100 miles. It is bounded on the west by the Pacific Ocean, on the south by the Gulf of California and on the east by the Colorado Desert Province.

The Peninsular Ranges are essentially a series of northwest-southeast oriented fault blocks. Several major fault zones are found in this province. The Elsinore Fault zone and the San Jacinto Fault zone trend northwest-southeast and are found near the middle of the province. The San Andreas Fault zone borders the northeasterly margin of the province.

More specific to the subject property, the site is in an area geologically mapped to be underlain by alluvium (Dibblee, T.W. and Minch, J.A., 2003). No active faults are shown in the immediate site vicinity on the maps reviewed for the area.

4.2 GENERAL SOIL CONDITIONS

A brief description of the earth materials encountered is presented in the following section. Based on the site reconnaissance, the exploratory excavations and review of published geologic maps, the area investigated is locally underlain by alluvial soils that is locally overlain by artificial fill.

4.2.1 Artificial Fill

Artificial fill (asphalt concrete pavement sections consisting of asphalt concrete and aggregate base) was encountered at the surface of all of the exploratory and infiltration borings. As the project site contains existing structures, pavements, utilities and other infrastructure improvements, artificial fill is anticipated to be present in unexplored areas of the project site.

4.2.2 Alluvium

Alluvium was encountered beneath the pavement sections in all the exploratory and infiltration test borings. The alluvium was found to consist of interbedded layers of silty sands, relatively clean and gravelly sands and sandy gravels, (SM, SP, and GP soil types based upon the Unified Soil Classification System). The coarse-grained alluvium was found to be medium dense to very dense.

Based on the results of laboratory testing, the upper site soils are considered to have a "very low" (0-20) expansion potential (ASTM D 4829). Based on the laboratory test results, the near surface soils have a soluble sulfate content of less than 0.1 percent (ASTM D 4327). The test results are provided in Appendix B.

4.3 SURFACE WATER AND GROUNDWATER

4.3.1 Surface Water

If encountered during earthwork operations, surface water on this site is the result of precipitation or possibly some minor surface run-off from the surrounding areas. Overall site area drainage varies due to the site topography. Provisions for surface drainage will need to be accounted for by the project civil engineer.

4.3.2 Groundwater

Groundwater was not encountered within any of the test borings drilled at the site (maximum depth explored of 27 feet). Based on review of available data, it is estimated that the depth to high groundwater at the site is greater than about 50 feet below grade. Based on the results of the field exploration, review of site area geomorphology and geology, groundwater is not anticipated to adversely affect the proposed improvements.

4.4 FAULTING AND SEISMICITY

4.4.1 Faulting

The geologic structure of the entire California area is dominated mainly by northwest-trending faults associated with the San Andreas system. The site is in a seismically active region. However, the site is not situated within a State of California designated *"Alquist-Priolo"* Earthquake Fault Zone. The nearest known active fault is the Newport-Inglewood fault zone located about 10 miles to the southwest.

4.4.2 Seismic Design Parameters

The site is located at approximately 33.7479 degrees West Latitude and -117.8214 degrees North Longitude. Site spectral accelerations (S_a and S_1), for 0.2 and 1.0 second periods for a Class "D" site, was determined from the SEAOC/OSHPD web interface that utilizes the USGS web services and retrieves the seismic design data and presents that information in a report format. Using the ASCE 7-16 option on the SEAOC/OSHPD website results in the values for S_{M1} and S_{D1} reported as "null-See Section 11.4.8" (of ASCE 7-16). As noted in ASCE 7-16, Section 11.4.8, a site-specific ground motion procedure is recommended for Site Class D when the value S_1 exceeds 0.2. The value S_1 for the subject site exceeds 0.2.

For a site Class D, an exception to performing a site-specific ground motion analysis is allowed in ASCE 7-16 where S_1 exceeds 0.2 provided the value of the seismic response coefficient, Cs,

is conservatively calculated by Eq 12.8-2 of ASCE 7-16 for values of T≤1.5Ts and taken as equal to 1.5 times the value computed in accordance with either Eq. 12.8-3 for $T_L \geq T > 1.5Ts$ or Eq. 12.8-4 for $T > T_L$.

The results, based on the 2015 NEHRP and the 2019 CBC, are presented in the following table as it is assumed that the exception as allowed in ASCE 7-16 is applicable. If the exception is deemed not appropriate, a site-specific ground motion analysis will be required.

SITE SEISMIC PARAMETERS	
Mapped 0.2 sec Period Spectral Acceleration, S_S	1.291g
Mapped 1.0 sec Period Spectral Acceleration, S_1	0.461g
Site Coefficient for Site Class "D", F_a	1
Site Coefficient for Site Class "D", F_v	1.839
Maximum Considered Earthquake Spectral Response Acceleration for 0.2 Second, S_{MS}	1.291g
Maximum Considered Earthquake Spectral Response Acceleration for 1.0 Second, S_{M1}	0.847g
5% Damped Design Spectral Response Acceleration Parameter at 0.2 Second, S_{DS}	0.861
5% Damped Design Spectral Response Acceleration Parameter at 1 second, S_{D1}	0.565
Peak Ground Acceleration (PGA_M)	0.592g
Seismic Design Category	D

Final selection of the appropriate seismic design coefficients should be made by the project structural engineer based upon the local practices and ordinances, expected building response and desired level of conservatism.

4.5 LIQUEFACTION

Liquefaction describes a phenomenon in which cyclic stresses, produced by earthquake-induced ground motion, create excess pore pressures in relatively cohesionless and some low-plastic silt and clay soils. These soils may thereby acquire a high degree of mobility, which can lead to lateral movement, sliding, settlement of loose sediments, sand boils and other damaging deformations. This phenomenon occurs only below the water table, but, after liquefaction occurs, the liquefied soil/water matrix can propagate upward into overlying non-saturated soil as excess pore water dissipates.

The factors known to influence liquefaction potential include soil type and grain size, relative density, plasticity, groundwater level, confining pressures, and both intensity and duration of ground shaking. In general, materials that are susceptible to liquefaction are loose, saturated

granular soils having low fines content under low confining pressures and some low plastic silts and clays.

Based on a review of the Orange County Parcel Report, the site is not located within an area mapped as being susceptible to liquefaction.

Based on the current mapping by Orange County and the lack of shallow groundwater, it is GeoTek's opinion that the site is not susceptible to liquefaction during a seismic event. Due to the dense/very dense nature of the underlying alluvium, seismic induced ("dry sand") settlements are estimated to be minimal.

4.6 OTHER SEISMIC HAZARDS

Due to the general flat terrain, the potential for seismic induced landslides or lateral spreading is considered nil. The potential for secondary seismic hazards such as a seiche and tsunami is considered negligible due to site elevation and distance from an open body of water.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 GENERAL

Development of the site appears feasible from a geotechnical engineering viewpoint. The following recommendations should be incorporated into the design and construction phases of development.

5.2 EARTHWORK CONSIDERATIONS

5.2.1 General

Earthwork and grading should be performed in accordance with the applicable grading ordinances of the County of Orange, City of Tustin, the 2019 California Building Code (CBC), and recommendations contained in this report. The Grading Guidelines included in Appendix D outline general procedures and do not anticipate all site-specific situations. In the event of conflict, the recommendations presented in the text of this report should supersede those contained in Appendix D.

5.2.2 Site Clearing

Initial site preparation should commence with removal of debris, existing structures, pavements, underground utilities, foundations, slabs-on-grade, deleterious materials and vegetation within the limits of the planned improvements. Demolition of the existing buildings should include removal of all shallow foundations, floor slabs and any of below-grade construction. If the existing building is supported by deep foundations, it is recommended that those foundation units be cut-off at least 3 feet below all new building foundations and floor slabs and one foot beneath all future utility lines. Existing utilities, not planned for re-use, should be capped off at the property boundaries and removed. All materials generated by demolition and site clearing operations should be properly disposed of off-site. Concrete and asphalt generated from razing the existing site structures may be used for fill if properly prepared (broken down into suitable size), with any deleterious materials (i.e. rebar or reinforcement) removed. Placement of this material as part of engineered fill on the project site should also be with approval from the grading inspector and the geotechnical engineer of record. Voids resulting from removing any materials should be replaced with engineered fill materials with expansion characteristics similar to the onsite materials.

5.2.3 Site Preparation

Demolition and removal of the existing on-site structure foundations, slabs and utility lines is anticipated to disturb the upper site soils. Due to the anticipated site demolition and the non-uniform nature of the near-surface upper younger alluvium, it is recommended that the soils be removed beneath the planned building footprint to a depth of at least five (5) feet below existing grade, or three (3) feet below the base of the proposed foundations, whichever is greater. The lateral extent of this recommended over-excavation should extend at least 5 feet beyond the building limits. Removal bottoms should be relatively uniform in soil type which is not visibly porous and having an in-place density of at least 85 percent of the soil's maximum dry density as determined by ASTM D 1557 test procedures.

Following site clearing operations, over-excavation and lowering of site grades, where necessary, it is recommended that the exposed subgrade soils beneath all surface improvements be proof rolled with a heavy rubber-tired piece of construction equipment approved by and in the presence of the geotechnical engineering representative. The proof rolling equipment should possess a minimum weight of 15 tons and proof rolling should include at least 4 passes, two in each perpendicular direction. All soil that ruts or excessively deflects during proof rolling should be removed as recommended by the GeoTek representative. Following proof rolling and removal of any unsuitable bearing soil, the exposed subgrade should be scarified to a depth of about 12 inches, be moisture conditioned to slightly above the soil's optimum moisture content and then be compacted to at least 90 percent of the soil's maximum dry density as determined by ASTM D-1557 test procedures.

5.2.4 Engineered Fill

The on-site soils are generally considered suitable for reuse as engineered fill provided they are free from vegetation, debris, oversized materials (~6 inches) and other deleterious material. All areas should be brought to final subgrade elevations with fill materials that are placed and compacted in general accordance with minimum project standards. Engineered fill should be placed in 6-to-8-inch loose lifts, moisture conditioned to about three percent above the optimum moisture content and compacted to a minimum relative compaction of 90 percent as determined by ASTM D-1557 test procedures.

If wet soils are encountered during remedial grading, methods for drying soils such as stockpiling or mixing with dry soils may be required to bring the soils to the required moisture content for placement as engineered fill. Placement of engineered fill should be observed and tested on a full-time basis by a GeoTek representative during grading activities.

5.2.5 Oversized Rock Disposal

Oversized cobbles, bounders and rock fragments may be encountered during rough grading and utility trench operations. On-site disposal of oversized materials is possible, provided the oversized materials are placed as recommended on Plate 4 within Appendix D. Alternatively, over-sized materials can be exported from the site.

5.2.6 Excavation Characteristics

Excavations in the on-site soils should be readily accomplished with heavy-duty earthmoving or excavating equipment in good operating condition. All excavations should be formed in accordance with current Cal-OSHA requirements.

5.2.7 Trench Excavations and Backfill

Temporary trench excavations within the on-site materials should be stable at a 1:1 inclination for short durations during construction and where cuts do not exceed 15 feet in height. Deeper temporary excavations should be reviewed by GeoTek prior to their planned excavation to determine if supplemental recommendations or analysis are warranted. It is anticipated that temporary cuts to a maximum height of 4 feet can be excavated vertically.

Trench excavations should conform to Cal-OSHA regulations. The contractor should have a competent person, per OSHA requirements, on site during construction to observe conditions and to make the appropriate recommendations.

Utility trench backfill should be compacted to at least 90 percent relative compaction (as determined by ASTM D-1557 test procedures). Under-slab trenches should also be compacted to project specifications. Where applicable, based on jurisdictional requirements,

the top 12 inches of backfill below subgrade for road pavements should be compacted to at least 95 percent relative compaction. On-site materials may not be suitable for use as bedding material but should be suitable as backfill provided particles larger than 6 inches are removed.

Compaction should be achieved with a mechanical compaction device. Ponding or jetting of trench backfill is not recommended. If backfill soils have dried out, they should be properly moisture conditioned prior to placement in trenches.

5.2.8 Shrinkage and Bulking

Several factors will impact earthwork balancing on the site, including shrinkage, subsidence, trench spoil from utilities and footing excavations, as well as the accuracy of topography. Site demolition and infrastructure removal operations may impact site earthwork quantities and needs to be accounted for.

Shrinkage is primarily dependent upon the degree of compactive effort achieved during construction. For planning purposes, a shrinkage factor of 5 to 10 percent may be considered for the soils excavated or scarified and used as compacted fill. Site balance areas should be available in order to adjust project grades, depending on actual field conditions at the conclusion of site earthwork construction.

A subsidence loss of up to about 0.2 foot is estimated for the site.

5.2.9 Grading Plan Review

Upon completion of the site grading plans, it is recommended that those plans be provided to GeoTek for review. Based on that review, some modifications to the recommendations provided in this report may be necessary.

5.3 DESIGN RECOMMENDATIONS

5.3.1 Foundation Design Criteria

Foundation design criteria for a conventional foundation system, in general conformance with the 2019 CBC, are presented herein. These are typical design criteria and are not intended to supersede the design by the structural engineer.

Design Parameter	"Very Low" Expansion Potential (0≤EI≤21)
Foundation Depth or Minimum Perimeter Beam Depth (inches below lowest adjacent grade)	12 – 1 and 2 Story 18 – Three-Story
Minimum Foundation Width (Inches)*	12 – 1 Story 15 – 2 Story 18 – 3 Story
Minimum Slab Thickness (actual)	4 inches (actual)
Minimum Slab Reinforcing	6" x 6" – W1.4/W1.4 welded wire fabric or No. 3 reinforcing bars at 24 inches on center each way placed in middle of slab
Minimum Footing Reinforcement	Two No. 4 Reinforcing Bars, one top and one bottom
Effective Plasticity Index**	N/A
Presaturation of Subgrade Soil (Percent of Optimum/Depth in inches)	Minimum 100% of the optimum moisture content to a depth of at least 12 inches prior to placing concrete

*Code minimums per Table 1809.7 of the 2019 CBC should be complied with.
**Effective Plasticity Index should be verified at the completion of the rough grading

It should be noted that the criteria provided are based on soil support characteristics only. The structural engineer should design the slab and beam reinforcement based on actual loading conditions.

It should be noted that the criteria provided are based on soil support characteristics only. The structural engineer should design the slab and beam reinforcement based on actual loading conditions.

5.3.1.1 An allowable bearing capacity of 2,500 pounds per square foot (psf) may be used for design of continuous and perimeter footings 12 inches deep and 12 inches wide, and pad footings 24 inches square and 12 inches deep. This allowable soil bearing capacity may be increased by 200 psf for each additional foot of footing depth and 200 psf for each additional foot of footing width to a maximum value of 3,500 psf. An increase of one-third may be applied when considering short-term live loads (e.g., seismic and wind loads).

5.3.1.2 Structural foundations should be designed in accordance with the 2019 CBC, and to withstand a total static settlement of 1 inch and maximum differential static settlement of one-half of the total settlement over a horizontal distance of 40 feet.

5.3.1.3 The passive earth pressure may be computed as an equivalent fluid having a density of 275 psf per foot of depth, to a maximum earth pressure of 2,750 psf for footings founded on engineered fill or competent native soil. A coefficient of friction between

soil and concrete of 0.3 may be used with dead load forces. When combining passive pressure and frictional resistance, the passive pressure component should be reduced by one-third. The upper one foot of soil should be ignored in the passive pressure calculations unless the surface is covered with pavements.

5.3.1.4 A grade beam, a minimum of 12 inches wide and 18 inches deep, should be utilized across large entrances. The base of the grade beam should be at the same elevation as the bottom of the adjoining footings.

5.3.1.5 A moisture and vapor retarding system should be placed below slabs-on-grade where moisture migration through the slab is undesirable. Guidelines for these are provided in the 2019 California Green Building Standards Code (CALGreen) Section 4.505.2, the 2019 CBC Section 1907.1 and ACI 360R-10. The vapor retarder design and construction should also meet the requirements of ASTM E 1643. A portion of the vapor retarder design should be the implementation of a moisture vapor retardant membrane.

It should be realized that the effectiveness of the vapor retarding membrane can be adversely impacted as a result of construction related punctures (e.g., stake penetrations, tears, punctures from walking on the vapor retarder placed atop the underlying aggregate layer, etc.). These occurrences should be limited as much as possible during construction. Thicker membranes are generally more resistant to accidental puncture than thinner ones. Products specifically designed for use as moisture/vapor retarders may also be more puncture resistant. Although the CBC specifies a 6-mil vapor retarder membrane, it is GeoTek's opinion that a minimum 10 mil thick membrane with joints properly overlapped and sealed should be considered, unless otherwise specified by the slab design professional. The membrane should consist of Stego wrap or the equivalent.

Moisture and vapor retarding systems are intended to provide a certain level of resistance to vapor and moisture transmission through the concrete, but do not eliminate it. The acceptable level of moisture transmission through the slab is to a large extent based on the type of flooring used and environmental conditions. Ultimately, the vapor retarding system should be comprised of suitable elements to limited migration of water and reduce transmission of water vapor through the slab to acceptable levels. The selected elements should have suitable properties (i.e., thickness, composition, strength, and permeability) to achieve the desired performance level.

Moisture retarders can reduce, but not eliminate, moisture vapor rise from the underlying soils up through the slab. Moisture retarder systems should be designed and constructed in accordance with applicable American Concrete Institute, Portland Cement Association, Post-Tensioning Concrete Institute, ASTM and California Building Code requirements and guidelines.

GeoTek recommends that a qualified person, such as the flooring contractor, structural engineer, architect, and/or other experts specializing in moisture control within the building be consulted to evaluate the general and specific moisture and vapor transmission paths and associated potential impact on the proposed construction. That person (or persons) should provide recommendations relative to the slab moisture and vapor retarder systems and for migration of potential adverse impact of moisture vapor transmission on various components of the structures, as deemed appropriate.

In addition, the recommendations in this report and GeoTek's services in general are not intended to address mold prevention; since GeoTek, along with geotechnical consultants in general, do not practice in the area of mold prevention. If specific recommendations addressing potential mold issues are desired, then a professional mold prevention consultant should be contacted.

It is recommended that control joints be placed in two directions spaced approximately 24 to 36 times the thickness of the slab in inches. These joints are a widely accepted means to control cracks and should be reviewed by the project structural engineer.

5.3.2 Miscellaneous Foundation Recommendations

5.3.2.1 To reduce moisture penetration beneath the slab on grade areas, utility trench excavations should be backfilled with engineered fill, lean concrete or concrete slurry where they intercept the perimeter footing or thickened slab edge.

5.3.2.2 Soils from the footing excavations should not be placed in the slab-on-grade areas unless properly compacted and tested. The excavations should be free of loose/sloughed materials and be neatly trimmed at the time of concrete placement.

5.3.3 Foundation Setbacks

Minimum setbacks for all foundations should comply with the 2019 CBC or County of Orange requirements, whichever is more stringent. Improvements not conforming to these setbacks

are subject to the increased likelihood of excessive lateral movements and/or differential settlements. If large enough, these movements can compromise the integrity of the improvements. The top outside edge of all footings should be set back a minimum of H/3 (where H is the slope height) from the face of any descending slope. The setback should be at least five feet and need not exceed 40 feet.

5.3.4 Soil Corrosivity

The soil resistivity at this site was tested in the laboratory on samples collected during the field investigation. The results of the testing indicate that the on-site soils are considered "corrosive" (3,283 ohm-cm) (Roberge, 2000) to buried ferrous metal in accordance with current standards used by corrosion engineers. It is recommended that a corrosion engineer be consulted to provide recommendations for the protection of buried ferrous metal at this site.

5.3.5 Soil Sulfate Content

The sulfate content was determined in the laboratory on samples collected during the field investigation. The results indicate that the soil water-soluble sulfate content is less than 0.1 percent by weight, which is considered "negligible" as per Table 4.2.1 of ACI 318. Based on the test results and Table 4.3.1 of ACI 318, no special recommendations for concrete are required for this project due to soil sulfate exposure.

5.4 RETAINING AND GARDEN WALL DESIGN AND CONSTRUCTION

5.4.1.1 General Design Criteria

Recommendations presented in this report apply to typical masonry or concrete vertical retaining walls to a maximum height of up to six (6) feet. Additional review and recommendations should be requested for higher walls. These are typical design criteria and are not intended to supersede the design by the structural engineer.

Retaining wall foundations should be embedded a minimum of 18 inches into engineered fill and/or competent native soil. Retaining wall foundations should be designed in accordance with Section 5.3 of this report. Structural needs may govern and should be evaluated by the project structural engineer.

All earth retention structure plans, as applicable, should be reviewed by this office prior to finalization.

Earthwork considerations, site clearing and remedial earthwork for all earth retention structures should meet the requirements of this report, unless specifically provided otherwise, or more stringent requirements or recommendations are made by the designer. The backfill material placement for all earth retention structures should meet the requirement of Section 5.2.4 in this report.

In general, cantilever earth retention structures, which are designed to yield at least 0.001H, where H is equal to the height of the earth retention structure, may be designed using the "active" condition. Rigid earth retention structures (including but not limited to rigid walls, and walls braced at top, such as typical basement walls) should be designed using the "at-rest" condition.

In addition to the design lateral forces due to retained earth, surcharges due to improvements, such as an adjacent building or traffic loading, should be considered in the design of the earth retention structures. Loads applied within a 1:1 (horizontal:vertical) projection from the surcharge on the stem of the earth retention structure should be considered in the design.

Final selection of the appropriate design parameters should be made by the designer of the earth retention structures.

5.4.1.2 Cantilevered Walls

The recommendations presented below are for cantilevered retaining walls up to six (6) feet high. Active earth pressure may be used for retaining wall design, provided the top of the wall is not restrained from minor deflections. An equivalent fluid pressure approach may be used to compute the horizontal pressure against the wall. Appropriate fluid unit weights are given below for specific slope gradients of the retained material. These do not include other superimposed loading conditions such as traffic, structures, or seismic events.

ACTIVE EARTH PRESSURES	
Surface Slope of Retained Materials (horizontal : vertical)	Equivalent Fluid Pressure (pcf) Select Backfill* and Native Soils
Level	40
2:1	65

*The design pressures assume the backfill material has an expansion index less than or equal to 20. Backfill zone includes area between back of the wall to a plane (1:1 horizontal : vertical) up from bottom of the wall foundation (on the backside of the wall) to the ground surface.

For walls with a retained height greater than 6 feet, an incremental seismic pressure should be included into the wall design. Where needed, it is recommended that an equivalent fluid pressure of 18 pcf be included into the wall design to account for seismic loading conditions. This pressure may be applied as an inverted triangular distribution.

5.4.1.3 Retaining Wall Backfill and Drainage

The wall backfill should also include a minimum one (1) foot wide section of ¾- to 1-inch clean crushed rock (or an approved equivalent). The rock should be placed immediately adjacent to the back of the wall and extend up from a back drain to within approximately 24 inches of the finish grade. The upper 24 inches should consist of compacted on-site materials. The rock should be separated from the earth with filter fabric. The presence of other materials might necessitate revision to the parameters provided and modification of the wall designs. The backfill materials should be placed in lifts no greater than eight (8) inches in thickness and compacted to a minimum of 90% relative compaction as determined by ASTM D 1557 test procedures. Proper surface drainage needs to be provided and maintained.

As an alternative to the drain, rock and fabric, a pre-manufactured wall drainage product (example: Mira Drain 6000 or approved equivalent) may be used behind the retaining wall. The wall drainage product should extend from the base of the wall to within two (2) feet of the ground surface. The subdrain should be placed in direct contact with the wall drainage product.

Retaining walls should be provided with an adequate pipe and gravel back drain system to help prevent buildup of hydrostatic pressures. Backdrains should consist of a four (4)-inch diameter perforated collector pipe (Schedule 40, SDR 35, or approved equivalent) embedded in a minimum of one (1) cubic foot per linear foot of ¾- to 1-inch clean crushed rock or an approved equivalent, wrapped in filter fabric (Mirafi 140N or an approved equivalent). The drain system should be connected to a suitable outlet. Waterproofing of site walls should be performed where moisture migration through the walls is undesirable.

5.4.1.4 Restrained Retaining Walls

Retaining walls that will be restrained at the top that support level backfill or that have reentrant or male corners, should be designed for an equivalent at-rest fluid pressure of 65 pcf, plus any applicable surcharge loading. For areas of male or reentrant corners, the restrained wall design should extend a minimum distance of twice the height of the wall laterally from the corner, or a distance otherwise determined by the project structural engineer.

5.4.1.5 Other Design Considerations

- Wall design should consider the additional surcharge loads from superjacent slopes and/or footings, where appropriate.
- No backfill should be placed against concrete until minimum design strengths are evident by compression tests of cylinders.
- The retaining wall footing excavations, backcuts, and backfill materials should be approved by the project geotechnical engineer or their authorized representative.
- Positive separations should be provided in garden walls at horizontal distances not exceeding 20 feet.

5.5 PRELIMINARY PAVEMENT DESIGN RECOMMENDATIONS

Although planned final grades beneath the proposed parking, access roads and adjacent street improvements within the site are not yet known, the following preliminary pavement design recommendations are based on assumed Traffic Indexes of 5.0 for car parking areas and 6.0 for access drives. Preliminary pavement thickness design is based on the CalTrans Highway Design Manual (2018). An R-value of 40 was assumed for the determination of preliminary pavement sections for this report. Once the traffic loading information becomes more defined, revision to the pavement design recommendations may be warranted. It is recommended that the final pavement design be based on R-value testing of the as-graded subgrade soils within the pavement areas.

Based on the assumptions noted above, the following preliminary pavement recommendations are provided for the site:

PRELIMINARY MINIMUM PAVEMENT SECTION		
Traffic Index	Thickness of Asphalt Concrete (inches)	Thickness of Aggregate Base (inches)
5.0 (Car Parking Areas)	3	6
6.0 (Automobile Access Lanes)	4	6

Traffic Indices (TIs) used in the pavement design should provide a pavement life of approximately 20 years with a normal amount of flexible pavement maintenance. Irrigation adjacent to pavements, without a deep curb or other cutoff to separate landscaping from the

paving may result in premature pavement failure. Traffic parameters used for design were selected based upon engineering judgment and not upon information furnished to us such as an equivalent wheel load analysis or a traffic study.

All base material and the upper 12 inches of subgrade should be compacted to at least 95 percent of the material's maximum dry density as determined by ASTM D 1557 test procedures. All materials and methods of construction should conform to the requirements of the City of Tustin.

5.6 CONCRETE CONSTRUCTION

5.6.1 General

Concrete construction should follow the 2019 CBC and ACI guidelines regarding design, mix placement and curing of the concrete. If desired, GeoTek could provide quality control testing of the concrete during construction.

5.6.2 Concrete Mix Design

As discussed in Section 5.3.5, no special recommendations for concrete are required for this project due to soil sulfate exposure. Additional testing should be performed during grading so that specific recommendations can be formulated based on the as-graded conditions.

5.6.3 Concrete Flatwork

Exterior concrete flatwork is often one of the most visible aspects of site development. They are typically given the least level of quality control, being considered "non-structural" components. Cracking of these features is common due to various factors. While cracking usually does not affect the structural performance of the concrete, it is unsightly. It is recommended that the same standards of care be applied to these features as to the structure itself.

Flatwork should consist of a minimum four-inch (actual) thick concrete and the use of temperature and shrinkage control reinforcement is suggested. The project structural engineer should provide final design recommendations.

5.6.4 Concrete Performance

Concrete cracks should be expected. These cracks can vary from sizes that are hairline to more than 1/8 inch in width. Most cracks in concrete while unsightly do not significantly impact long-term performance. While it is possible to take measures (proper concrete mix, placement, curing, control joints, etc.) to reduce the extent and size of cracks that occur, some

cracking will occur despite the best efforts to minimize it. Concrete undergoes chemical processes that are dependent on a wide range of variables, which are difficult, at best, to control. Concrete, while seemingly a stable material, is subject to internal expansion and contraction due to external changes over time.

One of the simplest means to control cracking is to provide weakened control joints for cracking to occur along. These do not prevent cracks from developing; they simply provide a relief point for the stresses that develop. These joints are a widely accepted means to control cracks but are not always effective. Control joints are more effective the more closely spaced they are. GeoTek suggests that control joints be placed in two orthogonal directions and located a distance apart approximately equal to 24 to 36 times the slab thickness.

5.7 PLAN REVIEW AND CONSTRUCTION OBSERVATIONS

It is recommended that site grading, specifications, and foundation plans be reviewed by this office prior to construction to check for conformance with the recommendations of this report. It is also recommended that GeoTek representatives be present during site grading and foundation construction to observe and document for proper implementation of the geotechnical recommendations. The owner/developer should have GeoTek perform at least the following duties:

- Observe site clearing and grubbing operations for proper removal of all unsuitable materials.
- Observe and test bottom of removals prior to fill placement.
- Evaluate the suitability of on-site and import materials for fill placement and collect soil samples for laboratory testing where necessary.
- Observe the fill for uniformity during placement, including utility trench excavation backfill. Also, test the fill for density, relative compaction and moisture content.
- Observe and probe foundation excavations to confirm suitability of bearing materials with respect to density.

If requested, a construction observation and compaction report can be provided by GeoTek which can comply with the requirements of the governmental agencies having jurisdiction over the project. It is recommended that these agencies be notified prior to commencement of construction so that necessary grading permits can be obtained.

6. INTENT

It is the intent of this report to aid in the design and construction of the proposed development. Implementation of the advice presented in this report is intended to reduce risk associated with construction projects. The professional opinions and geotechnical advice contained in this report are not intended to imply total performance of the project or guarantee that unusual or variable conditions will not be discovered during or after construction.

The scope of this evaluation is limited to the area explored that is shown on the Exploration Location Map (Figure 2). This evaluation does not and should in no way be construed to encompass any areas beyond the specific area of the proposed construction as indicated to GeoTek by the client. Further, no evaluation of any existing site improvements is included. The scope is based on GeoTek's understanding of the project and the client's needs, GeoTek's proposal (Proposal No. P-0902521-CR) dated September 13, 2021 and geotechnical engineering standards normally used on similar projects in this region.

7. LIMITATIONS

GeoTek's findings are based on site conditions observed and the stated sources. Thus, GeoTek's comments are professional opinions that are limited to the extent of the available data.

GeoTek has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the engineering at this time and location and science professions currently practicing under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this report.

Since GeoTek's recommendations are based on the site conditions observed and encountered at the stated times and laboratory testing. Thus, GeoTek's conclusions and recommendations are professional opinions that are limited to the extent of the available data. Observations during construction are important to allow for any change in recommendations found to be warranted. These opinions have been derived in accordance with current standards of practice and no warranty of any kind is expressed or implied. Standards of care/practice are subject to change with time.

8. SELECTED REFERENCES

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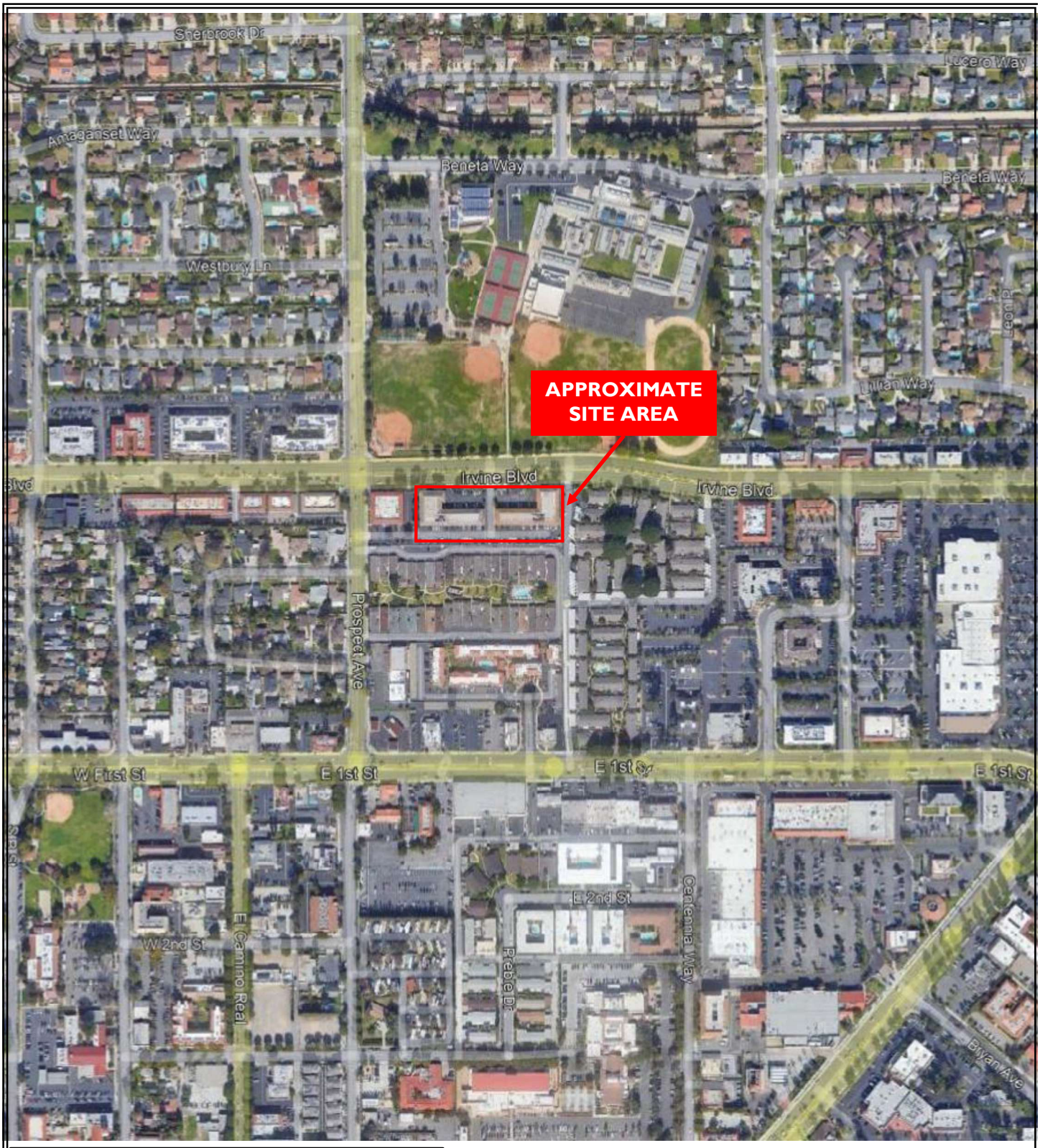


Modified from Google Earth Pro Aerial Imagery

1000 Ft.

Intracorp Companies
17802 Irvine Blvd.
Tustin, Orange County, California

GeoTek Project No. 2901-CR

NORTH

Figure 1

Site Location Map

GEOTEK



Intracorp Companies
17802 Irvine Blvd.
Tustin, Orange County, California

GeoTek Project No. 2901-CR

Scale As Shown

Figure 2

Exploration Location Map

GEOTEK

APPENDIX A

LOG OF EXPLORATORY BORINGS

Proposed 40 Unit Residential Development

17802 Irvine Boulevard

Tustin, Orange County, California

Project No. 2901-CR

GEOTEK

A - FIELD TESTING AND SAMPLING PROCEDURES

The Modified Split-Barrel Sampler (Ring)

The Ring sampler is driven into the ground at various depths in accordance with ASTM D 3550 test procedures. The sampler, with an external diameter of 3.0 inches, is lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sampler is typically driven into the ground 12 or 18 inches with a 140-pound hammer free falling from a height of 30 inches. Blow counts are recorded for every 6 inches of penetration as indicated on the log of boring. The samples are removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

Bulk Samples (Large)

These samples are normally large bags of earth materials over 20 pounds in weight collected from the field by means of hand digging or exploratory cuttings.

Bulk Samples (Small)

These are plastic bag samples which are normally airtight and contain less than 5 pounds in weight of earth materials collected from the field by means of hand digging or exploratory cuttings. These samples are primarily used for determining natural moisture content and classification indices.

B - BORING LOG LEGEND

The following abbreviations and symbols often appear in the classification and description of soil and rock on the log of borings:

SOILS

USCS	Unified Soil Classification System
f-c	Fine to coarse
f-m	Fine to medium

GEOLOGIC

B: Attitudes	Bedding: strike/dip
J: Attitudes	Joint: strike/dip
C: Contact line	
……..	Dashed line denotes USCS material change
———	Solid Line denotes unit / formational change
———	Thick solid line denotes end of boring

(Additional denotations and symbols are provided on the boring log)

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-1

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					3.5" asphalt concrete / 3" aggregate base			
					Younger alluvium:			EI, SR
				SM	silty f-m SAND, light brown, slightly moist			
5		7 8 10			silty f-m SAND, light brown, slightly moist, medium dense	3.2	109.7	HC
		10 10 13			silty f-m SAND, yellow brown, slightly moist, medium dense	2.9	111.4	
10		11 13 14			silty f-m SAND, yellow brown, slightly moist, medium dense, trace f-c gravel			
15		40 50/5		GM	f-c GRAVEL with f-m sand, brown/grey, dry, dense			
20		20 37 47		GP	f-c GRAVEL, grey, dry, very dense	3.7		
					BORING TERMINATED AT 21.5 FEET			
					No groundwater encountered Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: —Ring —SPT —Small Bulk —Large Bulk —No Recovery —Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-2

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					5" asphalt concrete / 4" aggregate base			
					Younger alluvium:			
				SM	silty f-m SAND, brown, slightly moist			
5		3 3 4			silty f-m SAND, brown, slightly moist, loose, trace clay	6.4	113.6	HC
		2 4 6				9.3	120.5	
10		6 11 12			silty f-m SAND, brown, slightly moist, medium dense, some f-c gravel			
15		50/6		GP	coarse GRAVEL, grey, dry, dense			
20		35 50/6		SP	f-m SAND, light brown, slightly moist, dense, with f-c gravel			
					BORING TERMINATED AT 21.0 FEET			
					No groundwater encountered Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: —Ring —SPT —Small Bulk —Large Bulk —No Recovery —Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-3

Depth (ft)	Sample Type	Blows/ 6 in	Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Water Content (%)	Dry Density (pcf)	Others
0					2" asphalt concrete / 4" aggregate base			
					Younger alluvium:			MD, SH
				SM	silty f-m SAND, brown, slightly moist, trace f-c gravel			
5		3			silty f-m SAND, brown, slightly moist, loose			
		3				7.7	109.9	
		4						
		3			silty f-m SAND, brown, slightly moist, loose, trace f-c gravel			
		3				9.1	110.7	
		4						
10		10			same as above, medium dense			
		15						
		26						
15		50/6			silty f-m SAND, brown, slightly moist, dense, trace f-c gravel	1.8		
20		45			f-c SAND, brown, slightly moist, dense, with f-c gravel			
		50/6						
					BORING TERMINATED AT 21.0 FEET			
					No groundwater encountered			
					Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: —Ring —SPT —Small Bulk —Large Bulk —No Recovery —Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-4

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					4" asphalt concrete / 7" aggregate base			
					Younger alluvium:			
				SM	silty f SAND, light brown, dry			
					same as above			
5		13		SP	f-m SAND, light brown, dry, dense, trace silt and f-c gravel			
		29						
		18						
		10		SM	silty f-m SAND, brown, slightly moist, medium dense, trace f-c gravel			
		10				3.4	109.6	
		13						
10		11						
		17				4.2		
		22						
15		40		GP	f-c GRAVEL, brown, slightly moist, dense			
		50/5				3.0		
20		45			course GRAVEL, grey, dry, dense	0.5		
		50/5						
					BORING TERMINATED AT 21.0 FEET			
					No groundwater encountered			
					Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: Ring | SPT | Small Bulk | Large Bulk | No Recovery | Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-5

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					2" asphalt concrete / 4" aggregate base			
					Younger alluvium:			EI, SR
				SM	silty f-m SAND, brown, moist			
5		3 4 4			slightly f-m SAND, brown, moist, loose	10.3	119.4	
		2 4 4				12.0	118.2	HC
10		4 6 7			silty f-m SAND, brown, moist, trace c gravel, loose	8.2	121.8	HC
15		50/6		GM	c GRAVEL with silty f-m sand, brown, slightly moist, dense			
20		50/6		GP	cobble, grey, dry, dense			
25					refusal at 27 feet			
					BORING TERMINATED AT 27.0 FEET			
30					No groundwater encountered Boring backfilled with soil cuttings			

LEGEND

Sample type: —Ring —SPT —Small Bulk —Large Bulk —No Recovery —Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	Boring No.: I-1 MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					4" asphalt concrete / 4" aggregate base			
					Younger alluvium:			
				SM	silty f-m SAND, light brown, dry			
					silty f-m SAND, light brown, dry			
5					**BORING TERMINATED AT 5.0 FEET**			
					No groundwater encountered Boring backfilled with soil cuttings			
10								
15								
20								
25								
30								

LEGEND

Sample type: —Ring —SPT —Small Bulk —Large Bulk —No Recovery —Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	Boring No.: I-2 / MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					3" asphalt concrete / 4" aggregate base			
					Younger alluvium:			
				SM	silty f-m SAND, brown, slightly moist			
5					**BORING TERMINATED AT 5.0 FEET**			
					No groundwater encountered			
					Boring backfilled with soil cuttings			
10								
15								
20								
25								
30								

LEGEND

Sample type: —Ring —SPT —Small Bulk —Large Bulk —No Recovery —Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resistivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

APPENDIX B

RESULTS OF LABORATORY TESTING

Proposed 40 Unit Residential Development
17802 Irvine Boulevard
Tustin, Orange County, California
Project No. 2901-CR

GEOTEK

SUMMARY OF LABORATORY TESTING

Classification

Soils were classified visually in general accordance with the Unified Soil Classification System (ASTM Test Method D 2487). The soil classifications are shown on the logs of borings in Appendix A.

Hydro-Collapse

Selected soil samples were tested in order to evaluate their potential for hydro-collapse. Testing was performed in general accordance with ASTM Test Method D 4546. The results of the testing are provided herein.

Direct Shear

Shear testing was performed on a remolded sample in a direct shear machine of the strain-control type in general accordance with ASTM Test Method D 3080. The rate of deformation is approximately 0.035 inch per minute. The samples were sheared under varying confining loads in order to determine the coulomb shear strength parameters, angle of internal friction and cohesion. The samples were remolded to approximately 90 percent of the maximum dry density as determined by ASTM D 1557 test procedures. The results of the testing are presented in Appendix B.

Expansion Index

Expansion Index testing was performed on two (2) bulk soil samples obtained from the site. Testing was performed in general accordance with ASTM Test Method D 4829. The results of the testing are provided below.

Boring No.	Depth (ft.)	Description	Expansion Index	Classification
B-1	0-5	Silty Sand	15	Very Low
B-5	0-5	Silty Sand	6	Very Low

In-Situ Moisture and Density

The natural water content of sampled soils was determined in general accordance with ASTM D 2216 test procedures on samples of the materials recovered from the subsurface exploration. In addition, in-place dry density of the sampled soils was determined in general accordance with ASTM D 2937 test procedures on relatively undisturbed samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths in Appendix A.

Moisture-Density Relationship

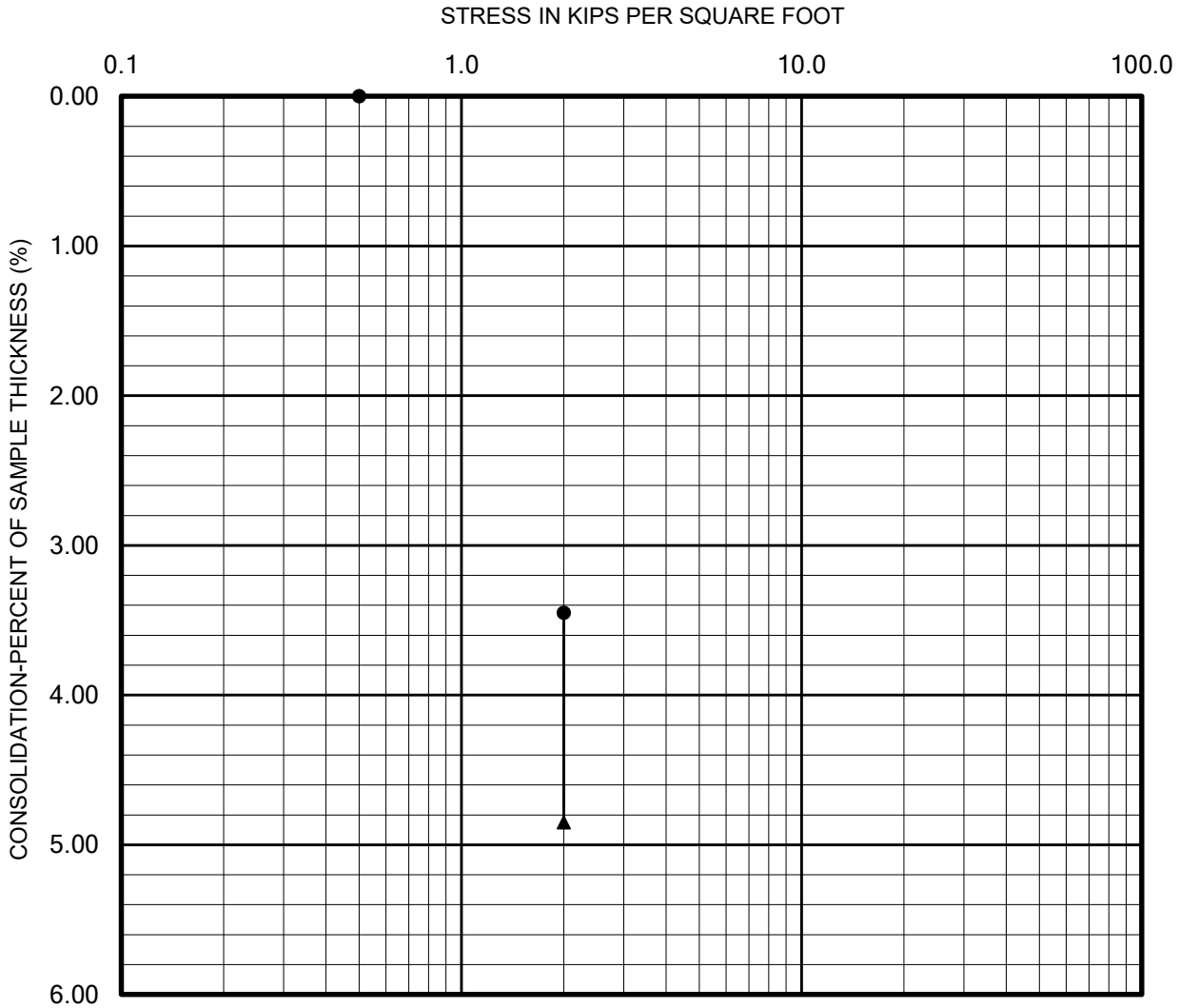
Laboratory testing was performed on one bulk sample collected during the subsurface exploration. The laboratory maximum dry density and optimum moisture content for the soil type was determined in general accordance with test method ASTM Test Procedure D 1557. The results of the testing are provided in Appendix B.

Sulfate Content, Resistivity and Chloride Content

Testing to determine the water-soluble sulfate content was performed by others in general accordance with ASTM D4327 test procedures. Resistivity testing was completed by others in general accordance with ASTM G187 test procedures. Testing to determine the chloride content was performed by others

in general accordance with ASTM D4327 test procedures. The results of the testing are provided below and in Appendix B.

Boring No.	Depth (ft.)	pH ASTM D4972	Chloride ASTM D4327 (mg/kg)	Sulfate ASTM D4327 (% by weight)	Resistivity ASTM G187 (ohm-cm)
B-1	0-5	8.9	10.1	0.0058	3,819
B-5	0-5	8.6	56.9	0.0173	3,283



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

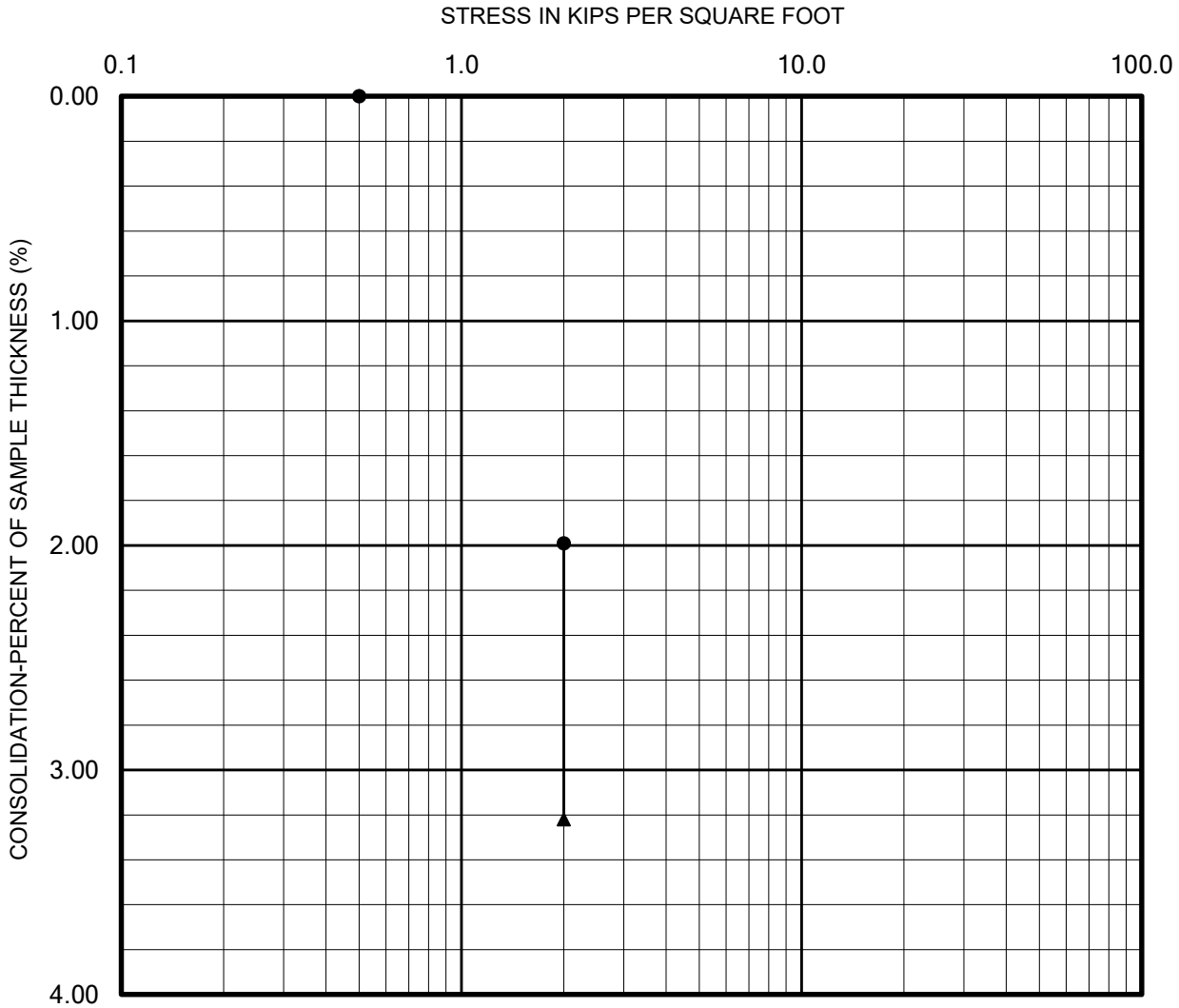
GEOTEK

CHECKED BY: DA	Lab: Corona
PROJECT NO.: 2901-CR	Date: 10/18/21

COLLAPSE REPORT

Sample: B-1 @ 6 feet

Plate B-1



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

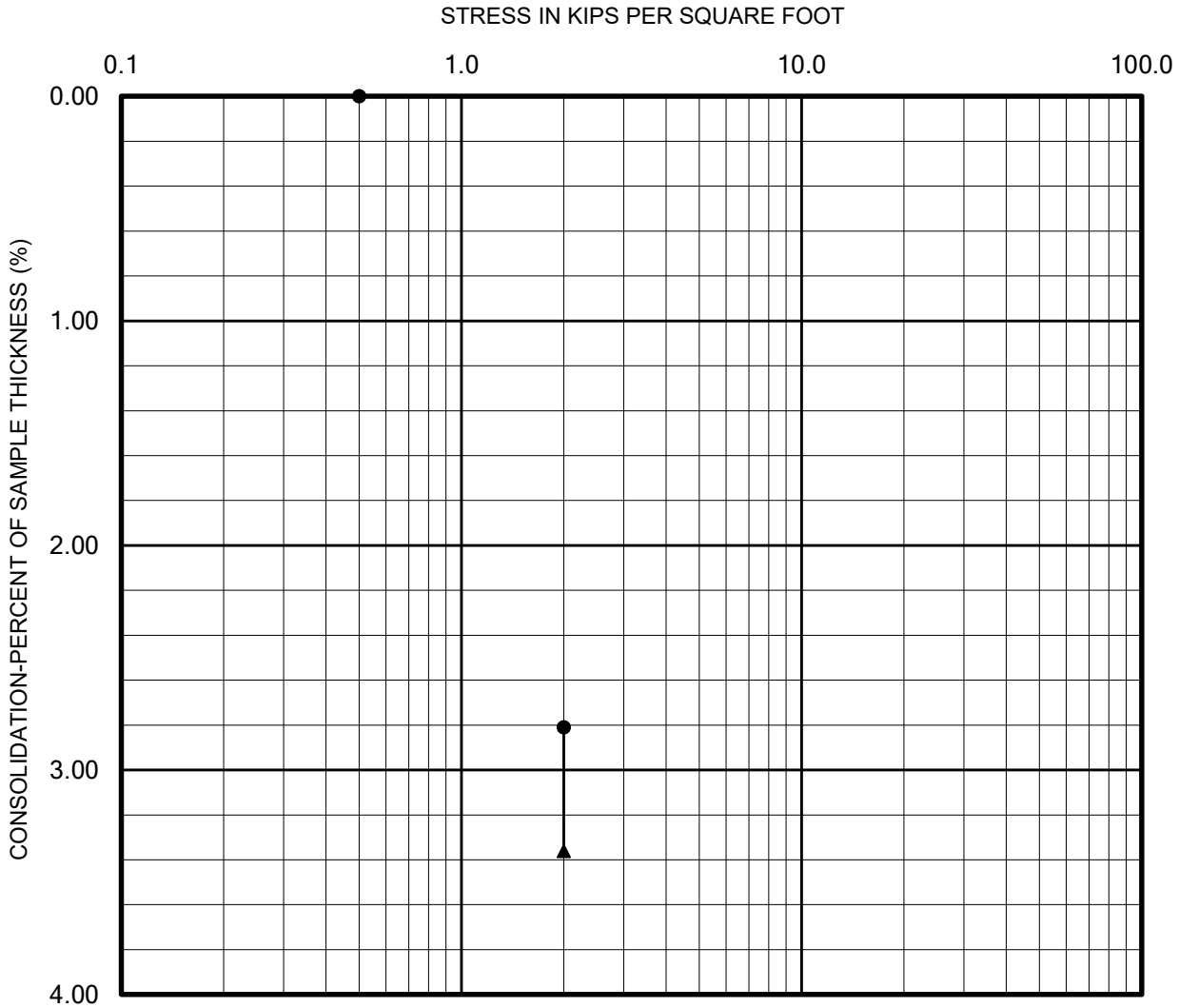
GEOTEK

CHECKED BY: DA	Lab: Corona
PROJECT NO.: 2901-CR	Date: 10/18/21

COLLAPSE REPORT

Sample: B-2 @ 5 feet

Plate B-2



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

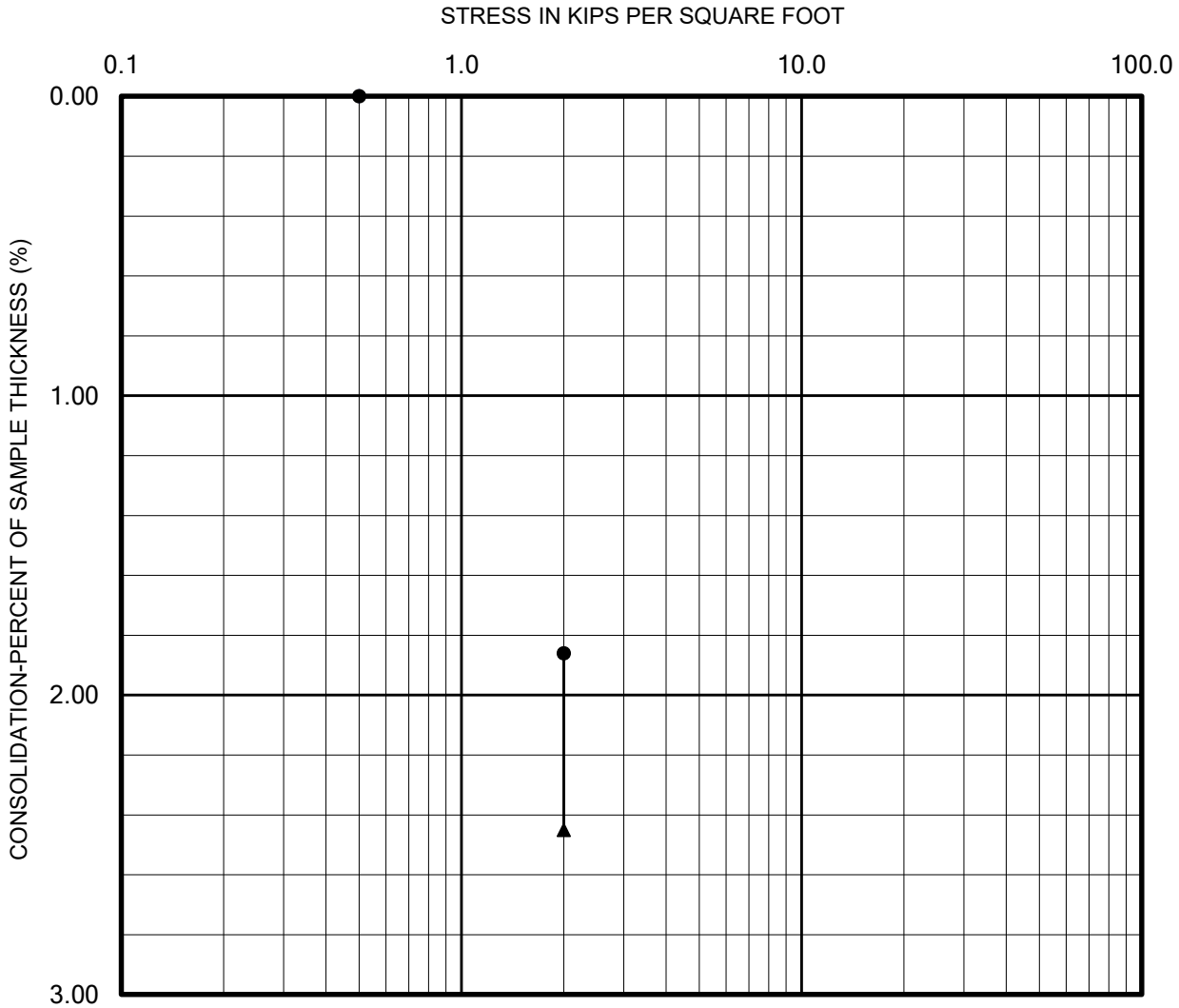
GEOTEK

CHECKED BY: DA	Lab: Corona
PROJECT NO.: 2901-CR	Date: 10/18/21

COLLAPSE REPORT

Sample: B-5 @ 7.5 feet

Plate B-3



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

GEOTEK

CHECKED BY: DA	Lab: Corona
PROJECT NO.: 2901-CR	Date: 10/18/21

COLLAPSE REPORT

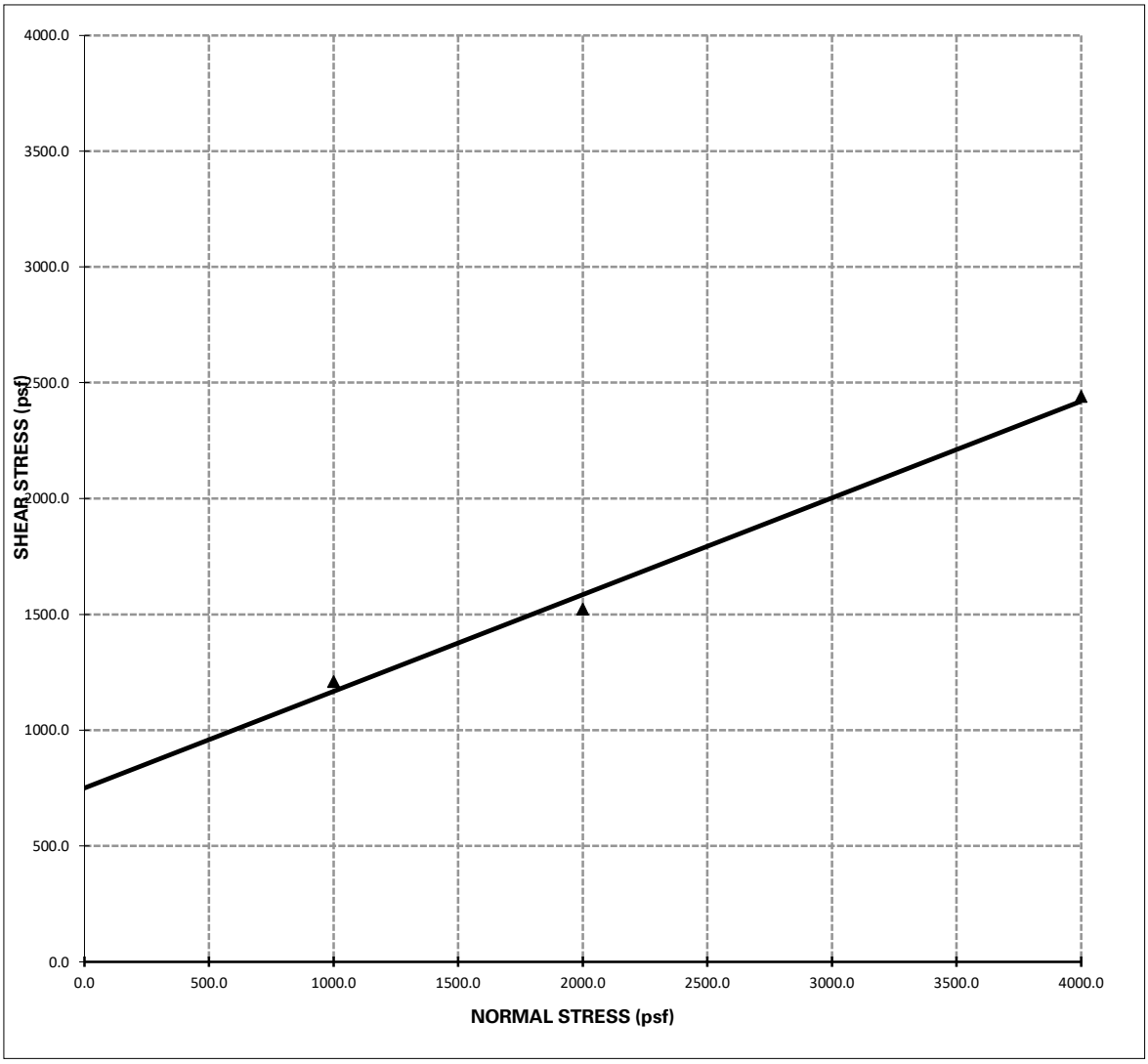
Sample: B-5 @ 10 feet

Plate B-4

DIRECT SHEAR TEST

Project Name:	17802 Irvine Boulevard, Tustin	***Sample Location:***	B-3 @ 0-5 feet
Project Number:	2901-CR	***Date Tested:***	10/19/2021

PEAK VALUE



Shear Strength: Φ = **23** ^{o} , **C = 750 psf**

Notes: 1 - The soil specimen used in the shear box was a ring sample remolded to approximately 90% relative compaction from a bulk sample collected during the field investigation.

2 - The above reflect direct shear strength at saturated conditions.

3 - The tests were run at a shear rate of 0.035 in/min.

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	Intracorp SW LLC	***Tested/ Checked By:***	DA Lab No Corona
Project Number:	2901-CR	***Date Tested:***	10/14/2021
Project Location:	17802 Irvine Boulevard, Tustin	***Sample Source:***	B-5 @ 0-5 feet
		Sample Description:	

Ring #: _____ Ring Dia. : 4.01" Ring Ht. 1"

DENSITY DETERMINATION

A	Weight of compacted sample & ring (gm)	768.6
B	Weight of ring (gm)	365.6
C	Net weight of sample (gm)	**403.0**
D	Wet Density, lb / ft3 (C*0.3016)	**121.5**
E	Dry Density, lb / ft3 (D/1.F)	**110.8**

SATURATION DETERMINATION

F	Moisture Content, %	9.7
G	Specific Gravity, assumed	**2.70**
H	Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
I	% Saturation	**50.3**

READINGS

DATE	TIME	READING	
10/14/2021		0.5310	Initial
10/14/2021		0.5320	10 min/Dry
10/15/2021		0.5380	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
791.1	**15.3**

EXPANSION INDEX = 6

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	Intracorp SW LLC	***Tested/ Checked By:***	DA Lab No Corona
Project Number:	2901-CR	***Date Tested:***	10/14/2021
Project Location:	17802 Irvine Boulevard, Tustin	***Sample Source:***	B-1 @ 0-5 feet
		Sample Description:	

Ring #: _____ Ring Dia. : 4.01" Ring Ht. 1"

DENSITY DETERMINATION

A	Weight of compacted sample & ring (gm)	769.4
B	Weight of ring (gm)	362.2
C	Net weight of sample (gm)	**407.2**
D	Wet Density, lb / ft3 (C*0.3016)	**122.8**
E	Dry Density, lb / ft3 (D/1.F)	**112.9**

SATURATION DETERMINATION

F	Moisture Content, %	8.8
G	Specific Gravity, assumed	**2.70**
H	Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
I	% Saturation	**48.2**

READINGS

DATE	TIME	READING	
10/14/2021		0.1350	Initial
10/14/2021		0.1350	10 min/Dry
10/15/2021		0.1500	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
803.6	**17.2**

EXPANSION INDEX = 15

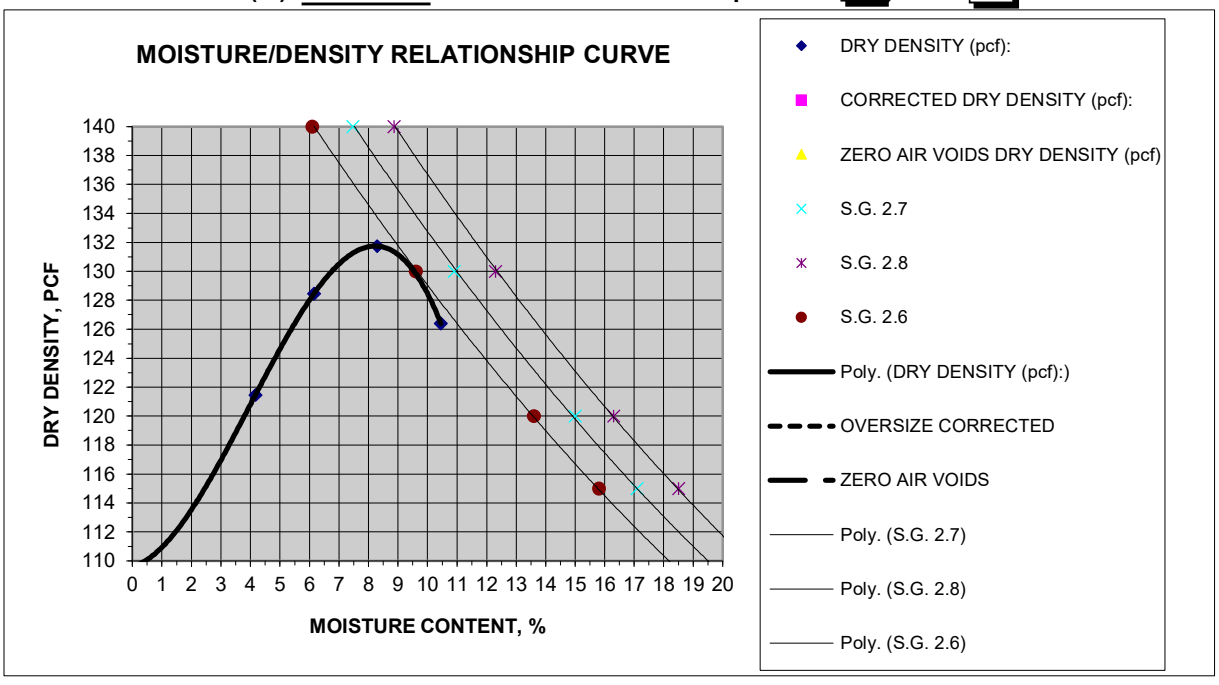
GEOTEK

MOISTURE/DENSITY RELATIONSHIP

Client:	Intracorp SW LLC	**Job No.:**	2901-CR
Project:	17802 Irvine Blvd	**Lab No.:**	Corona
Location:	Tustin		
Material Type:	Brown silty sand		
Material Supplier:	-		
Material Source:	B-3 @ 0-5 feet		
Sample Location:	-		
	-		
Sampled By:	CD	**Date Sampled:**	10/5/2021
Received By:	ADLC	**Date Received:**	10/6/2021
Tested By:	ADLC	**Date Tested:**	10/18/2021
Reviewed By:	DA	**Date Reviewed:**	10/20/2021

Test Procedure: ASTM D1557 **Method:** A

Oversized Material (%): 19.3 **Correction Required:** [ ] yes [x] no



MOISTURE DENSITY RELATIONSHIP VALUES

Maximum Dry Density, pcf	131.8	**@ Optimum Moisture, %**	8.3
Corrected Maximum Dry Density, pcf		**@ Optimum Moisture, %**	

MATERIAL DESCRIPTION

Grain Size Distribution:

	% Gravel (retained on No. 4)
	% Sand (Passing No. 4, Retained on No. 200)
	% Silt and Clay (Passing No. 200)

Atterberg Limits:

	Liquid Limit, %
	Plastic Limit, %
	Plasticity Index, %

Classification:

Unified Soils Classification: _____

AASHTO Soils Classification: _____

Results Only Soil Testing for 17802 Irvin Blvd, Tustin

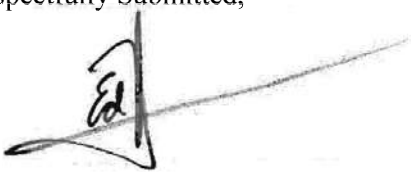
October 14, 2021

Prepared for:

Bruce Hick
GeoTek, Inc.
1548 North Maple Street
Corona, CA 92280
bhicks@geotekusa.com

Project X Job#: S211013F
Client Job or PO#: 2902-CR Intra Corp. Companies

Respectfully Submitted,



Eduardo Hernandez, M.Sc., P.E.
Sr. Corrosion Consultant
NACE Corrosion Technologist #16592
Professional Engineer
California No. M37102
ehernandez@projectxcorrosion.com



Soil Analysis Lab Results

Client: GeoTek, Inc.
Job Name: 17802 Irvin Blvd, Tustin
Client Job Number: 2902-CR Intra Corp. Companies
Project X Job Number: S211013F
October 14, 2021

	Method	ASTM D4327		ASTM D4327		ASTM G187		ASTM D4972	ASTM G200	ASTM D4658	ASTM D4327	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D4327	ASTM D4327
Bore# / Description	**Depth**	**Sulfates** SO_4^{2-}		**Chlorides** Cl^-		**Resistivity** As Rec'd | Minimum		**pH**	**Redox**	**Sulfide** S^{2-}	**Nitrate** NO_3^-	**Ammonium** NH_4^+	**Lithium** Li^+	**Sodium** Na^+	**Potassium** K^+	**Magnesium** Mg^{2+}	**Calcium** Ca^{2+}	**Fluoride** F_2^-	**Phosphate** PO_4^{3-}
	(ft)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(Ohm-cm)	(Ohm-cm)		(mV)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2901-CR B5	0-5	172.8	0.0173	56.9	0.0057	8,710	3,283	8.6	140	0.11	12.7	0.2	ND	85.7	4.9	34.1	17.4	4.5	10.9
2901-CR B1	0-5	57.9	0.0058	10.1	0.0010	24,120	3,819	8.9	139	0.29	12.6	0.9	ND	106.1	5.5	22.8	21.3	3.4	2.4

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
ND = 0 = Not Detected | NT = Not Tested | Unk = Unknown
Chemical Analysis performed on 1:3 Soil-To-Water extract
PPM = mg/kg (soil) = mg/L (Liquid)

Project X
Corrosion Engineering
Corrosion Control - Soil, Water, and Metallurgy Lab

Lab Request Sheet Chain of Custody
Phone: (213) 928-7213 · Fax (951) 226-1720 · www.projectxcorrosion.com

Ship Samples To: 29990 Technology Dr, Suite 13, Murrieta, CA 92563

Project X Job Number: S211013E Geotek 2901-CR 17802 Irvin Blvd. 2 Full

IMPORTANT: Please complete Project and Sample Identification Data as you would like it to appear in report & include this form with samples.

Company Name:	Geotek USA	Contact Name:	Bruce Hick
Phone No:	661-233-5229		
Mailing Address:	1548 N. Maple Ave. Corona, CA	Contact Email:	bhick@geotekusa.com
Accounting Contact:		Invoice Email:	bhick@geotekusa.com
Client Project No:	2901-CR Intra Corp. Companius	Project Name:	17802 Irvin Blvd. Tustin

P.O. #:

(Business Days) Turn Around Time: 3-5 Day Standard | 3 Day Guarantee 50% mark-up | 2 Day RUSH 100% mark-up

Results By: ☐ Phone ☐ Fax ☐ Email

Date & Received by: 10/13/21 A.C

Special Instructions:

ANALYSIS REQUESTED (Please circle)

Default Method	Full Corrosion Series: Geo Quad: Soil Resistivity	pH	Sulfate	Chloride	Redox Potential	Sulfide	Ammonia	Nitrate	Flouride	Phosphate	Lithium	Sodium	Potassium	Magnesium	Calcium	BiCarbonate	Full Corrosion Series	Reports: Soil Corrosivity Evaluation Report	Water Corrosivity Mini Report	*Req: Min. 3 Samples, site map, and groundwater info	Moisture Content	Total Alkalinity	Thermal Resistivity	(ANC) Alk Neutr Cap	(SRB) Sulfate Reducing	Puckorius Index	XRF Elemental Analysis	Water Hardness
	Caltrans CTM643	Caltrans CTM643	Caltrans CTM417	Caltrans CTM422																							
	AASHTO T288	AASHTO T 289	AASHTO T 290	AASHTO T 291	SM 2580B		SM 4500-NH3	SM 4500-NO3																			
ASTM G187	ASTM G51	ASTM D4327	ASTM D4327	ASTM G200	SM 4500-S2	ASTM D4327	ASTM D4327	SM 2320B	ASTM D4327	ASTM D4327	ASTM D4327	ASTM D4327	ASTM D4327	ASTM D4327	ASTM D4327	SM 2320B					ASTM D2216	SM 2520B	IEEE 442	ASTM D5334		HACH BART		ASTM E322	ASTM A751	
																											ASTM E1621	

	SAMPLE ID - BORE #	DEPTH (ft)	DATE COLLECTED
99 1	2901-CR B5	0-5	
100 2	2901-CR B1	0-5	
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

X = Full Corrosion Series (rows 1 and 2)

APPENDIX C

PERCOLATION DATA SHEETS & PORCHET CALCULATIONS

Proposed 40 Unit Residential Development

17802 Irvine Boulevard

Tustin, Orange County, California

Project No. 2901-CR

GEOTEK

Client:	**Intracorp SW, LLC**
Project:	**17802 Irvine Blvd, Tustin**
Project No:	**2901-CR**
Date:	**10/6/2021**

Boring No. **I-1**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	10
Final Depth to Water, D_F =	43
Test Hole Radius, r =	4
Initial Depth to Water, D_O =	40
Total Test Hole Depth, D_T =	60

Equation - $I_t = \dfrac{\Delta H\,(60r)}{\Delta t\,(r+2H_{avg})}$

$H_O = D_T - D_O$ =	20
$H_F = D_T - D_F$ =	17
$\Delta H = \Delta D = H_O - H_F$ =	3
$H_{avg} = (H_O+H_F)/2$ =	18.5

I_t = 1.76 **Inches pe**

GEOTEK

Client:	**Intracorp SW, LLC**
Project:	**17802 Irvine Blvd, Tustin**
Project No:	**2901-CR**
Date:	**10/6/2021**

Boring No. **I-2**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	10
Final Depth to Water, D_F =	43
Test Hole Radius, r =	4
Initial Depth to Water, D_O =	40
Total Test Hole Depth, D_T =	60

Equation - $I_t = \dfrac{\Delta H\,(60r)}{\Delta t\,(r+2H_{avg})}$

$H_O = D_T - D_O$ =	20
$H_F = D_T - D_F$ =	17
$\Delta H = \Delta D = H_O - H_F$ =	3
$H_{avg} = (H_O+H_F)/2$ =	18.5

I_t = 1.76 **Inches pe**

GEOTEK

Percolation Test Data Sheet

Project: Intracorp Companies 17802 Irvine Blvd Tustin CA Job No.: 2901-CR

Test Hole No.: I-1 Date Excavated: 10/5/21

Depth of Test Hole (ft): 5ft Soil Description: Silty F-M Sand

Percolation Test By: C.D Date: 10/6/21 Presoak: Yes

Percolation Test Data

Time	Time Interval (min)	Total Elapsed Time (min)	Initial Water Level (inches)	Final Water Level (inches)	Δ in Water Level (inches)	Percolation Rate (min/inch)
6:58 7:23	25	25	20	12	8	
7:24 7:49	25	51	20	12 ½	7.5	
7:50 8:00	10	62	20	17	3	
8:01 8:11	10	73	20	17	3	
8:12 8:22	10	84	20	17	3	
8:23 8:33	10	95	20	17	3	
8:34 8:44	10	106	20	17	3	
8:45 8:55	10	117	20	17	3	

Design Percolation Rate: min/inch

Percolation Test Data Sheet

Project: Intra corp. Companies 17802 Irvine Blvd - Tustin CA Job No.: 2901-CR

Test Hole No.: I-2 Date Excavated: 10/5/21

Depth of Test Hole (ft): 5ft Soil Description: Silty F-M Sand

Percolation Test By: C.D Date: 10/6/21 Presoak: Yes

Percolation Test Data

Time	Time Interval (min)	Total Elapsed Time (min)	Initial Water Level (inches)	Final Water Level (inches)	Δ in Water Level (inches)	Percolation Rate (min/inch)
6:51 7:16	25	25	20	13	7	
7:17 7:42	25	51	20	13 ½	6.5	
7:43 7:53	10	62	20	17 ½	2.5	
7:54 8:04	10	73	20	17	3	
8:05 8:15	10	84	20	17	3	
8:16 8:26	10	95	20	17	3	
8:27 8:37	10	106	20	17	3	
8:38 8:48	10	117	20	17	3	

Design Percolation Rate: min/inch

APPENDIX D

GENERAL GRADING GUIDELINES

Proposed 40 Unit Residential Development
17802 Irvine Boulevard
Tustin, Orange County, California
Project No. 2901-CR

GEOTEK

GENERAL GRADING GUIDELINES

Guidelines presented herein are intended to address general construction procedures for earthwork construction. Specific situations and conditions often arise which cannot reasonably be discussed in general guidelines, when anticipated these are discussed in the text of the report. Often unanticipated conditions are encountered which may necessitate modification or changes to these guidelines. It is our hope that these will assist the contractor to more efficiently complete the project by providing a reasonable understanding of the procedures that would be expected during earthwork and the testing and observation used to evaluate those procedures.

General

Grading should be performed to at least the minimum requirements of governing agencies, Chapters 18 and 33 of the Uniform Building Code, CBC (2019) and the guidelines presented below.

Preconstruction Meeting

A preconstruction meeting should be held prior to site earthwork. Any questions the contractor has regarding our recommendations, general site conditions, apparent discrepancies between reported and actual conditions and/or differences in procedures the contractor intends to use should be brought up at that meeting. The contractor (including the main onsite representative) should review our report and these guidelines in advance of the meeting. Any comments the contractor may have regarding these guidelines should be brought up at that meeting.

Grading Observation and Testing

1. Observation of the fill placement should be provided by our representative during grading. Verbal communication during the course of each day will be used to inform the contractor of test results. The contractor should receive a copy of the "Daily Field Report" indicating results of field density tests that day. If our representative does not provide the contractor with these reports, our office should be notified.
2. Testing and observation procedures are, by their nature, specific to the work or area observed and location of the tests taken, variability may occur in other locations. The contractor is responsible for the uniformity of the grading operations; our observations and test results are intended to evaluate the contractor's overall level of efforts during grading. The contractor's personnel are the only individuals participating in all aspect of site work. Compaction testing and observation should not be considered as relieving the contractor's responsibility to properly compact the fill.
3. Cleanouts, processed ground to receive fill, key excavations, and subdrains should be observed by our representative prior to placing any fill. It will be the contractor's responsibility to notify our representative or office when such areas are ready for observation.
4. Density tests may be made on the surface material to receive fill, as considered warranted by this firm.
5. In general, density tests would be made at maximum intervals of two feet of fill height or every 1,000 cubic yards of fill placed. Criteria will vary depending on soil conditions and size of the fill. More frequent testing may be performed. In any case, an adequate number of field density tests should be made to evaluate the required compaction and moisture content is generally being obtained.

6. Laboratory testing to support field test procedures will be performed, as considered warranted, based on conditions encountered (e.g. change of material sources, types, etc.) Every effort will be made to process samples in the laboratory as quickly as possible and in progress construction projects are our first priority. However, laboratory workloads may cause in delays and some soils may require a **minimum of 48 to 72 hours to complete test procedures**. Whenever possible, our representative(s) should be informed in advance of operational changes that might result in different source areas for materials.
7. Procedures for testing of fill slopes are as follows:
   a) Density tests should be taken periodically during grading on the flat surface of the fill, three to five feet horizontally from the face of the slope.
   b) If a method other than over building and cutting back to the compacted core is to be employed, slope compaction testing during construction should include testing the outer six inches to three feet in the slope face to determine if the required compaction is being achieved.
8. Finish grade testing of slopes and pad surfaces should be performed after construction is complete.

Site Clearing

1. All vegetation, and other deleterious materials, should be removed from the site. If material is not immediately removed from the site it should be stockpiled in a designated area(s) well outside of all current work areas and delineated with flagging or other means. Site clearing should be performed in advance of any grading in a specific area.
2. Efforts should be made by the contractor to remove all organic or other deleterious material from the fill, as even the most diligent efforts may result in the incorporation of some materials. This is especially important when grading is occurring near the natural grade. All equipment operators should be aware of these efforts. Laborers may be required as root pickers.
3. Nonorganic debris or concrete may be placed in deeper fill areas provided the procedures used are observed and found acceptable by our representative. Typical procedures are similar to those indicated on Plate G-4.

Treatment of Existing Ground

1. Following site clearing, all surficial deposits of alluvium and colluvium as well as weathered or creep effected bedrock, should be removed (see Plates G-1, G-2 and G-3) unless otherwise specifically indicated in the text of this report.
2. In some cases, removal may be recommended to a specified depth (e.g. flat sites where partial alluvial removals may be sufficient). The contractor should not exceed these depths unless directed otherwise by our representative.
3. Groundwater existing in alluvial areas may make excavation difficult. Deeper removals than indicated in the text of the report may be necessary due to saturation during winter months.
4. Subsequent to removals, the natural ground should be processed to a depth of six inches, moistened to near optimum moisture conditions and compacted to fill standards.
5. Exploratory back hoe or dozer trenches still remaining after site removal should be excavated and filled with compacted fill if they can be located.

Subdrainage

1. Subdrainage systems should be provided in canyon bottoms prior to placing fill, and behind buttress and stabilization fills and in other areas indicated in the report. Subdrains should conform to schematic diagrams G-1 and G-5, and be acceptable to our representative.
2. For canyon subdrains, runs less than 500 feet may use six-inch pipe. Typically, runs in excess of 500 feet should have the lower end as eight-inch minimum.
3. Filter material should be clean, 1/2 to 1-inch gravel wrapped in a suitable filter fabric. Class 2 permeable filter material per California Department of Transportation Standards tested by this office to verify its suitability, may be used without filter fabric. A sample of the material should be provided to the Soils Engineer by the contractor at least two working days before it is delivered to the site. The filter should be clean with a wide range of sizes.
4. Approximate delineation of anticipated subdrain locations may be offered at 40-scale plan review stage. During grading, this office would evaluate the necessity of placing additional drains.
5. All subdrainage systems should be observed by our representative during construction and prior to covering with compacted fill.
6. Subdrains should outlet into storm drains where possible. Outlets should be located and protected. The need for backflow preventers should be assessed during construction.
7. Consideration should be given to having subdrains located by the project surveyors.

Fill Placement

1. Unless otherwise indicated, all site soil and bedrock may be reused for compacted fill; however, some special processing or handling may be required (see text of report).
2. Material used in the compacting process should be evenly spread, moisture conditioned, processed, and compacted in thin lifts six (6) to eight (8) inches in compacted thickness to obtain a uniformly dense layer. The fill should be placed and compacted on a nearly horizontal plane, unless otherwise found acceptable by our representative.
3. If the moisture content or relative density varies from that recommended by this firm, the contractor should rework the fill until it is in accordance with the following:
    a) Moisture content of the fill should be at or above optimum moisture. Moisture should be evenly distributed without wet and dry pockets. Pre-watering of cut or removal areas should be considered in addition to watering during fill placement, particularly in clay or dry surficial soils. The ability of the contractor to obtain the proper moisture content will control production rates.
    b) Each six-inch layer should be compacted to at least 90 percent of the maximum dry density in compliance with the testing method specified by the controlling governmental agency. In most cases, the testing method is ASTM Test Designation D 1557.
4. Rock fragments less than eight inches in diameter may be utilized in the fill, provided:
    a) They are not placed in concentrated pockets;
    b) There is a sufficient percentage of fine-grained material to surround the rocks;
    c) The distribution of the rocks is observed by, and acceptable to, our representative.
5. Rocks exceeding eight (8) inches in diameter should be taken off site, broken into smaller fragments, or placed in accordance with recommendations of this firm in areas designated suitable for rock disposal (see Plate G-4). On projects where significant large quantities of oversized materials are anticipated, alternate guidelines for placement may be included. If

significant oversize materials are encountered during construction, these guidelines should be requested.

6. In clay soil, dry or large chunks or blocks are common. If in excess of eight (8) inches minimum dimension, then they are considered as oversized. Sheepsfoot compactors or other suitable methods should be used to break up blocks. When dry, they should be moisture conditioned to provide a uniform condition with the surrounding fill.

Slope Construction

1. The contractor should obtain a minimum relative compaction of 90 percent out to the finished slope face of fill slopes. This may be achieved by either overbuilding the slope and cutting back to the compacted core, or by direct compaction of the slope face with suitable equipment.
2. Slopes trimmed to the compacted core should be overbuilt by at least three (3) feet with compaction efforts out to the edge of the false slope. Failure to properly compact the outer edge results in trimming not exposing the compacted core and additional compaction after trimming may be necessary.
3. If fill slopes are built "at grade" using direct compaction methods, then the slope construction should be performed so that a constant gradient is maintained throughout construction. Soil should not be "spilled" over the slope face nor should slopes be "pushed out" to obtain grades. Compaction equipment should compact each lift along the immediate top of slope. Slopes should be back rolled or otherwise compacted at approximately every 4 feet vertically as the slope is built.
4. Corners and bends in slopes should have special attention during construction as these are the most difficult areas to obtain proper compaction.
5. Cut slopes should be cut to the finished surface. Excessive undercutting and smoothing of the face with fill may necessitate stabilization.

Keyways, Buttress and Stabilization Fills

Keyways are needed to provide support for fill slope and various corrective procedures.

1. Side-hill fills should have an equipment-width key at their toe excavated through all surficial soil and into competent material and tilted back into the hill (Plates G-2, G-3). As the fill is elevated, it should be benched through surficial soil and slopewash, and into competent bedrock or other material deemed suitable by our representatives (See Plates G-1, G-2, and G-3).
2. Fill over cut slopes should be constructed in the following manner:
   a) All surficial soils and weathered rock materials should be removed at the cut-fill interface.
   b) A key at least one and one-half (1.5) equipment width wide (or as needed for compaction), and tipped at least one (1) foot into slope, should be excavated into competent materials and observed by our representative.
   c) The cut portion of the slope should be excavated prior to fill placement to evaluate if stabilization is necessary. The contractor should be responsible for any additional earthwork created by placing fill prior to cut excavation. (see Plate G-3 for schematic details.)
3. Daylight cut lots above descending natural slopes may require removal and replacement of the outer portion of the lot. A schematic diagram for this condition is presented on Plate G-2.
4. A basal key is needed for fill slopes extending over natural slopes. A schematic diagram for this condition is presented on Plate G-2.

5. All fill slopes should be provided with a key unless within the body of a larger overall fill mass. Please refer to Plate G-3 for specific guidelines.

Anticipated buttress and stabilization fills are discussed in the text of the report. The need to stabilize other proposed cut slopes will be evaluated during construction. Plate G-5 shows a schematic of buttress construction.

1. All backcuts should be excavated at gradients of 1:1 or flatter. The backcut configuration should be determined based on the design, exposed conditions, and need to maintain a minimum fill width and provide working room for the equipment.
2. On longer slopes, backcuts and keyways should be excavated in maximum 250 feet long segments. The specific configurations will be determined during construction.
3. All keys should be a minimum of two (2) feet deep at the toe and slope toward the heel at least one foot or two (2%) percent, whichever is greater.
4. Subdrains are to be placed for all stabilization slopes exceeding 10 feet in height. Lower slopes are subject to review. Drains may be required. Guidelines for subdrains are presented on Plate G-5.
5. Benching of backcuts during fill placement is required.

Lot Capping

1. When practical, the upper three (3) feet of material placed below finish grade should be comprised of the least expansive material available. Preferably, highly and very highly expansive materials should not be used. We will attempt to offer advice based on visual evaluations of the materials during grading, but it must be realized that laboratory testing is needed to evaluate the expansive potential of soil. Minimally, this testing takes two (2) to four (4) days to complete.
2. Transition lots (cut and fill) both per plan and those created by remedial grading (e.g. lots above stabilization fills, along daylight lines, above natural slopes, etc.) should be capped with a minimum three foot thick compacted fill blanket.
3. Cut pads should be observed by our representative(s) to evaluate the need for overexcavation and replacement with fill. This may be necessary to reduce water infiltration into highly fractured bedrock or other permeable zones, and/or due to differing expansive potential of materials beneath a structure. The overexcavation should be at least three feet. Deeper overexcavation may be recommended in some cases.

ROCK PLACEMENT AND ROCK FILL GUIDELINES

It is anticipated that large quantities of oversize material would be generated during grading. It's likely that such materials may require special handling for burial. Although alternatives may be developed in the field, the following methods of rock disposal are recommended on a preliminary basis.

Limited Larger Rock

When materials encountered are principally soil with limited quantities of larger rock fragments or boulders, placement in windrows is recommended. The following procedures should be applied:

1. Oversize rock (greater than 8 inches) should be placed in windrows.
    a) Windrows are rows of single file rocks placed to avoid nesting or clusters of rock.
    b) Each adjacent rock should be approximately the same size (within ~one foot in diameter).

c) The maximum rock size allowed in windrows is four feet

2. A minimum vertical distance of three feet between lifts should be maintained. Also, the windrows should be offset from lift to lift. Rock windrows should not be closer than 15 feet to the face of fill slopes and sufficient space must be maintained for proper slope construction (see Plate G-4).
3. Rocks greater than eight inches in diameter should not be placed within seven feet of the finished subgrade for a roadway or pads and should be held below the depth of the lowest utility. This will allow easier trenching for utility lines.
4. Rocks greater than four feet in diameter should be broken down, if possible, or they may be placed in a dozer trench. Each trench should be excavated into the compacted fill a minimum of one foot deeper than the largest diameter of rock.
   a) The rock should be placed in the trench and granular fill materials (SE>30) should be flooded into the trench to fill voids around the rock.
   b) The over size rock trenches should be no closer together than 15 feet from any slope face.
   c) Trenches at higher elevation should be staggered and there should be a minimum of four feet of compacted fill between the top of the one trench and the bottom of the next higher trench.
   d) It would be necessary to verify 90 percent relative compaction in these pits. A 24 to 72 hour delay to allow for water dissipation should be anticipated prior to additional fill placement.

Structural Rock Fills

If the materials generated for placement in structural fills contains a significant percentage of material more than six (6) inches in one dimension, then placement using conventional soil fill methods with isolated windrows would not be feasible. In such cases the following could be considered:

1. Mixes of large rock or boulders may be placed as rock fill. They should be below the depth of all utilities both on pads and in roadways and below any proposed swimming pools or other excavations. If these fills are placed within seven (7) feet of finished grade, they may affect foundation design.
2. Rock fills are required to be placed in horizontal layers that should **not exceed two feet in thickness, or the maximum rock size present, which ever is less**. All rocks exceeding two feet should be broken down to a smaller size, windrowed (see above), or disposed of in non-structural fill areas. Localized larger rock up to 3 feet in largest dimension may be placed in rock fill as follows:
   a) individual rocks are placed in a given lift so as to be roughly 50% exposed above the typical surface of the fill ,
   b) loaded rock trucks or alternate compactors are worked around the rock on all sides to the satisfaction of the soil engineer,
   c) the portion of the rock above grade is covered with a second lift.
3. Material placed in each lift should be well graded. No unfilled spaces (voids) should be permitted in the rock fill.

Compaction Procedures

Compaction of rock fills is largely procedural. The following procedures have been found to generally produce satisfactory compaction.

1. Provisions for routing of construction traffic over the fill should be implemented.
   a) Placement should be by rock trucks crossing the lift being placed and dumping at its edge.
   b) The trucks should be routed so that each pass across the fill is via a different path and that all areas are uniformly traversed.
   c) The dumped piles should be knocked down and spread by a large dozer (D-8 or larger suggested). (Water should be applied before and during spreading.)
2. Rock fill should be generously watered (sluiced)
   a) Water should be applied by water trucks to the:
      i) dump piles,
      ii) front face of the lift being placed and,
      iii) surface of the fill prior to compaction.
   b) No material should be placed without adequate water.
   c) The number of water trucks and water supply should be sufficient to provide constant water.
   d) Rock fill placement should be suspended when water trucks are unavailable:
      i) for more than 5 minutes straight, or,
      ii) for more than 10 minutes/hour.
3. In addition to the truck pattern and at the discretion of the soil engineer, large, rubber tired compactors may be required.
   a) The need for this equipment will depend largely on the ability of the operators to provide complete and uniform coverage by wheel rolling with the trucks.
   b) Other large compactors will also be considered by the soil engineer provided that required compaction is achieved.
4. Placement and compaction of the rock fill is largely procedural. Observation by trenching should be made to check:
   a) the general segregation of rock size,
   b) for any unfilled spaces between the large blocks, and
   c) the matrix compaction and moisture content.
5. Test fills may be required to evaluate relative compaction of finer grained zones or as deemed appropriate by the soil engineer.
   a) A lift should be constructed by the methods proposed, as proposed
6. Frequency of the test trenching is to be at the discretion of the soil engineer. Control areas may be used to evaluate the contractor's procedures.
7. A minimum horizontal distance of 15 feet should be maintained from the face of the rock fill and any finish slope face. At least the outer 15 feet should be built of conventional fill materials.

Piping Potential and Filter Blankets

Where conventional fill is placed over rock fill, the potential for piping (migration) of the fine grained material from the conventional fill into rock fills will need to be addressed.

The potential for particle migration is related to the grain size comparisons of the materials present and in contact with each other. Provided that 15 percent of the finer soil is larger than the effective pore size of the coarse soil, then particle migration is substantially mitigated. This can be accomplished with a well-graded matrix material for the rock fill and a zone of fill similar to the matrix above it. The specific gradation of the fill materials placed during grading must be known to evaluate the need for any type of filter that may be necessary to cap the rock fills. This, unfortunately, can only be accurately determined during construction.

In the event that poorly graded matrix is used in the rock fills, properly graded filter blankets 2 to 3 feet thick separating rock fills and conventional fill may be needed. As an alternative, use of two layers of filter fabric (Mirafi 700 x or equivalent) could be employed on top of the rock fill. In order to mitigate excess puncturing, the surface of the rock fill should be well broken down and smoothed prior to placing the filter fabric. The first layer of the fabric may then be placed and covered with relatively permeable fill material (with respect to overlying material) 1 to 2 feet thick. The relative permeable material should be compacted to fill standards. The second layer of fabric should be placed and conventional fill placement continued.

Subdrainage

Rock fill areas should be tied to a subdrainage system. If conventional fill is placed that separates the rock from the main canyon subdrain, then a secondary system should be installed. A system consisting of an adequately graded base (3 to 4 percent to the lower side) with a collector system and outlets may suffice.

Additionally, at approximately every 25 foot vertical interval, a collector system with outlets should be placed at the interface of the rock fill and the conventional fill blanketing a fill slope

Monitoring

Depending upon the depth of the rock fill and other factors, monitoring for settlement of the fill areas may be needed following completion of grading. Typically, if rock fill depths exceed 40 feet, monitoring would be recommend prior to construction of any settlement sensitive improvements. Delays of 3 to 6 months or longer can be expected prior to the start of construction.

UTILITY TRENCH CONSTRUCTION AND BACKFILL

Utility trench excavation and backfill is the contractor's responsibility. The geotechnical consultant typically provides periodic observation and testing of these operations. While efforts are made to make sufficient observations and tests to verify that the contractors' methods and procedures are adequate to achieve proper compaction, it is typically impractical to observe all backfill procedures. As such, it is critical that the contractor use consistent backfill procedures.

Compaction methods vary for trench compaction and experience indicates many methods can be successful. However, procedures that "worked" on previous projects may or may not prove effective on a given site. The contractor(s) should outline the procedures proposed, so that we may discuss them **prior** to construction. We will offer comments based on our knowledge of site conditions and experience.

1. Utility trench backfill in slopes, structural areas, in streets and beneath flat work or hardscape should be brought to at least optimum moisture and compacted to at least 90 percent of the laboratory standard. Soil should be moisture conditioned prior to placing in the trench.
2. Flooding and jetting are not typically recommended or acceptable for native soils. Flooding or jetting may be used with select sand having a Sand Equivalent (SE) of 30 or higher. This is typically limited to the following uses:
   a) shallow (12 + inches) under slab interior trenches and,
   b) as bedding in pipe zone.

   The water should be allowed to dissipate prior to pouring slabs or completing trench compaction.

3. Care should be taken not to place soils at high moisture content within the upper three feet of the trench backfill in street areas, as overly wet soils may impact subgrade preparation. Moisture may be reduced to 2% below optimum moisture in areas to be paved within the upper three feet below sub grade.
4. Sand backfill should not be allowed in exterior trenches adjacent to and within an area extending below a 1:1 projection from the outside bottom edge of a footing, unless it is similar to the surrounding soil.
5. Trench compaction testing is generally at the discretion of the geotechnical consultant. Testing frequency will be based on trench depth and the contractor's procedures. A probing rod would be used to assess the consistency of compaction between tested areas and untested areas. If zones are found that are considered less compact than other areas, this would be brought to the contractor's attention.

JOB SAFETY

General

Personnel safety is a primary concern on all job sites. The following summaries are safety considerations for use by all our employees on multi-employer construction sites. On ground personnel are at highest risk of injury and possible fatality on grading construction projects. The company recognizes that construction activities will vary on each site and that job site safety is the contractor's responsibility. However, it is, imperative that all personnel be safety conscious to avoid accidents and potential injury.

In an effort to minimize risks associated with geotechnical testing and observation, the following precautions are to be implemented for the safety of our field personnel on grading and construction projects.

1. Safety Meetings: Our field personnel are directed to attend the contractor's regularly scheduled safety meetings.
2. Safety Vests: Safety vests are provided for and are to be worn by our personnel while on the job site.
3. Safety Flags: Safety flags are provided to our field technicians; one is to be affixed to the vehicle when on site, the other is to be placed atop the spoil pile on all test pits.

In the event that the contractor's representative observes any of our personnel not following the above, we request that it be brought to the attention of our office.

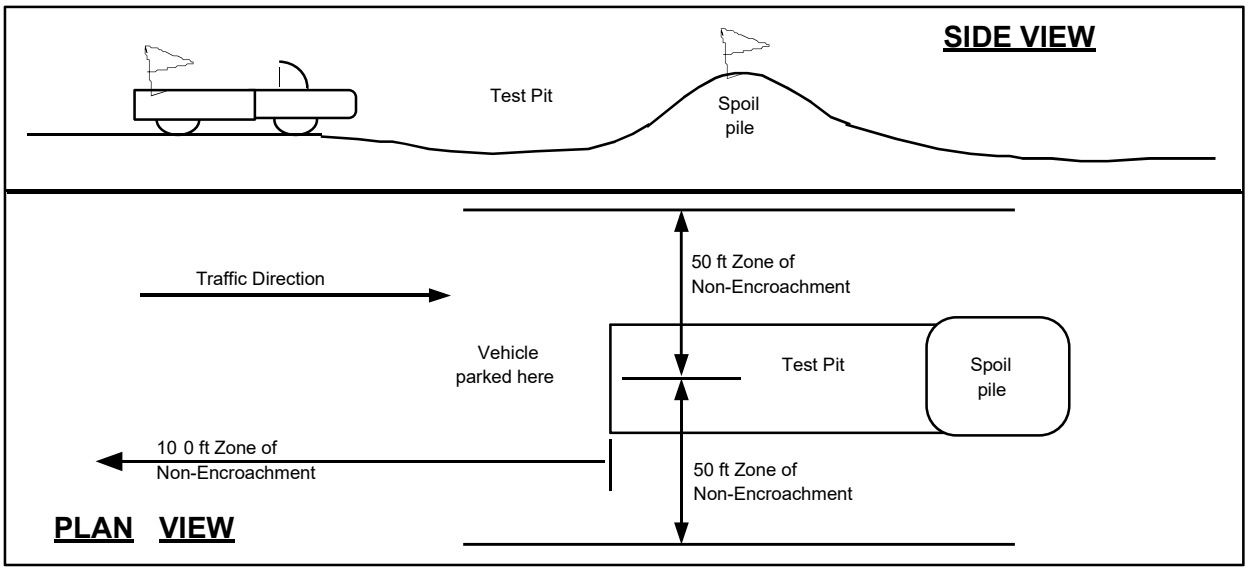
Test Pits Location, Orientation and Clearance

The technician is responsible for selecting test pit locations. The primary concern is the technician's safety. However, it is necessary to take sufficient tests at various locations to obtain a representative sampling of the fill. As such, efforts will be made to coordinate locations with the grading contractors authorized representatives (e.g. dump man, operator, supervisor, grade checker, etc.), and to select locations following or behind the established traffic pattern, preferably outside of current traffic. The contractors authorized representative should direct excavation of the pit and safety during the test period. Again, safety is the paramount concern.

Test pits should be excavated so that the spoil pile is placed away from oncoming traffic. The technician's vehicle is to be placed next to the test pit, opposite the spoil pile. This necessitates that the fill be maintained in a drivable condition. Alternatively, the contractor may opt to park a piece of equipment in front of test pits, particularly in small fill areas or those with limited access.

A zone of non-encroachment should be established for all test pits (see diagram below). No grading equipment should enter this zone during the test procedure. The zone should extend outward to the sides approximately 50 feet from the center of the test pit and 100 feet in the direction of traffic flow. This zone is established both for safety and to avoid excessive ground vibration, which typically decreases test results.

TEST PIT SAFETY PLAN



Slope Tests

When taking slope tests, the technician should park their vehicle directly above or below the test location on the slope. The contractor's representative should effectively keep all equipment at a safe operation distance (e.g. 50 feet) away from the slope during testing.

The technician is directed to withdraw from the active portion of the fill as soon as possible following testing. The technician's vehicle should be parked at the perimeter of the fill in a highly visible location.

Trench Safety

It is the contractor's responsibility to provide safe access into trenches where compaction testing is needed. Trenches for all utilities should be excavated in accordance with CAL-OSHA and any other applicable safety standards. Safe conditions will be required to enable compaction testing of the trench backfill.

All utility trench excavations in excess of 5 feet deep, which a person enters, are to be shored or laid back. Trench access should be provided in accordance with OSHA standards. Our personnel are directed not to enter any trench by being lowered or "riding down" on the equipment.

Our personnel are directed not to enter any excavation which;

1. is 5 feet or deeper unless shored or laid back,
2. exit points or ladders are not provided,
3. displays any evidence of instability, has any loose rock or other debris which could fall into the trench, or
4. displays any other evidence of any unsafe conditions regardless of depth.

If the contractor fails to provide safe access to trenches for compaction testing, our company policy requires that the soil technician withdraws and notifies their supervisor. The contractor's representative will then be contacted in an effort to affect a solution. All backfill not tested due to safety concerns or other reasons is subject to reprocessing and/or removal.

Procedures

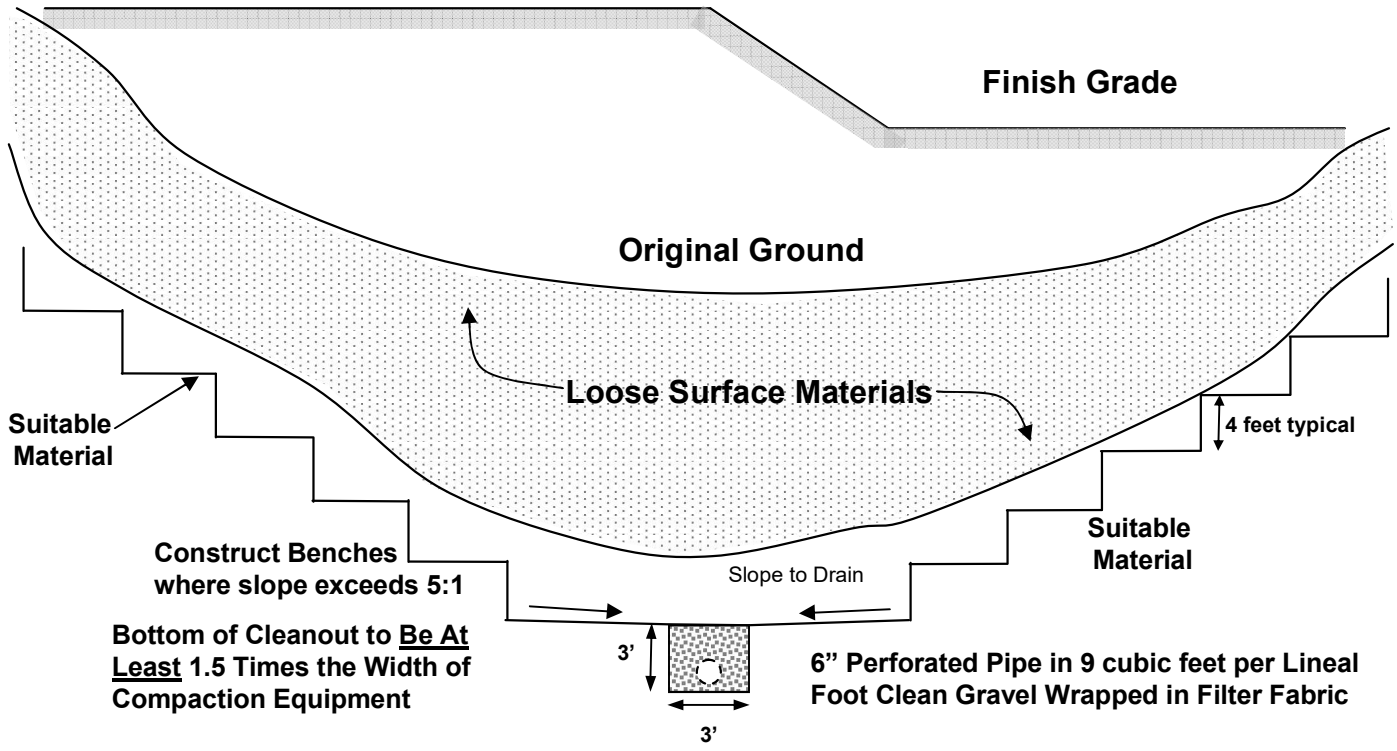
In the event that the technician's safety is jeopardized or compromised as a result of the contractor's failure to comply with any of the above, the technician is directed to inform both the developer's and contractor's representatives. If the condition is not rectified, the technician is required, by company policy, to immediately withdraw and notify their supervisor. The contractor's representative will then be contacted in an effort to affect a solution. No further testing will be performed until the situation is rectified. Any fill placed in the interim can be considered unacceptable and subject to reprocessing, recompaction or removal.

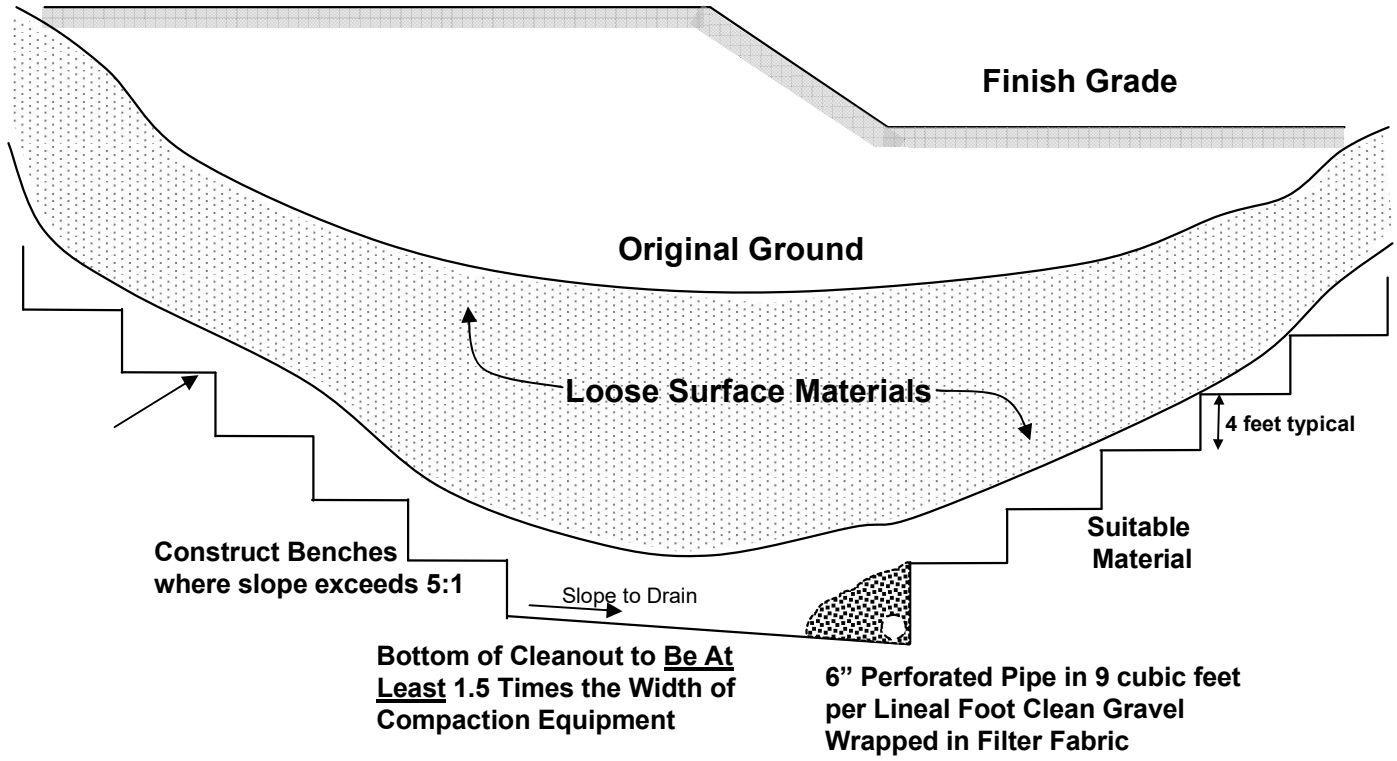
In the event that the soil technician does not comply with the above or other established safety guidelines, we request that the contractor bring this to technician's attention and notify our project manager or office. Effective communication and coordination between the contractors' representative and the field technician(s) is strongly encouraged in order to implement the above safety program and safety in general.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

ALTERNATES



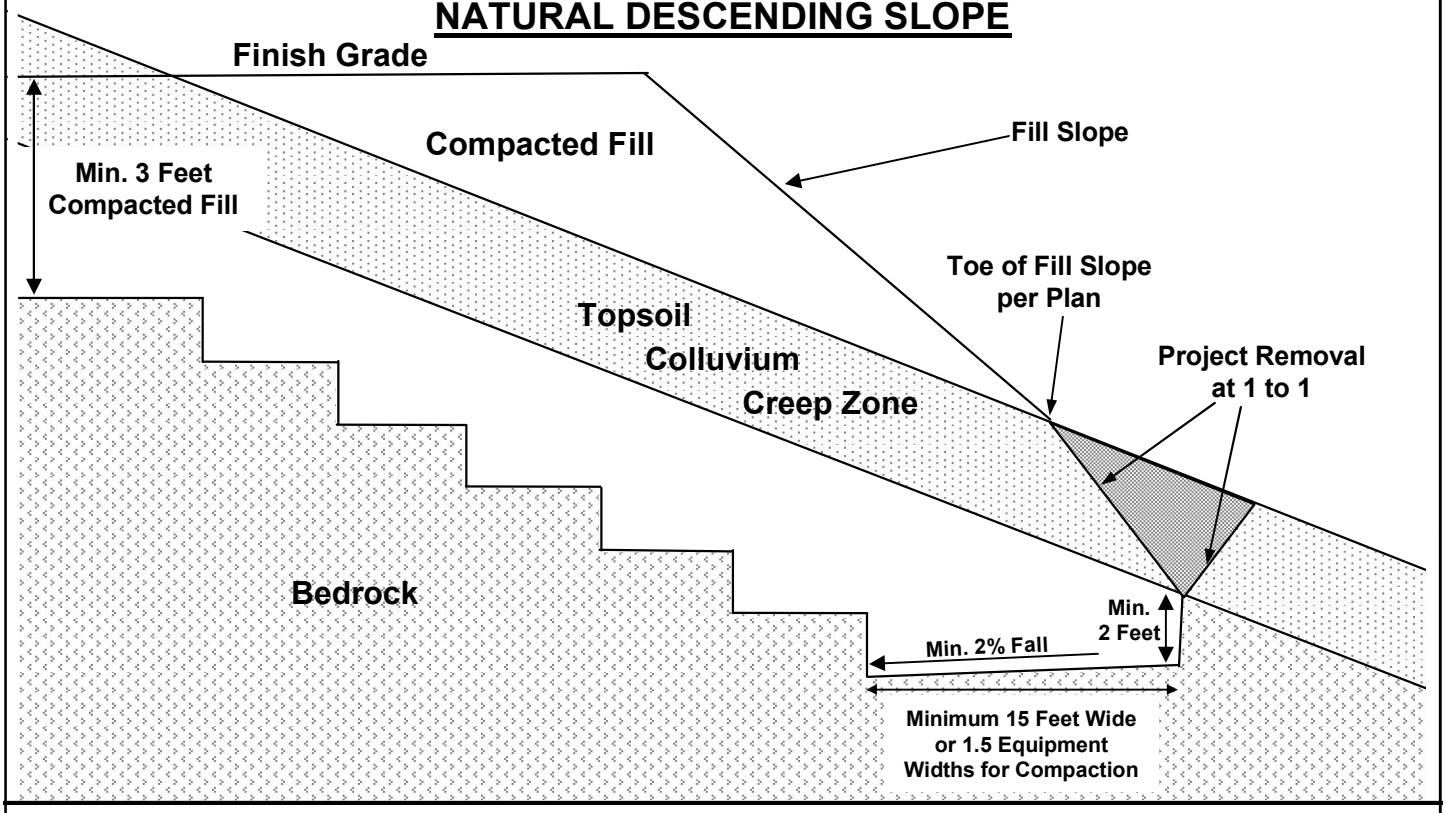


GEOTEK

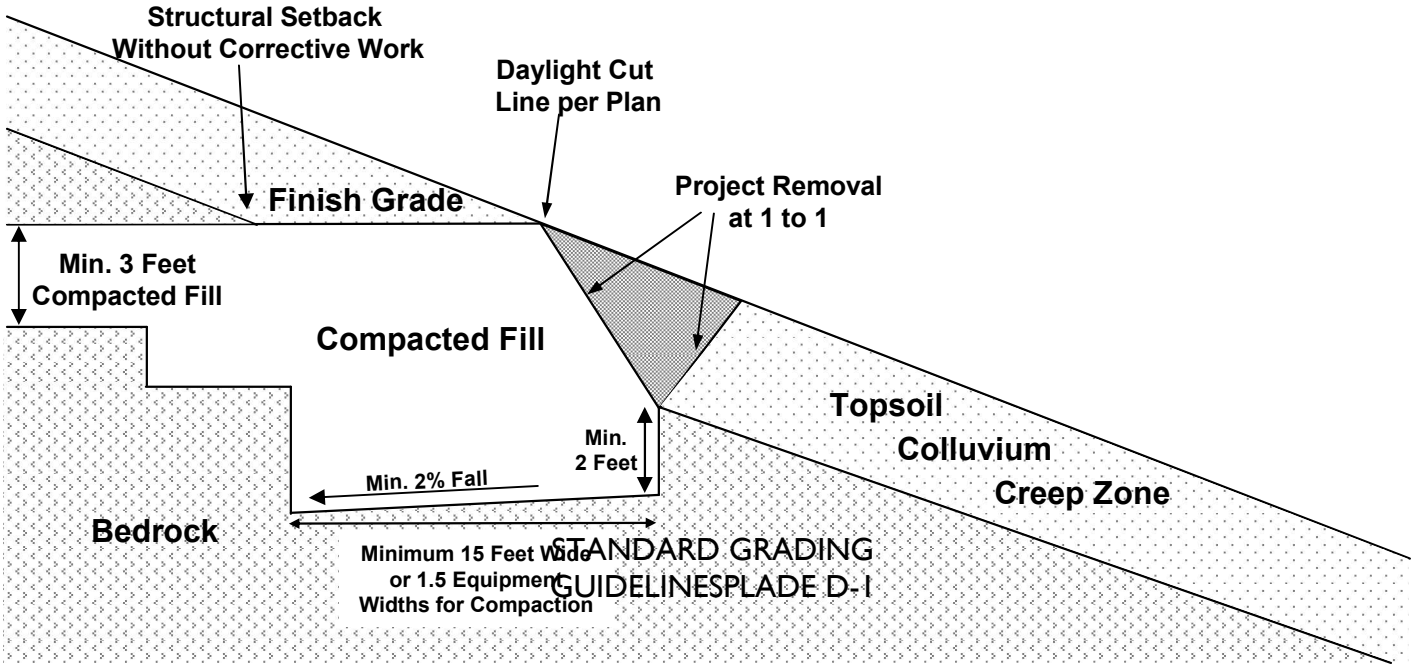
STANDARD GRADING GUIDELINES

PLATE D-1

TYPICAL FILL SLOPE OVER NATURAL DESCENDING SLOPE



DAYLIGHT CUT AREA OVER NATURAL DESCENDING SLOPE



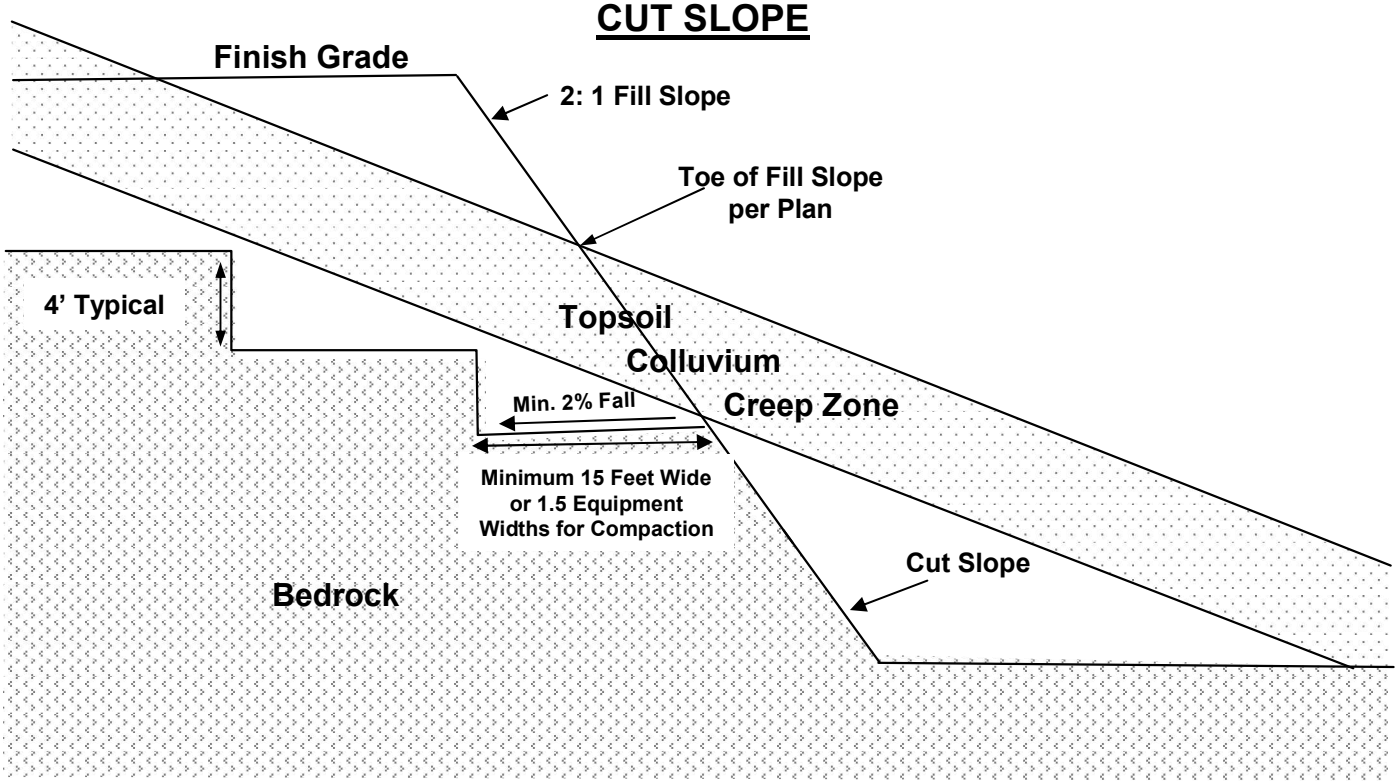
STANDARD GRADING GUIDELINESPLADE D-I

GEOTEK

STANDARD GRADING GUIDELINES

PLATE D-2

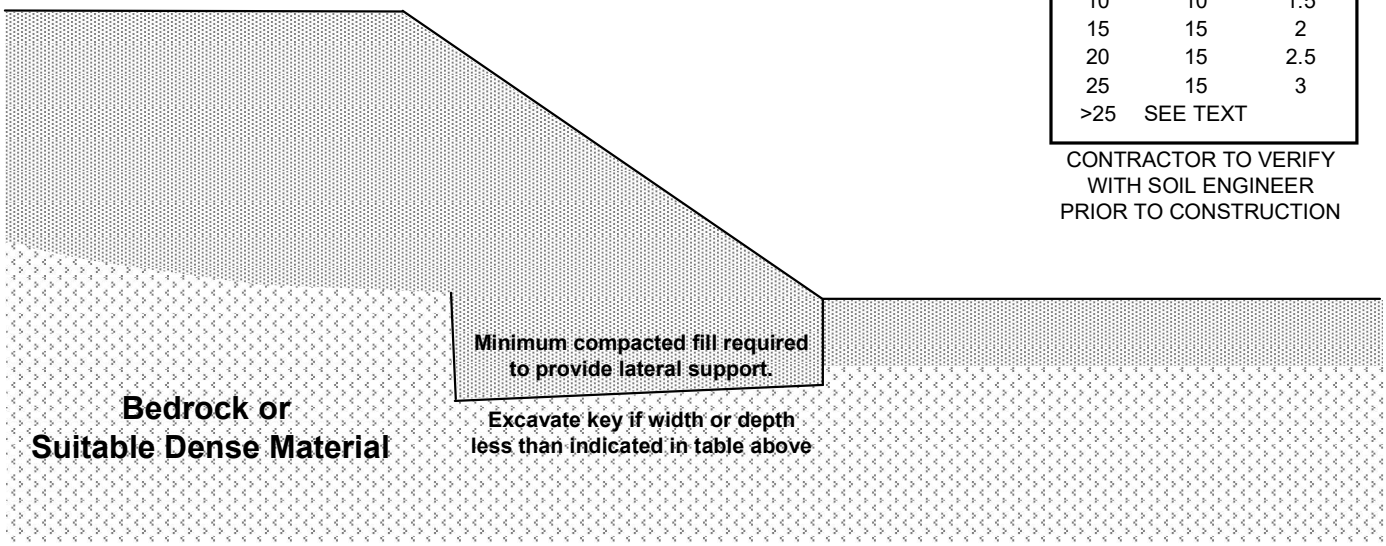
TYPICAL FILL SLOPE OVER CUT SLOPE



TYPICAL FILL SLOPE

SLOPE HEIGHT	MIN. KEY WIDTH	MIN. KEY DEPTH
5	7	1
10	10	1.5
15	15	2
20	15	2.5
25	15	3
>25	SEE TEXT	

CONTRACTOR TO VERIFY WITH SOIL ENGINEER PRIOR TO CONSTRUCTION

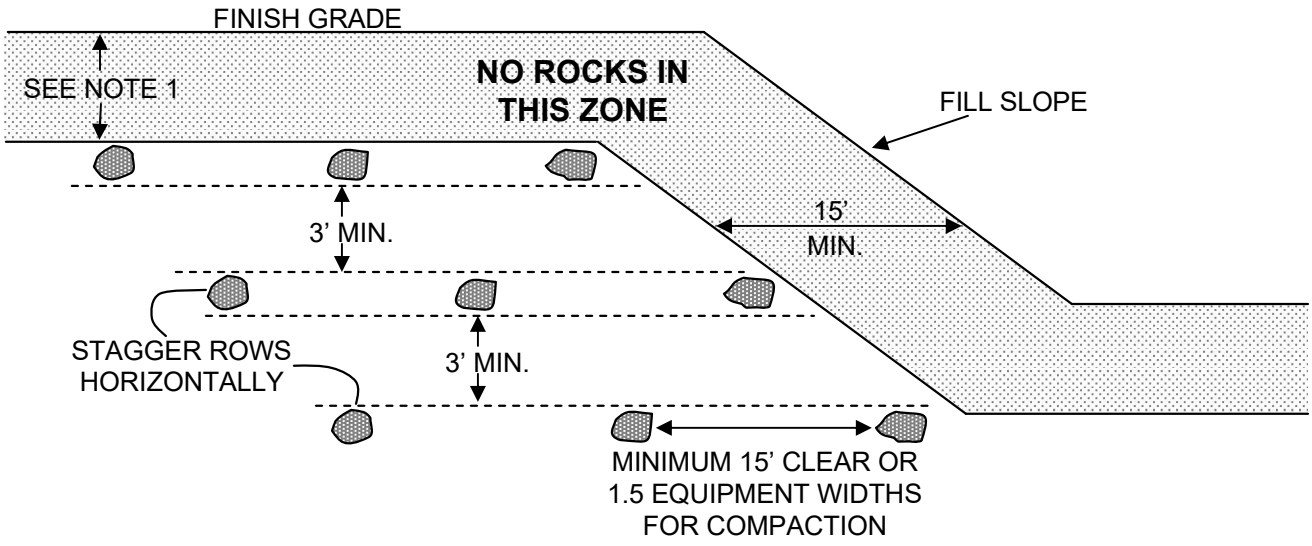


GEOTEK

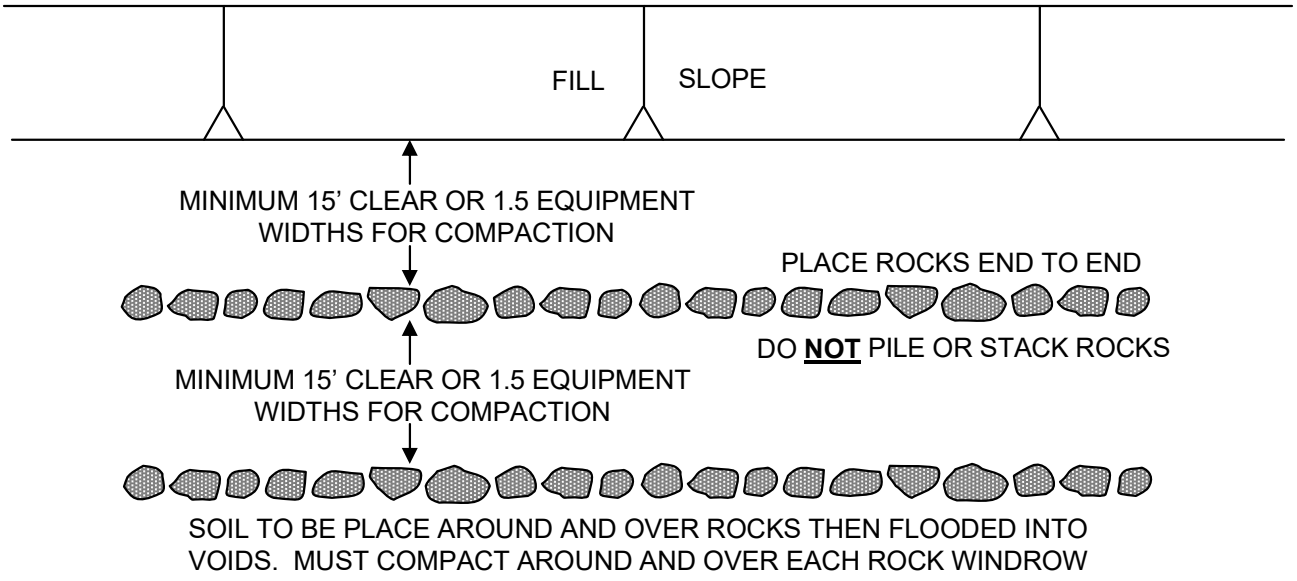
STANDARD GRADING GUIDELINES

PLATE D-3

CROSS SECTIONAL VIEW

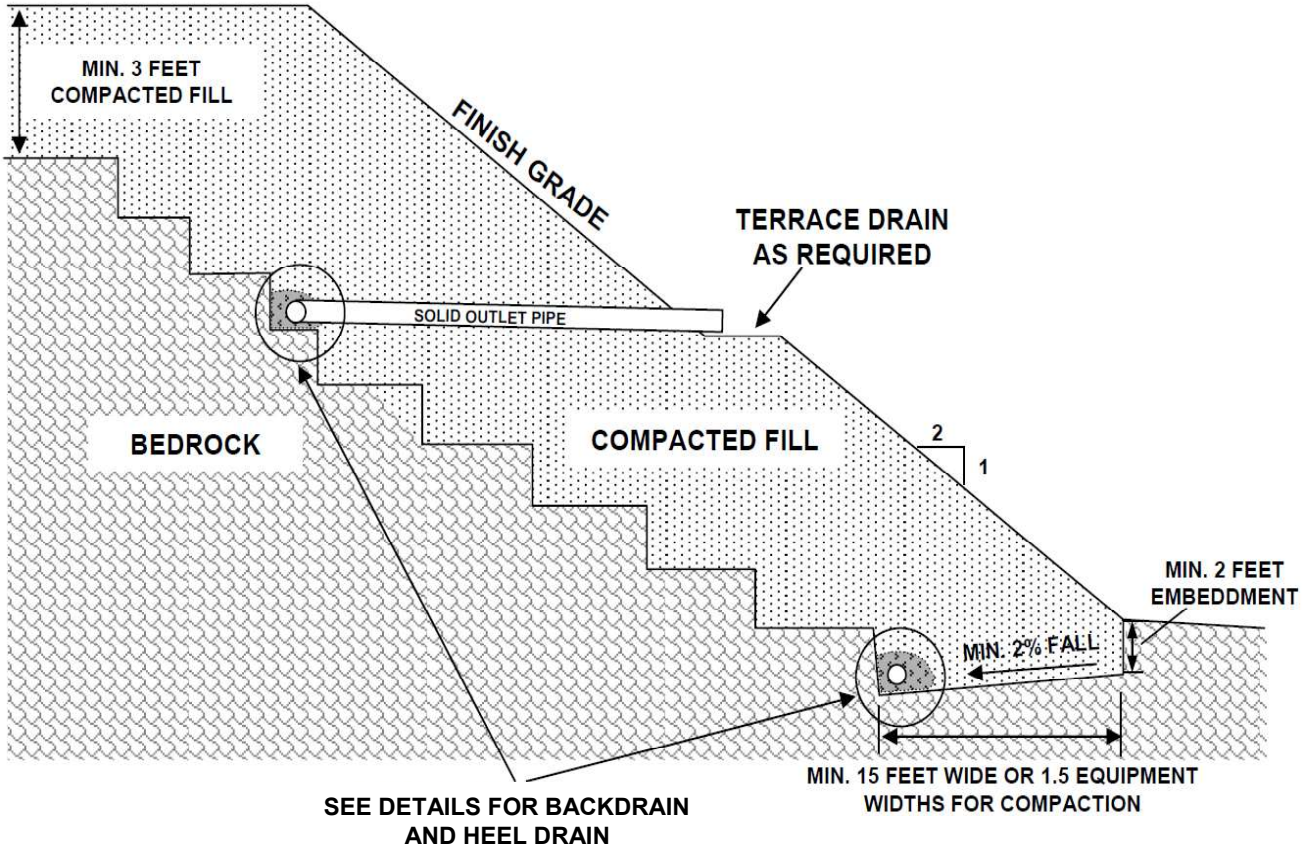


PLAN VIEW

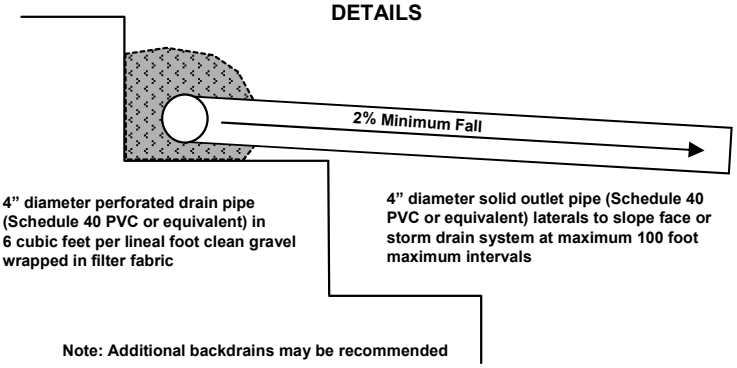


NOTES:

1) SOIL FILL OVER WINDROW SHOULD BE 7 FEET OR PER JURISDUICTIONAL STANDARDS AND SUFFICIENT FOR FUTURE EXCAVATIONS TO AVOID ROCKS
2) MAXIMUM ROCK SIZE IN WINDROWS IS 4 FEET IN DIAMETER
3) SOIL AROUND WINDROWS TO BE SANDY MATERIAL SUBJECT TO SOIL ENGINEER ACCEPTANCE
4) SPACING AND CLEARANCES MUST BE SUFFICIENT TO ALLOW FOR PROPER COMPACTION
5) INDIVDUAL LARGE ROCKS MAY BE BURIED IN PITS.



BACKDRAIN DETAILS



4" diameter perforated drain pipe (Schedule 40 PVC or equivalent) in 6 cubic feet per lineal foot clean gravel wrapped in filter fabric

4" diameter solid outlet pipe (Schedule 40 PVC or equivalent) laterals to slope face or storm drain system at maximum 100 foot maximum intervals

Note: Additional backdrains may be recommended

HEEL DRAIN DETAILS



6" diameter perforated drain pipe in 6 cubic feet per lineal foot clean gravel wrapped in filter fabric, outlet pipe to gravity flow with 2% minimum fall

GEOTEK

STANDARD GRADING GUIDELINES

PLATE D-5

Appendix E: Paleontological Resources Study

PALEONTOLOGICAL ASSESSMENT FOR THE 17802 IRVINE BOULEVARD PROJECT

TUSTIN, ORANGE COUNTY, CALIFORNIA

APNs 401-141-13 and -57

Prepared for:

EPD Solutions
2355 Main Street, Suite 100
Irvine, California 92614

Submitted to:

City of Tustin
300 Centennial Way
Tustin, California 92780

Prepared by:

Brian F. Smith and Associates, Inc.
14010 Poway Road, Suite A
Poway, California 92064

August 1, 2022

Paleontological Database Information

Author:	Todd A. Wirths, M.S., Senior Paleontologist, California Professional Geologist No. 7588
Consulting Firm:	Brian F. Smith and Associates, Inc. 14010 Poway Road, Suite A Poway, California 92064 (858) 679-8218
Report Date:	August 1, 2022
Report Title:	Paleontological Assessment for the 17802 Irvine Boulevard Project, Tustin, Orange County, California (APNs 401-141-13 and -57)
Prepared for:	EPD Solutions 2355 Main Street, Suite 100 Irvine, California 92614
Submitted to:	City of Tustin 300 Centennial Way Tustin, California 92780
Prepared by:	Brian F. Smith and Associates, Inc. 14010 Poway Road, Suite A Poway, California 92064
USGS Quadrangle:	Unsectioned Township 5 South, Range 9 West, of the USGS *Tustin, California* 7.5-minute Quadrangle
Study Area:	Approximately two acres
Key Words:	Paleontological assessment; Holocene alluvial deposits; low paleontological resource sensitivity; no monitoring recommended.

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I. INTRODUCTION AND LOCATION

A paleontological resource assessment has been completed for the 17802 Irvine Boulevard Project, located in the city of Tustin, in Orange County, California (Figures 1 and 2). The project is located at 17802 Irvine Boulevard on the south side of Irvine Boulevard northeast of the intersection of the SR-55 and I-5 freeways and consists of two parcels (Assessor's Parcel Numbers 401-141-13 and -57) totaling approximately two acres. On the northern edge of the U.S. Geological Survey 7.5-minute, 1:24,000-scale *Tustin, California* topographic quadrangle map, the project is located in an unsectioned area of Township 5 South, Range 9 West, of the San Bernardino Baseline and Meridian. The project parcel is being considered for redevelopment as a residential project.

As the lead agency, the City of Tustin has required the preparation of a paleontological assessment to evaluate the project's potential to yield paleontological resources. The paleontological assessment of the project included a review of paleontological literature and fossil locality records in the area; a review of the underlying geology; and recommendations to mitigate impacts to potential paleontological resources, if necessary. A paleontological field survey was not conducted since the surface of the project property is completely developed.

II. REGULATORY SETTING

The California Environmental Quality Act (CEQA), which is patterned after the National Environmental Policy Act, is the overriding environmental regulation that sets the requirement for protecting California's paleontological resources. CEQA mandates that governing permitting agencies (lead agencies) set their own guidelines for the protection of nonrenewable paleontological resources under their jurisdiction.

State of California

Under "Guidelines for Implementation of the California Environmental Quality Act," as amended in December 2018 (California Code of Regulations [CCR] Title 14, Division 6, Chapter 3, Sections 15000 et seq.), procedures define the types of activities, persons, and public agencies required to comply with CEQA. Section 15063 of the CCR provides a process by which a lead agency may review a project's potential impact to the environment, whether the impacts are significant, and provide recommendations, if necessary.

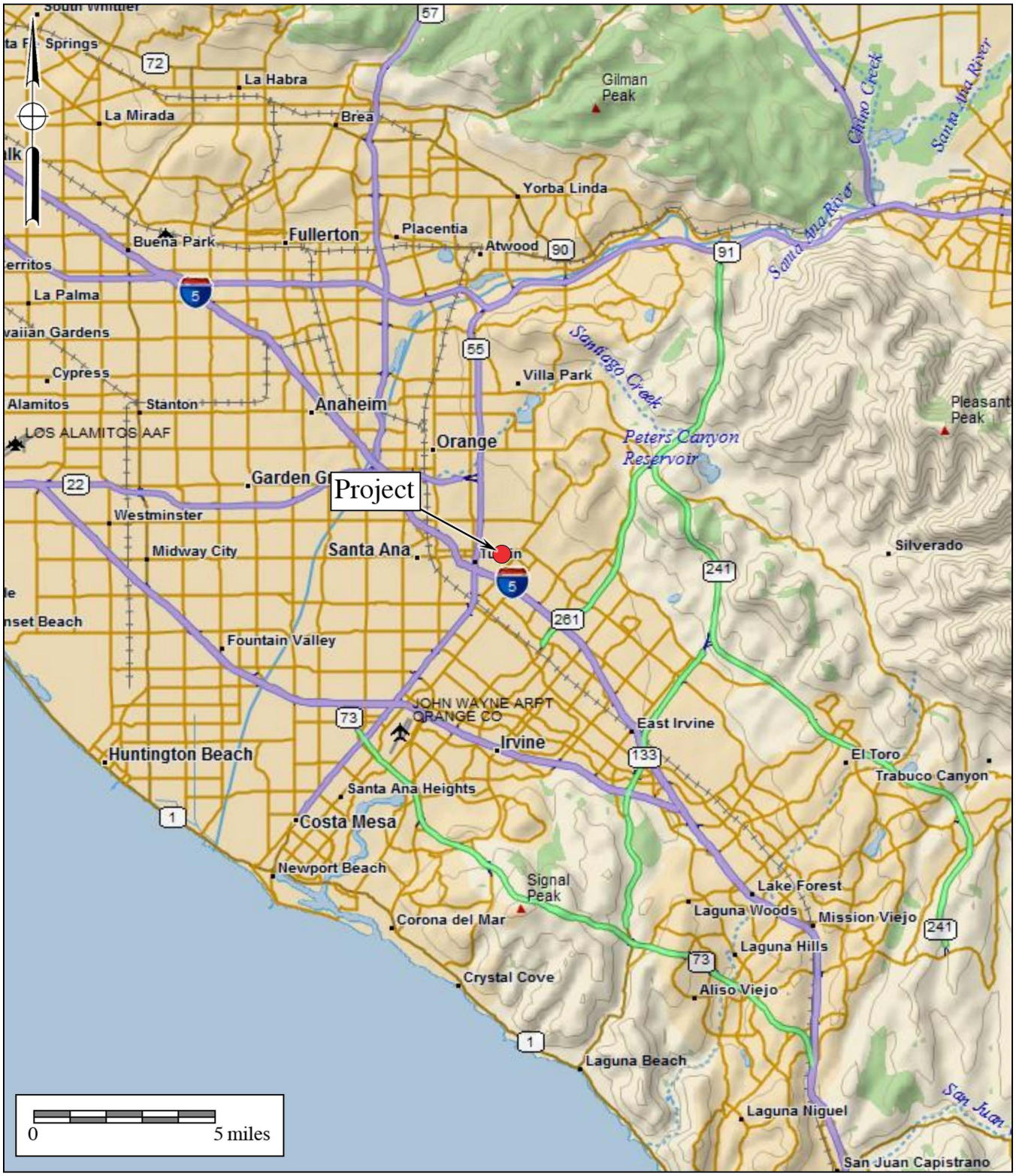

Figure 1

General Location Map

The 17802 Irvine Boulevard Project

DeLorme (1:250,000)

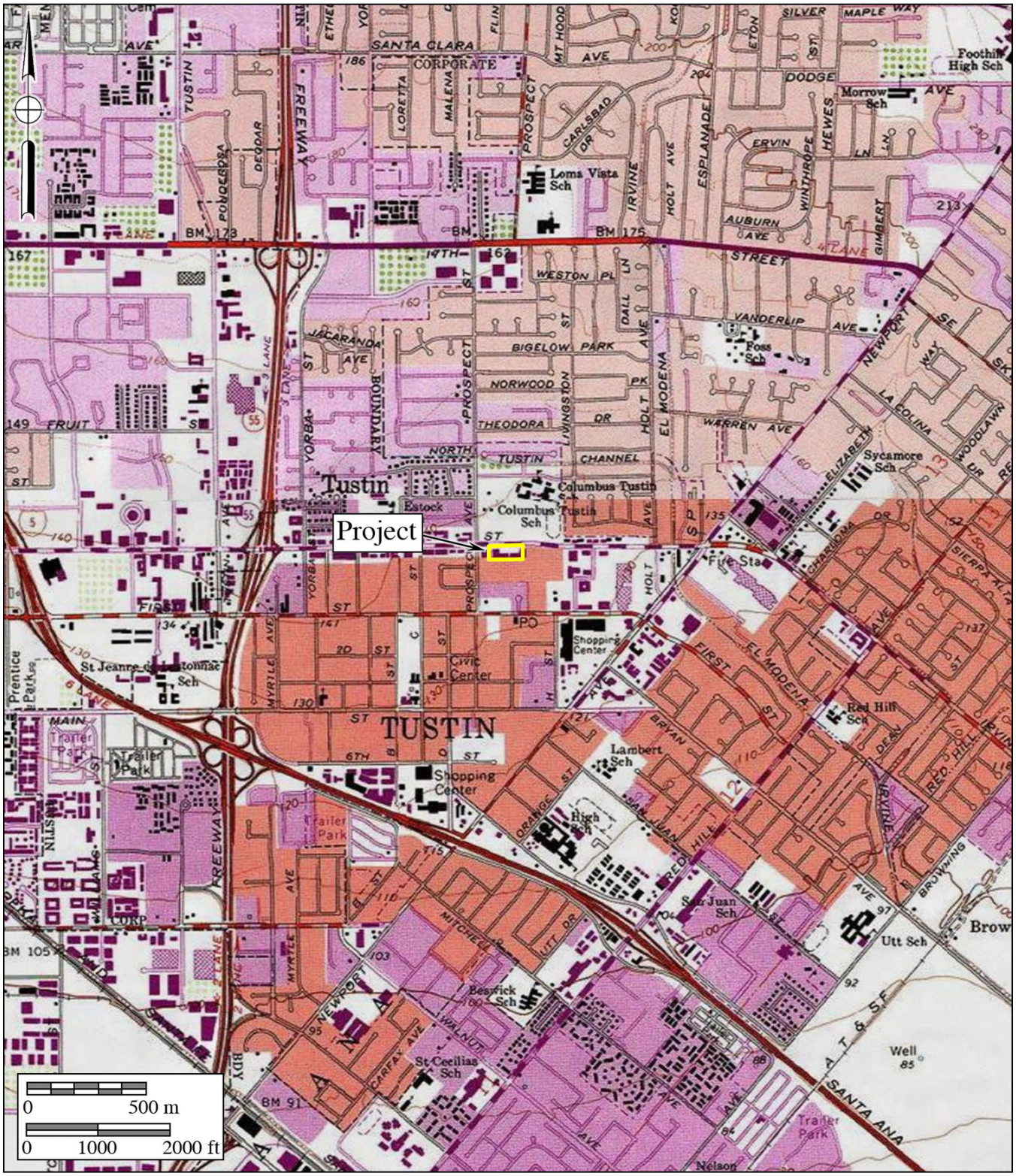

Figure 2

Project Location Map

The 17802 Irvine Boulevard Project

USGS *Tustin* and *Orange* Quadrangles (7.5-minute series)

In CEQA's Environmental Checklist Form, one of the questions to answer is, "Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?" (Appendix G, Section VII, Part f). This is to ensure compliance with California Public Resources Code Section 5097.5, the law that protects nonrenewable resources including fossils, which is paraphrased below:

a) A person shall not knowingly and willfully excavate upon, or remove, destroy, injure or deface any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, rock art, or any other archaeological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over such lands.
b) As used in this section, "public lands" means lands owned by, or under the jurisdiction of, the state, or any city, county, district, authority, or public corporation, or any agency thereof.
c) A violation of this section is a misdemeanor.

County of Orange

Section 2-5-27(c) of Article 2 of the Codified Ordinances of Orange County includes protection measures for "natural, cultural, structural, and archeological resources" in recreational areas and mandates that:

> No person shall possess, destroy, injure, deface, remove, dig, or disturb from its natural state any fossilized or nonfossilized paleontological specimens, cultural or archaeological resources, or the parts thereof in any park, beach or recreational facility. (County of Orange 2005)

Similarly, Section 2-5-227(c) of Article 9 of the Codified Ordinances of Orange County includes protection measures for "natural, cultural, structural, and archeological resources" in privately owned parks and mandates that:

> No person shall possess, destroy, injure, deface, remove, dig, or disturb from its natural state any fossilized or nonfossilized paleontological specimens, cultural or archaeological resources, or the parts thereof in any designated park. (County of Orange 2005)

Eisentraut and Cooper (2002) introduced a curation model and monitoring and mitigation guidelines for the conservation of archaeological and paleontological materials in the County of

Orange. This document and its recommendations were subsequently adopted by the Orange County Board of Supervisors and now provide a standard for the paleontological profession to use in the paleontological mitigation process in Orange County. In 2009, the John D. Cooper Archaeology and Paleontology Center ("the Cooper Center") was formally organized in Santa Ana with the intent to provide a repository to receive future incoming collections. Operation of the Cooper Center was initially a joint partnership between the County of Orange and California State University, Fullerton. In 2019, Orange County Parks (OC Parks) took over administration of the facility.

City of Tustin

According to the City's website at the date of this report, the General Plan for Tustin is currently not available and is being revised.

III. GEOLOGY

Geologically, the surficial sediments across the project are mapped as Holocene and late Pleistocene young alluvial fan deposits (yellow areas labeled "Qyf_a" and "Qyf_{sa}" on Figure 3), mostly consisting of unconsolidated, alluvial silty sands (Morton and Miller 2006). Pleistocene deposits are nearby to the north (amber areas labeled "Qof_{sa}" on Figure 3). Holocene deposits are estimated to be about 10 feet thick in the area of the project (Sprotte et al. 1980: pl. 4, map 3). During the Holocene, the activity of the Santa Ana River, about five miles west of the project, points to widespread sheet flooding and wandering, as indicated by extensive and continuous "younger" sand and silt deposits (Greenwood and Pridmore 1997).

IV. PALEONTOLOGICAL RESOURCES

Definition

Paleontological resources are the remains of prehistoric life that have been preserved in geologic strata. These remains are called fossils and include bones, shells, teeth, and plant remains (including their impressions, casts, and molds) in the sedimentary matrix, as well as trace fossils such as footprints and burrows. Fossils are considered older than 5,000 years of age (Society of Vertebrate Paleontology 2010) but may include younger remains (subfossils) when viewed in the context of local extinction of the organism or habitat, for example. Fossils are considered a nonrenewable resource under state, county, and local guidelines (Section II of this report).

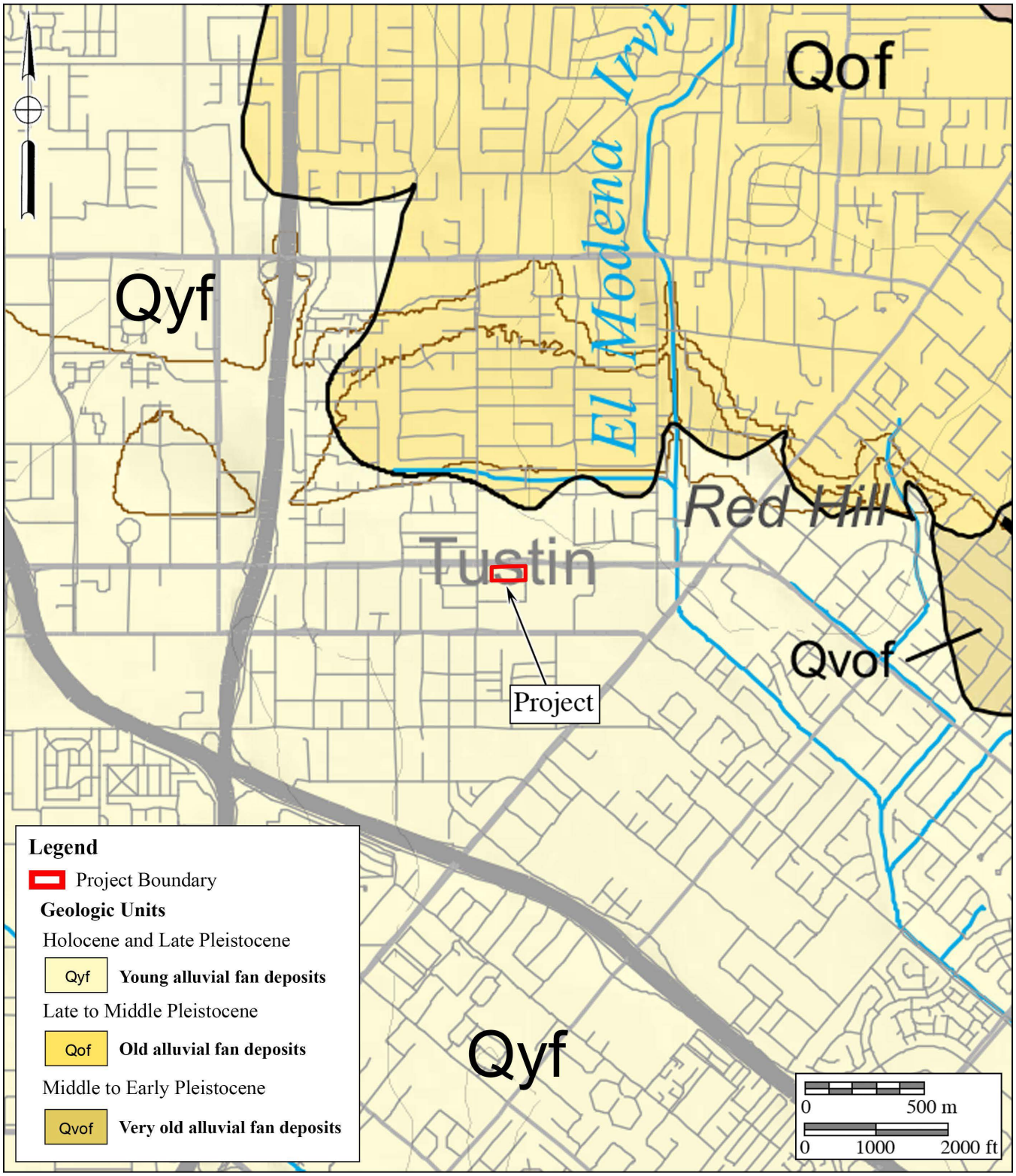

Figure 3

Geologic Map

The 17802 Irvine Boulevard Project

Geology after Morton and Miller (2006)

Fossil Locality Record Search

A paleontological locality and records search was performed for the project by the OC Parks Division of Orange County (Richards 2022 [Appendix B]). The records search indicates that no fossil localities were identified within the project boundaries or near the project. The closest-known fossil localities are located within five miles southeast of the project, consisting of Pleistocene-aged marine invertebrate fossils and fish remains.

A review of published and unpublished literature was conducted for potential paleontological resources that are known in the vicinity of the project. Data reported in Miller (1971) and Jefferson (1991) indicates there are no known nearby fossil localities.

V. PALEONTOLOGICAL SENSITIVITY

Overview

The degree of paleontological sensitivity of any particular area is based on a number of factors, including the documented presence of fossiliferous resources on a site or in nearby areas, the presence of documented fossils within a particular geologic formation or lithostratigraphic unit, and whether or not the original depositional environment of the sediments is one that might have been conducive to the accumulation of organic remains that might have become fossilized over time. Holocene alluvium is generally considered to be geologically too young to contain significant nonrenewable paleontological resources (*i.e.*, fossils) and is thus typically assigned a low paleontological sensitivity. Pleistocene (over 11,700 years old) alluvial and alluvial fan deposits in Orange County, however, often yield important terrestrial vertebrate fossils, such as extinct mammoths, mastodons, giant ground sloths, extinct species of horse, bison, camel, and others (Jefferson 1991). These Pleistocene sediments are thus accorded a High paleontological resource sensitivity.

Professional Standards

The Society of Vertebrate Paleontology (SVP 2010) has drafted guidelines that include four categories of paleontological sensitivity for geologic units (formations) that might be impacted by a proposed project, as listed below:

- *High Potential:* Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered.
- *Undetermined Potential:* Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment, and that further study is needed to determine the potential of the rock unit.
- *Low Potential:* Rock units that are poorly represented by fossil specimens in institutional collections or based on a general scientific consensus that only preserve fossils in rare circumstances.

- *No Potential:* Rock units that have no potential to contain significant paleontological resources, such as high-grade metamorphic rocks and plutonic igneous rocks.

Using these criteria, based on a Holocene age for the surficial sedimentary deposits at the project, and the regional geology, a low paleontological potential may be assigned to the project.

VI. CONCLUSIONS AND RECOMMENDATIONS

The existence of Holocene young alluvial deposits at the project and the lack of any known fossil specimens or fossil localities from within a several-mile radius encompassing the subject property supports the recommendation that paleontological monitoring need *not* be required during earth disturbance activities at the 17802 Irvine Boulevard Project. However, if fossils of any sort are discovered during grading and earthmoving activities, a paleontologist must be retained to develop a Paleontological Resources Impact Mitigation Program (PRIMP) consistent with the provisions of CEQA, those of the City of Tustin, and those of the guidelines of the SVP (2010). Implementation of the PRIMP would mitigate any adverse impacts (loss or destruction) to potential nonrenewable paleontological resources, if present, to a level below significant.

PRIMP

If fossils are inadvertently discovered, a suggested PRIMP is outlined below. The following suggested PRIMP, when implemented, would reduce potential impacts to paleontological resources to a level below significant. Paleontological monitoring may be reduced on the observations and recommendations of the professional-level project paleontologist:

1. If paleontological resources are discovered during earth disturbance activities, the discovery shall be cordoned off with a 100-foot radius buffer so as to protect the discovery from further potential damage, and a county-qualified paleontologist shall be consulted to assess the discovery.

If the discovery is determined to be significant by the paleontologist, a PRIMP shall be implemented, which will include notification of appropriate personnel involved and monitoring of earth disturbance activities:

1. Monitoring of mass grading and excavation activities in areas identified as likely to contain paleontological resources shall be performed by a qualified paleontologist or paleontological monitor. Monitoring will be conducted full-time in areas of grading or excavation in undisturbed sedimentary deposits.

2. Paleontological monitors will be equipped to salvage fossils as they are unearthed to avoid construction delays. The monitor must be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens in a timely manner. Monitoring may be reduced if the potentially fossiliferous units are not present in the subsurface, or, if present, are determined on exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources. The monitor shall notify the project paleontologist, who will then notify the concerned parties of the discovery.
3. Paleontological salvage during trenching and boring activities is typically from the generated spoils and does not delay the trenching or drilling activities. Fossils are collected and placed in cardboard flats or plastic buckets and identified by field number, collector, and date collected. Notes are taken on the map location and stratigraphy of the site, which is photographed before it is vacated, and the fossils are removed to a safe place. On mass grading projects, discovered fossil sites are protected by flagging to prevent them from being overrun by earthmovers (scrapers) before salvage begins. Fossils are collected in a similar manner, with notes and photographs being taken before removing the fossils. Precise location of the site is determined with the use of handheld GPS units. If the site involves remains from a large terrestrial vertebrate, such as large bone(s) or a mammoth tusk, that is/are too large to be easily removed by a single monitor, a fossil recovery crew shall excavate around the find, encase the find within a plaster and burlap jacket, and remove it after the plaster is set. For large fossils, use of the contractor's construction equipment may be solicited to help remove the jacket to a safe location.
4. Isolated fossils are collected by hand, wrapped in paper, and placed in temporary collecting flats or five-gallon buckets. Notes are taken on the map location and stratigraphy of the site, which is photographed before it is vacated, and the fossils are removed to a safe place.
5. Particularly small invertebrate fossils typically represent multiple specimens of a limited number of organisms, and a scientifically suitable sample can be obtained from one to several five-gallon buckets of fossiliferous sediment. If it is possible to dry screen the sediment in the field, a concentrated sample may consist of one or two buckets of material. For vertebrate fossils, the test is usually the observed presence of small pieces of bones within the sediments. If present, as many as 20 to 40 five-gallon buckets of sediment can be collected and returned to a separate facility to wet-screen the sediment.
6. In accordance with the "Microfossil Salvage" section of the Society of Vertebrate Paleontology guidelines (2010:7), bulk sampling and screening of fine-grained sedimentary deposits (including carbonate-rich paleosols) must be performed if the deposits are identified to possess indications of producing fossil "microvertebrates" to

test the feasibility of the deposit to yield fossil bones and teeth.

7. In the laboratory, individual fossils are cleaned of extraneous matrix, any breaks are repaired, and the specimen, if needed, is stabilized by soaking in an archivally approved acrylic hardener (*e.g.*, a solution of acetone and Paraloid B-72).
8. Recovered specimens are prepared to a point of identification and permanent preservation (not display), including screen-washing sediments to recover small invertebrates and vertebrates. Preparation of individual vertebrate fossils is often more time-consuming than for accumulations of invertebrate fossils.
9. Identification and curation of specimens into a professional, accredited public museum repository with a commitment to archival conservation and permanent retrievable storage (*e.g.*, the former Cooper Center facility of OC Parks) shall be conducted. The paleontological program should include a written repository agreement prior to the initiation of mitigation activities. Prior to curation, the lead agency (*e.g.*, the City of Tustin) will be consulted on the repository/museum to receive the fossil material.
10. A final report of findings and significance will be prepared, including lists of all fossils recovered and necessary maps and graphics to accurately record their original location(s). The report, when submitted to, and accepted by, the appropriate lead agency, will signify satisfactory completion of the project program to mitigate impacts to any potential nonrenewable paleontological resources (*i.e.*, fossils) that might have been lost or otherwise adversely affected without such a program in place.

VII. CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this paleontological report, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief, and have been compiled in accordance with CEQA criteria.

June 30, 2022

Todd A. Wirths — Date
Senior Paleontologist
California Professional Geologist No. 7588

VIII. REFERENCES

Eisentraut, P.J. and Cooper, J.D. 2002. Final Report, Development of a model curation program for Orange County's Archaeological & Paleontological Collections. Unpublished report prepared for the County of Orange, Public Facilities and Resources Department, Harbors,

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Society of Vertebrate Paleontology. 2010. Standard procedures for the assessment and mitigation of adverse impacts to paleontological resources; by the SVP Impact Mitigation Guidelines Revision Committee. Electronic document, https://vertpaleo.org/wp-content/uploads/2021/01/SVP_Impact_Mitigation_Guidelines-1.pdf.

Sprotte, E.C., Fuller, D.R., Greenwood, R.B., Mumm, H.A., Real, C.R. and Sherburne, R.W., editors. 1980. Classification and mapping of Quaternary sedimentary deposits for purposes of seismic zonation, south coastal Los Angeles Basin, Orange County, California: California Division of Mines and Geology Open-File Report 80-19LA, 4 plates.

APPENDIX A

Qualifications of Key Personnel

Todd A. Wirths, MS, PG No. 7588

Senior Paleontologist

Brian F. Smith and Associates, Inc.
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: twirths@bfsa-ca.com

Education

Master of Science, Geological Sciences, San Diego State University, California **1995**

Bachelor of Arts, Earth Sciences, University of California, Santa Cruz **1992**

Professional Certifications

California Professional Geologist #7588, 2003
Riverside County Approved Paleontologist
San Diego County Qualified Paleontologist
Orange County Certified Paleontologist
OSHA HAZWOPER 40-hour trained; current 8-hour annual refresher

Professional Memberships

Board member, San Diego Geological Society
San Diego Association of Geologists; past President (2012) and Vice President (2011)
South Coast Geological Society
Southern California Paleontological Society

Experience

Mr. Wirths has more than a dozen years of professional experience as a senior-level paleontologist throughout southern California. He is also a certified California Professional Geologist. At BFSA, Mr. Wirths conducts on-site paleontological monitoring, trains and supervises junior staff, and performs all research and reporting duties for locations throughout Los Angeles, Ventura, San Bernardino, Riverside, Orange, San Diego, and Imperial Counties. Mr. Wirths was formerly a senior project manager conducting environmental investigations and remediation projects for petroleum hydrocarbon-impacted sites across southern California.

Selected Recent Reports

2019 *Paleontological Assessment for the 10575 Foothill Boulevard Project, City of Rancho Cucamonga, San Bernardino County, California*. Prepared for T&B Planning, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Assessment for the MorningStar Marguerite Project, Mission Viejo, Orange County, California.* Prepared for T&B Planning. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Monitoring Report for the Nimitz Crossing Project, City of San Diego.* Prepared for Voltaire 24, LP. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Resource Impact Mitigation Program (PRIMP) for the Jack Rabbit Trail Logistics Center Project, City of Beaumont, Riverside County, California.* Prepared for JRT BP 1, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Monitoring Report for the Oceanside Beachfront Resort Project, Oceanside, San California.* Prepared for S.D. Malkin Properties. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Impact Mitigation Program for the Nakase Project, Lake Forest, Orange County, San California.* Prepared for Glenn Lukos Associates, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Impact Mitigation Program for the Sunset Crossroads Project, Banning, Riverside County*. Prepared for NP Banning Industrial, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Assessment for the Ortega Plaza Project, Lake Elsinore, Riverside County*. Prepared for Empire Design Group. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Record Search Update for the Green River Ranch III Project, Green River Ranch Specific Plan SP00-001, City of Corona, California*. Prepared for Western Realco. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Assessment for the Cypress/Slover Industrial Center Project, City of Fontana, San Bernardino County, California*. Prepared for T&B Planning, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Monitoring Report for the Imperial Landfill Expansion Project (Phase VI, Segment C-2), Imperial County, California*. Prepared for Republic Services, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Assessment for the Manitou Court Logistics Center Project, City of Jurupa Valley, Riverside County, California*. Prepared for Link Industrial. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Resource Impact Mitigation Program for the Del Oro (Tract 36852) Project, Menifee, Riverside County*. Prepared for D.R. Horton. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Assessment for the Alessandro Corporate Center Project (Planning Case PR-2020-000519), City of Riverside, Riverside County, California*. Prepared for OZI Alessandro, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Monitoring Report for the Boardwalk Project, La Jolla, City of San Diego*. Prepared for Project Management Advisors, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

APPENDIX B

Fossil Locality Search Report

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CYMANTHA ATKINSON
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JULIE LYONS
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COUNTY LIBRARIAN
OC PUBLIC LIBRARIES

OC Community Resources

Brian F. Smith and Associates, Inc.
14010 Poway road, Suite A
Poway, California 92064

Mr. Wirths:

I have thoroughly searched our paleontology collection records for the locality and specimen data for the proposed 17802 Irvine Boulevard project in the city of Tustin, Orange County, project area as outlined on the portion of the map that you sent to me via e-mail on May 9, 2022.

The project area is mapped as young alluvial fan deposits. The area is adjacent to old alluvial fan deposits and very old alluvial fan deposits. We do not have records of any fossil localities lying directly within the proposed site boundaries. There are no recorded localities with fossils from young alluvial fan deposits within a one mile radius of the proposed project site, however there are a few within a five mile radius. Taxa recovered from these localities include fish (Serranidae), *Peromyscus*, bivalves including clams (*Macoma*) and oysters (*Ostrea*), and snails (*Turritella*), as well as wood fragments.

Shallow excavations in the young alluvial fan deposits in the proposed project area are unlikely to uncover any significant vertebrate fossils. Deeper excavations into Pleistocene alluvium have a greater potential to produce fossils. If fossils are recovered, then sediment samples should also be collected and processed to determine the potential for micro-vertebrate fossils in the proposed project area.
This records search covers only the Orange County Paleontology Collections curated at the Cooper Lab. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey. The Natural History Museum of Los Angeles County and the San Diego Museum of Natural History both have extensive collections originating from Orange County and should also be consulted to evaluate the paleontological impact risk.

Literature Cited:

1. Morten, D.M. and F.K. Miller. 2006. Geologic Map of the San Bernardino and Santa Ana 30' x 60' quadrangles, California. U.S. Geological Survey Open File Report 2006-1217.

Respectfully yours,

Meena Madan Richards — May 27, 2022

Meena Madan Richards
Paleontology Specialist
OC Parks

OCparks
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Appendix F: Phase I Environmental Site Assessment

DRAFT

PARTNER
Engineering and Science, Inc.



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

17802 and 17842 Irvine Blvd.
17802 and 17842 Irvine Boulevard
Tustin, California 92780

Report Date: October 5, 2021
Partner Project No. 21-336657.1



Prepared for:

Intracorp SW, LLC
895 Dove Street, Suite 400
Newport Beach, California 92660

DRAFT

PARTNER
Engineering and Science, Inc.

October 5, 2021

Ms. Emilie Simard
Intracorp SW, LLC
895 Dove Street, Suite 400
Newport Beach, California 92660

Subject: Phase I Environmental Site Assessment
17802 and 17842 Irvine Blvd.
17802 and 17842 Irvine Boulevard
Tustin, California 92780
Partner Project No. 21-336657.1

Dear Ms. Simard:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at 310-622-8855.

Sincerely,

DB Stott

Debbie Stott
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Intracorp SW, LLC for the property located at 17802 and 17842 Irvine Boulevard in Tustin, Orange County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Intracorp SW, LLC with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property. Partner understands that the subject property is being redeveloped with multi-family residential apartments and the current building being demolished.

Property Description

The subject property is located on the south side of Irvine Boulevard, east of Prospect Avenue, within a mixed commercial and residential area of Orange County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	17802 and 17842 Irvine Boulevard, Tustin, California
Property Use:	Commercial- Office
Land Acreage (Ac):	2.37 Ac
Number of Buildings:	1
Number of Floors:	1 to 2
Gross Building Area (SF):	47,583 SF (Total)
Date of Construction:	1971
Assessor's Parcel Number (APN):	APN 401-141-13 (Parcel 2 of Parcel A) and 401-141-57 (Parcel 3 of Parcel A)
Current Tenants:	Two office tenants, 38 vacant office suites
Site Assessment Performed By:	Janet Tentler of Partner
Site Assessment Conducted On:	April 23, 2021

The subject property is currently developed with the Tustin Business Center. The subject property consists of two 2-story office buildings with paved parking on the east, west, south sides of the buildings. Onsite operations consist of office space. At the time of Partner's site reconnaissance, two office spaces were occupied, while the remaining 38 office spaces were unoccupied. In addition to the current structures, the subject property is also improved with asphalt-paved parking area, associated landscaping, and drainage features. Due to access restrictions imposed by subject property management and/or ownership, this assessment did not include observations of interior areas of the subject property.

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance. No evidence of aboveground storage tanks (ASTs) or underground storage tanks (USTs) such as fill ports, piping, or vent pipes was observed or reported onsite.

According to review of available historical data, it appears that the subject property was undeveloped or vacant land since at least 1896 until 1902; agriculturally developed from 1932 to 1963; cleared, vacant land in 1963; and developed with the existing two commercial buildings in 1971. According to city directories and records reviewed, the buildings have been occupied by commercial office tenants from 1971 to present.

The agency database report obtained from Environmental Data Resources, Inc. (EDR) identified the subject property as:

- Meier Chiropractic (EDR Map ID: A1), listed at 17842 Irvine Boulevard, Suite 118, is identified in the HAZNET and HWTS databases. This facility is listed in the HAZNET database for generating state-regulated wastes including "metal sludge (Alkaline solution (pH >= 12.5) with metals)" that were manifested for off-site disposal in 1995. Disposal method was listed as recycler. Based on the lack of violations and/or listing in other databases indicating a release, these listings are not expected to have created an environmental concern at the subject property.

During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Irvine Boulevard, followed by Columbus Tustin Park (14712 Prospect Avenue) and Columbus Tustin Middle School (17952 Beneta Way)
South:	Prosect Park (Driveway), followed by single-family residences
East:	Gated community with single-family residences
West:	Office Building (17772 Irvine Boulevard), followed by Prospect Avenue

No environmental concerns associated with adjacent properties were identified based on visual observation from publicly accessible rights-of-way.

No potential vapor intrusion concerns were identified onsite nor from offsite facilities.

According to information obtained from the California State Water Resources Board online database, GeoTracker, for a nearby release (Case Number T0605901622 – Chevron #9-8149 at 13052 Newport Road) and topographic map interpretation, groundwater in the vicinity of the subject property is present between 59 to 100 feet below ground surface (bgs) and flows toward the southeast.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable

regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

Conclusions and Opinions

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 17802 and 17842 Irvine Boulevard in Tustin, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

With consideration of the access limitations stated herein, this assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner has no recommendations for further assessment.

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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 17802 and 17842 Irvine Boulevard in Tustin, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property.

Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Intracorp SW, LLC engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Intracorp SW, LLC. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators, and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- An environmental cleanup lien search was not performed. However, it is Partner's opinion that the lack of the lien search does not represent a significant data gap, in that it does not impact Partner's ability to identify recognized environmental conditions at the subject property and therefore it does not alter the conclusions of this report. A Title Commitment Report provided by Intracorp SW, LLC did not indicate environmental liens filed against the property. According to the EDR Report, NPL (Superfund) and other environmental liens are not associated with the subject property. Based on available information, no environmental liens appear to be associated with the subject property.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 17802 and 17842 Irvine Boulevard is located on the south side of Irvine Boulevard, east of Prospect Avenue. The subject property was inspected by Janet Tentler of Partner on September 23, 2021. The weather at the time of the site visit was cloudy and in the mid-70s (degrees Fahrenheit). According to the Title Commitment Report, the subject property is identified by Assessor's Parcel Numbers (APNs): 401-141-13 (Parcel 2 of Parcel A) and 401-141-57 (Parcel 3 of Parcel A), and ownership has been vested in Tustin Business Center PI Properties since 2008.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by the Tustin Business Center for commercial and office use. Onsite operations consist of office space. At the time of Partner's site reconnaissance, two office spaces were occupied, while the remaining 38 office spaces were unoccupied. The subject property consists of 2 two-story buildings with customer parking within the northern portion of the property and employee parking within the southern portion of the property. In addition to the current structures, the subject property is also improved with asphalt-paved parking area, associated landscaping, and drainage features. Due to access restrictions imposed by subject property management and/or ownership, this assessment did not include observations of interior areas of the subject property.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of Orange County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Irvine Boulevard, followed by Columbus Tustin Park (14712 Prospect Avenue) and Columbus Tustin Middle School (17952 Beneta Way)
South:	Prosect Park (Driveway), followed by single-family residences
East:	Gated community with single-family residences
West:	Office Building (17772 Irvine Boulevard), followed by Prospect Avenue

No environmental concerns associated with adjacent properties were identified based on visual observation from publicly accessible rights-of-way.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Tustin, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject

property is located at approximately 138 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping toward the southeast.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to information obtained from the California State Water Resources Board online database, GeoTracker, for a nearby release (Case Number T0605901622 – Chevron #9-8149 at 13052 Newport Road) and topographic map interpretation, groundwater in the vicinity of the subject property is present between 59 to 100 feet below ground surface (bgs) and flows toward the southeast.

The closest surface water is the El Modena Irvine Channel located approximately 0.40-miles east of the subject property. No natural surface water bodies or streams were observed on the subject property. No retention ponds were observed on the subject property.

2.4.3 Geology/Soils

The site is located in the Peninsular Ranges geomorphic province. The Peninsular Ranges are a northwest-southwest oriented complex of blocks separated by similarly trending faults. They extend from the Transverse Ranges and the Los Angeles Basin south to the Mexican border and beyond to the tip of Baja California and are bounded on the east by the Colorado Desert and the Gulf of California. The Peninsular Ranges contain minor Jurassic and extensive Cretaceous igneous rocks associated with the Nevadan plutonism. Marine Cretaceous sedimentary rocks are well represented and post-Cretaceous rocks form a restricted veneer of volcanic, marine, and nonmarine sediments.

The U. S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) National Cooperative Soil Survey soil maps were reviewed. According to the USDA, the soils underlying the subject property are currently mapped as Mocho loam. These soils consist of well drained alluvium derived from sedimentary rock. Slopes range from 0 to 2 percent.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06059C0164J, dated December 3, 2009, the subject property appears to be located in Zone X, an area with a 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. Information regarding past land use was obtained by a review of historical aerial photographs, historical Sanborn Fire Insurance maps, city directories, and historical topographic maps of the subject property and surrounding area obtained from Environmental Data Resources (EDR) in September 2021. Copies of the historical resources are included in Appendix B. EDR reported that Sanbornä Fire Insurance Maps were not available for the subject property. A chronological listing of the historical data found is summarized in the table below.

Date	Scale or Address	Source	Summary
1896, 1901, 1902	1:62,500	Topographic Map	The subject property and immediately surrounding area are depicted as vacant land. Various improved roads and railroad lines are shown throughout the surrounding area.
1932, 1935, 1942, 1948, 1949, 1950 1938, 1946, 1952, 1963	1:24,000; 1:62,500 1”=500’	Topographic Map Aerial Photograph	The subject property appears to be partially agriculturally developed or vacant land. Scattered residences/farming structures are located to the west and southeast of the subject property. Prospect Avenue is located further to the west. By 1963, Irvine Boulevard is located adjacent to the north. Residential properties are located to the west of Prospect Avenue.
1966	1”=500’	Aerial Photograph	The subject property appears to be cleared, vacant land. A small structure is located on the southeast corner of the site. Surrounding properties consist of a park to the north, residential properties to the east, and south, and a small structure to the west.
1971	17802 Irvine Boulevard	Building Dept. Records	New Commercial Building (offices & retail) at 17802 Irvine Blvd.
1972, 1981 1972, 1977, 1985, 1989, 1994, 1995, 2002, 2005, 2009, 2012, 2016	1:24,000 1”=500’	Topographic Map Aerial Photograph	The subject property appears to be developed with the two existing buildings. Irvine Boulevard is located adjacent to the north. An increase in residential commercial development is evident to the surrounding area. Surrounding properties consist of a park to the north, residential properties to the east, and south, and a vacant parcel to the west. By 1977, a commercial building is located adjacent to the west.
1973-2014	17802 and 17842 Irvine	City Directories	Multiple Commercial Listings

Date	Scale or Address	Source	Summary
	Blvd.		
2012	1:24,000	Topographic Map	Current street configuration is shown.
2021	17802 and 17842 Irvine Boulevard	Site Visit	Two commercial buildings with 2 tenants.

According to review of available historical data, it appears that the subject property was undeveloped or vacant land since at least 1896 until 1902; agriculturally developed from 1932 to 1963; cleared, vacant land in 1963; and developed with the existing two commercial buildings in 1971. According to city directories and records reviewed, the buildings have been occupied with commercial office tenants from 1971 to present.

Common agricultural practices can result in residual concentrations of fertilizers, pesticides or herbicides in near-surface soil, though not generally at concentrations that pose a significant health risk. It is Partner's opinion that, since the majority of the subject property has been graded, redeveloped, and paved, remaining pesticide or herbicide residues, if any, are likely to have been dispersed during these construction activities and are therefore unlikely to impact human health or the environment. Accordingly, no further investigation is recommended regarding potential residual pesticides.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 Health Department

Regulatory Agency Data	
Name of Agency:	Orange County Health Care Agency (OCHCA)
Point of Contact:	Custodian of Records
Agency Address:	1241 Dyer Road, Suite 100, Santa Ana, California
Agency Phone Number:	(714) 433-6000
Date of Contact:	September 24, 2021
Method of Communication:	Online Request

Summary of Communication:

As of the date of this report, Partner has not received a response from the OCHCA for inclusion in this report.

4.1.2 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (SCAQMD)
Point of Contact:	Lisa Ramos
Agency Address:	21865 Copley Drive, Diamond Bar, California
Agency Phone Number:	(909) 396-3700
Date of Contact:	September 24, 2021
Method of Communication:	Online Record Search
Summary of Communication:	The online search, SCAQMD's Facility INformation Detail (FIND) database, did not identify either subject property's address.

4.1.3 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	Regional Water Quality Control Board (RWQCB)
Point of Contact:	http://geotracker.waterboards.ca.gov/)
Agency Address:	3737 Main Street, Riverside, California
Agency Phone Number:	(951) 782-4499
Date of Contact:	September 24, 2021
Method of Communication:	Online
Summary of Communication:	The subject property address was not identified on the RWQCB GeoTracker online database.

4.1.4 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	https://www.envirostor.dtsc.ca.gov/public/ and http://hwts.dtsc.ca.gov/
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(800) 728-6942

Regulatory Agency Data

Date of Contact: September 24, 2021
Method of Communication: Online
Summary of Communication:

The subject property address was not identified on the online DTSC EnviroStor database.

The subject property was identified in the online Hazardous Waste Tracking System database, as discussed below.

ID Number	Facility Name/Address	Status	Inactive Date	Waste
CAL000141300	**Meier Chiropractic** /17842 Irvine Blvd.	Inactive	June 30, 1990	The facility was listed as a generator of the following hazardous waste: "metal sludge" in 1995.

4.1.5 Tustin Building Division

Regulatory Agency Data

Name of Agency: Tustin Building Division
Point of Contact: Building Technician
Agency Address: 300 Centennial Way, Tustin, California
Agency Phone Number: (714) 573-3000
Date of Contact: September 24, 2021
Method of Communication: Online
Summary of Communication: Numerous permits were on file with the City of Tustin for 17802 Irvine Boulevard. Records were provided via email for review, as further discussed in the following table.

Building Records Reviewed for 17802 and 17842 Irvine Boulevard (Subject Property)

Year(s)	Owner/Applicant	Description
12-14-1970	Broadmoor Square West	Block Wall Permit
12-15-1970	Broadmoor Square West	Grading Permit
04-27-1971	Broodmoor Square	New Commercial Building (offices & retail) at 17802 Irvine Blvd.
06-27-1972	Broadmoor Square West	Professional Certificate of Tenant Use and Occupancy

4.1.6 Tustin Planning Department

Regulatory Agency Data	
Name of Agency:	Tustin Planning Department
Point of Contact:	Building Technician
Agency Address:	300 Centennial Way, Tustin, California
Agency Phone Number:	(714) 573-3000
Date of Contact:	September 24, 2021
Method of Communication:	Online
Summary of Communication:	The subject property is zoned C-1 for Retail Commercial with a R-1 overlay for Single-Family Residential

4.1.7 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Department of Conservation, Geologic Energy Management Division (CalGEM)
Point of Contact:	http://maps.conservation.ca.gov/doggr/index.html#close
Agency Address:	801 K Street, MS 18-05, Sacramento, California 95814
Agency Phone Number:	(916) 445-9686
Date of Contact:	September 24, 2021
Method of Communication:	Online
Summary of Communication:	According to CalGEM, no oil or gas wells are located on or adjacent to the subject property.

Copies of pertinent documents are included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	**Y**	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	N	N
EDR US Hist Cleaners	Varies	N	N	N
Miscellaneous Databases (HAZNET, HWTS)	Varies	**Y**		

4.2.2 Subject Property Listings

The agency database report obtained from Environmental Data Resources, Inc. (EDR) identified the subject property as:

- **Meier Chiropractic (EDR Map ID: A1)**, listed at 17842 Irvine Boulevard, Suite 118, is identified in the HAZNET and HWTS databases. This facility is listed in the HAZNET database for generating state-regulated wastes including “metal sludge (Alkaline solution (pH >= 12.5) with metals)” that were manifested for off-site disposal in 1995. Disposal method was listed as recycler. Based on the lack of violations and/or listing in other databases indicating a release, these listings are not expected to have created an environmental concern at the subject property.

4.2.3 Adjacent Property Listings

The adjacent properties were identified in multiple databases, as discussed below:

- **Barbara Sproat (EDR Map ID: A2)**, is listed at 362 Prospect Park, adjacent to the south and hydrologically down-gradient of the subject property, beyond Irvine Boulevard. The facility is identified in the RCRA NonGen database. No RCRA violations were listed. Based on the regulatory status and lack of listings in other databases indicating violations and/or a release, this listing is not considered to have created an environmental concern to the subject property.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

No orphan listings of concern are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

4.3 Vapor Encroachment Screening

Partner reviewed the environmental database records identified in the EDR Radius Report and evaluated each reported site relative to a subsurface vapor encroachment condition, respective a known release, the chemicals of concern, the distance that contaminants are likely to migrate based on local geological and hydrological conditions, sub-grade utility corridors and preferential pathways, structural components, mitigation devices, and other reasonable factors.

The subsurface vapor encroachment screening was completed in general conformance with ASTM International Designation: E2600-15: *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* ("ASTM Guide E2600-15") using Tier 1 Screening procedures.

4.3.1 On-Site Sources for a Vapor Encroachment Condition

Based on a review of previous reports, agency records, and current site observations, on-site sources with the potential to create a subsurface vapor encroachment concern to the subject property and its receptors were not identified. As such, a subsurface vapor encroachment condition on the subject property relative to an on-site contaminant source does not exist.

4.3.2 Off-Site Sources for a Vapor Encroachment Condition

Based on Partner's review of the Radius Report, no off-site properties with the potential to create a subsurface vapor encroachment concern to the subject property and its receptors were identified. No off-site properties with a documented open release of petroleum hydrocarbons were identified within the critical distance - 30 feet up-gradient, cross-gradient, or down-gradient of the subject property in the Radius Report. No off-site properties with a documented release of other contaminants of concern such chlorinated volatile organic hydrocarbons were identified within the critical distance - 100 feet up-gradient, cross-gradient, or down-gradient of the subject property in the Radius Report.

Based on the physical setting of the subject property and the findings from historical and regulatory records review, an off-site source for a subsurface vapor encroachment condition was not identified in association with the subject property. As such, a subsurface vapor encroachment condition on the subject property relative to off-site contaminant source does not exist.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Intracorp SW, LLC (User of this report).

User Responsibilities

Item	Provided By User	Not Provided By User	Discussed Below	Does Not Apply
AAI User Questionnaire			**X**	
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property, identified as Tustin Business Center-PI Properties L.P., was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. Because the Report User is a buyer, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

A key site manager was not provided to be interviewed at the time of this assessment.

5.1.4 Interviews with Past Owners, Operators, and Occupants

Interviews with past owners, operators, and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interviews with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interviews with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and Activity and Use Limitations (AULs)

Partner was provided with a Commitment for Title Insurance issued by First American Title Insurance Company dated July 9, 2021. According to the Title Insurance, the title to the subject property is currently vested in Tustin Business Center-PI Properties L.P., a California limited Partnership. No apparent environmental liens or AULs were identified for the subject property based on the review of the Preliminary Report for Title Insurance (Appendix B).

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Janet Tentler
Site Assessment Conducted On:	September 23, 2021

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Personnel for 17802 and 117842 Irvine Boulevard (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
Emilie Simard	Project Manager	(949) 724-5923	No

* Accompanied Partner during the field reconnaissance activities and/or provided information pertaining to the current operations and maintenance of the subject property.

Environmental concerns were not identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located south on the subject property. An independent solid waste disposal contractor, CR&R Environmental Services, removes solid waste from the subject property. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Tustin services the subject property vicinity. No wastewater treatment facilities or septic systems were observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property and in the public right of way. Site storm water from roofs, landscaped areas, and paved areas is directed to on-site concrete swales, which drain to the public right of way, and to on-site storm water drains. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface

impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Southern California Edison and The Gas Company Heating provided electricity and natural gas to the site vicinity.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during this assessment.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;"* 2) 50 ppm-500 ppm – "*PCB-Contaminated;"* and, 3) Greater than 500 ppm – "*PCB-Containing."* The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after July 2, 1979.

The onsite reconnaissance addressed indoor and outdoor transformers that may contain PCBs. Two pad-mounted transformers were observed on the subject property. Southern California Edison (SCE) maintains ownership and operational responsibility for the transformers and that the units do not contain PCBs. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. Construction materials including, but not limited to, thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building and that have not been appropriately tested may be considered "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed in 1972. Based on the date of construction, there is a potential that asbestos to be present. According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to

any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

Partner understands that Intracorp SW, LLC intends to demolish the buildings and redevelop the subject property. The ACMs should be property abated per applicable regulations during demolition activities.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead.

Based on the age of the subject property buildings (pre-1978), there is a potential that LBP is present.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the City of Tustin Water Services serves the subject property vicinity. According to the City of Tustin Water Services website, the sources of public water for the City of Tustin are blend of local ground water wells, and imported water connections originating from Northern California and the Colorado River by Metropolitan Water District of Southern California via the Municipal Water District of Orange County. According to the City of Tustin and the 2021 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner was not provided access to, or photos of, interior areas of the subject property. As such, a visual survey for evidence of mold growth or water intrusion was not conducted.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *REC* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *CREC* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *HREC* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACM and/or LBP are present. Suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

Conclusions and Opinions

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 17802 and 17842 Irvine Boulevard in Tustin, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

With consideration of the access limitations stated herein, this assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner has no recommendations for further assessment.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 17802 and 17842 Irvine Boulevard in Tustin, Orange County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

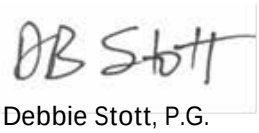
By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Heather Hodgetts
Senior Scientist

Reviewed By:



Debbie Stott, P.G.
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13

Environmental Data Resources, Inc. (EDR), September 2021

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, September 2021

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, September 2021

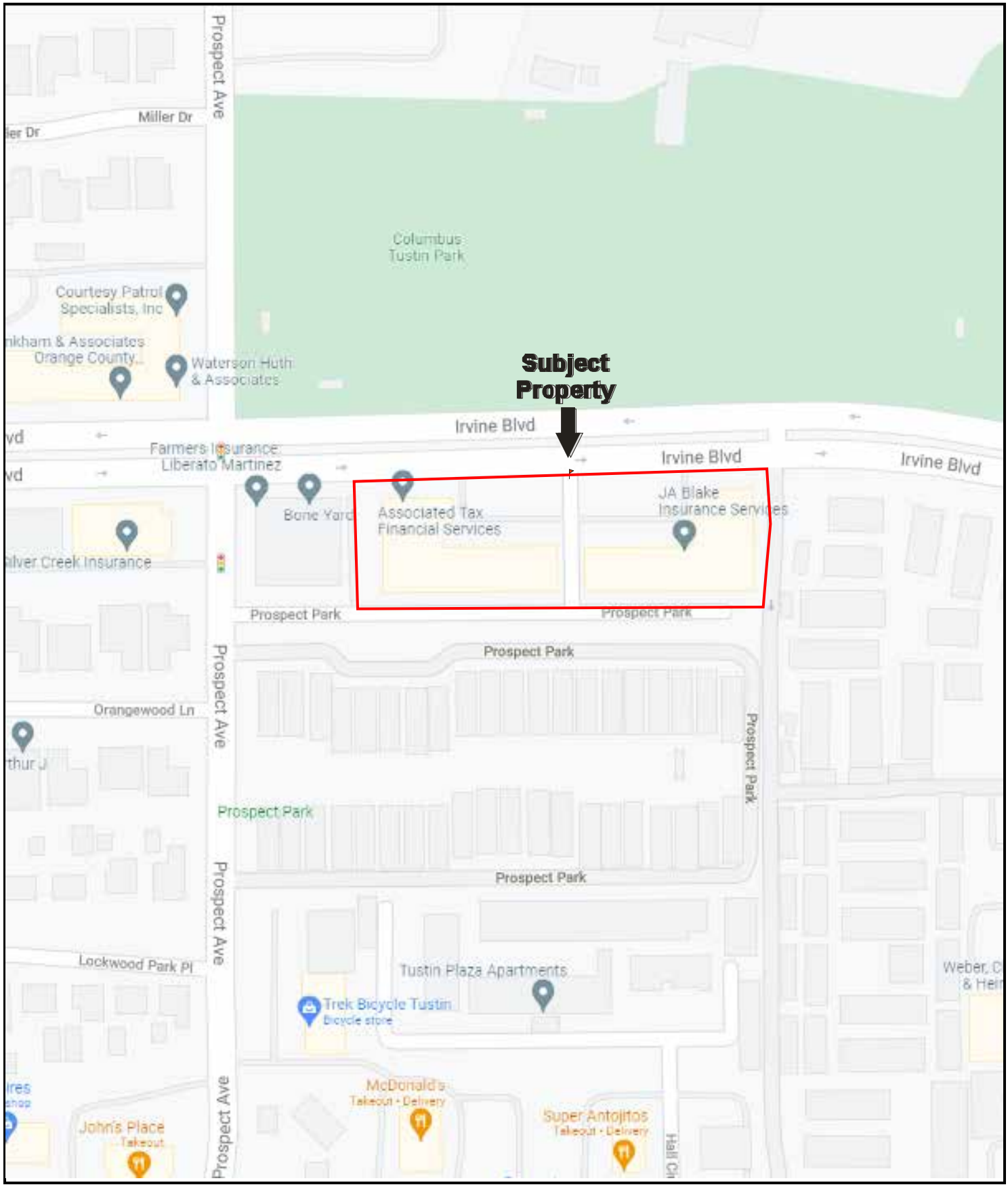
United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, September 2021

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, September 2021

United States Geological Survey, accessed via the Internet, September 2021

FIGURES

1 SITE LOCATION MAP
2 SITE PLAN
3 TOPOGRAPHIC MAP



N

Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 21-336657.1

PARTNER



N

GROUNDWATER FLOW

KEY: - Subject Property

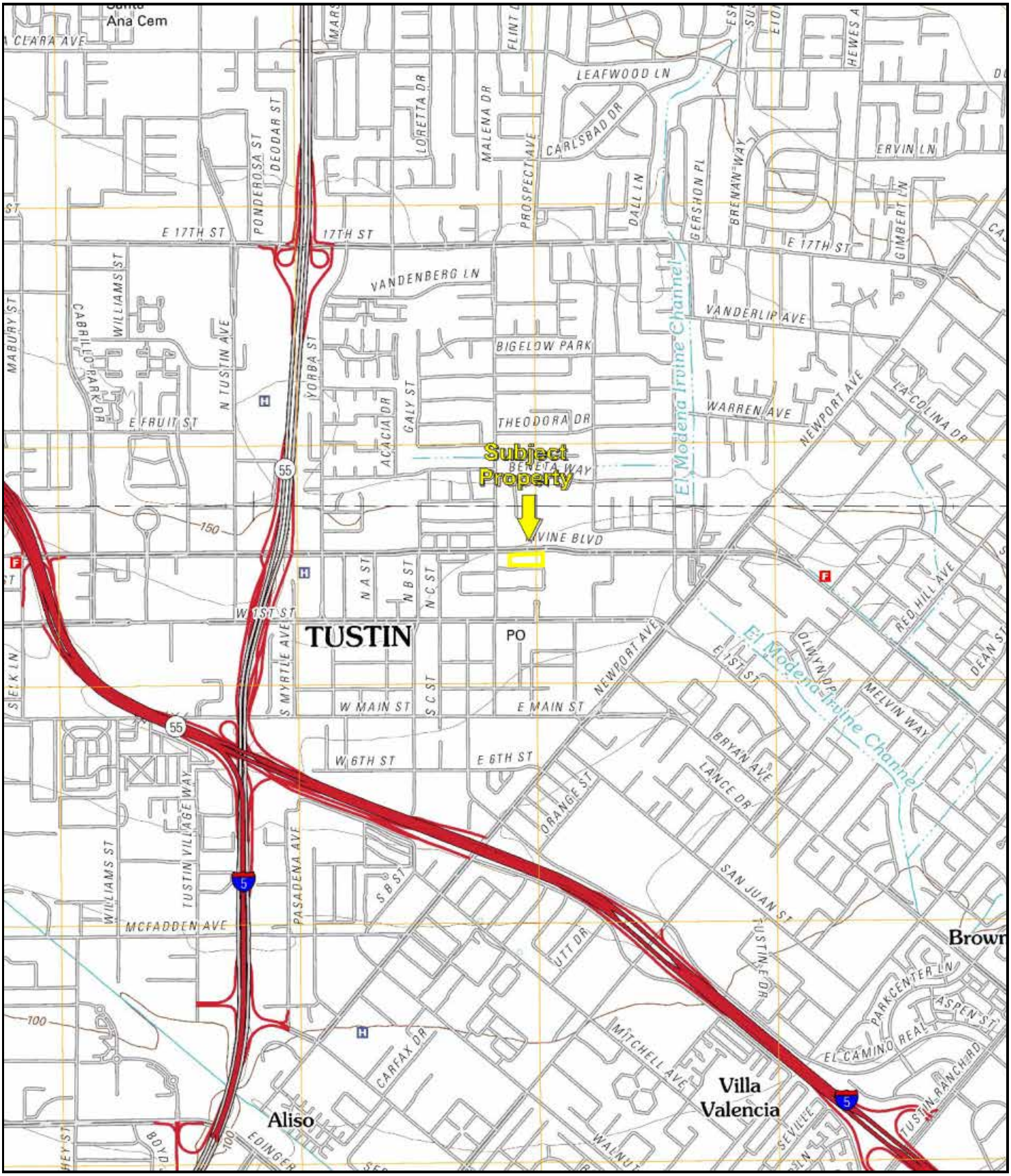
T – Transformer

D – Dumpster

FIGURE 2: SITE PLAN

Project No. 21-336657.1

PARTNER



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USGS 7.5 Minute *Tustin and Orange, California* Quadrangles
Created: 2012

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 21-336657.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1. Subject Property, Tustin Business Center



2. Subject Property, Tustin Business Center



3. Subject Property, 17802 Irvine Boulevard



4. Subject Property, 17802 Irvine Boulevard



5. Subject Property, 17802 Irvine Boulevard



6. Subject Property, 17802 Irvine Boulevard



7. Subject Property, 17802 Irvine Boulevard



8. Subject Property, 17802 Irvine Boulevard



9. Subject Property, 17802 Irvine Boulevard



10. Subject Property, 17842 Irvine Boulevard



11. Subject Property, 17842 Irvine Boulevard



12. Subject Property, 17842 Irvine Boulevard



13. Subject Property, 17842 Irvine Boulevard



14. Subject Property, 17842 Irvine Boulevard



15. Subject Property, 17842 Irvine Boulevard



16. Subject Property, 17802 Irvine Boulevard



17. Driveway between 17802 and 17842 Irvine Boulevard, looking North



18. Sampling Points (geotech) behind 17802 Irvine Boulevard



19. Neighboring Property to the West, 17772 Irvine Boulevard



20. Neighboring Property to the West, 17772 Irvine Boulevard



21. Neighboring Property to the South



22. Neighboring Property to the North, Columbus Tustin Park



23. Neighboring Property to the South



24. Neighboring Property to the East

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

N

Key: Subject Property



500 1000 2000

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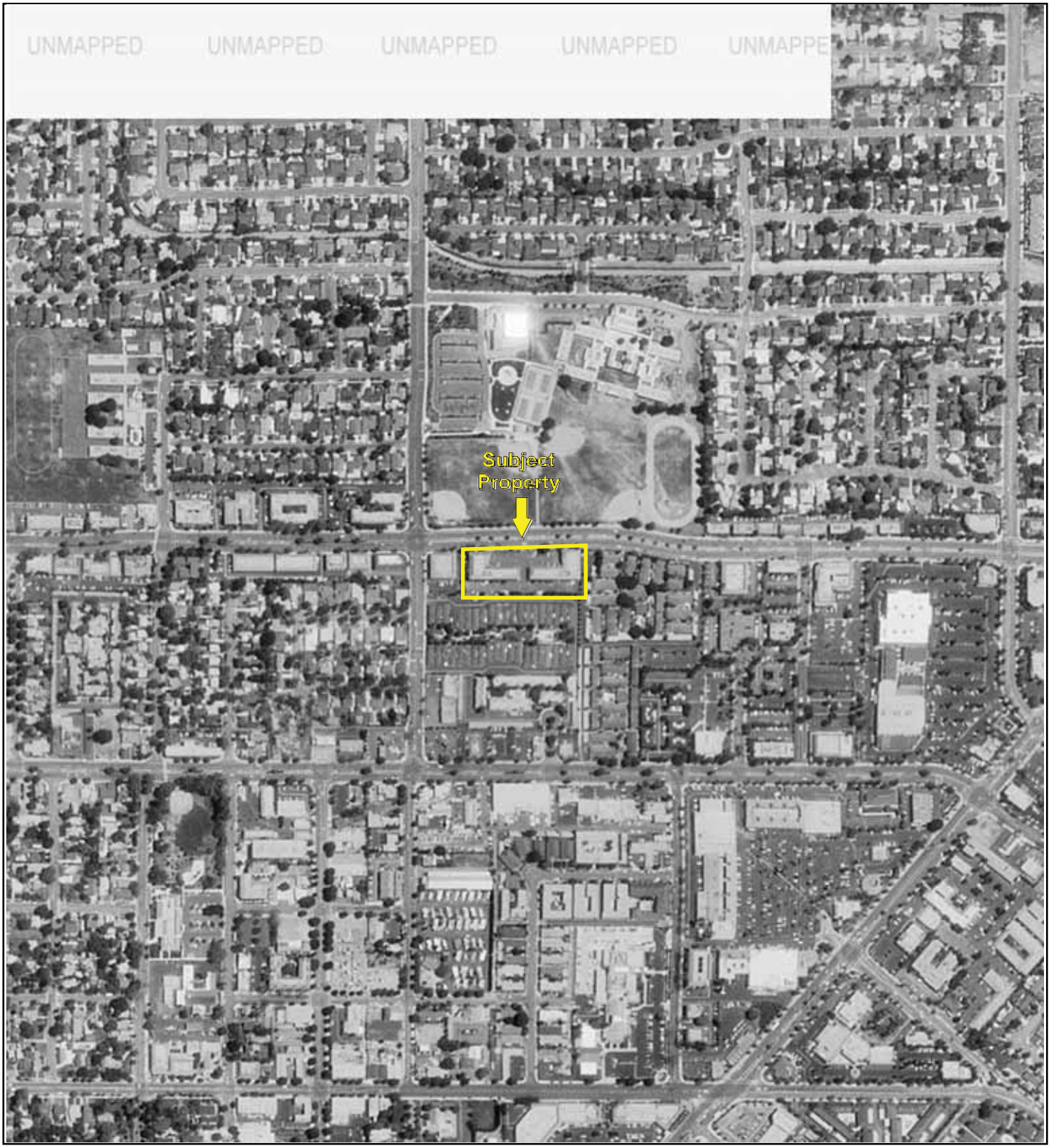

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Key: Subject Property



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Key: Subject Property



500 1000 2000

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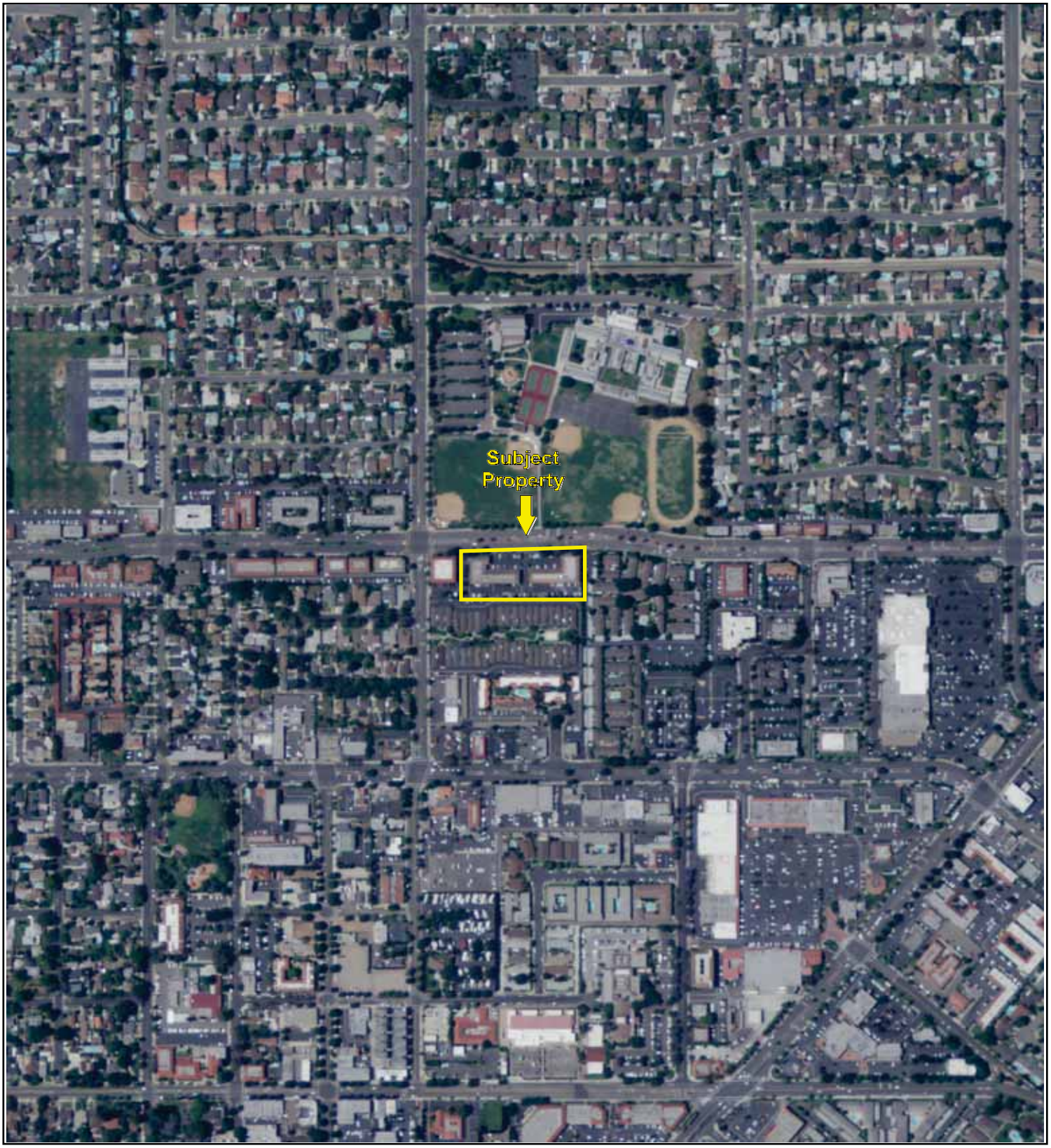
Key: Subject Property



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Key: Subject Property



500 1000 2000

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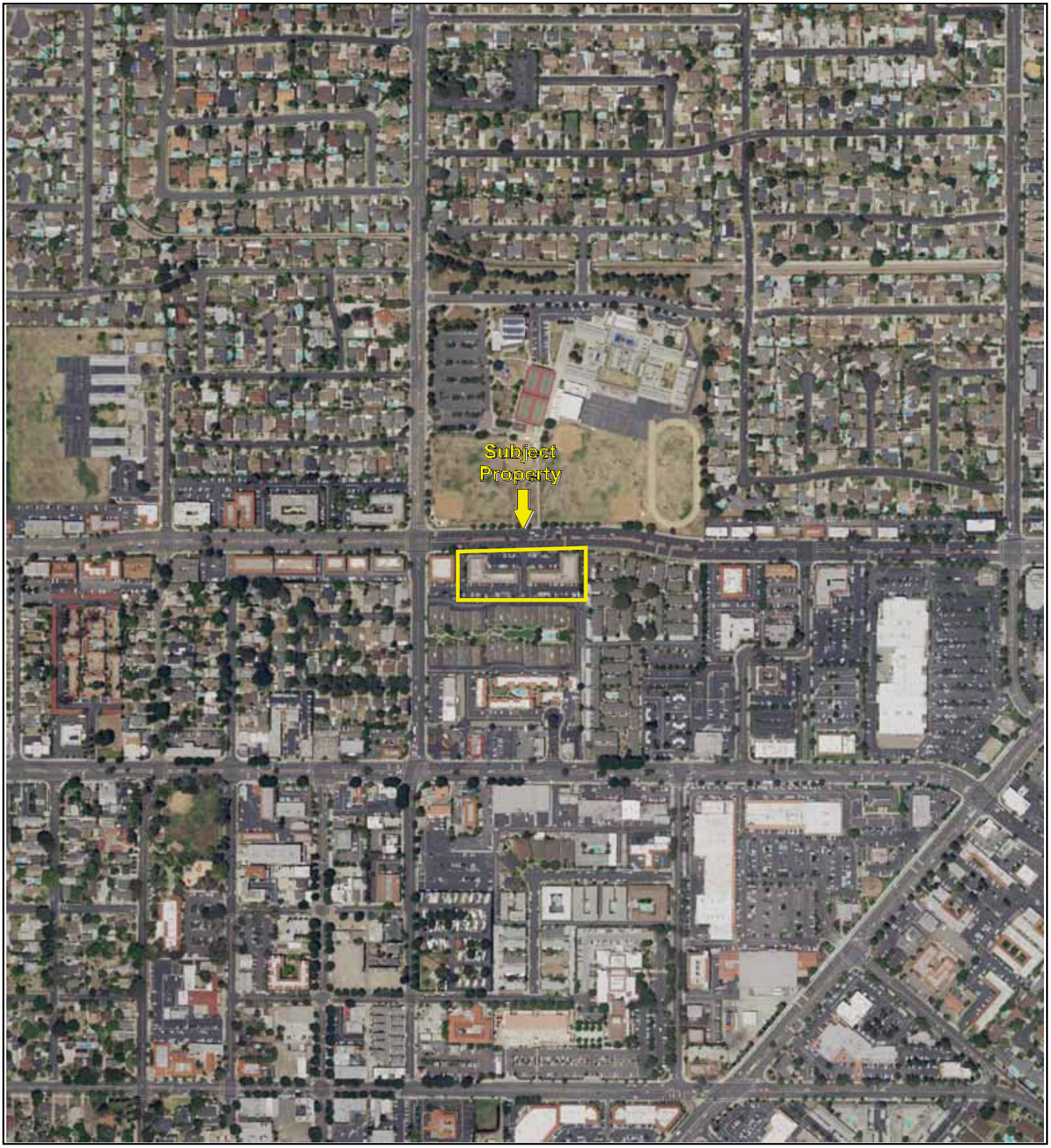
Key: Subject Property



500 1000 2000

N

Key: Subject Property

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17802 and 17842 Irvine Boulevard

17802 and 17842 Irvine Boulevard

Tustin, CA 92780

Inquiry Number: 6651002.3

September 07, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/07/21

Site Name:

17802 and 17842 Irvine Boulev
17802 and 17842 Irvine Boulev
Tustin, CA 92780
EDR Inquiry # 6651002.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Evelyn Perez

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Certified Sanborn Results:

Certification # 19E1-4EB5-9298

PO # 21-336657.1

Project 21-336657.1

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 19E1-4EB5-9298

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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17802 and 17842 Irvine Boulevard
17802 and 17842 Irvine Boulevard
Tustin, CA 92780

Inquiry Number: 6651002.5
September 15, 2021

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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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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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	Haines Criss-Cross Directory
1982	☑	☐	Haines Criss-Cross Directory
1976	☑	☐	Haines Criss-Cross Directory
1973	☑	☐	Haines Criss-Cross Directory
1962	☐	☐	Luskey City Directory

FINDINGS

TARGET PROPERTY STREET

17802 and 17842 Irvine Boulevard
Tustin, CA 92780

Year	CD Image	Source	
IRVINE BLVD			
2014	pg A2	EDR Digital Archive	
2010	pg A5	EDR Digital Archive	
2005	pg A9	EDR Digital Archive	
2000	pg A14	EDR Digital Archive	
1995	pg A15	EDR Digital Archive	
1992	pg A19	EDR Digital Archive	
1987	pg A33	Haines Criss-Cross Directory	
1987	pg A34	Haines Criss-Cross Directory	
1982	pg A35	Haines Criss-Cross Directory	
1982	pg A36	Haines Criss-Cross Directory	
1976	pg A37	Haines Criss-Cross Directory	
1976	pg A38	Haines Criss-Cross Directory	
1976	pg A39	Haines Criss-Cross Directory	
1973	pg A40	Haines Criss-Cross Directory	
1973	pg A41	Haines Criss-Cross Directory	
1962	-	Luskey City Directory	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

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City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

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IRVINE BLVD 2014

17671	ADELSON TESTAN BRUNDO & JIMENEZ
	ADELSON, TESTON
	ALL CARE SERVICES
	BACA WALTER E LAW CORPORATION
	BIRNBAUM, WENDY J
	DECRONA KELLY CPA
	DECRONA DIANE M ATTY AT LAW
	DEMMERLE KENNETH T
	DINNEBEIR DEMMERLE & WERTS
	DINNEBIER RICHARD A ATTY
	DNT FINANCIAL
	GRAPHICS & ADS
	GRECO PETER L CPA
	JB ENTERPRISE INC
	KELLY JIM CPA
	MARTIN CHARLES THE LAW OFFICES OF
	MATHIEU & CO
	MATHIEU ERROL CPA
	PAYNTER REALTY & INVESTMENTS INC
	RUDDY BOB FARMERS INS AGENT
	SABO INSURANCE SERVICES
	SILER DANNY CPA
	TRENTON ADAMS ASSOCIATE
	WEAVER THOMAS D ATTY
	WERTS MARK D ATTY
	WYNNE DONALD J LAW OFFICES OF
17702	CANGELOSI & HOLMES INC CPAS
	DEWBERRY WILLIAM CPA
	HANGER DALE E CPA
	HANGER, DALE E
	INNONATIVE SCIENTIFIC SOLUTIONS
	RECCHIA DOMINIC J
	RECCHIA INSURANCE AGENCY INC
	TUSTIN PERSONNEL SERVICES INC
	WILLIAMS THOMAS E CPA
17722	INTERSTATE SPECIALTY MARKETING INC
17731	BENJAMIN & YOUNG LP
	COMPRESSUS INC
	D R FINANCIAL
	FRIEND, LAWRENCE
	KNUDSON ENGINEERS & CONSTRUCTORS INC
	MEDEX MANAGEMENT
	OPTIMUM PROFESSIONAL PROPERTY MANAGE
	STREAMLINE MORTGAGE
	SUNWEST SALES
	SUPERIOR HOME LOANS
	WATERSON & HUTH
17742	CARTER INSURANCE CLAIMS SERVICES INC
	LIFECARE RESOURCES INC
	SILVER CREEK INSURANCE AGENCY

IRVINE BLVD 2014 (Cont'd)

17742 STALZER SUSAN M MD
WILLIAMS ROBERT L ATTORNEY AT LAW
WILLIAMS, ROBERT
17772 ACCURATE ELECTROLYSIS & PERMANENT CO
ART OF ONLINE MARKETING THE
BRITSTAN IT STAFFING SOLUTIONS
CRAWFORD MICHELLE MARRIAGE & FAMILY
CRAWFORD MICHELLE MFCC
CRAWFORD, MICHELLE M
DAVIS DENISE E MFT
DAVIS, DENISE E
DEMING JERRY R
FARMERS INSURANCE
HOMEWARD SOCIETY
HR GREEN SERVICES INC
IRVINE PROSPECT BUILDING
MARRIAGE & FAMILY COUNSELING CENTER
MARTINEZ INSURANCE & FINANCIAL SER
MORALES VIDEO PRODUCTIONS
MORRISON, MIKE
MORTGAGE FUNDING GROUP
MOTHERS AGAINST DRUNK DRIVING
OLDHAMSIMONEAU MARTHA D MFCC
SAPPHIRE PROPERTIES & LENDING SERVIC
TALLMAN JACK W MA MFCC
THE 704 GROUP LLC
THE HAIRS END ELECTROLYSIS & PERMA
TUSTIN SECRETARIAL SERVICE
UNION CAPITAL ASSOCIATES LLC
VALERIE BARBER ATTORNEY AT LAW
YES MONEY CAN
17802 ACCELERATED TECH
ADV ASSOCIATES
ALEXANDER & HALE AGENCY INS
ALLKORNERS
BARR CHRISTOPHER L
BARR HOMES REAL ESTATE
BARR, CHRISTOPHER L
CHRIS BARR STATE FARM INSURANCE AG
EDWARD ALEXANDER ALLSTATE INSURANC
FOOTHILLS REALTY
GOLTECH REALITY
MCMAHON TELECOMMUNICATIONS INC
PINPOINT TECHNOLOGIES
PROFCON INC
ULTIMATE FUNDING
17842 ACCOUNTING OFFICES OF VINOVICH & ASS
ALLSTATE
C PLUS ELECTRONICS INC
DUE DILIGENCE RESULTS

IRVINE BLVD 2014 (Cont'd)

17842	EDPA STUDIOS
	FARMERS INSURANCE GROUP
	GLOBAL NOTARY
	GRUPO AA TRANSMITELO
	KUMON MATH CENTERTUSTIN
	LOWELL D SNEATHEN CPA
	MR LANDSCAPE
	SANTIAGO FINANCIAL INC
	THREE DIVISION SERVICES
	VINOVICH & ASSOCIATES
	WRIGHT TRACY D INS
	WWWWORKSHOP
17876	OSTLIND, MAE O
17880	LYNN, JEANETTE F
17882	FIALA, VELVET O
17884	ROSALES, ESTHER
17890	MATZEK, BETTY J
17892	FULLER, ROGER E
17894	ALARID, DON
	VALENCIA, DEBBIE
17898	BORLASE, BOB
	WIERZBOWSKI, NORMA L
17900	COHEN, LIORA H
17902	HORD, CHRIS K
	ZUNIGA, KELLY B
17908	OCCUPANT UNKNOWN,
17910	RUIZ, MARIO R

IRVINE BLVD 2010

17671	ADELSON, TESTON
	ALL CARE SVC
	ALLSTATE INSURANCE CO
	CHARLES MARTIN INVESTIGATIONS
	DECRONA DIANE M ATTY AT LAW
	DINNEBIER & DEMMERLE
	DONALD J WYNNE LAW OFFICES
	FARMERS INSURANCE GROUP
	GANS & ROSENFIELD LLP
	GANS, ROSENFIELD
	GRAPHICS & ADS
	GRECO PETER L
	HALOGEN
	J B ENTERPRISE INC
	J VISTA SOFTWARE LLC
	JEROME EDELMAN LAW OFFICE
	M G ARCHITECTS INC
	MARTIN CHARLES LAW OFFICES
	MATHIEU & CO
	MAWHINNEY & ASSOC
	MC LURE INSURANCE BROKERAGE
	NELSON JAMES I
	ONYX MORTGAGE LENDING
	PAYNTER REALTY & INVESTMENTS
	ROBERT HALL REALTY CO
	S D INTL INC
	SOUTH COAST GROUP LEGAL SVC
	STRATA TECHNOLOGIES LLC
	SULLIVAN & MANN LUMBER CO
	TCG INTL
	TRENTON ADAMS ASSOC
	UNITED E & S
	WALTER E BACA LAW CORP
	WEAVER & WEAVER
	YOUR LENDING PLACE
17702	CANGELOSI & HOLMES INC
	DEWBERRY, WILLIA
	HANGER DALE E
	HANGER, DALE E
	INNOVATIVE SCIENTIFIC SLTNS
	LOAN CENTER CO
	RECCHIA INSURANCE INC
	TUSTIN PERSONNEL SVC INC
17722	INTERSTATE SPECIALTY MARKETING
	ISM GROUP LLC
17731	COMPRESSUS INC
	DIAZ & ASSOC
	FINANCIAL SOLUTIONS NETWORK
	KNUDSON ENGINEERS & CONSTRS
	OPTIMUM PROFESSIONAL PROPERTY

IRVINE BLVD 2010 (Cont'd)

17731	PACIFIC COAST FUNDING INC
	STREAMLINE MORTGAGE
	SUNWEST SALES CO
	SUPERIOR HOME LOANS
	WATERSON & HUTH
17742	CARTER INSURANCE CLAIMS SVC
	CPLIC RRG
	DE ANZA PLAZA
	HUSTON & ASSOC
	MRS PRELLS EDUCATIONAL SVC
	ROBERT L WILLIAMS ATTORNEY
	ROBERT R SCHNEIDER INSURANCE
	SILVER CREEK INSURANCE
17761	GOLDEN COAST FINANCIAL INS
17772	3 FRIENDS APPAREL
	ACCURATE ELECTROLYSIS
	ANACHULA SKIN CARE CLINIC
	BONE YARD
	CRAWFORD, MICHELLE M
	DAVIS DENISE E
	DAVIS DENISE E MFCC
	DAVIS, DENISE E
	DULA IMAGE GROUP
	EMMET J MC KUNE & ASSOC
	FIDUCIARY EXPERTS LLC
	HAIRS END ELECTROLYSIS
	HEALTHCARE ECONOMICS INSTITUTE
	HOME LENDING SPECIALIST
	INFORMATION GENERAL INTL
	IRVINE PROSPECT BUILDING
	MARRIAGE & FAMILY COUNSELING
	MIKE CRAWFORD MARRIAGE & FMLY
	MIKO, MATTHEW
	MORTGAGE FUNDING GROUP
	MOTHERS AGAINST DRUNK DRIVING
	MTN REALTY & INVESTMENTS INC
	NINBURG, DANIEL H
	OHRI ASHOK
	OHRI, ASHOK
	OLDHAMSIMONEA MARTHA D
	PACIFIC EMPIRE FINANCIAL SVC
	RAWITCH MARVIN MD
	SAPPHIRE PROPERTIES & LENDING
	T S MARKETING GROUP INC
	TUSTIN SECRETARIAL SVC
	UNION CAPITAL ASSOC LLC
	WELLNET MEDI VAN TRNSPRTN
17802	ACCELERATED TECH
	ADV ASSOCIATE HOME LOANS
	ASSOCIATED TAX FINANCIAL SVC

IRVINE BLVD 2010 (Cont'd)

17802	BARR HOMES REAL ESTATE
	BIGWIG MONSTER
	CALSTAR LENDING INC
	CARR REALTY OC
	COHEN INSURANCE
	DARANY MICHAEL A
	DARANY, MICHAEL A
	DAVID A PRICE ARCHITECTS INC
	DRINKS THAT WORK INC
	FOOTHILLS REALTY
	GRAICHEN TAX & FINANCIAL SVC
	HOMEFRONT MORTGAGE
	INNOCUBE
	J DAWSON HOME LOANS
	MC MAHON TELECOMMUNICATIONS
	PINPOINT TECHNOLOGIES
	REALTY INVESTMENT ASSNCALIF
	TUSTIN BUSINESS CTR
	ULTIMATE FUNDING
	X L LEARNING CTR
17842	ABOVEBOARD INSURANCE SVC
	AD TEK ENGINEERING
	ALEXANDER & HALE AGENCY
	ALLSTATE INSURANCE CO
	BBP LLC
	CAPTAIN MORTGAGE
	EDPA STUDIO
	EXCLUSIVE TRADE FASHION
	FARMERS INSURANCE GROUP
	GEORGIANN CAIN ELECTROLYSIS
	GLOBAL NOTARY
	HERBAL FIELD GROUP INC
	INDO CHINESE HEALTH CTR
	J A BLAKE INSURANCE SVC
	J M ACUPUNCTURE
	KUMON MATH & READING CTR
	LIFETOUCH CONSULTANTS
	LOERA MIGUEL
	MARK SMIT INSURANCE
	MR LANDSCAPE
	ONE STOP HOME LOAN
	OPTOMETRIC VISION CTR
	ORANGE COAST CHURCH
	PROFCON INC
	RIGHT AT HOME
	SHIFBERG MENCHER ASSOC
	SO CAL DRIVING ACADEMY
	UNITED PARALEGAL SVC
	VERITAXCOM
	VINOVICH & ASSOC

IRVINE BLVD 2010 (Cont'd)

17842 WEEKS INSURANCE SVC
17876 OSTLIND, MAE O
17880 LYNN, JEANETTE F
17882 FIALA, VELVET O
17884 ROSALES, ESTHER
17886 POWERS, JOSEPH C
17890 MATZEK, BETTY J
17892 FULLER, ROGER E
17894 VALENCIA, DEBRA
17898 BORLASE, JOSEPH E
WIERZBOWSKI, NORMA L
17900 COHEN, LIORA H
17902 HORD, CHRIS K
17904 FROST, JEFFREY A
17906 DEWELL, JAYNE L
17908 OCCUPANT UNKNOWN,
17910 O C BILLING CTR
RICE, DARRELL L

IRVINE BLVD 2005

17671 ADELSON, TESTON
ADVANCED FINANCIAL DEBT SERVICES
ALLSTATE / OH I INSURANCE AGENGY
AURORA FOODS
BACA WALTER E LAW CORP
BETTER SOLUTIONS MEDIATION SERVICE
BIGGERSTAFF INSURANCE SERVICES INC
CHARLES MARTIN INVESTIGATIONS
CHARLES, MARTIN I
CLASSIC PROPERTY MANAGEMENT CO
DIANE DECRONA
DINNEBIER & WERTS PC
ELLIOTT JANET
ERROL MATHIEU CPA
GRAPHICS & ADS
HALL ROBERT REAL ESTATE
HALL, NADINE L
HANSEN, H
HC HANSEN STRUCTURAL ENGINEER
IHS ENVIRONMENTAL INC
IN TOUCH SALES SERVICES INC
J PAUL & ASSOCS
JEROME EDELMAN
KENNETH K FOGG CPA
KIECKHAFER SCHIFFER
KNIGHT STEEL DETAILING INC
LACEY HANFORD CTR LLC
LAW OFFICE OF JAMES I NELSON
MACK & ASSOCIATES INC
MATHIEU, ERROL
MAURO KAREN
MEL SIMPLY DEVINE
MIQROPURE LABORATORIES INC
PAYNTER REALTY & INVESTMENTS INC
PETER L GRECO CPA INC
POSEY & ASSOCIATES
POSEY, JENNIFER
ROBERT HALL INTERIORS
RUDDY BOB FARMERS INSURANCE
STRATA TECHNOLOGIES INC
SULLIVAN & MANN LUMBER CO INC
SYCAMORE PLAZA BUILDING
TECHNOMATIX, UNICAM
TRENTON ADAMS
TRENTON ADAMS ASSOCIATES
TRENTON, ADAMS
WEAVER THOMAS D
WESTON MORTGAGE GROUP
WYNNE DONALD J LAW OFFICES
ZACAROPUOLOS, J L

IRVINE BLVD 2005 (Cont'd)

17676 HINES, JOHN C
17702 CANGELOSI & HOLMES INC
FOSTERCONNECT
HANGER, DALE
HOLMES DEBRA L
INNOUATIVE SCIENTIFIC SOLUTIONS
IQWEST INFORMATION TECHNOLOGIES
KIDSPIRATION PHYSICAL THERAPY INC
LOAN CENTER CO
NETINFO INC
RAETECH
17722 INTERSTATE SPECIALTY MARKETING INC
17731 ADVOCATE FOR ADOPTION
BISZANTZ ENTERPRISES INC
CAPITAL HOME LOANS AND INVESTMENTS
DR FINANCIAL SERVICES CORP
EVENT WIZARD
FINANCIAL SOLUTIONS NETWORK
GUARANTY RESIDENTIAL LENDING INC
JANET ELLIOTT CPA
JP INVESTMENT GROUP INC
LAW OFFICES OF URE SUH AND ASSOCIATE
MARIPOSA PLACENTIA HOMEOWNERS ASSN
OPTIMUM PROFESSIONAL PROPERTY MANAGE
PACIFIC COAST FUNDING INC
S MD D INC
SIMPLY DEVINE REALTY
SIMPLY, DEVINE
STREAMLINE LENDING
STREAMLINE MORTGAGE
SUPERIOR HOME LOANS
THE FIRSTFLIGHT GROUP LLC
TIME SAVER SOFTWARE
URE STEPHEN LAW OFFICES OF
VILLAGE TOWNHOME ASSOCIATION
VILLAGE TOWNHOMES
17742 1031 ADVISORS USA
ADLER, MADELEINE
AHLBERG ASSOCIATES
AHLBERG BUSINESS BROKERS
CLAIMS SERVICES INC
DEANZA PLAZA
DEANZA, PLAZA
HULL UV A THYME LLC
HUSTON & ASSOCIATES
INDIANAPOLIS LIFE
LAST NAME FIRST CO
LEGACY HOLDINGS UTAH INC
LIFECARE RESOURCES INC
MADELINE ADLER

IRVINE BLVD 2005 (Cont'd)

17742 MAR WEST VENTURES INC
MARTINEZ, ARLEAN
MORTGAGE FUNDING GROUP
SILVER CREEK INSURANCE AGENCY INC
STALZER, SUSAN
SUSAN STALZER MD
17772 ACCURATE ELECTROLYSIS
ADVANCE AESTHETIC ELECTROLOGY CLINIC
DAVIS, DENISE E
DENISE E DAVIS MFCC
DYNAMIC MKTNG I
EMMET J MC KUNE & ASSOCIATES
ENERGING TECHNOLOGY SOLUTIONS INC
FAMILY HOUSING CENTER INC
FRY, THOMAS
HEALTHCARE ECONOMICS INSTITUTE
HOME FRONT
HOMEFRONT FUNDING
HOMEFRONT MORTGAGE
HOMEFRONT, MORTA
IMPAX SOLUTIONS LLC
JOHN, M
LAMUTH, MARIE
LUNDGREN, ARTHUR
MARRIAGE & FAMILY COUNSELING
MC KUNE EMMET J CO THE
MOTHERS AGAINST DRUNK DRIVING
NINBURG, ELIOT P
QUINTESSENCE OF BUILDING MAINTENANCE
RAWITCH MARVIN A MD FACR INC
ROCK & ROLL REALTY
ROGER ACCOUNTING SOLUTIONS LLC
RUDOLPH DEW AND ASSOCIATES LLC
SPECIALTY PIPING & TUBING INC
TALLMAN JACK W MA MFCC
THREE FRIENDS BOUTIQUES
TWO FRIENDS APPAREL INC
17802 ACCELERATED TECH
ADV & ASSOCIATES HOME LOANS
AG SAI BERTECH INC
ALL POINTS MORTGAGE TRAINING
ASSOCS TAX SERVICES
BROWN, CLAYTON
CALSTAR LENDING INC
DAVID A PRICE ASSOCIATES
ELDON ASSOCIATES
FIRST FINANCIAL PLANTUM
FOOTHILLS REALTY
FRED MARSHALL & ASSOCIATES
G T HOLDINGS

IRVINE BLVD 2005 (Cont'd)

17802	GRAICHEN TAX & FINANCIAL SERVICES
	HELP U SELL OF TUSTIN
	HOMEFRONT MORTGAGE
	J DAWSON HOME LOANS
	KENT, MARKET
	KOVATS, GEZA
	MAARKA
	MAIN STREET FINANCIAL
	MATH STREET FINANCIAL
	MCMAHON TELECOMMUNICATIONS INC
	MICHAEL DARANY CFP EA
	PINPOINT TECHNOLOGIES
	REEDY, MICKEY
	REMEDY INTELLIGENT STAFFING
	REMEDYTEMP
	RODRIGUEZ, MARTA
	THE RIGHT MAN INC
	WIN ON TEAM ONE REAL ESTT FNNC
17842	A PLUS SURE DRIVING SCHOOL
	ALEXANDER EDWARD
	BEST WAY MARKETING INC
	CAL HOME FUNDING
	CALYX SOFTWARE
	CAPTIN MORTGAGE
	CARDINAL CAPITAL MANAGEMENT INC
	DAVE TALLY CARPETS
	DR VANSUCH OD OPTOMETRIC
	ECP PROPERTIES
	EDPA STUDIOS
	ESCAPES UNLIMITED
	EXCLUSIVE TRADE FASHION
	GEORGIANN CAIN MEDICAL TRANSCRIPTION
	GLOBAL NOTARY
	HERRIN COLLIS PUGLISI INC
	JOSEPH VANSUCH OD
	KUMON MATH CENTER TUSTIN
	LIFETOUCH CONSULTANTS
	LOERA MIGUEL
	MARK SMIT INSURANCE AGENCY
	NEW WEST FUNDING
	ORANGE COAST CHURCH
	RIGHT MAN INC
	SALINAS INTERNATIONAL REALTY
	SEA BREEZE MECHANICAL
	SHIFBERG MENCHER ASSOCS
	SIMON SALINAS
	SKIN SENSE
	SOUTHEASTERN CA CONFERENCE OF SEVENT
	ST MICHAELS TUTORIAL CENTER
	TIME AND A PLACE

IRVINE BLVD 2005 (Cont'd)

17842 TOMAR ENTERPRISES INC
TRACY D WRIGHT INSURANCE
VERI TAX COM
VINE & LINES INC
VINOVICH & ASSOCIATES
WEEKS INSURANCE SERVICES
17876 OSTLIND, MAE M
17878 ANDRO, ERIC S
CIREX
CIREXSYSTEMS
17880 LYNN, JEANETTE F
17882 FIALA, VELVET O
17884 ROSALES, ESTHER
17886 POWERS, JOSEPH C
17888 CORLESS, JEAN W
17890 MATZEK, BETTY J
17892 FULLER, ROGER E
17898 AMERICAN REPUBLIC FINANCIAL CO
BORLASE, JOSEPH E
17900 COHEN, LIORA H
17902 STIELER, CHRISTIAN J
17904 FROST, JEFFREY A
17908 BEANE, PAUL J
17910 OC BILLING CTR
RICE, DARRELL L

IRVINE BLVD 2000

17671 CORCORAN, F
HARPER, SANDRA M
LIGHT, C
MAURO, K
MCCLANAHAN, MARY L
POSEY, WALTER D
SCHACK, C
SOPER, G
WADA, C
17702 HOLMES, DEBRA L
17742 ADLER, M
HULL, C
17772 DAVIS, DENISE E
DEMING, JERRY R
LAMUTH, MARIE
NINBURG, D
OLDHAM, MARTHA D
TALLMAN, JACK
17802 ARCE, S
BROWN, CLAYTON
CUMMINGS, MARK
GRAICHEN, RONALD L
REEDY, MICKEY
VANEK, SONIA
17842 GRUBER, ROE
MARTIN, JIM
SCHWER, S
TABACHNIK, RIVKA
17876 OSTLIND, MAE
17880 OCCUPANT UNKNOWN,
17882 OCCUPANT UNKNOWN,
17884 OCCUPANT UNKNOWN,
17890 MATZEK, BETTY J
17892 FULLER, ROGER
17896 CARBAJAL, BLANCA L
17898 BORLASE, BOB
17900 COHEN, LIORA
17902 STIELER, C
17904 FROST, JEFFREY A
17906 BLACKBURN, JAMES K
17908 BEANE, PAUL
17910 RICE, DARRELL L

IRVINE BLVD 1995

17671 AJAX MAGNETHERMIC CORP
BERNSTEIN, WILLIAM R
BOYD & ASSOC INSURANCE
BRIDGEMARK CORP
CONTROL BUSINESS FORMS
EDWARDS, JOHN F
EMMET, RON
GOLDEN WEST CAPITAL GROUP
GUNN, NAT
HOPSON PENSION SVC INC
HOULIHAN, R M
JAMES L ZIMMERMAN
JOHN F EDWARDS
JOHNSON, VICKY
K KEM CORP
LYON FINANCIAL SVC
MAROTTA SCIENTIFIC CONTROLS
MAWHINNEY & ASSOC INC
MAWHINNEY, R G
NATIONAL RESIDENTIAL MORTGAGE
PARA LEGAL SVC
PAYNTER WILLSEY PROPERTIES
PERFORMANCE BUSINESS PRINTING
PHILIP L WESSON
R M HOULIHAN CPA
ROBERT HALL INTERIORS
ROBERT HALL REALTY CO
RON EMMET
SCHOOLER CO
SCHOOLER, CHIP
TCA
TCA ADJUSTERS
VERITAS
WESSON, PHILIP L
WESTERN CITIES MORTGAGE CORP
ZIMMERMAN, JAMES L

17702 CANGELOSI ACCOUNTANCY CORP
DEBRA L HOLMES CPA
HOLMES, DEBRA L
THOMAS E WILLIAMS CPA
TUSTIN PERSONNEL SVC INC
WILLIAMS, THOMAS E

17722 AGENCIA DE TRABAJO DOMESTICO
AMERICAN PROPERTIES INTL
DOMESTIC EXCELLENCE AGENCY
MAPFS CORP
OCCUPANT UNKNOWNN

17731 ALLIANCE WORLD TRADE
ARMANDO VALDESPINO
BANKERS ALLIANCE MORTGAGE GRP

IRVINE BLVD 1995 (Cont'd)

17731	DOYLE, JOHN D
	ELLIOTT, JANET
	G T ELLIOTT INC
	HALL ESCROW CO
	HARRISON, S E
	JANET ELLIOTT
	LIGHT, CATHY
	MIKE HENRY
	PAOLI & PAOLI INC
	PAOLI, PETER J
	PETER J PAOLI
	PRECISION FINANCIAL INC
	REPUBLIC NATIONAL MORTGAGE
	SANDER, CHERIE L
	SEYMOUR HUTCHINGS INS SVC
	SEYMOUR HUTCHINGS INSURANCE
	STEVEN D SCHATZ
	SYLVIA L PAOLI
	VALDESPINO, ARMANDO
	WESTERN CITIES MORTGAGE CORP
17742	ADLER, M
	CARTER INSURANCE CLAIMS SVC
	CENTRAL LIFE ASSURANCE CO
	D J ZLAKET CO
	DE ANZA PLAZA
	DORA CLARK INTERPRETING
	LAST NAME FIRST CO
	MADELEINE ADLER
	PEARTREI PROPERTIES INC
	ROBERT R SCHNEIDER INSURANCE
17772	ACCURATE ELECTROLYSIS
	ALLSTATE INSURANCE
	AMERICAN COMPUTER SUPPLY
	BOB MATTHEWS
	BUSH, RON
	C A MANTY & ASSOC
	CAP CO LEASING CO
	DANSIG INC
	DAVIS, DENISE E
	DAVIS, ROBERT H
	DEMING, JERRY R
	DENISE E DAVIS
	ELKINS, DAVID N
	GORDON SILPER
	GORDON SOPER
	HAIRS END ELECTROLYSIS
	HECKENKAMP, F W
	INTERNET SYSTEMS
	LAMUTH, MARIE
	LETTER PERFECT MONOGRAMS

IRVINE BLVD 1995 (Cont'd)

17772 MARRIAGE FAMILY COUNSELING
MATTHEWS, R C
MKF COMPUTER SVC
NINBURG, ELIOT
OFF SITES & ENGINEERING CONSTR
PACIFIC EMPIRE FINANCIAL SVC
QUINTESSENCE BUILDING MNTNC CO
ROBERT H DAVIS
ROBERT S FISCHBECK & ASSOCS
RUDOLPH DEW & ASSOC
RUIZ, ALFREDO
SANTONI SKRIFVARS & DAMERELL
SANTONI, S
SIDES, JAMES A
SOUTHLAND REALTORS
TALLMAN, JACK W
TUSTIN SECRETARIAL SVC

17802 ADVANT EDGE REAL ESTATE INC
BROADMOOR SQUARE
BUSTOS, ANTHONY D
CAR TOWN
CAROLE NELSON
CLARK, JUDITH
CYNTHIAS ART HOUSE
DON DONAHO
FCI TRUSTEE SALES
FRED R MARSHALL ASSOC REALTORS
G B FINANCIAL CORP
GRAICHEN TAX & FINANCIAL SVC
GRAICHEN, RONALD L
J M MORTGAGE
J N INVESTMENT REALTY
J T AUTO WHOLESALE
NELSON, CAROLE S
RIGHT MAN INC
TERP, JOHN W
UNIGLOBE ALL ABOUT TRAVEL
VIDEO TONIGHT
WALLOCH & WHIPPLE INSURANCE

17842 ALEXSON INSURANCE SVC
CALIFORNIA INTERCONTINENTAL
CALIFORNIA LABORATORY FORENSIC
EXCEPTIONAL ESCROW SVC INC
HUGO CANTON INSURANCE SVC
INTERSTATE LENDERS ASSISTANCE
J A BLAKE INSURANCE SVC
JACK MEIER DC
JST CORP
JTE BOOKKEEPING & TAX SVC
KUMON MATH CTR TUSTIN

IRVINE BLVD 1995 (Cont'd)

17842	MEIER CHIROPRACTIC OFFICE
	MELANY MEIER DC
	MICKEY MADDEN
	NAGAHAMA, TSUTOMU
	NEWARK ELECTRONICS CORP
	NEWPORT IRVINE REALTORS INC
	REALTY INVESTMENT ASSN CALIF
	RON JENNER & CO
	SHARYN M JONES
	SPECTRUM REAL ESTATE SVC
	WEEKS INSURANCE SVC
17876	OSTLIND, MAE
17878	OCCUPANT UNKNOWNN
17880	MASSIMINO, PAULA P
17884	ROSALES, LOUIS
17886	OCCUPANT UNKNOWNN
17888	SMITH, JERRY
17890	MATZEK, BETTY J
17894	OCCUPANT UNKNOWNN
17896	RAMBERG, DONALD A
17898	BORLASE, BOB
17900	OCCUPANT UNKNOWNN
17902	OCCUPANT UNKNOWNN
17904	OCCUPANT UNKNOWNN
17906	BLACKBURN, JAMES K
17908	LUCAS, JANE
17910	RICE, DARRELL L

IRVINE BLVD 1992

1000 AHLBERG BUS BROKERS
1020 ENVIRONMTL ENGINEER
GRAND RESEARCH&MFG
KLOSTERMAN DOROTHEA
KLOSTERMAN, D M
TROTT H N&ASC
VANDYK L SECRTRL SV
1021 BUNDY DAVID P DR
MAGILL STANLEY J DC
1025 RAMSEY D C
1030 IMAGES BY LINDA
1032 KRIKOURIAN, DAVID S
STATE FARM INS AGNT
1034 ACU CARE HOLISTC CT
DOBSON LES DC
FINK TERRY M DC
PARKHILL ROBIN A DC
1035 ROLFS WINES&SPIRITS
1036 HARMONY GOLF CO
MOZAFARI AMIR DDS
1062 DIAMOND JIMS DAIRY
1076 PINK PANTHER CLNRS
1078 OPEROSE HAIR SALON
1080 PRONAIL
1082 D KS DONUTS NO 15
1084 PENNEY CTLG ORDER
1086 IRVINE CHINESE FOOD
1088 BROWN L J&ASSOCIATE
COMNTY ASN CONSLTNT
G E S COMPUTERS
I E DESIGN
NORSE COMPANY THE
WATERMARK PUBLISHNG
1090 RIVIERA BAKERY
1095 SECURITY PAC
1096 KIDS MART
1100 MAIL BOXES ETC
RESEARCH&RECOVERY
SCOOTERS HALLMARK
URBAN SOLUTIONS
1102 HUANG SAMUEL Y OD
HUANG, SAMUEL Y
1108 CREST JEWELERS
1140 FIRST INTRST
RALPHS GROCERY CO
1150 FAST FOTO NO 2
1152 GOLDEN NEEDLE FBRCS
1161 ARMSTRONG PRINTING
1163 ALTERATIONS LUCIA
1165 COMING ATTRACTIONS

IRVINE BLVD 1992 (Cont'd)

1167	IMMEDIATE PLACEMENT
	SOUTH PAC IMPORTS
	TRAVEL WIDE COMPANY
1169	MAPLETOWN USA
1172	CRESTLINE NUTRITION
1173	REALTY WORLD MV
1182	COLLEENS
1201	DISCIPLES METH CH
	METHODIST CH
1202	THRIFTY DRUG INFO
1204	THREE D BED&BATH
1212	ALWAYS SPACE
1222	FIDDLERS THREE REST
1252	ANDREWS DEBORAH MD
	DENNY WILLIAM F
	DENNY, WILLIAM F
	MENIG JON J DDS
1254	AUSTIN RICHARD DC
	AUSTIN, RICHARD
	BARBARA DENNY MFCC
	BARBARA, DENNY
	DENNY, BARBARA
	ESCROW PRINCIPLES
	HAVEKORST W DDS
	HAY AUDREE FNP
	HAY, AUDREE
	KLINGELHOFER, RONALD I
	RYAN CAROLL MA
	RYAN, CAROLL M
	SKRENES THOS M DC
	URBANSKI T J DDS
1352	OBERREITER RICHD
1372	FIRST KOREAN BAPT
	HOPE CHRISTIAN CH
1442	A BETTER SOLUTN INC
	ALLSTATE INS SALES
	ALMENA INTL USA INC
	BENNETT TCHNCL SRVS
	BREWSAUGH GARY ATTY
	BROWN R L&ASCTS INC
	CENTERPOINTE FNCL
	CHRIST BASED CNSLTG
	CITIZENS CMSN RGHTS
	DILBECK HAROLD ACCT
	DOLLEY ROBERT C
	HANES ACTIVEWEAR
	HERMAN PAUL CPA
	ISRAEL, BONDS
	J J R PRODUCTIONS
	KELSON MICHAEL DDS

IRVINE BLVD 1992 (Cont'd)

1442	LUCAS WILLIAM R
	LUCAS, WILLIAM R
	MASEK&ASC BKKPG&TAX
	MCELROY&COMPANY
	MELONI DAVID A DDS
	MERIDIAN FNCL SERV
	MESA LOAN SERVICES
	PECK ROBERT W ACCNT
	PSYCHOTHERAPY SERVS
	REMS J F ASC
	RIDGE DONALD L
	SELECTIVE ENTP USA
	SKELLY GARRETT ATTY
	SPIVEY&ASSOCIATES
	TELESIS HOME CARE
	TUSTIN JEHOVAHS CTR
	VINOLUS A
	VINOLUS, A
	WARD, DAVID M
	WILSON RANDY R CPA
	WILSON, RANDY R
	WITTMAN R R ATTY
1451	CHURCH SCIENTOLGY
	FLAG SERVICE CNSLT
1782	TYLER, TERRY
1802	DERHAM, ALFRED F
1812	SCHENCK, WARREN G
1832	ADLE, F
1922	R&L TREE SERVICE
1941	MILLIMAN, MICHAEL
1952	THOMAS, RON M
1992	LANG, HENRY R
14422	DOLLEY, ROBERT C
17241	MOBIL SV STA DEALER
17291	ADVANCED HLTH DSGN
	ARGON PERSONNEL SRV
	BAKER RICHARD D
	BANCPLUS MRTG CORP
	BARBA PAUL J ATTY
	BARCELLONA D L CPA
	BARCELLONA, DONALD L
	BARRETT TAMMY L CPA
	BARRETT, TAMMY L
	BOYER ESTHER T MFCC
	BOYER, ESTHER
	CA INTRCNTL TRADING
	CASORIA JOHN B ATTY
	CHRISTIAN ADLT&CHLD
	CONN ROSEMARY PHD
	CONN, R

IRVINE BLVD 1992 (Cont'd)

17291	COX THOMAS P CPA
	ENGINEERING DOCMNTN
	EVANS BARRY L
	FRIEDMAN BRETT CPA
	FRIEDMAN, BRETT R
	G L G GROUP
	GOLDEN GAMES DIV
	HANES KNITWEAR
	HARKINS, GEORGE
	HOLMAN COUNSELING
	HOME INTERIORS&GIFT
	INK SPOT THE
	INTEGRITY SYSTEMS
	JAMAC OFFICE FURN
	KASTEN, RONALD L
	MININSOHN H WM ATTY
	MOTETGRIGORAS, C
	RANDALL INSTRMT INC
	ROCKWOOD MORTGAGE
	ROOS RICHARD O
	RUPARI WEST FOOD SV
	RYAN FNCL SVS CO
	SCHELLENBERG E EDD
	SEARCH ALTERNATIVES
	SIMS FOODS
	STAT NURSES REGSTRY
	STEELE HARRY R CPA
	STEELE, HARRY R
	SYLVESTER, DELMER L
	SYSTELOGIC CORP
	THOMAS TEMPORARIES
	WESTRN PBLSHNG CO
	YODER DON DEVLPS
17321	APPLIED GEOSCIENCES
17332	A S I
	AARON MEDIATION SVS
	ABLE OFC SERV UNLTD
	ACCORD ASSOCIATES
	AMER TAX&TRUST
	COMBUSTION ASSOC
	COMNTY THRIFT&LOAN
	CORPORATE BNFT SYST
	D W&ASSOCIATES INS
	DENNIS J TELFER ASC
	EDWARDS NEAL M CPA
	HOLMES DEBRA
	HOLMES, DEBRA
	INVESTMNT PRPRTY
	J M P ASCTS INS SRV
	JECHART PROPERTIES

IRVINE BLVD 1992 (Cont'd)

17332	JONES DUANE
	JONES, DUANE
	KLEMPNER ROBT ATTY
	NOBLE JOHN R ATTY
	SCHRAMER THOMAS CPA
	SCHRAMER, THOMAS A
	WILLIAMS THOMAS CPA
	WILLZAMS, THOMAS E
17341	DEMING JERRY R
	EVANS RICHD ENTPRS
	HENDERSON NANCY&ASC
	ORANGE CO AMI
	PHOENIX INS SERV
	PIAZZA LOUIS A&ASC
	SUPERIOR REHAB SERV
	UNITECH
	VISTA HEALTH CARE
	ZAHLER, LEN
17371	B D A CONSULTANTS
	DEFOREST RICHARD R
	DEFOREST, RICHARD R
	EAGLE DIVERSIFIED
	HANDLEY WALKER CO
	HANSEN H C ENGINEER
	LEGAL EXECUTIVE SVS
	MIDLAND NATL LF INS
	PAULEY RICHARD H CO
17400	A CAREFAST CENTER
	ABORTION CENTER
	BIRTH CONTROL CNTR
	BOYD, JAMES P
	BURNELL CHRIS MACCC
	CAL MED MANGMNT GRP
	DOCTORS FMLY PLNG
	DUONG, HUONG T
	EKAM ORTHOMOLD
	EKAM, O
	GRIMES JAMES A MD
	HARVILLE, WILLIAM L
	HOOK ERNEST DR DPM
	IMAGAWA KERRIE DDS
	MCCORMICK S MA CCC
	NISHIMURA KARL DDS
	PARKS WM T
	REID, JANELL D
	RICHARDSON T M DDS
	STEWART EDGAR B MD
	STRAIT LAWRENCE MD
	SWITZER, BURNELL C
	TUSTIN HEARING CNTR

IRVINE BLVD 1992 (Cont'd)

17400	VANVLIET DENNIS MA
	VANVLIET, DENNIS
	VASECTOMY CENTER
17401	A F FINANCIAL SERVS
	ADAMSON RE APPRSL
	GRUENAU BKKPG SERV
	IRVINE FMLY CRDT SV
	J L S INCOME TAX
	KEPKE INSURANCE AG
	NEUNDORFER R G
	NEUNDORFER, R G
	PATON CO
	PAYROLL ADVANTAGE
	SOCIETY CLLSN RPR
	TYRA FINANCIAL SERV
	YOUNGEWIRTH&OLENICK
17411	CROWN VLY FUNDING
	IDEAS FOR MANGMNT
	KIERSTYN REALTY
	KINGSPORT
	PROFSNL INCOME PROP
	REHABNET
	SOUTH CST SAVINGS
17421	PARENTS UNITED
	TOT LINE
17452	FARMERS INS
	FIRST FNCL PLANNERS
	HOME FINDING CTR
	PARRISH PERSONNEL
	SUMMERS, TEKA
	VANEK ASSOCIATES
	WRIGHT TRACY D
17461	ASSOCTD FMLY CNSLRS
	COMPUTER CURRICULUM
	CONSTRN INVESTMENTS
	CONTACT COURIER
	DALLAVO, BARBARA J
	FIFE DONALD L CNSLT
	FOSTER&CO
	GOOD SHPHRD CLINIC
	HECHT PATRICIA&ASC
	HOUSING REHAB
	KANNE MICHAEL ATTY
	MORALES, YOLANDA
	NEIGHBORHD MORTGAGE
	PICKERING WM C PHD
	S G VALLEY GROUP
	SARRUS WM J ATTY
	SMITH DAROL
	SMITH, DAROL

IRVINE BLVD 1992 (Cont'd)

17461	SPENCER ROSEMARY MA
	SPENCER, R
	STANLEY DANIEL ATTY
	TSCHUDY, JAMES J
	TUSTIN ELECTROLYSIS
	WAKAI ROBERT J
	WILKIN FRED W CPA
	WILKIN, FRED W
17482	AESTHETIC DNTL CARE
	AUSMUS DANL G DC
	AUSMUS, DANIEL G
	BEVANS DONNA MFCC
	BEVANS, DONNA
	GORRIE DAVE R DC
	HELTON, SHERRY
	HUBBERT ROBERT DDS
	MEYER, DON C
	MONAGHAN, JOAN
	TUSTIN DENTAL GROUP
	WEYRICH JIM DR
	WINKELMAN, GERRI
17491	KAPLAN LARRY S ATTY
	NISSON C A ATTY
	WILKINSON J JR ATTY
17501	AFFORDABLE THERAPY
	BERGLAS HILL RYAN
	CHAPMAN, C S
	COULL CHARLES E
	COULL, CHARLES E
	K&M NEW HOME SALES
	ONEAL BRUSCA MORSE
	PENTICUFF N MA MFCC
	PENTICUFF, NINA E
	RHEINHEIMER RANDALL
	TREVITT F MICHL PHD
	UNITD SERVICE NTWRK
	WILLIAMS, DON
17502	AUFDEMBERG THOS DDS
	DONOFRIO DAVID J MD
	GERBER JEFFREY D DO
	KAR ASHOK MD
	NANCE JOYCE H MD
	YOUNG WM R DDS
17541	KOROL G W MD
	ORTHOPAEDIC PHYSCL
	SHAPIRO MARVIN R MD
17542	ASTARITA DENIS C MD
	CHENNAVASIN J MD
	CHEW STEVEN DDS INC
	HARDY WILLIAM RAND

IRVINE BLVD 1992 (Cont'd)

17542 HARDY, WILLIAM R
HAYMOND RICHARD E
NELSON CAROLYN MD
TONER TERENCE E DDS
17581 CONTRODYNE INC
DIVERSFD SOFTWARE
EXECUTIVE MORTGAGE
EXPANDING HORIZONS
HALO MICROSYSTEMS
HARE J L ASSOCIATES
HENNESSEY JOSEPH A
HENNESSEY, JOSEPH A
HERSHBAIN HAROLD
HERSHBAIN, HAROLD
INTERPORT LTD
MALONE HOMES
MCDANIEL INS SERV
PAC TELEPAGE
SAVAGE JANA T
STOOPS WM B ADVRTSG
WEST CST IMAGE MKRS
17592 ARTHUR J STBLE ATTY
BARDSLEY DAVID ATTY
BENSON BRUCE F ATTY
CENTENNIAL MORTGAGE
FRIED IRWIN M ATTY
GRAHAM DOLORES ATTY
HAMILTON C ATTY
JACKSON HAROLD L
KAMINSKY ERIC ATTY
MCMULLEN BETTY J
WATANABE DIANE ATTY
17621 AVTECH ENVMTL SYSTM
CA INVSTMNT RE FRM
CA SOUTH COAST GAMA
CARNEY PATRICK
CRAWFORD VAN CPA
CRAWFORD, VAN
CRIST, MALCOLM K
DONOVAN DISTBN CO
FRIEDL HAL E CPA
FRIEDL, HAL E
GARDNER J ASSOC MNG
GIBBS BARNEY B ATTY
H K LEE INVSTGN
HARPER, HOWARD
JARDON ENGINEERING
KEO SOFT INTL CORP
KIRK MAYER INC
KOSEK KURT R ATTY

IRVINE BLVD 1992 (Cont'd)

17621 MEADOR, CAROLYN
MERIDIAN CAPITAL
MURPHY, DEL
NEWPRT DEL MAR RE
PETTIBONE D J ATTY
SIATT INS CORP
STAPLETON M G ATTY
STAPLETON, MARLIN G JR
TAYLOR, JOHN
WILSON SPRTNG GOODS
17632 ABEITA&ASSOCIATES
ALLMAN J GERALD MAI
AUTO FNCL INS SERVS
AZTEC HOME LOAN
BERENSCHOT R INS AG
CHURTON TIM
COMMERCL PHOTO CNTR
FRANCIS MICHL J&ASC
FRANCIS, MICHAEL J
GOFF JOE L EA
GOFF, JOE L
JET SOFTWARE
NELSON FRED
NELSON, FRED
OTOOLE LAWRENCE
OTOOLE, L
S G B INSURANCE SRV
SWARTZ&KULPA
TANDLE RAY INS AGCY
ZAITZ DONNA&ASSOCTS
17662 AMER INST HLTH CARE
ARTHUN RAYMOND L
BLOOM STUART A PHD
BLOOM, STUART A
BREAUX&PERRIN
CULLIVAN R DNTL LAB
ECHEANDIA DAVID PHD
FINANCL SV RESOURCE
JADCO CONSTR SRVS
JOHNSON S D ATTY
LINSCO FINANCIAL SV
MASCOTT&ASSOCIATES
PERRIN BRAD
POORE LAURIE
PSYCH SUPPLIES
REGENCY PRPRTY MNG
ROSINGANA R L LAW
VOICE OF CA INC
WESTRN CLLCTN RCVRY
17671 CANNON&JOHNSON INC

IRVINE BLVD 1992 (Cont'd)

17671	DAVIS J INS AGENCY
	DESIGNS WOOD SHOWRM
	EDWARDS JOHN F ATTY
	EDWARDS, JOHN F
	EMMET RON
	EMMET, RON
	GUNN NAT
	GUNN, NAT
	HALL ROBERT INTRS
	HOULIHAN R M CPA
	HOULIHAN, R M
	K KEM CORP
	LYON FINANCIAL SERV
	M F R FNCL RSRC ING
	MAROTTA SCNTFC CNTL
	PAYNTER WILLSEY PRP
	VERITAS
	WESSON PHILIP ATTY
	WESTRN CITIES MRTG
	ZIMMERMAN JAMES L
17702	ABSTOSS INTL STEEL
	INTERCOMMODITY CA
	T C B STEEL CO INC
	TUSTIN PERSONNEL SV
17722	ACCENT ESCROW CORP
	AGENCIA DE TRABAJO
	AMER PROPERTY INTL
	DOMESTIC EXCLNCE AG
	M A P F S CORP
17731	ALLIANCE REPS INTL
	DAVIS JORDAN ATTY
	EASTLICK, PAUL F
	ELLIOTT JANET CPA
	F H C MORTGAGE CORP
	FINK BRUCE R LAW
	HALL ESCROW CO
	NEWPRT PROPERTY TAX
	P F I
	PAOLI PETER J ATTY
	PROTEON INC
	REPUBLIC NATL MRTG
	SOUTHLADN FINANCIAL
	SUCCESS DISTB&SLS
	VALDESPINO A CPA
	WESTRN CITIES MRTG
17742	ADLER MADELEINE
	ADLER, M
	BRADLEY&ASSOCIATES
	CARTER INS CLMS SRV
	DEANZA PLAZA

IRVINE BLVD 1992 (Cont'd)

17742 HUSTON&ASSOCIATES
LAST NAME FIRST CO
MADDEN, MICKEY
MISSION VLY INVSTMT
NEWPRT IRVINE RLTRS
PEARTREI PROPERTIES
SCHNEIDER ROBT INS
17772 ACCURATE ELCTRLYSIS
ALLSTATE INS SALES
AMER COMPUTER SPLY
C A MANTY&ASSOCIATE
CANNON TRANS TECH
CAP CO LEASING CO
CHEMETRON FIRE SYST
DAVIS ROBERT H
DAVIS, ROBERT H
DENCO DEVELOPMENT
ELKINS DAVID N PHD
ELKINS, DAVID N
FOSTER, MARY
INTERNET SYSTEMS
IRVINE PROSPECT BL
LAMUTH, MARIE
LEMON QUENCH
LETTER PERFECT
LEVITT, NEIL N
OFF SITES&ENGRG
PAC EMPIRE FNCL SV
PERSHALL, WALTER
QUINTESSENCE BLDG
RUDOLPH DEW&ASSOCTS
SANTONI SKRIFVARS
SANTONI, S
SOUTHLAND REALTORS
TUSTIN SECRTRL SERV
17802 ADVANT EDGE RE INC
ALL ABOUT TRAVEL
BROADMOOR SQUARE
CAR TOWN
DONAHO DON
DONAHO, DON
FICA INSURANCE SRVS
FOLLIS DORAN INS SV
FORCLOSURE CNSLTS
G B FINANCIAL CORP
J T AUTO WHSL
MARSHALL FRED RLTR
MAWHINNEY&ASSOCIATE
NEWARK ELCTRNCS
RIDGE LAK MNG INC

IRVINE BLVD 1992 (Cont'd)

17802	RIGHT MAN INC THE
	SCHOOLER COMPANY
	VIDEO TONIGHT
	WASH NATIONAL
	WESPAC TAX SERVICE
17842	ALEXSON INS SERVICE
	ARROW APPRAISAL SV
	ART HOUSE THE
	BROADMOOR PRINT
	CAL LAB
	CANNON MORTGAGE CO
	CANTON HUGO INS SVS
	CATTITUDES
	DYNAMIC STRATEGIES
	EXCEPTIONAL ESCROW
	FORENSIC ANALYTICAL
	INTRST LENDERS INC
	J A BLAKE INS SERV
	J S T CORP
	J T E BKKPG&TAX SRV
	JENNER RON&CO
	JONES SHARYN
	JONES, SHARYN
	KUMON MATH CTR TSTN
	MEIER CHRPRCTC CLNC
	NEWARK ELECTRONICS
	REALTY INVSTMENT CA
	SHAHINIAN EDW INS
	TUSTIN AUTO LEASING
	WEEKS INSURANCE SRV
	WOODRUFF&ASCTS INC
17876	OSTLIND, MAE
17878	PIENTON, S
17884	ROSALES, LOUIS
17886	POWERS, JOSEPH C
17894	ABBOTT, G
17896	RAMBERG, DONALD A
17898	BORLASE, BOB
17906	BLACKBURN, JAMES K
17926	BIDESHI, D
17934	BUNKER, KIM J
	SHEEN, THOMAS
17936	GETTER, C R
17956	CURTIUS, THOMAS J
17958	WOOD, JIM
17968	LONSINGER, CAROL S
17976	DARLINGTON, WILLIAM
18001	AMER ACTION MRTG
	FRAZIER COMPANY
	HERITAGE PAINTING

IRVINE BLVD 1992 (Cont'd)

18001 JIMS ELCTL&CMNCTNS
SERVICE 1ST ROOFING
18002 BERNSTEIN WM R ATTY
BERNSTEIN, WILLIAM R
CA INDEMNITY CNSLTS
DORN&ASSOCIATES
EXCLUSIVELY YOURS
FARRAR BRUCE R ATTY
LEWIS&CLARK RL EST
PAC RIM BUILDERS
PATRICIAN ENTPRS
SHARP THOMAS C JR
SHARP, THOMAS C JR
SMITH HENSLEE S LAW
SPECTRUM RL EST SRV
YOUNG CECIL L CPA
18031 CENTREPOINTE INTRS
CRADDOCK ENGRG
CRUM CALVIN&ASSCTS
DIXON RICHARD PA
DIXON, RICHARD D
J P FINANCIAL
RADTRACE CO
TRAN HOA HENRY INS
18062 ALL CARE SERVICES
ATTORNEYS CMPTN SV
PROFSNL PLAN ADMIN
RABUN INSURANCE AG
SEAVIEW COUNSELING
THOMAS F CONSTR CO
18071 ASHLEY FNCL GROUP
GIBSON BEUFORD H&AS
POMAR REALTY
SHERMAN ANNUITY SRV
STATE FARM INS AGNT
18091 BORGES TRAVEL
BRIDGEPORT CPTL FND
DAVID C COMPUTER SV
18102 AVETOOM MARK DDS
CONSTANTINE PAUL DR
DORNAN DONALD C DDS
GENSER PAUL A MD
GRAY DENIS DMD INC
GRAY, DENIS L
IRVINE CARDIOPLMNRY
PADOVA JAMES A MD
SHERIDAN ROBERT MD
THILL RICHARD J
VILLALOBOS FRANK MD
VISTA IMAGING CNTRS

IRVINE BLVD 1992 (Cont'd)

18111	CORNWELL&CO
	FARMERS INS
	ROMERO T FARMRS INS
18121	AMER INST FMLY RLTN
	MILLER LEN&ASSOC
18182	MERVYNS DEPT STORE
18231	ADCOCK CHARLES ATTY
	HOMEFED BANK
	KORUSA TRADING CO
	PAC SUNBELT MRTG
	SWANK WILLIAM E&CO
	TOMA INS BROKERS
18232	CITIBANK FSB CHECKG
18301	CRADDOCK ENGINEERNG
	PAC INTL OIL SERV
	STIVERS&ASSOCIATES
18302	ALLSTATE INS CLAIMS
	COUNTRYWIDE FUNDING
	KEYES FIBRE CO
	PRUDENTIAL CA RLTY
	SOUTH CST ELECTRNCS
18331	A B&B ELCTRNC SPLY
	COMPUTERLAND TUSTIN
	TUSTIN CLEANING CTR
18351	WORLD SAVINGS&LOAN
18410	AMER EAGLE LENDING
176326	ALLMAN, J G
176624	PERRIN, BRAD
176626	ARTHUN, RAYMOND L
1254100	SKRENES, THOMAS M
1442203	HERMAN, PAUL
1750112	RHEINHEIMER, RANDALL C
1729141	COX, THOMAS P
1729141	EVANS, BARRY L
1734111	DEMING, JERRY R
1745210	WRIGHT, TRACY D
1746110	WAKAI, ROBERT J
1759210	JACKSON, HAROLD L
1762120	CARNEY, PATRICK
1773110	ZIMMERMAN, JAMES L
1777220	LEMON, QUENCH

Target Street	Cross Street	Source
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17671	BUILDING		
	★ACTION APPRAISERS	838-1777	+7
	★BART ALEX	838-7006	2
	★CODEX CORP	838-5515	5
	★DIRECTORS MRTG LOAN	832-0700	5
	★GREENBERG FARROW	544-6767	6
	★HALL ROBERT REALTY	544-9353	
	★HOULIHAN R M CPA	731-0911	9
	★LINDSEY&CO	730-0671	0
	★M I T	838-1475	+7
	★MANAGMT RESOURCES	832-1201	5
202	★MAROTTA SCNTFC CNTL	544-2160	
108	★MUTUAL OF OMAHA INS	838-7006	
	★RUIZ JOSPEH P CPA	838-0755	
	★RUIZ&COMPANY	838-0755	
	★STOCKDALE PECKHAM	838-1131	5
	★UNITD BENEFT LF INS	838-7006	
	★UNITD OF OMAHA	838-7006	
	★WALLSTREET PROP	838-1453	4
	★WEST CST CUISINE	832-1300	
	★WEST CST IMAGE MKRS	832-1300	5
	★WESTRN CITIES MRTG	637-9888	+7
	★WESTRN CITIES MRTG	730-1022	+7
17671			
17672	XXXX	00	
17681	XXXX	00	
17702	★N C A CORP	731-8016	2
	★SHOWMAKERS CONVENT	731-6411	4
	★TUSTIN PERSNL SVCES	544-6141	8
17722	★BIOMEDICAL BUS INTL	838-8350	2
	★HALTER PIETER	838-8350	2
	★MARSH BUD ATTY	544-1935	5
	★WITTMAN R R ATTY	731-8555	2
	★WITTMAN WM A ATTY	731-8554	2
	★WITTMAN&WITTMAN	731-8563	0
17731	BUILDING		
	★AMER ROAD SERV CO	544-2584	+7
113	★AMER ROAD SERVICES	544-2582	
	★BEVERLY HLS SECURTY	832-1801	5
	★C A MCLIN&COMPANY	832-3565	6
	★CENTURY FNCL ALTRTV	730-5230	4
	★CENTURY FNCL INS SV	730-5230	
	★CITATION BLDR	731-0141	8
	★COMPUTERWORX	832-8601	6
	★EASLICK PAUL F ATTY	731-4041	6
	★FINK BRUCE R LAW	669-1500	+7
	★FLYNN MATTHEW ATTY	731-4041	4
	★G L SYSTEMS INC	730-6216	4
	★HALL ESCROW CO	832-5134	
	★LEASEWORX	832-8601	6
	★MCLIN C A&COMPANY	832-3565	6
	★NEWPRT FIRST	544-0446	6
	★NEWPRT FIRST FNCL	544-0446	
219	★PAOLI PETER J ATTY	731-4041	
219	★PAOLI SYLVIA L ATTY	731-4041	
219	★PAOLI&PAOLI INC	731-4041	
	★PEARSON NEIL C	838-7055	+7
	★R C A SOLID ST DIV	832-5302	
108	★ROBERTS ROBT H ACCT	838-2727	9
	★SOFTWORX	832-8601	6
	★SORKIN TEER	832-4333	6
	★TEAMWORX	832-8601	6
	★WESSON PHILIP ATTY	832-4280	+7
	★WESTRN CITIES MRTG	838-6677	+7
17731			
17742	★CAL FED MORTGAGE CO	730-2014	5
	★CENTRL LIFE ASRNC	832-6763	8
	★COAST FUNDING&ASSOC	544-1393	4
	★FINANCL CENTER WEST	544-1397	+7
	★HUSTON&ASSOCIATES	832-6763	+7
	★LAST NAME FIRST CO	731-9230	0
	★MADDEN MICKEY	838-8586	1
	★NEWPRT IRVINE RLTRS	838-8586	4
	★SCHNEIDER ROBT INS	838-0690	1
	★WEST COAST MRKTG	472-6322	+7

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..IRVINE BLVD 92680 CONT..

17762	★HALL J PHIL PHD	731-1995 +7
17772	BUILDING	
	★ACCURATE ELCTRLYSIS	731-4737 +7
	★ALLSTATE INS CO SLS	544-4494 6
	★ALPHA CONSTRUCTION	544-2668 +7
	★CONCEPT 7 FMLY	669-9119
	★CONCEPT 7 GROUP	669-9119
	★CONSULTANTS PLUS	731-3408 +7
	★D M S ADVERTISING	838-4414 +7
	★DAVIS ROBERT H	832-6142 1
	★DENCO DEVELOPMENT	730-3628 1
	★DEVELOPMENT MKTG SV	832-1034 6
	★ELKINS DAVID N PHD	544-6418 +7
	★FAMILY LIFE CENTER	838-0100 6
	★GULLIVERS PROPERTY	731-3733 +7
	★HAIRS END THE	731-4737 6
	★HAVILAND PRODUCTS	544-5570 +7
	★IRVINE PROSPECT BL	669-1680 +7
	★LAMUTH MARIE	731-4737 6
	★LEWIS PSYCHLGCL SVS	544-6652 +7
	★ORANGE EMPR CNSTR	832-9591 1
	★PERSHALL WALTER	544-1440 1
	★POWER CITY CONSTR	730-1084 0
	★PUBLIC SERV CORP	544-2668 +7
	★QUINTESSENCE BLDG	544-7180 +7
	★SOUTHLAND REALTORS	544-1440 1
	★STATE CONTR LCNS SC	544-2668 +7
	★TUSTIN ASSC RLTRS	544-0985 1
	★TUSTIN SECRTRL SERV	832-9565 1
	★UNIVEST MORTGAGE	832-4595 6
	★WALING ROBERT	730-8958 +7
	★WESTCOM	832-2131 6
17772		
17773	XXXX	00
17802	BUILDING	
	★ALL ABOUT TRAVEL	832-4080 1
	★ALL OFC BUSNS SYSTM	730-7789 +7
	★BAUMAN EDWARD ATTY	731-1965 +7
	★CASCO INSURANCE SVS	730-1006 +7
	★CLASSIC NAIL CENTER	730-0955 6
	★CORBIN CUSTOM TILE	669-0470 +7
	★DACOR ENTERPRISES	832-5188 +7
	★EXCEPTIONAL ESCROW	730-9741 5
	★F C I TRUSTEE SALES	731-3942 +7
	★FICA INSURANCE SRVS	730-0171 +7
	★FIRST FUNDING OF CA	544-3232 +7
	★FORCLOSURE CNSLTS	731-3942 +7
	★GILLETTE GEO C ATTY	544-1283 +7
	★HENNESSEY JOSEPH A	730-0744 5
	★INCENTIVE WORLD	832-4322 1
	★J B S INNOVATV MKTG	731-1369 +7
	★MARSHALL FRED RLTR	838-8144 +7
	★NEWARK ELCTRNCS	669-1641 +7
	★PLANS&DESIGNS	731-4345 6
	★PREMIER FINANCIAL	838-5888 6
	★ROBBINS JANET	731-3993 6
17802		
17841	XXXX	00
17842	BUILDING	
	★ACCENT SECRETRL SVC	832-8181 4
	★ALL CITIES FNCL SRV	544-4171 +7
	★BOVEE E ENRLLD AGNT	731-5044 5
	★BROADMOOR PRINT	731-6767 3
	★CA LAB FORENSIC SCN	669-9461
	★CAL LAB	669-9461
	★CENTURY 21 WESTLAND	832-5533 5
	★COLWELL FINANCIAL	838-5722 +7
	★COLWELL FINANCIAL	838-6888 +7
	★DON COULSON&ASSOCTS	838-9490 +7
	★FORENSIC ANALYTICAL	544-2245 +7
	★GIFT CHECKBOOK ADVR	838-5362 5
	★HALL GARY	832-6210 9
	★HALL&POWELL INS SRV	832-6100 9
	★INSURANCENTER THE	832-6100 5
210	★JENNER RON&CO	544-5217 8
	★LOPEZ ABELARDO	731-7929 5
	★M&M ASSOCIATION	544-1471
	★MARTIN PAUL DC	953-9611 +7
	★MEIER CHRPRCTC CLNC	544-5255 5
	★MERCHANTS&MFRS ASSN	544-1471
	★POWELL JIM	832-6100 8
	★RED DEVIL INC	841-3606 +7
	★RESOURCE THE	730-9069 6
	★RIDGECREST REL EST	838-1234 +7
	★RODIME LTD	730-1388 +7
	★SAFECO INS	544-2140 1
	★SHAMBURG KEN AGENCY	832-6124 0
	★SMITH JEAN H	832-9012
	★SMITH WILBURN ED	832-9012
	★SUN REALTY	731-4944 +7
	★US ARMY RES RCRTNG	731-0481 3
	★VILLAGE MAINT&SV	730-5639 3
17842		
17878	TAPIA RUFUS D	838-6346
17880	HAMMOND JON	544-6563 +7
17882	XXXX	00
17884	ROSALES ESTER	730-0308 +7
	ROSALES LOUIS	730-0308 +7
17886	POWERS ADELAIDE	832-4151
	POWERS JOS C	832-4151
17888	XXXX	00
17892	XXXX	00
17894	ABBOTT GERLARDO	544-7754 2
17896	RAMBERG DONALD A	731-3168 +7
17898	BORLASE BOB	832-4241
17900	HEYL D	838-0332 6
17902	SISK V I	544-5038 0
17904	XXXX	00
17906	BLACKBURN JAS K	838-5173
17910	WILKES RUSSELL M	832-4372

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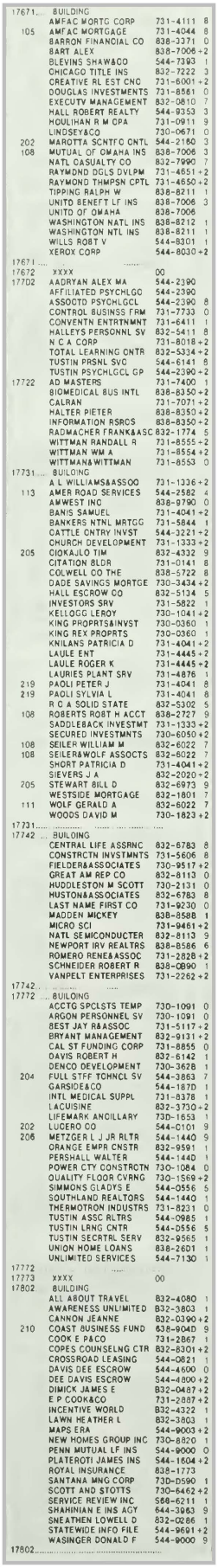

17671 BUILDING
AMFAC MORTG CORP 731-4111 8
105 AMFAC MORTGAGE 731-4044 8
BARRON FINANCIAL CO 838-3371 0
BART ALEX 838-7006 +2
BLEVINS SHAW&CO 544-7393 1
CHICAGO TITLE INS 832-7222 3
CREATIVE RL EST CNC 731-6001 +2
DOUGLAS INVESTMENTS 731-8561 0
EXECUTV MANAGEMENT 832-0810 7
HALL ROBERT REALTY 544-9353 3
HOULIHAN R M CPA 731-0911 9
LINDSEY&CO 730-0671 0
202 MAROTTA SCNTFC CNTL 544-2180 3
108 MUTUAL OF OMAHA INS 838-7006 3
NATL CASUALTY CO 832-7990 7
RAYMOND DGLS DVLPM 731-4651 +2
RAYMOND THMPSN CPTL 731-4650 +2
TIPPING RALPH W 838-8211 1
UNITD BENEFT LF INS 838-7006 3
UNITD OF OMAHA 838-7006
WASHINGTON NATL INS 838-8212 1
WASHINGTON NTL INS 838-8211 1
WILLS ROBT V 544-8301 1
XEROX CORP 544-8030 +2
17671
17672 XXXX 00
17702 AADRYAN ALEX MA 544-2390
AFFILIATED PSYCHLGC 544-2390
ASSOCTD PSYCHLGCL 544-2390 8
CONTROL BUSINSS FRM 731-7733 0
CONVENTN ENTRTNMNT 731-6411 1
HALLEYS PERSONNL SV 832-5411 8
N C A CORP 731-8018 +2
TOTAL LEARNING CNTR 832-5324 +2
TUSTIN PRSNL SVC 544-6141 8
TUSTIN PSYCHLGCL GP 544-2390 +2
17722 AD MASTERS 731-7400 1
BIOMEDICAL BUS INTL 838-8350 +2
CALRAN 731-7071 +2
HALTER PIETER 838-8350 +2
INFORMATION RSRCS 838-8350 +2
RADMACHER FRANK&ASC 832-1774 5
WITTMAN RANDALL R 731-8555 +2
WITTMAN WM A 731-8554 +2
WITTMAN&WITTMAN 731-8553 0
17731 BUILDING
A L WILLIAMS&ASSOC 731-1336 +2
113 AMER ROAD SERVICES 544-2582 4
AMWEST INC 838-9790 0
BANIS SAMUEL 731-4041 +2
BANKERS NTNL MRTGG 731-5844 1
CATTLE CNTRY INVST 544-3221 +2
CHURCH DEVELOPMENT 731-1333 +2
205 CIOKAJLO TIM 832-4332 9
CITATION BLDR 731-0141 8
COLWELL CO THE 838-5722 8
DADE SAVINGS MORTGE 730-3434 +2
HALL ESCROW CO 832-5134 5
INVESTORS SRV 731-5822 1
KELLOGG LEROY 730-1041 +2
KING PROPRTS&INVST 730-0360 1
KING REX PROPRTS 730-0360 1
KNILANS PATRICIA D 731-4041 +2
LAULE ENT 731-4445 +2
LAULE ROGER K 731-4445 +2
LAURIES PLANT SRV 731-4876 1
219 PAOLI PETER J 731-4041 8
219 PAOLI SYLVIA L 731-4041 8
R C A SOLID STATE 832-5302 5
108 ROBERTS ROBT H ACCT 838-2727 9
SADDLEBACK INVESTMT 731-1333 +2
SECURED INVESTMNTS 730-6050 +2
108 SEILER WILLIAM M 832-6022 7
108 SEILER&WOLF ASSOCTS 832-6022 7
SHORT PATRICIA D 731-4041 +2
SIEVERS J A 832-2020 +2
205 STEWART BILL D 832-6973 9
WESTSIDE MORTGAGE 832-1801 7
111 WOLF GERALD A 832-6022 7
WOODS DAVID M 730-1823 +2
17731
17742 BUILDING
CENTRAL LIFE ASSRNC 832-6783 8
CONSTRCTN INVSTMNTS 731-5606 8
FIELDER&ASSOCIATES 730-9517 +2
GREAT AM REP CO 832-8113 0
HUDDLESTON M SCOTT 730-2121 0
HUSTON&ASSOCIATES 832-6783 8
LAST NAME FIRST CO 731-9230 0
MADDEN MICKEY 838-8588 1
MICRO SCI 731-9461 +2
NATL SEMICONDUCTER 832-8113 9
NEWPORT IRV REALTRS 838-8586 6
ROMERO RENE&ASSOC 731-2828 +2
SCHNEIDER ROBERT R 838-0890 1
VANPELT ENTERPRISES 731-2262 +2
17742
17772 BUILDING
ACCTG SPCLSTS TEMP 730-1091 0
ARGON PERSONNEL SV 730-1091 0
BEST JAY R&ASSOC 731-5117 +2
BRYANT MANAGEMENT 832-9131 +2
CAL ST FUNDING CORP 731-8855 0
DAVIS ROBERT H 832-6142 1
DENCO DEVELOPMENT 730-3628 1
204 FULL STFF TCHNCL SV 544-3863 7
GARSIDE&CO 544-187D 1
INTL MEDICAL SUPPL 731-8378 1
LACUISINE 832-3730 +2
LIFEMARK ANCILLARY 73D-1653 1
202 LUCERO CO 544-0101 9
206 METZGER L J JR RLTR 544-1440 9
ORANGE EMPR CNSTR 832-9591 1
PERSHALL WALTER 544-144D 1
POWER CTY CONSTRCTN 730-1084 0
QUALITY FLOOR CVRNG 730-1569 +2
SIMMONS GLADYS E 544-0556 5
SOUTHLAND REALTORS 544-1440 1
THERMOTRON INDUSTRS 731-8231 0
TUSTIN ASSC RLTRS 544-0985 1
TUSTIN LRNG CNTR 544-0556 5
TUSTIN SECRTRL SERV 832-9565 1
UNION HOME LOANS 838-2601 1
UNLIMITED SERVICES 544-7130 1
17772
17773 XXXX 00
17802 BUILDING
ALL ABOUT TRAVEL 832-4080 1
AWARENESS UNLIMITED 832-3803 1
CANNON JEANNE 832-0390 +2
210 COAST BUSINESS FUND 638-904D 9
COOK E P&CO 731-2867 1
COPES COUNSELNG CTR 832-8301 +2
CROSSROAD LEASING 544-0821 1
DAVIS DEE ESCROW 544-4600 0
DEE DAVIS ESCROW 544-4800 +2
DIMICK JAMES E 832-0487 +2
E P COOK&CO 731-2887 +2
INCENTIVE WORLD 832-4322 1
LAWN HEATHER L 832-3803 1
MAPS ERA 544-9003 +2
NEW HOMES GROUP INC 730-8820 1
PENN MUTUAL LF INS 544-9000 0
PLATEROTI JAMES INS 544-1604 +2
ROYAL INSURANCE 838-1773
SANTANA MNG CORP 73D-0590 1
SCOTT AND STOTTS 730-6462 +2
SERVICE REVIEW INC 568-6211 1
SHAHINIAN E INS AGY 644-3963 9
SNEATHEN LOWELL D 832-0286 1
STATEWIDE INFO FILE 544-9691 +2
WASINGER DONALD F 544-9000 9
17802

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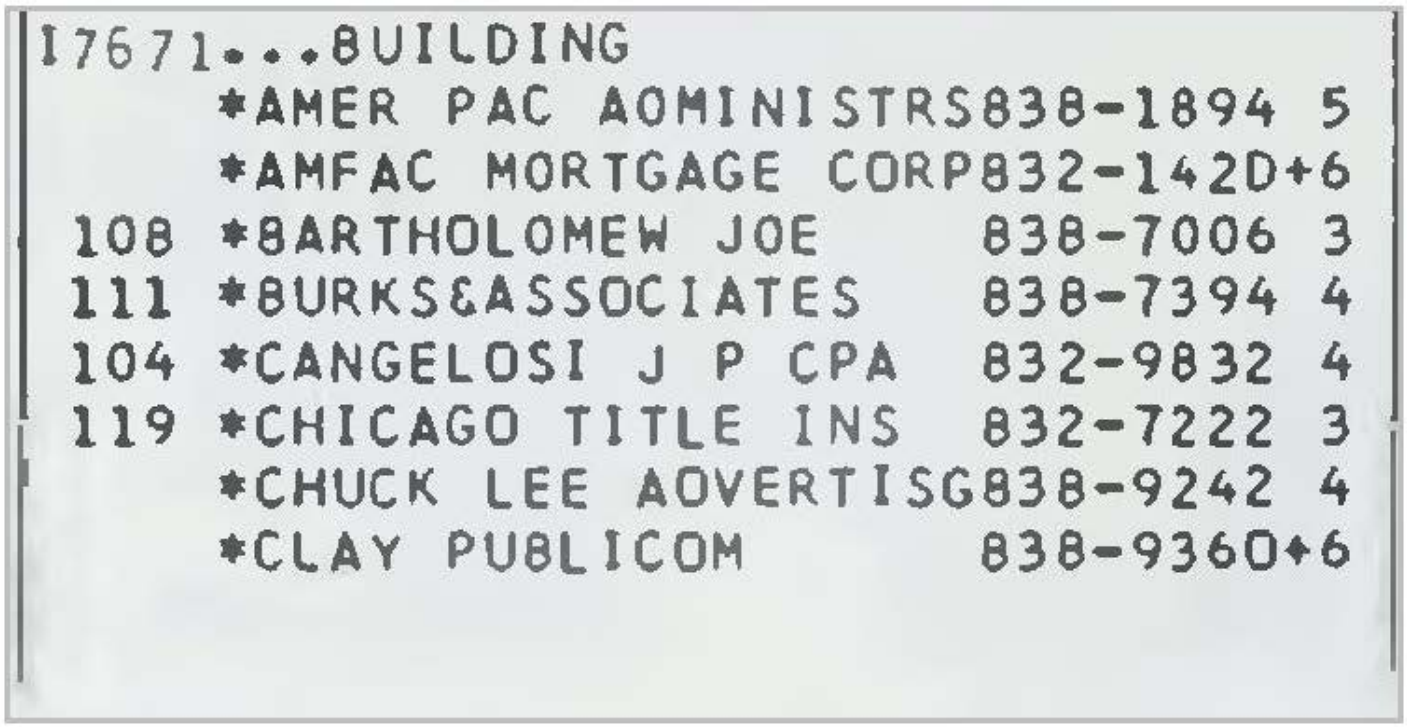
IRVINE BLVD 1982

IRVINE BLVD		92680 CONT	
17842	BUILDING		
	ADVERTISING TECHNLG	838-1833	1
	BRYANT BUREAU	730-7001	1
	ELECTROLYSIS	832-1410	1
	HALL GARY	832-6210	9
	HALL&POWELL INS SRV	832-6100	9
	HARSHAW CHEMICAL	838-8340	1
	HILL GEO	838-4420	9
210	JENNER RON&CO	544-5217	8
	MASSACHUSETTS MUTL	730-0638	1
	MORRIS JOSEPH E	730-0638	1
	PACIFIC MUTUAL	838-7531	5
	PAMS PLAC ELCTRLYS	730-8916	+2
	POWELL JIM	832-6100	8
	R D R&ASSOCIATES	544-4334	+2
	RDR&ASSOCIATES	544-4334	1
	REAL ESTATE NETWORK	832-5533	7
	RECCHIA DOMINIC J	544-2140	1
	REPUBLIC BANK LEASG	731-4221	8
	SAFECO INS	544-2140	1
	SHAMBURG KEN AGENCY	832-6124	0
	SMITH JEAN H	832-9012	7
	SMITH WILBURN ED O	832-9012	
	STANFILL CHARLES R	838-4420	1
	STANFILL HL&VN GRDR	838-4420	1
	VANGORDER JERRE D	838-4420	9
104	WESTLAND RLTY INVST	832-5533	8
17842			
17878	TAPIA RUFUS D	838-6346	6
17880	COMBES JOHN W	731-1127	7
17884	XXXX	00	
17886	POWERS JOS C	832-4151	6
17888	XXXX	00	
17894	ABBOTT GERLARDO	544-7754	+2
17896	BARKAUSKI J	731-2358	1
17898	BORLASE BOB	832-4241	6
17900	ADAMS F E	731-8116	0
17902	SISK V I	544-5038	0
17904	XXXX	00	
17906	BLACKBURN JAS K	838-5173	7

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DRAFT

IRVINE BLVD 1976



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17671...BUILDING
      *AMER PAC AOMINISTRS838-1894 5
      *AMFAC MORTGAGE CORP832-142D+6
 108  *BARTHOLOMEW JOE    838-7006 3
 111  *BURKS&ASSOCIATES   838-7394 4
 104  *CANGELOSI J P CPA  832-9832 4
 119  *CHICAGO TITLE INS  832-7222 3
      *CHUCK LEE AOVERTISG838-9242 4
      *CLAY PUBLICOM      838-9360+6
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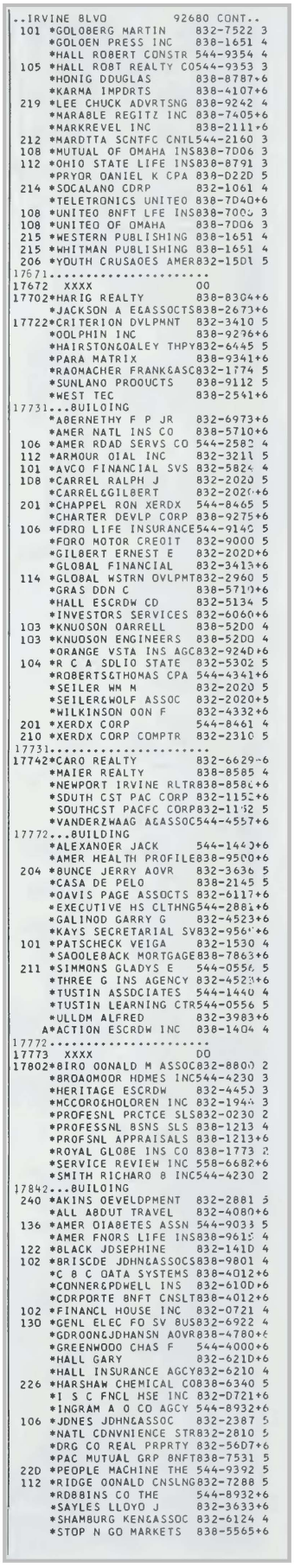
Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DRAFT

IRVINE BLVD 1976



..IRVINE BLVD 92680 CONT..
101 *GOLDBERG MARTIN 832-7522 3
*GOLDEN PRESS INC 838-1651 4
*HALL ROBERT CONSTR 544-9354 4
105 *HALL ROBT REALTY CO544-9353 3
*HONIG DOUGLAS 838-8787+6
*KARMA IMPORTS 838-4107+6
219 *LEE CHUCK ADVRTSNG 838-9242 4
*MARABLE REGITZ INC 838-7405+6
*MARKREVEL INC 838-2111+6
212 *MARDTTA SCNTFC CNTL544-2160 3
108 *MUTUAL OF OMAHA INS838-7D06 3
112 *OHIO STATE LIFE INS838-8791 3
*PRYOR DANIEL K CPA 838-D22D 5
214 *SOCALANO CORP 832-1061 4
*TELETRONICS UNITED 838-7D40+6
108 *UNITED BNFT LFE INS838-7006 3
108 *UNITED OF OMAHA 838-7D06 3
215 *WESTERN PUBLISHING 838-1651 4
215 *WHITMAN PUBLISHING 838-1651 4
206 *YOUTH CRUSADES AMER832-15D1 5
17671.....
17672 XXXX 00
17702*HARIG REALTY 838-8304+6
*JACKSON A E&ASSOCTS838-2673+6
17722*CRITERION DVLPMNT 832-3410 5
*DOLPHIN INC 838-9276+6
*HAIRSTON&OALEY THPY832-6445 5
*PARA MATRIX 838-9341+6
*RADMACHER FRANK&ASC832-1774 5
*SUNLAND PRODUCTS 838-9112 5
*WEST TEC 838-2541+6
17731...BUILDING
*ABERNETHY F P JR 832-6973+6
*AMER NATL INS CO 838-5710+6
106 *AMER ROAD SERVS CO 544-2582 4
112 *ARMOUR DIAL INC 832-3211 5
101 *AVCO FINANCIAL SVS 832-5824 4
108 *CARREL RALPH J 832-2020 5
*CARREL&GILBERT 832-2020+6
201 *CHAPPEL RON XERDX 544-8465 5
*CHARTER DEVLP CORP 838-9275+6
106 *FORD LIFE INSURANCE544-9140 5
*FORD MOTOR CREDIT 832-9000 5
*GILBERT ERNEST E 832-202D+6
*GLOBAL FINANCIAL 832-3413+6
114 *GLOBAL WSTRN DVLPMT832-2960 5
*GRAS DON C 838-5710+6
*HALL ESCRDW CO 832-5134 5
*INVESTORS SERVICES 832-6060+6
103 *KNUDSON DARRELL 838-52D0 4
103 *KNUDSON ENGINEERS 838-52D0 4
*ORANGE VSTA INS AGC832-924D+6
104 *R C A SDLID STATE 832-5302 5
*ROBERTS&THOMAS CPA 544-4341+6
*SEILER WM M 832-2020 5
*SEILER&WOLF ASSOC 832-2020+5
*WILKINSON DON F 832-4332+6
201 *XERDX CORP 544-8461 4
210 *XERDX CORP COMPTR 832-2310 5
17731.....
17742*CARO REALTY 832-6629+6
*MAIER REALTY 838-8585 4
*NEWPORT IRVINE RLTR838-858C+6
*SDUTH CST PAC CORP 832-1152+6
*SOUTHCST PACFC CORP832-1162 5
*VANDERZWAAG A&ASSOC544-4557+6
17772...BUILDING
*ALEXANDER JACK 544-1443+6
*AMER HEALTH PROFILE838-9500+6
204 *BUNCE JERRY ADVR 832-3636 5
*CASA DE PELO 838-2145 5
*DAVIS PAGE ASSOCTS 832-6117+6
*EXECUTIVE HS CLTHNG544-2881+6
*GALINDO GARRY G 832-4523+6
*KAYS SECRETARIAL SV832-9561+6
101 *PATSCHECK VEIGA 832-1530 4
*SADDLEBACK MORTGAGE838-7863+6
211 *SIMMONS GLADYS E 544-0556 5
*THREE G INS AGENCY 832-4523+6
*TUSTIN ASSOCIATES 544-1440 4
*TUSTIN LEARNING CTR544-0556 5
*ULLOM ALFRED 832-3983+6
A*ACTION ESCRDW INC 838-1404 4
17772.....
17773 XXXX DO
17802*BIRO DONALD M ASSOC832-8800 2
*BROADMOOR HOMES INC544-4230 3
*HERITAGE ESCRDW 832-4453 3
*MCCORD&HOLDREN INC 832-1944 3
*PROFESNL PRCTCE SLS832-0230 2
*PROFESSNL BSNS SLS 838-1213 4
*PROFSNL APPRAISALS 838-1213+6
*ROYAL GLOBE INS CO 838-1773 2
*SERVICE REVIEW INC 558-6682+6
*SMITH RICHARD B INC544-4230 2
17842...BUILDING
240 *AKINS DEVELDPMENT 832-2881 5
*ALL ABOUT TRAVEL 832-4080+6
136 *AMER DIABETES ASSN 544-9033 5
*AMER FNDRS LIFE INS838-9615 4
122 *BLACK JOSEPHINE 832-141D 4
102 *BRISCOE JOHN&ASSOCS838-9801 4
*C B C DATA SYSTEMS 838-4012+6
*CONNER&POWELL INS 832-610D+6
*CORPORTE BNFT CNSLT838-4012+6
102 *FINANCL HOUSE INC 832-0721 4
130 *GENL ELEC FD SV BUS832-6922 4
*GDROON&JOHANSN ADVR838-4780+6
*GREENWOOD CHAS F 544-4000+6
*HALL GARY 832-621D+6
*HALL INSURANCE AGCY832-6210 4
226 *HARSHAW CHEMICAL CO838-6340 5
*I S C FNCL HSE INC 832-D721+6
*INGRAM A O CO AGCY 544-8932+6
106 *JONES JOHN&ASSOC 832-2387 5
*NATL CONVNIENCE STR832-2810 5
*ORG CO REAL PRPRTY 832-56D7+6
*PAC MUTUAL GRP BNFT838-7531 5
22D *PEOPLE MACHINE THE 544-9392 5
112 *RIDGE DONALD CNSLNG832-7288 5
*ROBBINS CO THE 544-8932+6
*SAYLES LLOYD J 832-3633+6
*SHAMBURG KEN&ASSOC 832-6124 4
*STOP N GO MARKETS 838-5565+6

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

DRAFT

IRVINE BLVD 1976

```
..IRVINE BLVD                926BO CONT..
      *TAX MSTR INCM TX SV832-D721+6
      *VRYHOF MARY J        832-4122+6
  118 *WANG LABDRATDRIES    B32-472D 4
      *WYNNFIELD HOMES      B32-2BB1 5
17842.........................
17876 BERCK H STEVEN        B3B-8849+6
17B78 TAPIA RUFUS O         838-6346+6
17B84 PDLAND KENNETH E      832-599B+6
17B86 POWERS JOS C          832-4151+6
17890 CARR PHILIP           544-7D12+6
17894 SANDERS JAS R         838-1829+6
17896 STARK THDS G          B32-0692+6
17898 BORLASE BOB           832-4241+6
1790D ALLEY WM E JR         544-B965+6
17904  XXXX                 OO
17906  XXXX                 DD
```

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DRAFT

IRVINE BLVD 1973

```
17501...8UILOING
  12 *8ARANOV&HAYES        544-0790
   4 *CINCH OIV            544-8751
   5 *OONALOSON W H        838-2042
  11 *ELKINS LAVERNE       838-7602
   9 *GEORGE PETER&CO      838-6333
     *HAROROCK EXCAVATORS838-8033+3
  10 *HOOO INVESTMENT CO 838-4355
     *INSTITUTE CLAIMS&CR832-4808 2
     *JENNER RON&CO        544-5217 2
   7 *KANSAS CITY LFE INS544-4808
     *RAOMACHER FRANK      832-1774 2
     *REO CARPET REALTOR 832-4550+3
     *TUSTIN OATA 8UREAU 838-2042+3
     *UNITEO RLTY&INVSTMT838-8320+3
     *WESSEL 8RUCE A       544-4808 2
17501.....................
17502...8UILOING
     *AUFOEMBERG THOS OOS838-3636+3
     *FLAHERTY W T MO      838-2520
     *GRENZ ALFREO H MO    838-2880
     *GRENZ STATSON MOCL 838-2880+3
     *PORR JOHN J MO       838-2300
     *STATSON ANOREW N MO838-2880
    A*OONOFRIO OAVIO J MO838-3368
    8*CRAY OONALO L OR     544-5070
    F*KENOALL J F MO       544-4663
17502.....................
17541...8UILOING
     *CAL OGNSTC RAOOLGCL832-6850 2
     *GAULOEN EOMUNO C MO838-2655 2
     *HERMAN S O           832-7034 2
     *PAOOVA JAMES A MO    838-8151 2
     *STEEOMAN ROBT A MO 838-4452 2
     *TAUCHER LOUIS A MO 838-4452 2
     *VELO CARLOS R MO     838-8310 2
17541.....................
17542...8UILOING
     *CHEW STEVEN R OOS    832-5890 2
     *OENNY WILLIAM F      832-9151+3
     *ERENSTOFT LOWELL MO832-1852+3
     *GALENTE LOUIS F MO 832-1852+3
     *HAROY WM M MO         544-9220 2
     *HAYMONO RICHARO E    838-0575 2
     *SEIFERT L A OOS      832-5890 2
     *TONER TERENCE E OOS544-8000 2
     *WING WILLARO J MO    838-3020 2
17542.....................
17581*ANOREWS JAY A OEV    832-6551+3
     *8ILLY CASPER ARCH    838-7200+3
     *CASPER&RAINVILLE     838-7200+3
     *CREST OEVELOPMENT    832-6551+3
     *FOSTER&ONEILL         544-8810+3
     *LANOMARK INTRS LTO 544-8611+3
     *MARKETING MANAGEMNT544-4693+3
     *ROYAL CARRIAGE EST 832-6551+3
     *STERMAN ROBERT&CO    838-3001+3
17592*ALPINE OEVELOPING    832-5144+3
17671...8UILOING
     *8ARTHOLOMEW JOE      838-7006+3
     *CHICAGO TITLE INS    832-7222+3
     *CHICK TERI INTL      832-7600+3
     *CLAY ROBERT          838-9360+3
```

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DRAFT

IRVINE BLVD 1973

```
..IRVINE 8LVO              92680 CONT..
      *CROUGH&ASSOCIATES   832-1131+3
      *EOGELL ROSS L JR    832-7522+3
      *EOGELL&GOLO8ERG     832-7522+3
      *GOLO8ERG MARTIN     832-7522+3
      *HALL 808 REALTOR    544-9354+3
      *HALL RO8T REALTY CO544-9353+3
      *MAROTTA SCNTFC CNTL544-2160+3
      *MOORE NANCY O UNLTO544-7113+3
      *MUTUAL OF OMAHA INS838-7006+3
      *NANCY O MOORE UNLTO544-7113+3
      *OHIO STATE LIFE INS838-8791+3
      *PATTY LUM8ER        832-9533+3
      *RELIA8LE MANAGEMENT832-1131+3
      *RO8ERT CLAY P R     838-9360+3
      *UNITEO 8NFT LFE INS838-7006+3
      *UNITEO OF OMAHA     838-7006+3
      *UNLIMITEO N O MOORE544-7113+3
17671.....................
17802...8UILOING
      *APPLIEO PLNG OYNMCS832-4211 2
      *8IRO OONALO M ASSOC832-8800 2
      *8ROADMOOR HOMES INC544-4230+3
      *OARLEY GO8AR ASSOC 838-9222+3
      *ENGINEERING SERVICE832-1570 2
      *GREENWOOO CHAS F    544-4000 2
      *HAR8ISON CO THE     832-7495+3
      *HAROESTY AGENCY THE832-1946+3
      *HARSHAW CHEMICAL CO838-6340+3
      *HAWORTH&ANOERSON    832-1601+3
      *HERITAGE ESCROW     832-445O+3
      *MCCORO&HOLOREN INC  832-1944+3
      *MOVERS INS SERVICE  832-1944+3
      *PROFESNL PRCTCE SLS832-0230 2
      *RENFRO MARVIN W AIA832-4211 2
      *RO8ERTS RO8ERT H    544-4341 2
      *ROYAL GLO8E INS CO  838-1773 2
      *SERVICE REVIEW INC  832-1494+3
      *SMITH RICHARO 8 INC544-4230 2
      *STERILAIRE INC      639-6760+3
      *TUSTIN UNFO SC DIST832-04O4+3
178O2.....................
17852  XXXX                 OO
17878 TOWNER FRANK M        544-9504+3
17881  XXXX                 OO
17882 JOHNSON E LEROY       838-5421
17884 SOKOL 8ERNARO         544-1887 2
17886  XXXX                 OO
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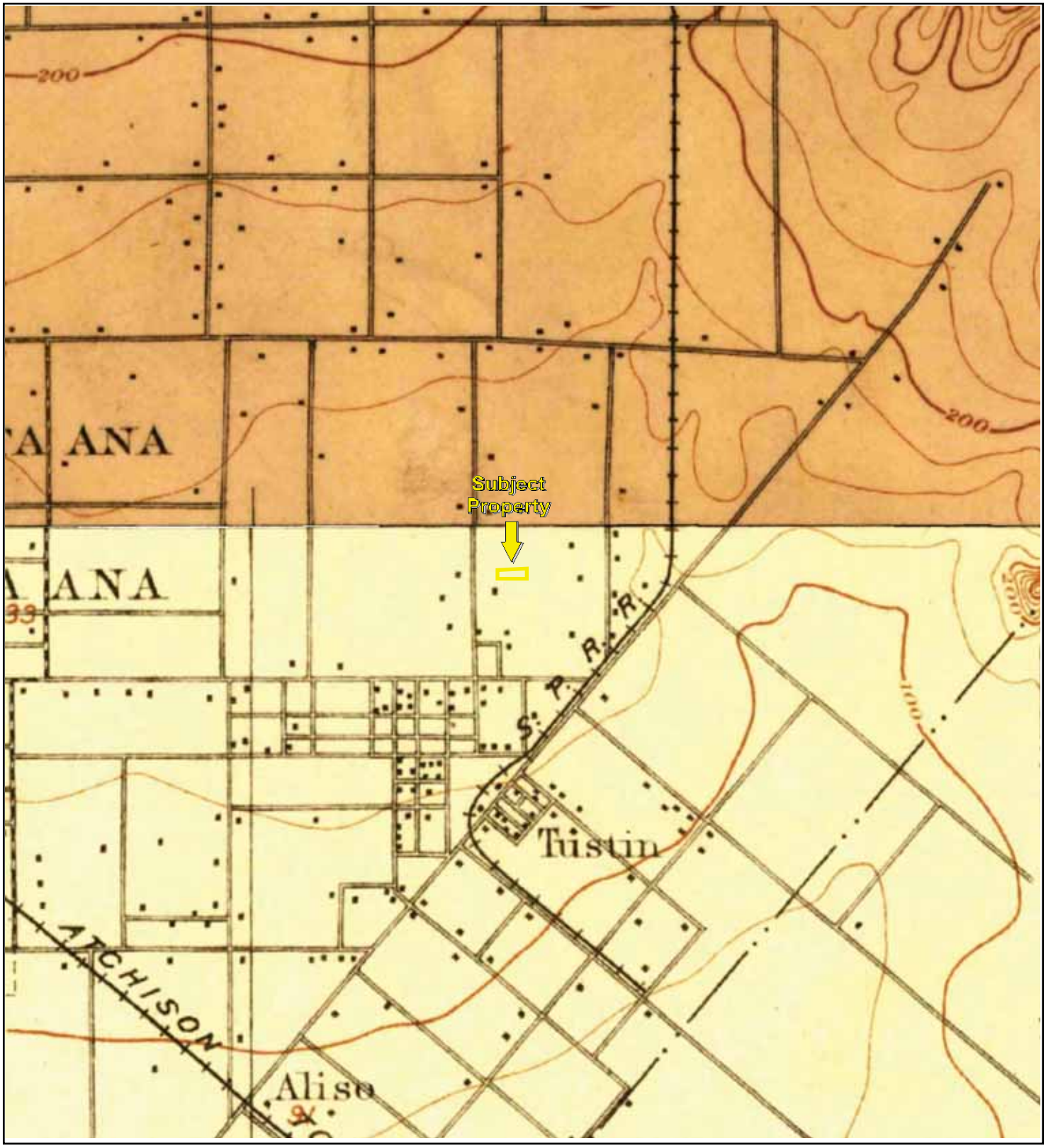


TP, Santa Ana, 1896, 15-minute
N, Anaheim, 1896, 15-minute

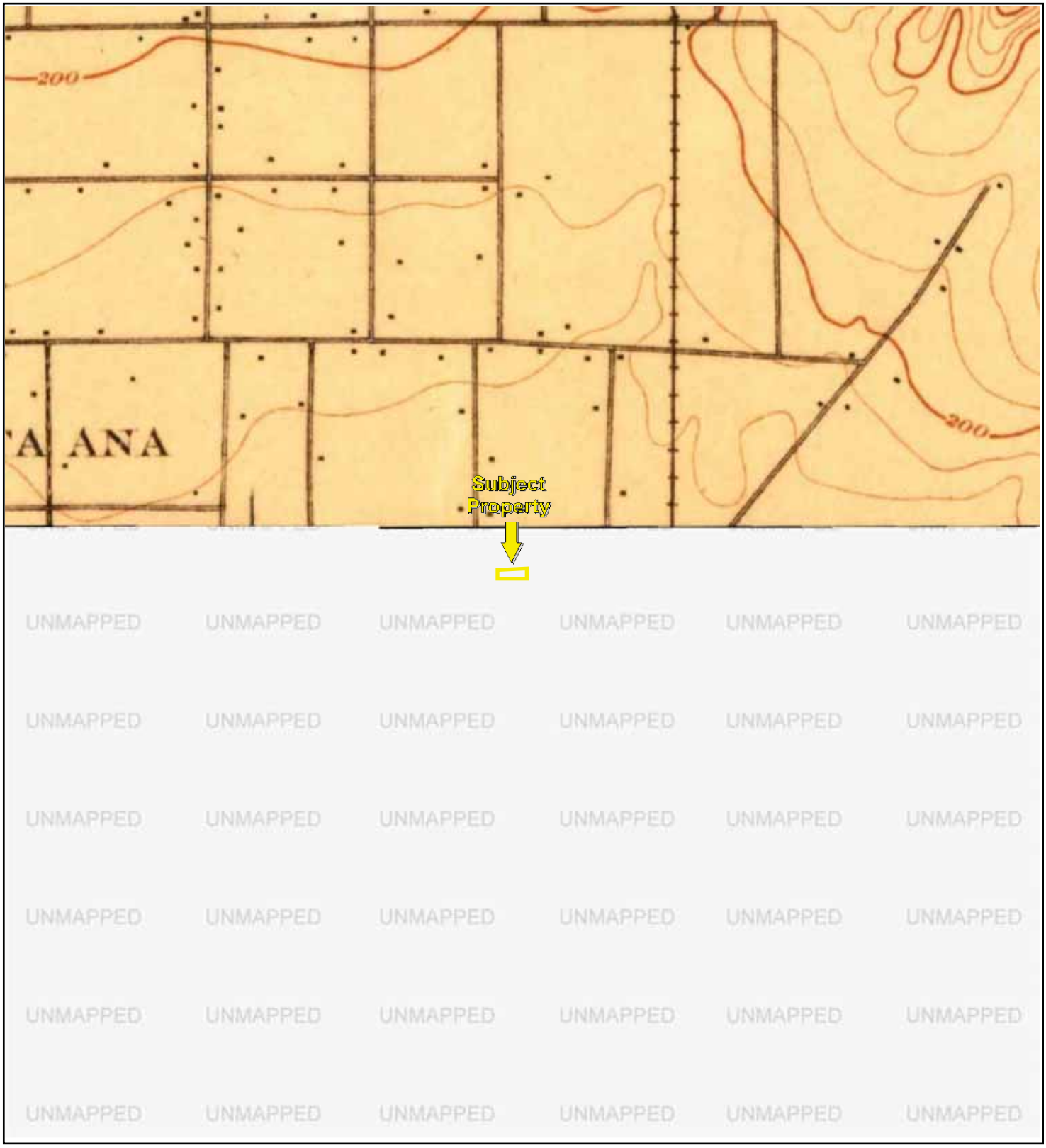
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps
Project No. 21-336657.1

PARTNER



N, Anaheim, 1898, 15-minute

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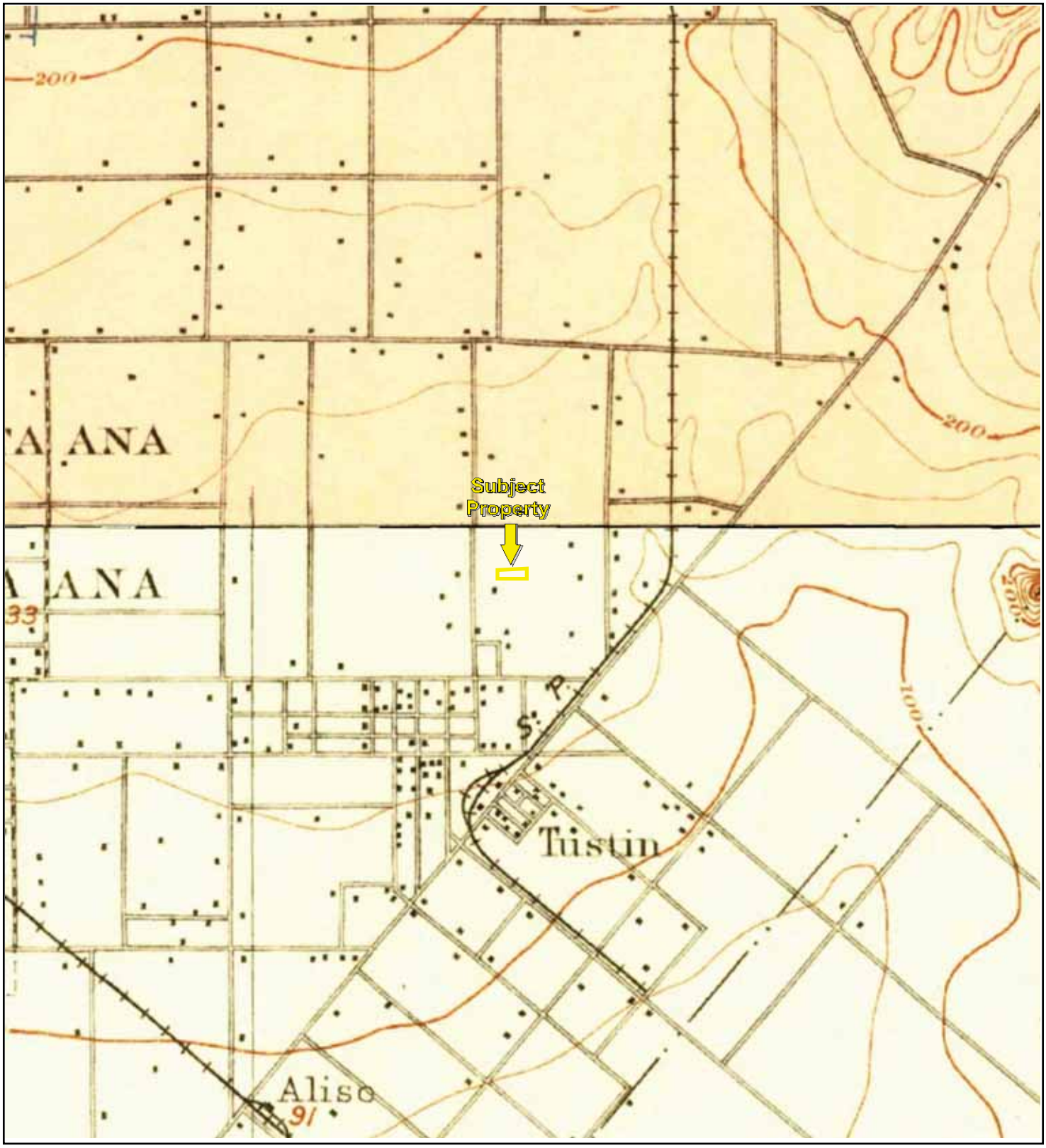
N

Key: Subject Property



TP, Santa Ana, 1901, 15-minute
N, Anaheim, 1901, 15-minute

0 Miles 0.25 0.5 1 1.5

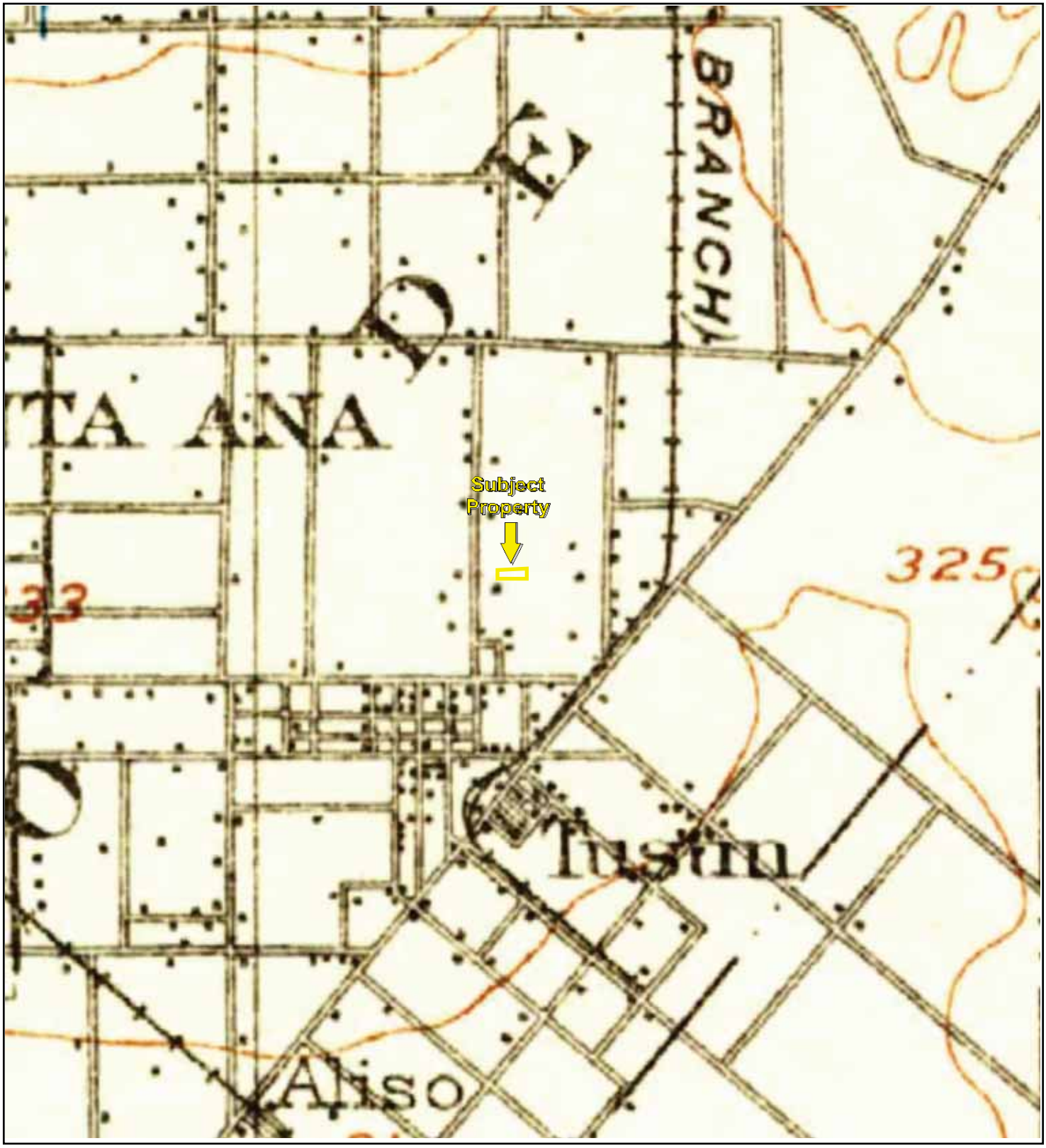
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-336657.1

PARTNER

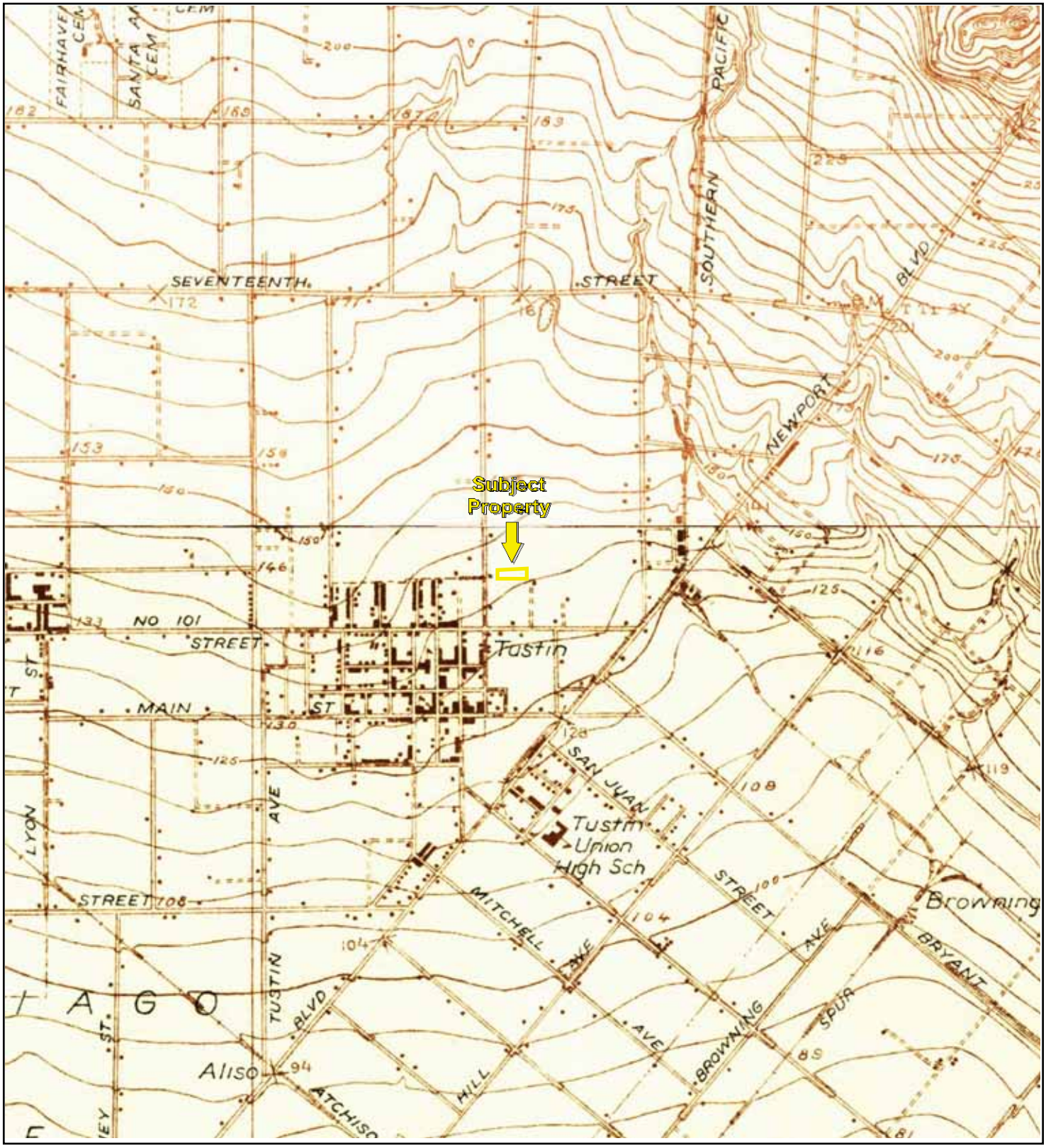


TP, Corona, 1902, 30-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Tustin, 1932, 7.5-minute
N, Orange, 1932, 7.5-minute

0 Miles 0.25 0.5 1 1.5

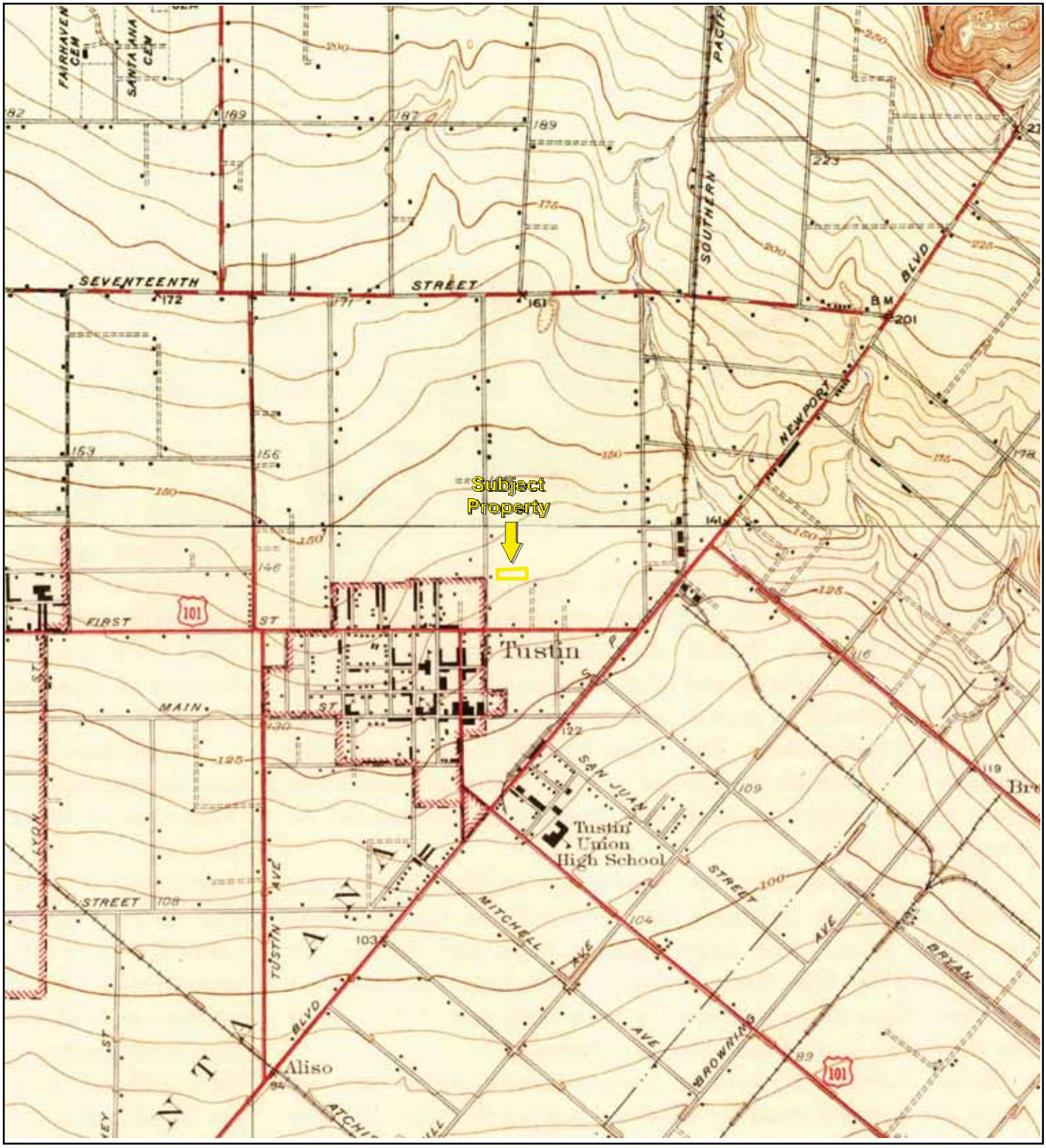
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-336657.1

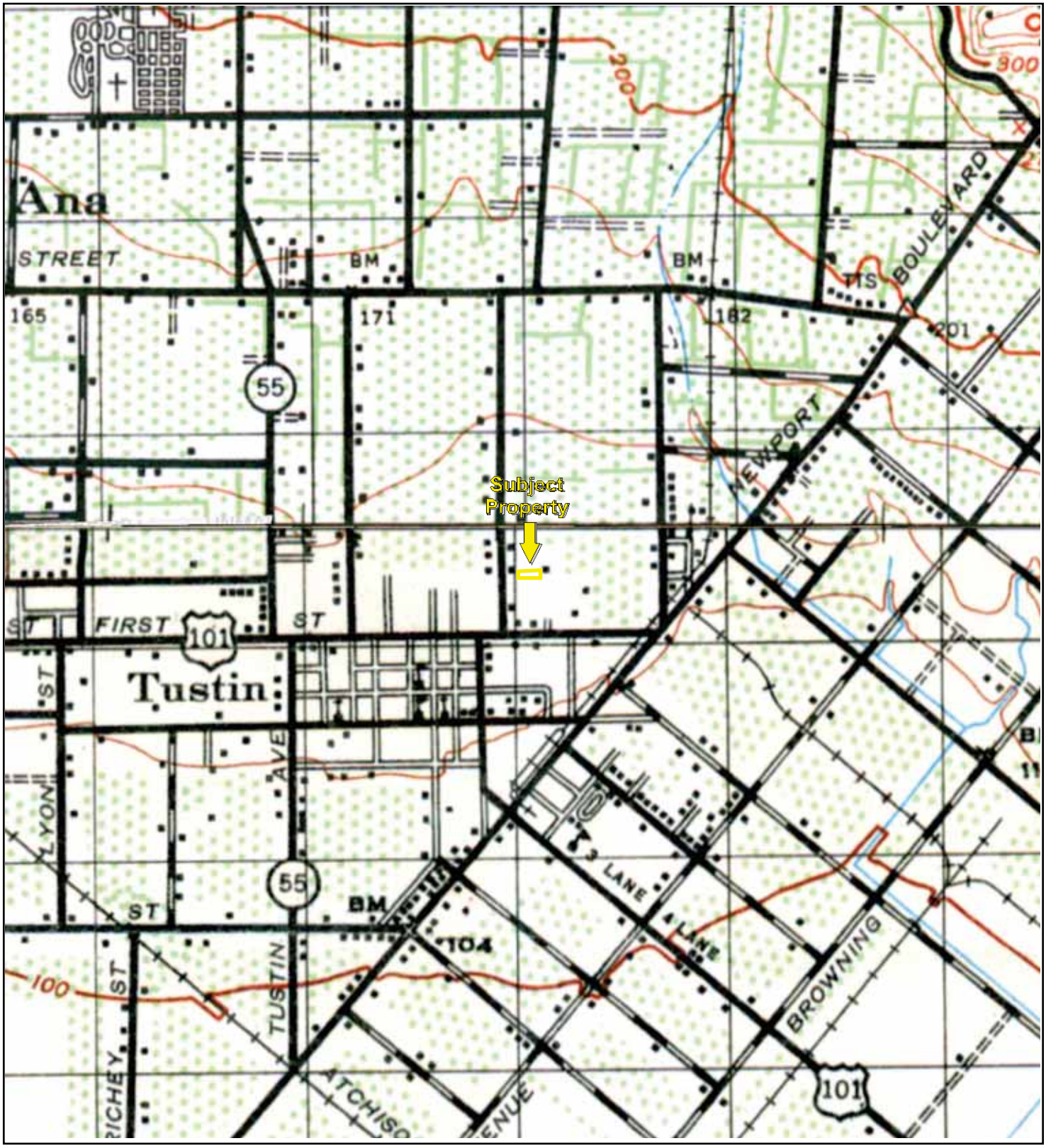
PARTNER



TP, Tustin, 1935, 7.5-minute
N, Orange, 1935, 7.5-minute

N

Key: Subject Property



TP, SANTA ANA, 1942, 15-minute
N, ANAHEIM, 1942, 15-minute

0 Miles 0.25 0.5 1 1.5

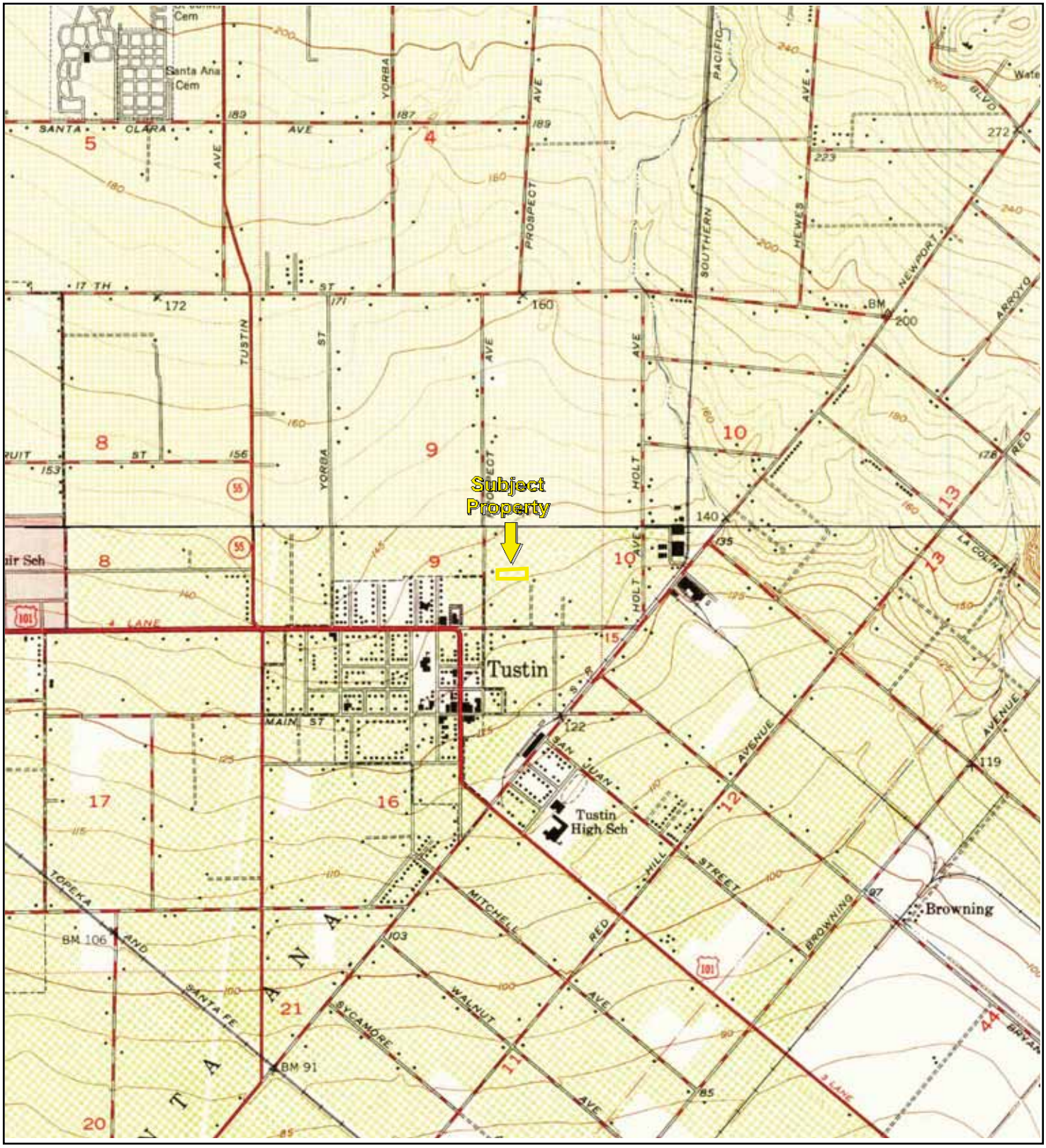
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-336657.1

PARTNER



TP, Tustin, 1948, 7.5-minute
N, Orange, 1949, 7.5-minute

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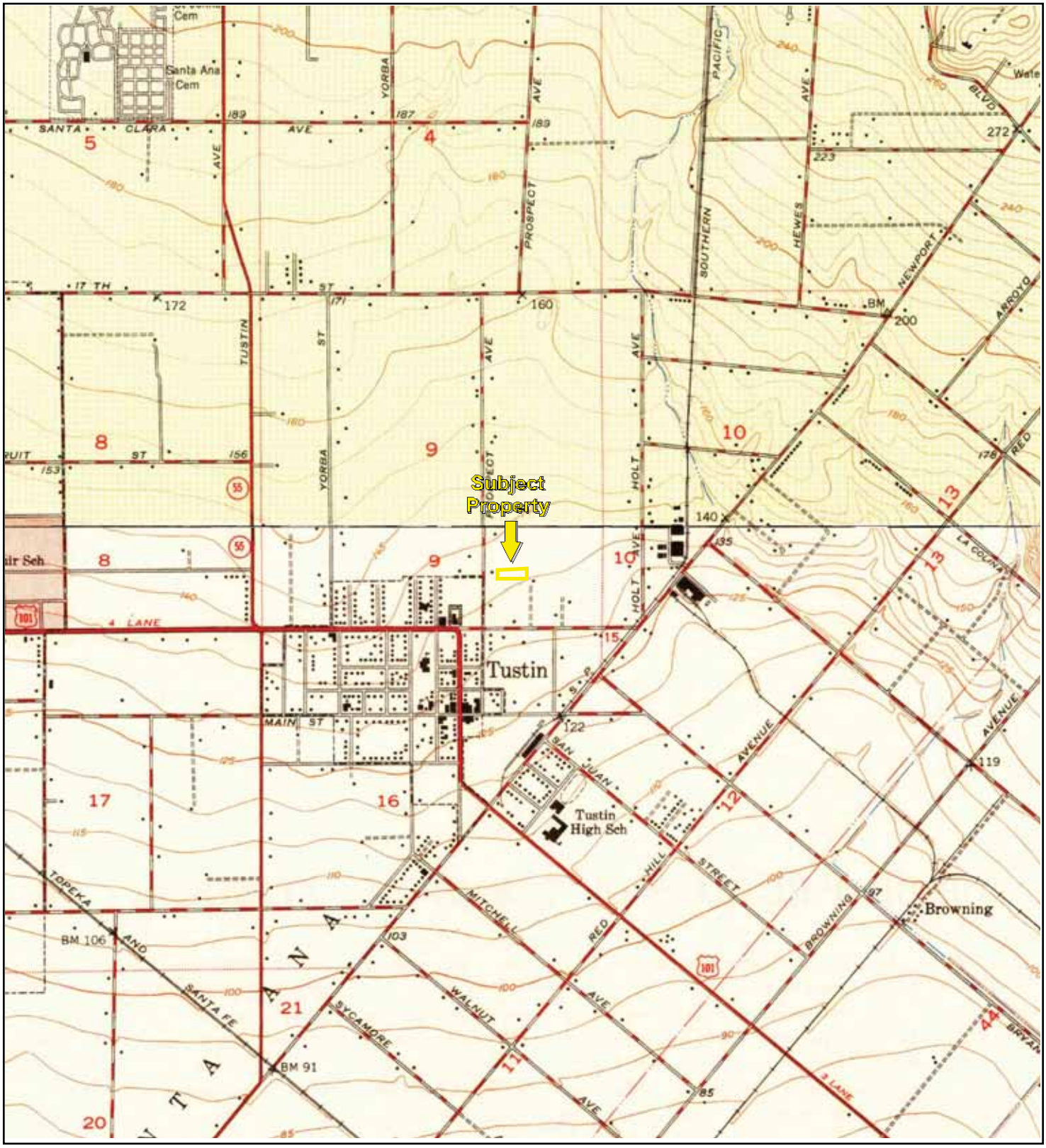
N

Key: Subject Property



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N, Orange, 1950, 7.5-minute

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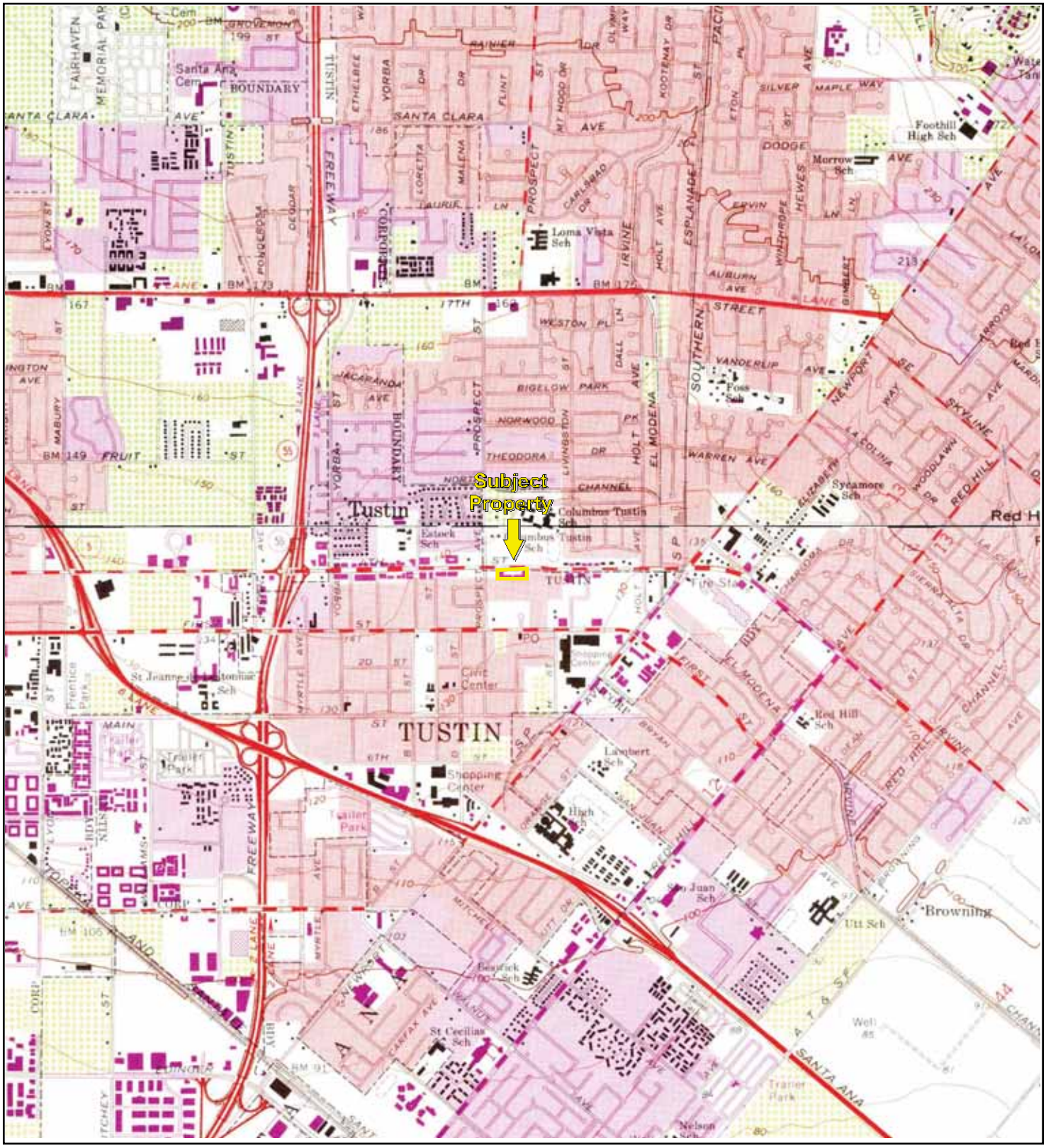
N

Key: Subject Property



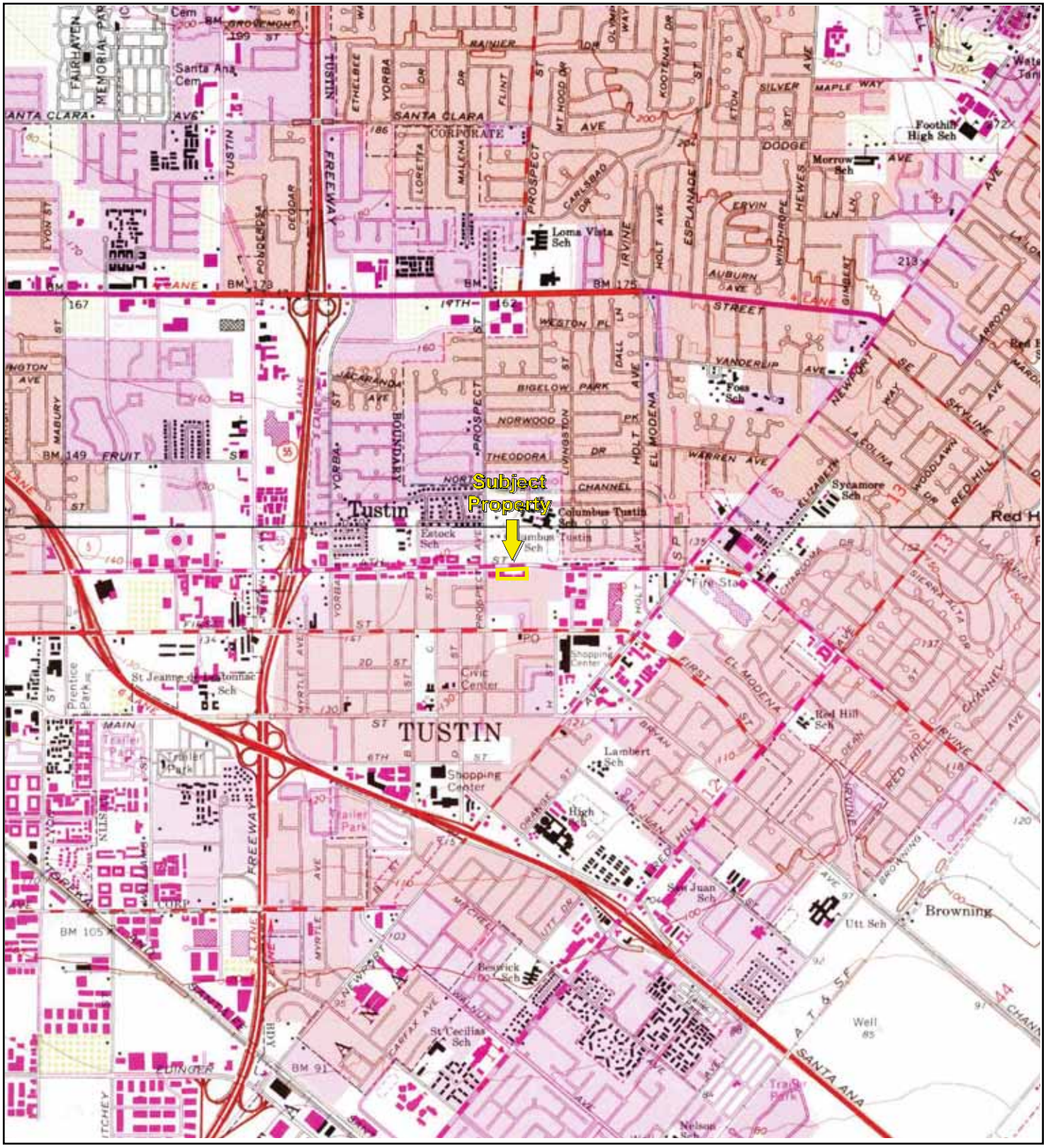
TP, Tustin, 1972, 7.5-minute
N, Orange, 1972, 7.5-minute

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-336657.1



TP, Tustin, 1981, 7.5-minute
N, Orange, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-336657.1

PARTNER



TP, Tustin, 2012, 7.5-minute
N, Orange, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-336657.1

PARTNER

NETROnline

DRAFT

PROPERTY DETAIL REPORT created **2021-09-27** Prepared exclusively for **Janet Tentler**

TARGET PROPERTY

17802 IRVINE BLVD TUSTIN, CA 92780-3258 C018

Owner Information

Owner Name:	TUSTIN BUSINESS CENTER PI PROPERTIES		
Mailing Address:	610 N SANTA ANITA AVE ARCADIA CA 91006-2722 C043		
Phone Number:		**Vesting Codes:**	
Owner Occupied Indicator:	N	**Pending Record Indicator:**	
Corporate Owner:			

Location Information

Legal Description:	P-BOOK: 31 PAGE: 14 PAR: 2		
County:	ORANGE	**APN:**	401-141-13
Census Tract / Block:	0755.05	**Alternate APN:**	
Township-Range-Sect:		**Subdivision:**	RICES ADD/TUSTIN
Legal Book - Page:		**Map Reference:**	23-F1 /
Legal Lot:	2	**Tract #:**	
Legal Block:		**School District:**	TUSTIN
Market Area:	71	**Munic / Township:**	
Neighbor Code:			

Owner Transfer Information

Recording / Sale Date:	01/25/2008	**Sale Price:**	
Document #:		**Deed Type:**	GRANT DEED
Instrument #:	000000051774	**1st Mtg Document #:**	
Book - Page:			

Last Market Sale Information

Recording / Sale Date:	01/25/2008 / 01/24/2008	**1st Mtg Amount / Type:**	/
Sale Price:	$7,030,000.00	**1st Mtg Int. Rate / Type:**	/
Sale Type:	FULL	**1st Mtg Term:**	
Document #:	36607	**1st Mtg Document #:**	
Instrument #:	000000036607	**1st Mtg Instrument #:**	
Book - Page:		**1st Mtg Book - Page:**	
Deed Type:	GRANT DEED	**2nd Mtg Amount / Type:**	/
Transfer Document #:		**2nd Mtg Int. Rate / Type:**	/
New Construction:		**2nd Mtg Term:**	
Multi / Split Sale:	MULTIPLE	**Price per SqFt:**	$156.64
Cash Down Payment:		**Stamps Amount:**	
Title Company:	LANDAMERICA COM'L SVCS		
Lender:			
Seller Name:	TUSTIN BUSINESS CENTER		

Prior Sale Information

Prior Rec / Sale Date:	09/09/1998 / 09/01/1998	**Prior Deed Type:**	GRANT DEED
Prior Sale Price:	$3,125,000.00	**Prior Lender:**	SOUTHERN CA BK
Prior Sale Type:	FULL	**Prior 1stMtg Amount/Type:**	$2,500,000.00 / CONV
Prior Doc #:	604501	**Prior 1stMtg Int. Rate/Type:**	/ FIXED RATE LOAN
Prior Instrument #:	000000604501	**Prior Stamps Amount:**	$3,437.50
Prior Book - Page:			

Site Information

Land Use:	COMMERCIAL (NEC)	**Acres:**	1	**County Use:**	COMMERCIAL
Flood Zone:		**Lot Area:**	43560	**State Use:**	
Flood Zone Map:		**Lot Width / Depth:**	/	**Site Influence:**	
Flood Panel Date:		**Usable Lot:**		**Sewer Type:**	
Res / Comm Units:		**Lot Shape:**		**Topography:**	
# of Buildings:	1	**Bldg Width / Depth:**	/	**Water Type:**	
Zoning:	PR	**Building Class:**	D	**Water District:**	ORANGE CO

Tax Information

Total Value:	$4,161,628.00	**Assessed Year:**	2020	**Property Tax:**	$48,942.84
Land Value:	$2,378,078.00	**Improve %:**		**Tax Area:**	13049
Improvement Value:	$1,783,550.00	**Dist:**		**Tax Year:**	2020
Total Taxable Value:	$4,161,628.00	**Fire Dist:**		**Tax Exemption:**	
Market Value:		**Garbage Dist:**		**Equal Rate:**	
		Delinquent Date:		**Equal Year:**	

Property Characteristics

Gross Area:	44880	**Parking Type:**	GARAGE	**Construction:**	
Living Area:	44880	**Garage Area:**		**Heat Type:**	PARTIAL
Tot Adj Area:		**Garage 2 Area:**		**Heat Fuel:**	ELECTRIC
Above Grade:		**Garage Capacity:**	154	**Parcel Fuel:**	
Ground Floor Area:		**Parking Spaces:**		**Exterior Wall:**	STUCCO

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Base / Main Area:	/	**Carport:**		**Interior Wall:**	
Upper Area:		**Basement Area:**		**Foundation:**	CONCRETE
2nd Floor Area:		**Finish Bsmnt Area:**		**Air Cond:**	
3rd Floor Area:		**Basement Type:**		**Roof Type:**	
Rentable Area:	42867	**Attic Type:**		**Roof Shape:**	FLAT
Additional Area:		**Porch Type:**		**Roof Frame:**	
Total Rooms:		**Porch 1 Area:**		**Roof Material:**	COMPOSITION SHINGLE
Bedrooms:		**Porch 2 Area:**		**Floor Type:**	
Bath (F/H):	/	**Patio Type:**		**Floor Cover:**	
Total Baths / Fixtures:	/	**Patio 1 Area:**		**Style:**	
Year Built / Eff:	1972 /	**Pool:**		**Quality:**	
Fireplace:		**Pool Area:**		**Condition:**	AVERAGE
Fireplace Description:				**# of Stories:**	2
Basement Description:				**Other Rooms:**	
Other Improvements:					
Bldg Comments:	12/86: "BROADMOOR SQUARE";20 UNITS PER BUILDING **				
Parcel Comments:	PBK 31PG 14PAR 2				

Extra Features

Description:	Unit:	Size / Qty:	Width:	Depth:	Year Built:	Improvement Value:

NETRonline and its data supplier(s) do not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information in this report since this information is retrieved as it is recorded from the various agencies that make it available.

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Public Health Services
Environmental Health Division – Records

Name: Janet Tentler **Email:** janet.tentler@gmail.com **Date:** 9/24/21

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For a Phase I Environmental site assessment. Property Transfer

17802 and 17842 Irvine Blvd, Tustin

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Restaurants, Markets, Food Vehicles, Cottage Food, & other Food Facilities
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Hotel/Motel, Residential Housing

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Site Remediation/Site Assessment:
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Hazardous Materials & Hazardous Waste Records **Date(s) from:** 1970 **to:** present
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Other Program Records **Date(s) from:** _____ **to:** _____
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Public Records Request Form

City of Tustin, CA

Submitted On:
September 24, 2021 7:42pm
America/New_York

I am requesting the following:	I would like to review the building permit records for the following addresses: 17802 and 17842 Irvine Blvd
Property address of records requested (if applicable):	17802 and 17842 Irvine Blvd Tustin CA 92780
Contact name:	janet tentler
Contact email:	janet.tentler@gmail.com
Contact phone number:	714-858-0579
Contact address:	935 Oleander Street Brea CA 92821
How would the contact like to receive the records: (check one):	Email

DRAFT

Public Records Request Form

City of Tustin, CA

Submitted On:
September 24, 2021 7:42pm
America/New_York

I am requesting the following:	I would like to review the building permit records for the following addresses: 17802 and 17842 Irvine Blvd
Property address of records requested (if applicable):	17802 and 17842 Irvine Blvd Tustin CA 92780
Contact name:	janet tentler
Contact email:	janet.tentler@gmail.com
Contact phone number:	714-858-0579
Contact address:	935 Oleander Street Brea CA 92821
How would the contact like to receive the records: (check one):	Email

DRAFT

CITY OF TUSTIN

Community Development Department – Building Division
300 Centennial Way, Tustin CA 92780
Building Counter (714) 573-3131 – Inspection Recorder (714) 573-3141

BUILDING PERMIT NUMBER: B02-0447

ADDRESS: 17802 IRVINE BL TUST SUITE

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ASSESSOR'S PARCEL NUMBER: 401-141-13
LOT NUMBER.....:
DEVELOPMENT AREA.....: TUSTIN

SUITE NUMBER...:
TRACT NUMBER.:
ISSUED BY.....:
DATE ISSUED.....: 10/23/2002

PROPERTY OWNER.....: TUSTIN BUSINESS CENTER LP
4523A MACARTHUR BLVD
ORANGE CA92869-4700

CONTRACTOR
ROOFCORP OF CA INC DBA HOLMES ROOFING CO.III
941 N ELM
ORANGE CA92867
714/210-5993

ARCHITECT

JOB DESCRIPTION: t/o reroof, install BUR, area where A/C unit,

O.C.F.A. Number.....:

OCCUPANT LOAD:	0	OCCUPANCY GROUP:		CONSTRUCTION TYPE.:	
RESIDENTIAL SQ.FT:	0	COMMERCIAL SQ FT:	0	INDUSTRIAL SQ FT:	0
GARAGE SQ FT:	0	OFFICE SQ FT:	0	WAREHOUSE SQ FT:	0
ROOF SQ FT:	500	TENANT IMPR. SQ FT:	0	OTHER SQ. FT:	0
NUMBER OF UNITS:	1	NUMBER OF STORIES:	0	UBC EDITION: 1997	
NUMBER OF SEATS:	0	VALUATION...:	$1,250.00	BUILDER VALUATION: $5,975.00	

FEE SUMMARY

PLAN CHECK	$0.00	BUILDING PERMIT:	$264.03		
MECH PERMIT:	$0.00	PLUMBING PERMIT:	$0.00	ELEC PERMIT:	$0.00
SIGN PERMIT:	$0.00	GRADING PERMIT:	$0.00	PRIVATE IMPR:	$0.00
NEW DEV. TAX:	$0.00	TSIP ZONE A FEE:	$0.00	TSIP ZONE B FEE:	$0.00
SMIP FEE:	$1.25	MICROFILM FEE:	$0.00	OCFA FEE:	$0.00
PENALTY FEE.:	$0.00	REFUNDABLE BOND:	$0.00	MISCELLANEOUS:	$310.00

TOTAL FEES: $575.28

LICENSED CONTRACTOR DECLARATION:
I hereby affirm that I am a licensed Contractor under the provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business & Professions Code, and my license is in full force and effect.
LICENSE NUMBER: **803718** LICENSE CLASS: **c39 hic**
Expires DATE:**01/31/2004**

OWNER BUILDER DECLARATION:
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Section 7031.5, Business Professions Code: Any City or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law [Chapter 9 (commencing with Section 7000) of Division 3 of the Business & Professions code] or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00).

_____ I as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Section 7044, Business & Professions Code: the Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If , however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for purposes of sale).

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business & Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) license pursuant to the Contractor's License Law).

_____ I am exempt under Section_____, Business & Professions Code for the following reason(s):_____

Owner Signature:_____ Date:_____

WORKERS' COMPENSATION DECLARATION:
I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for Worker's Compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

_____ I have and will maintain Worker's Compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
My Worker's Compensation insurance carrier and Policy Number are:
POLICY NUMBER: **: 639-0000074** COMPANY: **STATE FUND**
(This section need not be completed if the permit is for one hundred dollars ($100) or less).

_____ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation laws of California, and I agree that if I should become subject to the Worker's Compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature_____ Date:_____

WARNING: Failure to secure Worker's Compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000) in addition to the cost of compensation, damages as provided for in Section (3700) of the Labor Code, interest and attorney fees.

IMPORTANT:
Application is hereby made to the Building Official for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issues as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Administrative Code. I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representative of the City to enter upon the above mentioned property for inspection purposes.

Signature of Owner, Contractor, or Authorized Agent_____ Date_____

*****BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS*****

POST THIS SIDE OUT AT JOB SITE

CITY OF TUSTIN

Community Development Department - Building Division

INSPECTION REQUEST LINE (714) 573-3150

Schedule inspection one work day in advance. To schedule inspections, please provide the following information:
1) Permit number 2) Job address 3) Type of inspection 4) Day and date you need the inspection

1 013448 CONSTRUCTION PERMITS BUILDING564.03
2 013332 BUSINESS LICENSE TAX 10.00
3 012603 NOTION INST. TRUST PGM 1.25

JOB ADDRESS: _____

DRAFT

PERMIT NUMBER: _____

"BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS"

BUILDING INSPECTIONS			COMMENTS	FIXTURE COUNTS
	INSPECTOR	DATE		
UNDERGROUND GAS PIPE				
UNDERGROUND SOIL PIPE				
UNDERGROUND ELECTRIC & GROUND				
FOOTINGS & REINFORCEMENTS				
CONVENTIONAL SLAB				
POST TENSIONED SLAB				
MASONRY WALL FOOTINGS				
MASONRY PRE-GROUT				
ROOF NAILING	B&B	10-26-02		
EXTERIOR SHEAR WALLS				
INTERIOR SHEAR WALLS				
ROUGH PLUMBING				
ROUGH MECHANICAL				
ROUGH ELECTRICAL				
ROUGH FRAMING				
ROUGH FIRE INSPECTION				
INSULATION				
EXTERIOR LATH				
DRYWALL				
SCRATCH COAT				
T-BAR CEILING				
GAS TEST				
GAS METER RELEASE				
ELECTRIC METER RELEASE				
FIRE DEPARTMENT FINAL				
PUBLIC WORKS FINAL				
PLANNING FINAL				
REROOF FINAL	CO	11-20-02		
SIGN FINAL				
WATER SERVICE FINAL				
SEWER FINAL				
HEALTH DEPARTMENT FINAL				
ELECTRIC FINAL				
PLUMBING FINAL				
MECHANICAL FINAL				
ENERGY FINAL				
BLDG FINAL & OCCUPANCY APPRVD				
POOL AND SPA	INSPECTOR	DATE		
EXCAVATIONS/SETBACKS				
MAIN DRAIN				
REINFORCING STEEL & BONDING				
UNDERGROUND PLUMB				
UNDERGROUND GAS TEST				
UNDERGROUND ELECTRIC				
PRE-PLASTER				
POOL FINAL				

NATURE OF WORK:

APPLICATION FOR SIGN PERMIT

APPLICANT: PLEASE FILL IN
USE INDELIBLE PENCIL, BALL POINT OR OTHER
NON-ERASIBLE SUBSTANCE.

CITY OF TUSTIN **1**

APPLICANT MUST COMPLETELY FILL IN
AREA WITHIN HEAVY BORDER ONLY.

BUILDING ADDRESS	17802 IRVINE BLVD
OWNER	ED EVAN TEL NO. 673-338
MAILING ADDRESS	17802 IRVINE BLVD.
CITY	TUSTIN
ARCHITECT OR ENGINEER	TEL NO.
ADDRESS	
CONTRACTOR	UNION SIGN INC. TEL NO. 542-4448
ADDRESS	1332 E Borchard CITY SANTA ANA
CITY LIC NO.	

RECEIVED BY		DATE RECEIVED		NO.	03110
A.P. NO.				DATE ISSUED	6/24/87
NEW	ADD	ALTER	REPAIR	MOVING	DEMONSTR.

OWNER	VALUE $
USE	
USE ZONE	ZONING

PERMANENT		TEMPORARY	
FREE STANDING		DIRECTIONAL	
WALL	1	TRACT I.D.	
WINDOW		CONSTRUCTION	
GROUND BASED			
BOND REQUIRED			
AMOUNT			
RECEIPT NO.			
DATE POSTED			

DESCRIPTION OF WORK

USE OF EXISTING BLDG.	Comercial		
UNDER CANOPY SIGN			
DPC NO.	UP NO.	VAR. NO.	
ENG. DEPT. APPROVAL RIGHT OF WAY			
PLANNING DEPT. APPROVAL			
SIZE (ALL FACES) SQ. FT.	36 ft	HEIGHT APPROVED	

(X) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

COMMENT

8" X 12 ft

Help-u-sell

Can sign w/ Blue Copy

Ivory Bkgd

EXTENDED TO | BY

PERMIT EXPIRES
(TEMPORARY)

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
HOLE OR SUPPORT		
FINAL	7/16/87	DB

PLAN CHECKED BY | APPROVED

BLDG. PER REC. NO.	VALUATION	P.C. FEE $
116789	$	FEE $ 20.06

PERMIT VALIDATION

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P.C. for this reason:

_____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☐ Certified copy is filed with the Department of Building Safety.

Policy No.: 24630

Insurance Co.: United Pacific

Expiration Date 7-1-87 Applicant Union Signs

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-61 License No. 342937

Date 6-25-87 Contractor _____

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

_____ _____

Signature of Owner or Contractor ONLY Date

Permitee

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER
NON-ERASABLE SUBSTANCE

CITY OF TUSTIN **1**

APPLICANT MUST COMPLETELY FILL IN AREA WITHIN HEAVY BORDER ONLY.

BUILDING ADDRESS	17802 IRVINE BLVD.		
TENANT	Help-U-Sell	TEL. NO.	552-3000
MAILING ADDRESS	17802 IRVINE BLVD #123		
CITY	TUSTIN		
PROPERTY OWNER	ED EVAN	TEL. NO.	673-3381
MAILING ADDRESS	17802 IRVINE BLVD.		
CITY	TUSTIN	TEL. NO.	
ARCHITECT OR ENGINEER		TEL. NO.	
ADDRESS			
CONTRACTOR	UNION SIGN	TEL. NO.	
ADDRESS	1332 E Borchard	CITY	SANTA ANA
CITY LIC NO.			

ISSUED BY: MP | DATE ISSUED: 6/29/87 | PERMIT NO.: 0903

DESCRIPTON OF WORK		FEES
RESIDENTIAL (SINGLE OR MULTIFAMILY NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTIFAMILY USE) AREA IN SQUARE FEET		
RECEPTACLE / LIGHT / SWITCH	TOTAL OUTLETS	
LIGHTING FIXTURES	TOTAL FIXTURES	
MOTORS & MISC. H.P.		
SUB PANEL		
SIGNS 1	NO. LAMPS	10 —
	NO. TRANS.	
TEMP. POWER ☐ POLE ☐ UNDGD.		
SERVICE	0 200A	
	201 400A	
	401 600A	
☐ NEW ☐ CHANGE	Over 600A	
PLAN CHECKED BY	APPROVED	
PLAN CHECK REC. NO.	P.C. FEE $	
PERMIT ISSUING FEE		10 —
BLDG. PER REC. NO. 11678	TOTAL FEES	20 —

INSPECTION RECORD

APPROVALS	DATE	INSP.
LIGHT STANDARDS		
TEMPORARY POWER POLES		
UNDERGROUND		
CONDUIT		
WIRING		
POWER		
T-BAR FIXTURES		
FIXTURES		
FINAL	7/16	
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P.C. for this reason:

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☐ Certified copy is filed with the Department of Building Safety

Policy No.: C4630

Insurance Co.: United Pacific

Expiration Date 7-1-87 Applicant Union Sign

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-61 License No. 3429

Date 6-26-87 Contractor _____

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with provisions of Chapter 2 of the Uniform Building

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

_____
Signature of Owner or Contractor ONLY Date

Permitee

APPLICATION FOR BUILDING PERMIT

USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE.

CITY OF TUSTIN **1**

PRESS HARD - THIS IS A 4-PART FORM

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____, B. & P.C. for this reason:

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☐ Certified copy is filed with the Department of Building Safety

Policy No.: WC 8001281 5. OK

Insurance Co.: TRANSAMERICA

Expiration Date 2/28/87 Applicant

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 495347 OK

Date 2/27 Contractor

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

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Signature of Owner or Contractor ONLY Date

Office

APPLICANT MUST COMPLETELY FILL IN AREA WITHIN HEAVY BORDER ONLY.

BUILDING ADDRESS	17802 IRVINE #125
TENNANT	BROADMORE
MAILING ADDRESS	SAME
CITY / TEL. NO.	
ARCHITECT OR ENGINEER / TEL. NO.	SAMUEL P. MADRID 731-9345
ADDRESS	17802 IRVINE
CONTRACTOR / TEL. NO.	HERITAGE 731-0617
ADDRESS / CITY	18001 IRVINE TUSTIN
CITY LIC NO. / STATE LIC. NO.	

DESCRIPTION OF WORK

USE	
WORK TO BE PERFORMED	~~ADD~~ ~~ALT~~ TENANT IMPROVEMENT

SIZE SQ. FT.	500 SF	NO. OF STORIES	NO. OF FAMILIES

◯ NEW ◯ ADD ⊘ ALTER ◯ REPAIR ◯ DEMOLISH

PLAN CHECKED BY	APPROVED
PLAN CHECK REC. NO.	113755
BLDG. PER REC. #	113809
VALUATION	$ 6K
P.C. FEE $	36 23
FEE $	96 50

RECEIVED BY	2/27/87
DATE RECEIVED	2/27/87
NO.	1100
A.P. NO	
DATE ISSUED	3/12/87
PROPERTY OWNER	
ADDRESS	
TRACT / LOT / BLOCK	

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

USE	VALUE $
USE ZONE	ZONING CONDITIONS
STREET IMPROVEMENTS	
APPROVED	
GROUP / TYPE CONST	

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	3/31/87	
DRY WALL	3/31/87	
LATH		
PLASTER BROWN CT		
FINAL	5/7/87	

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER
NON-ERASABLE SUBSTANCE

CITY OF TUSTIN **1**

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

APPLICANT MUST COMPLETELY FILL IN
AREA WITHIN HEAVY BORDER ONLY.

ISSUED BY	DATE ISSUED	NO.
DK	4-7-87	0646

BUILDING ADDRESS 17802 IRVINE
TENANT BROADMOOR TEL. NO.
MAILING ADDRESS SAME
CITY
PROPERTY OWNER TEL. NO.
MAILING ADDRESS
CITY TEL. NO.
ARCHITECT OR ENGINEER TEL. NO.
ADDRESS
CONTRACTOR HERITAGE TEL. NO.
ADDRESS 18001 IRVINE CITY TUSTIN.
CITY LIC NO. A

DESCRIPITON OF WORK		FEES	
RESIDENTIAL (SINGLE OR MULTIFAMILY NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTIFAMILY USE) AREA IN SQUARE FEET			
RECEPTACLE 9 / LIGHT 10 / SWITCH 4	TOTAL OUTLETS 23	10	90
LIGHTING FIXTURES	TOTAL FIXTURES		
MOTORS & MISC. H.P.			
SUB PANEL			
SIGNS	NO. LAMPS		
	NO. TRANS.		
TEMP. POWER ☐ POLE ☐ UNDGD.			
SERVICE	0 200A		
	201 400A		
	401 600A		
☐ NEW ☐ CHANGE	Over 600A		
PLAN CHECKED BY	APPROVED		
PLAN CHECK REC. NO.	P.C. FEE $		
PERMIT ISSUING FEE		10	00
BLDG. PER REC. NO. 19487	TOTAL FEES	20	90

INSPECTION RECORD

APPROVALS	DATE	INSP.
LIGHT STANDARDS		
TEMPORARY POWER POLES		
UNDERGROUND		
CONDUIT	3/31/87	PDM
WIRING	3/31/87	PDM
POWER		
T-BAR FIXTURES		
FIXTURES EXISTING		
FINAL	5/1/87	PDM
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 00) of Div. 3 of the B.& P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B.& P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. ____, B. & P.C. for this reason:

Date ____ Owner ____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☐ Certified copy is filed with the Department of Building Safety

Policy No.: WC 8001 2915
Insurance Co.: CIGA
Expiration Date 2/88 Applicant

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date ____ Applicant ____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 493-497
Date 4-7-87 Contractor

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

Signature of Owner or Contractor ONLY Date

Permitee

50X
100X 4

APPLICATION FOR BUILDING PERMIT

USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE.

1533

CITY OF TUSTIN **1**

PRESS HARD - THIS IS A 4-PART FORM

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____, B. & P.C. for this reason:

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

X ☐ Certified copy is filed with the Department of Building Safety

Policy No.: CIGNA - GL 5357924 OK

Insurance Co.: CIGNA

Expiration Date 2/88 Applicant _____

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 495347 OK

Date 3/11/87 Contractor _____

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

OK

Signature of Owner or Contractor ONLY Date

Office

APPLICANT MUST COMPLETELY FILL IN AREA WITHIN HEAVY BORDER ONLY.

BUILDING ADDRESS	17802 IRVINE BLVD 1250
TENANT	
MAILING ADDRESS	17802 IRVINE BLVD 1250
CITY	TUSTIN TEL. NO.
ARCHITECT OR ENGINEER	SAMUEL MADRID TEL. NO. 731-4345
ADDRESS	17802 IRVINE BLVD SUITE 109
CONTRACTOR	HERITAGE TEL. NO. 731-0617
ADDRESS	19001 IRVINE CITY (MARK) TUSTIN
CITY LIC. NO.	OK STATE LIC. NO.

DESCRIPTION OF WORK

USE	
WORK TO BE PERFORMED	T.I - OFFICE PARTITION

SIZE SQ. FT.	1,000	NO. OF STORIES / NO. OF FAMILIES

◯ NEW ◯ ADD ⊘ ALTER ◯ REPAIR ◯ DEMOLISH

PLAN CHECKED BY	Rein	APPROVED
PLAN CHECK REC. NO. 113809	VALUATION $ 7,500	P.C. FEE $ 44.53
BLDG PERMIT # 138716		FEE $ 68.50

RECEIVED BY VB	DATE RECEIVED 3/12/87	NO. 3/24/87			
A.P. NO		DATE ISSUED 3/25/87			
PROPERTY OWNER					
ADDRESS					
TRACT		LOT		BLOCK	
NEW	ADD	ALTER ✓	REPAIR	MOVING	DEMOLISH
USE		VALUE $			
USE ZONE	ZONING CONDITIONS				
STREET IMPROVEMENTS					
APPROVED					
GROUP	TYPE CONST				

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING OVER	4/13/87	VPB
DRY WALL	4/15/87	DB
LATH		
PLASTER BROWN CT		
FINAL	4/21/87	DB

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER
NON-ERASABLE SUBSTANCE

CITY OF TUSTIN **1**

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

APPLICANT MUST COMPLETELY FILL IN
AREA WITHIN HEAVY BORDER ONLY.

ISSUED BY	DATE ISSUED	NO.
TM	3/24/87	0615

BUILDING ADDRESS: 17802 IRVINE BLVD 1250
TENANT: TEL. NO.:
MAILING ADDRESS: 17402 IRVINE BLVD 1250
CITY: TUSTIN
PROPERTY OWNER: TEL. NO.:
MAILING ADDRESS:
CITY: TEL. NO.:
ARCHITECT OR ENGINEER: SAMUEL MADRID TEL. NO. 731-4345
ADDRESS: 17802 IRVINE BLVD SUITE 109
CONTRACTOR: HERITAGE TEL. NO. 731-0617
ADDRESS: 16001 IRVINE CITY TUSTIN
CITY LIC NO.:

DESCRIPTON OF WORK		FEES	
RESIDENTIAL (SINGLE OR MULTIFAMILY NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTIFAMILY USE) AREA IN SQUARE FEET			
RECEPTACLE 20 / LIGHT 12 / SWITCH 2	TOTAL OUTLETS	19	30
LIGHTING FIXTURES	TOTAL FIXTURES		
MOTORS & MISC.	H.P.		
SUB PANEL			
SIGNS	NO. LAMPS		
	NO. TRANS.		
TEMP. POWER ☐ POLE ☐ UNDGD.			
SERVICE	0 200A		
	201 400A		
	401 600A		
☐ NEW ☐ CHANGE	Over 600A		
PLAN CHECKED BY	APPROVED		
PLAN CHECK REC. NO.	P.C. FEE $		
PERMIT ISSUING FEE		10	—
BLDG. PER REC. NO. 115896	TOTAL FEES	29	30

INSPECTION RECORD

APPROVALS	DATE	INSP.
LIGHT STANDARDS		
TEMPORARY POWER POLES		
UNDERGROUND		
CONDUIT	3/24	TM
WIRING	4/13/87	VAG
POWER		
T-BAR FIXTURES		
FIXTURES		
FINAL	4/13/87	TM
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec._____, B. & P.C. for this reason:

Date_____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☒ Certified copy is filed with the Department of Building Safety

Policy No.: CIGNA - C2538429

Insurance Co.: CIGNA

Expiration Date 7-88 Applicant [signature]

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date_____ Applicant_____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 495347

Date 3/24/87 Contractor [signature]

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

[signature] 3-24-87

Signature of Owner or Contractor ONLY — Date

Permitee

APPLICATION FOR BUILDING PERMIT

USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE.

CITY OF TUSTIN **1**

PRESS HARD - THIS IS A 4-PART FORM

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to any owner who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

. I am exempt under Sec. _____, B. & P.C. for this reason:

_____

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☐ Certified copy is filed with the Department of Building Safety

Policy No.: TRANSAMERICAN WC 800 124 15

Insurance Co.: ROBERT NOEL & ASSOC

Expiration Date 2/87 Applicant HERITAGE

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 495347

Date 10-26 Contractor _____

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

Signature of Owner or Contractor ONLY _____ Date _____

Office

APPLICANT MUST COMPLETELY FILL IN AREA WITHIN HEAVY BORDER ONLY.

BUILDING ADDRESS	17802 Irvine Blvd. Suite 111
TENNANT	Broadmore Square
MAILING ADDRESS	17802 Irvine Blvd
CITY	Tustin TEL NO. Welage, IAC.
ARCHITECT OR ENGINEER	~~Samuel P. Madrid~~ TEL NO.
ADDRESS	6055 W Manchester Ave. St 625, Playa del Rey 90293
CONTRACTOR	Heritage Property Services TEL NO. 731 0617
ADDRESS	18002 Irvine Blvd St 104 CITY Tustin
CITY LIC NO.	O.K. STATE LIC. NO. 445347

DESCRIPTION OF WORK

USE	Office
WORK TO BE PERFORMED	30' new wall
	3 new doors
	6 electrical outlets.

SIZE SQ. FT.	480	NO. OF STORIES / NO. OF FAMILIES

(○) NEW (✓) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

PLAN CHECKED BY	APPROVED	
PLAN CHECK REC. NO.	VALUATION	P.C. FEE $ 25 03
BLDG. PER REQ. # 4312	$ 2800	FEE $ 38 50

RECEIVED BY	JMS
DATE RECEIVED	10/29/86
NO.	0679
A.P. NO	
DATE ISSUED	10/29/86
PROPERTY OWNER	✓
ADDRESS	

TRACT	LOT	BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

USE	VALUE $
USE ZONE C-1	ZONING CONDITIONS PC
STREET IMPROVEMENTS	
APPROVED	
GROUP	TYPE CONST

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	11-4-86	VPB
DRY WALL	11-6-86	VPB
LATH		
PLASTER BROWN CT		
FINAL	11/13/86	D001

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER
NON-ERASABLE SUBSTANCE

CITY OF TUSTIN **1**

IMPORTANT
USE INDELIBLE PENCIL
OR BALL POINT PEN
NO ERASURES ALLOWED

APPLICANT MUST COMPLETELY FILL IN AREA WITHIN HEAVY BORDER ONLY.

BUILDING ADDRESS	17802 Irvine Blvd St. 111		
TENANT	Broadmore Sq.	TEL NO.	
MAILING ADDRESS	17802 Irvine Blvd.		
CITY	Tustin		
PROPERTY OWNER	Broadmore Square	TEL NO.	
MAILING ADDRESS	17802 Irvine Blvd		
CITY	Tustin	TEL NO.	
ARCHITECT OR ENGINEER	Welare In	TEL NO.	
ADDRESS	8055 W. Manchester Ave St. 625 Playa del Rey		
CONTRACTOR	Heritage Prof Services	TEL NO.	731-0617
ADDRESS	18002 Irvine Blvd. Suite 104	CITY	Tustin
CITY LIC NO.	0/C		

ISSUED BY	DATE ISSUED	NO.
10/29/86	10/29/86	0107

DESCRIPITON OF WORK		FEES	
RESIDENTIAL (SINGLE OR MULTIFAMILY NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTIFAMILY USE) AREA IN SQUARE FEET			
RECEPTACLE 6 / LIGHT / SWITCH 2	TOTAL OUTLETS 8	4	—
LIGHTING FIXTURES	TOTAL FIXTURES		
MOTORS & MISC.	H.P.		
SUB PANEL			
SIGNS	NO. LAMPS		
	NO. TRANS.		
TEMP. POWER ☐ POLE ☐ UNDGD.			
SERVICE	0 200A		
	201 400A		
	401 600A		
☐ NEW ☐ CHANGE	Over 600A		
PLAN CHECKED BY	APPROVED		
PLAN CHECK REC. NO.	P.C. FEE $		
PERMIT ISSUING FEE		10	—
BLDG. PER REC. NO. 17328	TOTAL FEES	14	—

INSPECTION RECORD

APPROVALS	DATE	INSP.
LIGHT STANDARDS		
TEMPORARY POWER POLES		
UNDERGROUND		
CONDUIT	11-4-86	VP
WIRING	11-4-86	VP
POWER		
T-BAR FIXTURES		
FIXTURES		
FINAL	11/7/86	Dave
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00) Section 1121 Tustin Municipal Code.

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.):

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☐ I am exempt under Sec. _____, B. & P.C. for this reason:

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

☒ Certified copy is filed with the Department of Building Safety

Policy No.: TRANSAMERICA WC 8001281S

Insurance Co.: ROBERT NOEL & ASS

Expiration Date 7/87 Applicant HERITAGE

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 License No. 445347

Date 10/27/86 Contractor _____

IMPORTANT

Application is hereby made to the Director of Building and Safety for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Building Code.

I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection approval has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. Expiration is 180 days per U.B.C. Section 303(d).

Signature of Owner or Contractor ONLY _____ Date _____

Permitee

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 IRVINE BLVD.
OWNER: WELARC, INC.
MAILING ADDRESS: 17842 IRVINE BLVD.
CITY: TUSTIN, CA. 92680 TEL. NO. 730-5639
ARCHITECT OR ENGINEER: SAMUEL P. MADRID TEL. NO. 730-0985
ADDRESS: STE. 105 17802 IRVINE BLVD TUSTIN CA 92680
CONTRACTOR: VILLAGE MAINT & CONST CO. TEL. NO. 730-5639
ADDRESS: 17842 IRVINE BLVD CITY: TUSTIN CA.
CITY LIC. NO. 091078-98A7 STATE LIC. NO. 463-769

DESCRIPTION OF WORK

USE OF EXISTING BLDG.: OFFICE
WORK TO BE PERFORMED: RELOCATE PARTITIONS AND RELOCATE AND ADD OVER HEAD LIGHTING FIXTURES

SIZE SQ. FT.: 1200 NO. OF STORIES: NO. OF FAMILIES:

◯ NEW ◯ ADD ⊗ ALTER ◯ REPAIR ◯ DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE X Edwin Garcia

PLAN CHECKED BY: APPROVED

PLAN CHECK FEE NO. VALUATION

BLDG PERMIT FEE $

RECEIVED BY	DATE RECEIVED	NO
		17554

A P NO | DATE ISSUED

BUILDING ADDRESS

TRACT | LOT | BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER

USE | VALUE $

USE ZONE | ZONING CONDITIONS: CC Neighborhood Office

STREET IMPROVEMENTS

APPROVED GROUP | TYPE CONST | FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	8/15/	
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON ERASABLE SUBSTANCE

CITY OF TUSTIN

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY	ISSUED BY	DATE ISSUED	NO. 16282

BUILDING ADDRESS: 17802 Irvine
OWNER:
MAILING ADDRESS:
CITY: TEL. NO.:
CONTRACTOR: C.W. Poore Elec. TEL. NO. 835-8131
ADDRESS: 925 Santiago CITY:
CITY LIC. NO. 1099-58[illegible] STATE LIC. NO. 406458-C10

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

X C.W. Poore
SIGNATURE OF PERMITTEE

INSPECTION RECORD

APPROVALS	DATE	INSP.
UNDERGROUND		
CONDUIT	8/15/84	BM
WIRING RCL	8/15/84	BM
POWER		
FIXTURES		
FINAL		
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT.

DESCRIPTION OF WORK		FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET			
	TOTAL OUTLETS		
RECEPTACLE 10			
LIGHT			
SWITCH		5	00
LIGHTING FIXTURES	TOTAL FIXTURES 3	2	50
MOTORS & MISC.	H.P.		
SIGNS	NO. TRANS.		
	NO. LAMPS		
TEMP. POWER	☐ POLE ☐ UNDGD.		
SERVICE	0-200A		
	201-400A		
☐ NEW	401-600A		
☐ CHANGE	OVER 600A		
PERMIT ISSUING FEE			
BLDG. PER REC. NO.	TOTAL FEE $		

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine

OWNER:

MAILING ADDRESS:

CITY: TEL. NO.:

CONTRACTOR: C.W. Poore Co. TEL. NO.: 835-8131

ADDRESS: 925 Santiago CITY:

CITY LIC. NO.: 1099-52 STATE LIC. NO.: 406458-C10

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9 and that such licenses are in full force and effect or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

X _____
SIGNATURE OF PERMITTEE

INSPECTION RECORD

APPROVALS	DATE	INSP.
UNDERGROUND		
CONDUIT	8/15/84	
WIRING RGS	8/15/84	
POWER		
FIXTURES	8/26/84	
FINAL	8/24/84	
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH

WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT.

ISSUED BY	DATE ISSUED	NO.
		16282

DESCRIPTION OF WORK		FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY, NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET			
RECEPTACLE 10 / LIGHT / SWITCH	TOTAL OUTLETS	5	00
LIGHTING FIXTURES	TOTAL FIXTURES 5	2	50
MOTORS & MISC.	H.P.		
SIGNS	NO. TRANS.		
	NO. LAMPS		
TEMP. POWER	☐ POLE ☐ UNDGD		
SERVICE ☒ NEW ☐ CHANGE	0-200A		
	201-400A		
	401-600A		
	OVER 600A		
PERMIT ISSUING FEE		4	00
BLDG. PER REC. NO.	TOTAL FEE $	11	50

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd. #111
OWNER: WELARC, INC.
MAILING ADDRESS: 17842 IRVINE BLVD.
CITY: TUSTIN TEL. NO. 730-5639
ARCHITECT OR ENGINEER: SAMUEL P. MADRID TEL. NO. 731-4345
ADDRESS: 17802 IRVINE BLVD. STE. 105
CONTRACTOR: VILLAGE MAINT. & CONST. CO. TEL. NO. 730-9639
ADDRESS: 17842 IRVINE BLVD CITY
CITY LIC. NO. 091078-88A-7 STATE LIC. NO. 463769

DESCRIPTION OF WORK

USE OF EXISTING BLDG.: OFFICE SUITES
WORK TO BE PERFORMED: ADD PARTITIONS PER PLAN
PAINT AND NEW CARPETING

SIZE SQ. FT. | NO. OF STORIES | NO. OF FAMILIES

( ) NEW (X) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workmen's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE: X Edwin Horacka

PLAN CHECKED BY: TMD APPROVED

PLAN CHECK REC'D: 11/22/13 VALUATION: $ 3200.00 P.C. FEE $ 25.93 BLDG PER REC'D FEE $ 44.50

RECEIVED BY: TMD DATE RECEIVED: 3/30/86 NO: 17265
A.P. NO DATE ISSUED: 3/31/86
BUILDING ADDRESS
TRACT LOT BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER: FICA INS.
USE VALUE $
USE ZONE ZONING CONDITIONS
STREET IMPROVEMENTS
APPROVED
GROUP TYPE CONST FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	6/13/86	DSM
DRY WALL	6/5/86	DSM
LATH		
PLASTER BROWN CT		
FINAL	6/20/86	DSM

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREAS ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY — FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd
OWNER: MR. C. Nielson
MAILING ADDRESS: 1317 5th St.
CITY: Santa Monica TEL. NO. 393-0498
ARCHITECT OR ENGINEER: TEL. NO.
ADDRESS: 638-0972
CONTRACTOR: Glen Sample TEL. NO.
ADDRESS: 12902 7th St. CITY: Garden Grove
CITY LIC. NO. 111159 G.Grove STATE LIC. NO. SRFA 247241 10
DESCRIPTION OF WORK
USE OF EXISTING BLDG.
WORK TO BE PERFORMED: Leasing or Sale Sign
SIZE SQ. FT.: [redacted] NO. OF STORIES: NO. OF FAMILIES:
(X) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE: x Glen Sample

PLAN CHECKED BY | APPROVED: MAC

PLAN CHECK REC NO	VALUATION	P C FEE $
BLDG PERMIT # 40106	$	FEE $ 20.00

RECEIVED BY	DATE RECEIVED	NO
MAC	2-1-80	13797

A P NO | DATE ISSUED: 2-28-80

BUILDING ADDRESS

TRACT	LOT	BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER

USE | VALUE $

USE ZONE | ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP	TYPE CONST	FIRE ZONE

INSPECTION RECORD

Sign

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd
OWNER: A. C. Nielsen
MAILING ADDRESS: 17802 Irvine Blvd 103
CITY: Tustin TEL. NO. 730-6620
ARCHITECT OR ENGINEER: TEL. NO.
ADDRESS:
CONTRACTOR: ~~Dee Davis Escrow~~ New TEL. NO. 730-6620
ADDRESS: 17802 Irvine CITY: Tustin
CITY LIC. NO. STATE LIC. NO.

DESCRIPTION OF WORK

USE OF EXISTING BLDG.
WORK TO BE PERFORMED: "Dee Davis Escrow" newface
SIZE SQ. FT.: 16" x 12' NO. OF STORIES: NO. OF FAMILIES:
( ) NEW ( ) ADD (X) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE: [redacted] K E Smith

PLAN CHECKED BY | APPROVED: MAC

PLAN CHECK REC NO | VALUATION | P C FEE $

BLDG. PER REC # 31732 | $ | FEE $ 20.00

RECEIVED BY: MAC | DATE RECEIVED: 12-11-79 | NO: 13701

A P NO | DATE ISSUED: 12-11-79

BUILDING ADDRESS

TRACT | LOT | BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER

USE | VALUE $

USE ZONE | ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP | TYPE CONST | FIRE ZONE

INSPECTION RECORD

:112 8627 - B 0020.00

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd
OWNER: A.C. Nielsen
MAILING ADDRESS: 17802 Irvine Blvd
CITY: Tustin TEL NO.
ARCHITECT OR ENGINEER: TEL NO.
ADDRESS:
CONTRACTOR: New Homes Group TEL NO. 730 6620
ADDRESS: 17802 CITY: Tustin
CITY LIC. NO. STATE LIC. NO.

DESCRIPTION OF WORK

USE OF EXISTING BLDG.
WORK TO BE PERFORMED: "New Homes Group" replaced face

SIZE SQ. FT. 1'6" x 12' NO. OF STORIES NO. OF FAMILIES

( ) NEW ( ) ADD (X) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE X R.J. Stotts

PLAN CHECKED BY APPROVED MAC

PLAN CHECK REC NO	VALUATION	P C FEE $
BLDG. PER REC # 3731	$	FEE $ 20.00

RECEIVED BY	DATE RECEIVED	NO
MAC	12-11-79	13702

A P NO | DATE ISSUED 12-11-79

BUILDING ADDRESS

TRACT	LOT	BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER

USE VALUE $

USE ZONE ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP	TYPE CONST	FIRE ZONE

INSPECTION RECORD

:112 8626 - B 0.02000

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd. #111
OWNER: WELARC, INC.
MAILING ADDRESS: 17842 IRVINE BLVD.
CITY: TUSTIN TEL. NO. 730-5639
ARCHITECT OR ENGINEER: SAMUEL P. MADRID TEL. NO. 731-4345
ADDRESS: 17802 IRVINE BLVD. STE. 105
CONTRACTOR: VILLAGE MAINT. & CONST. CO. TEL. NO. 730-9639
ADDRESS: 17842 IRVINE BLVD CITY:
CITY LIC. NO. 091078-98A-7 STATE LIC. NO. 463769

DESCRIPTION OF WORK

USE OF EXISTING BLDG.: OFFICE SUITES
WORK TO BE PERFORMED: ADD PARTITIONS PER PLAN
PAINT AND NEW CARPETING

SIZE SQ. FT. | NO. OF STORIES | NO. OF FAMILIES

( ) NEW (X) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE X Edwin Garatea

PLAN CHECK FEE PAID 11293 | VALUATION $3200.00 | 25 93 50 | 44

RECEIVED BY | DATE RECEIVED 3/30/86 | NO 17265
A P NO | DATE ISSUED 3/30/86
BUILDING ADDRESS
TRACT | LOT | BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER
USE | VALUE $
USE ZONE | ZONING CONDITIONS
STREET IMPROVEMENTS
APPROVED GROUP | TYPE CONST | FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	6/3/86	Dan
DRY WALL	6/5/86	Dan
LATH		
PLASTER BROWN CT		
FINAL	6/26/86	Dan

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AR. ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

1

CITY OF TUSTIN

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 IRVINE BLVD
OWNER: MR. C. NIELSEN
MAILING ADDRESS: 1317 5TH ST.
CITY: SANTA MONICA TEL. NO. 393-0698
ARCHITECT OR ENGINEER TEL. NO.
ADDRESS
CONTRACTOR: GLEN SAMPLE TEL. NO. 638-0972
ADDRESS: 2902 7th St. CITY: GROVE
CITY LIC. NO. 111159 G. Grove STATE LIC. NO. SREA
DESCRIPTION OF WORK 24'x24'x10'
USE OF EXISTING BLDG.
WORK TO BE PERFORMED: Leasing or Sale Sign

SIZE SQ. FT. 22000 NO. OF STORIES NO. OF FAMILIES

(X) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE X Paula Bystone

PLAN CHECKED BY APPROVED MAC

PLAN CHECK REC NO. 40706 | VALUATION $ | P.C. FEE $ | BLDG. PERMIT FEE $ 20.00

RECEIVED BY: MAC | DATE RECEIVED: 2-1-80 | NO: 13797
A P NO | DATE ISSUED: 2-28-80
BUILDING ADDRESS
TRACT | LOT | BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER
USE | VALUE $
USE ZONE | ZONING CONDITIONS
STREET IMPROVEMENTS
APPROVED
GROUP | TYPE CONST | FIRE ZONE

INSPECTION RECORD

Sign

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

1

CITY OF TUSTIN

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd
OWNER: A. C. Nielsen
MAILING ADDRESS: 17802 Irvine Blvd 103
CITY: TUSTIN TEL. NO. 730-6620
ARCHITECT OR ENGINEER TEL. NO.
ADDRESS
CONTRACTOR: ~~New~~ Dee Davis Escrow TEL. NO. 730-6620
ADDRESS: 17802 Irvine CITY: TUSTIN
CITY LIC. NO. STATE LIC. NO.

DESCRIPTION OF WORK

USE OF EXISTING BLDG.
WORK TO BE PERFORMED: "Dee Davis Escrow" newface
SIZE SQ. FT.: 16" x 12' NO. OF STORIES NO. OF FAMILIES

( ) NEW ( ) ADD (X) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE X [redacted] R L Stolo

PLAN CHECKED BY: APPROVED: MAC
PLAN CHECK REC NO. VALUATION FEE $
BLDG PERM REC NO. 5732 $ FEE $ 20.00

RECEIVED BY: MAC DATE RECEIVED: 12-11-79 NO: 13701
A P NO DATE ISSUED: 12-11-79
BUILDING ADDRESS
TRACT LOT BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER
USE VALUE $
USE ZONE ZONING CONDITIONS
STREET IMPROVEMENTS
APPROVED GROUP TYPE CONST FIRE ZONE

INSPECTION RECORD

112 8627 - B 002000

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine Blvd
OWNER: A.C. Nielsen
MAILING ADDRESS: 17802 Irvine Blvd
CITY: Tustin TEL. NO.:
ARCHITECT OR ENGINEER: TEL. NO.:
ADDRESS:
CONTRACTOR: New Homes Group TEL. NO. 730 6620
ADDRESS: 17802 CITY: Tustin
CITY LIC. NO.: STATE LIC. NO.:

DESCRIPTION OF WORK

USE OF EXISTING BLDG.:
WORK TO BE PERFORMED: "New Homes Group" replaced face
SIZE SQ. FT.: 1'6" x 12' NO. OF STORIES: NO. OF FAMILIES:

( ) NEW ( ) ADD (X) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE X R J Statte

PLAN CHECKED BY: APPROVED: MAC

PLAN CHECK REC'D NO	VALUATION	FEE $
BLDG. PERMIT NO. 3731	$	20.00

RECEIVED BY	DATE RECEIVED	NO
MAC	12-11-79	13702

A.P. NO: DATE ISSUED: 12-11-79

BUILDING ADDRESS:
TRACT: LOT: BLOCK:

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER:
USE: VALUE $
USE ZONE: ZONING CONDITIONS:
STREET IMPROVEMENTS:
APPROVED GROUP: TYPE CONST: FIRE ZONE:

INSPECTION RECORD

:11 8626 - B 0.020.00

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

Due 4/5/77 1977

BUILDING ADDRESS: 17[illegible] IRVINE BLVD, TUSTIN
OWNER: RICHMOOR SQUARE WEST
MAILING ADDRESS: 1741 IRVINE BLVD, TUSTIN
PHONE NO: 544-4000
CONTRACTOR: JACKS ELECTRIC
ARCHITECT OR ENGINEER: [illegible]
ADDRESS: [illegible]
PHONE NO: [illegible]
CITY LIC NO: [illegible]
STATE LIC NO: 125177

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all city ordinances and state laws regulating building construction and I shall not employ any person in violation of the workmen's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

X Carl J Greenwood
SIGNATURE OF PERMITTEE

DESCRIPTION OF WORK		FEES
RESIDENTIAL: NO. OF DWELLING UNITS		
NON-RESIDENTIAL: NO. OF BLDGS.		
NO. OF STORIES		
NO. OF APARTMENTS		
RECEPTACLES	TOTAL OUTLETS 2	5 C
LIGHTING FIXTURES	2	
LIGHTING FIXTURES	TOTAL FIXTURES	
MOTORS & MISC.	H.P.	

Double Fee

SIGNS	NO. TRANS.	
	NO. LAMPS	
TEMP. POWER	☐ POLE ☐ UNDGD.	
SERVICE	0-200A	
	201-400A	
☐ NEW	401-600A	
☐ CHANGE	OVER 600A	
PERMIT ISSUING FEE		
BLDG. PER. REC. NO. 21070	TOTAL FEES	

INSPECTION RECORD

APPROVALS	DATE	INIT.
UNDERGROUND		
CONDUIT		
WIRING		
POWER		
FIXTURES		
FINAL	4/5	Due
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O CASH 26070

WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT.

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

ISSUED BY: Glen | DATE ISSUED: 4/5/78 | NO. 10977

BUILDING ADDRESS: 17802 IRVINE BLVD. TUSTIN
OWNER: BROADMOOR SQUARE WEST
MAILING ADDRESS: 17842 IRVINE BLVD. TUSTIN
CITY: TUSTIN TEL. NO. 544-4000
CONTRACTOR: JACK'S ELECTRIC TEL. NO. 968-2592
ADDRESS: HUNTINGTON BEACH (SAME AS ABOVE)
CITY LIC. NO. STATE LIC. NO. 125997

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction and I shall not employ any person in violation of the workman's compensation laws of the State of California.

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X Carl J Greenwood
SIGNATURE OF PERMITTEE

INSPECTION RECORD

APPROVALS	DATE	INSP.
UNDERGROUND		
CONDUIT		
WIRING		
POWER		
FIXTURES		
FINAL	4/5	Glen
UTILITY NOTIFIED		

PERMIT VALIDATION CK. M.O. CASH

WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT. 26070

DESCRIPTION OF WORK

DESCRIPTION OF WORK		FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET			
TOTAL OUTLETS			50
RECEPTACLE	2		
LIGHT			
SWITCH	2		
LIGHTING FIXTURES — TOTAL FIXTURES			
MOTORS & MISC. — H.P.			
AR 5R 3287		B 10050	
SIGNS — NO. TRANS.			
SIGNS — NO. LAMPS			
TEMP. POWER ☒ POLE ☒ UNDGD.			
SERVICE 0-200A			
SERVICE 201-400A			
☐ NEW 401-600A			
☒ CHANGE OVER 600A			
PERMIT ISSUING FEE		10	—
BLDG. PER REG. NO. 21000 — TOTAL FEE $		10	50

Double Fee

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17842 IRVINE BLVD., TUSTIN
OWNER: BROADMOOR SQUARE WEST
MAILING ADDRESS: (SAME AS ABOVE) 17842
CITY: IRVINE BLVD. TEL. NO.
ARCHITECT OR ENGINEER: — TEL. NO.
ADDRESS: —
CONTRACTOR: TEL. NO.
ADDRESS: CITY:
CITY LIC. NO.: STATE LIC. NO.:

DESCRIPTION OF WORK

USE OF EXISTING BLDG.: OFFICE SPACE
WORK TO BE PERFORMED: SEE DRAWING – REMODELING.

SIZE SQ. FT.: 3630 NO. OF STORIES: NO. OF FAMILIES:

( ) NEW ( ) ADD (X) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE: X Arlo Greenwood

PLAN CHECKED BY	APPROVED	
PLAN CHECK REC NO	VALUATION	P.C. FEE $
BLDG. PER REC # 26721	$	FEE $

RECEIVED BY	DATE RECEIVED	NO. 11566
A.P. NO.		DATE ISSUED 5-25-71

BUILDING ADDRESS:
TRACT: LOT: BLOCK:

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER:
USE: VALUE $
USE ZONE: ZONING CONDITIONS:
STREET IMPROVEMENTS:
APPROVED
GROUP: TYPE CONST.: FIRE ZONE:

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL		

DRAFT

BROADMOOR SQUARE WEST

SUITE 107

563 SQ. FT.

STORZ INSTRUMENT COMPANY

— LESSOR TO INSTALL NEW BLDG. STANDARD SHAG CARPETING + CLEAN DRAPES + INSTALL PANELLING ON N. WALL OF GEN. OFFICE AREA + INSTALL COUNTERTOP IN STORAGE AREA + PAINT THROUGHOUT (N) COLORS AS SELECTED BY LESSEE.

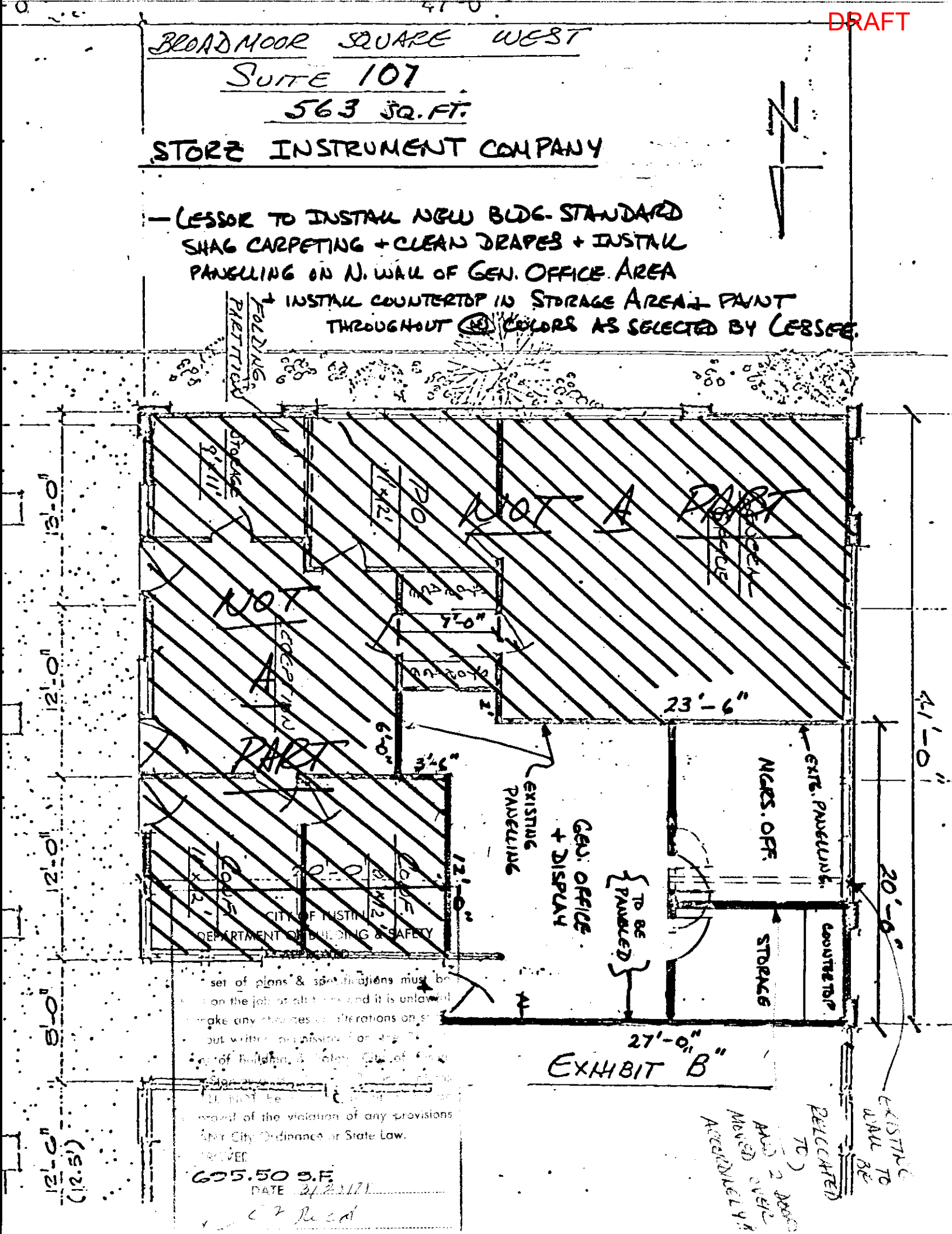

EXHIBIT "B"

CITY OF TUSTIN
DEPARTMENT OF BUILDING & SAFETY
APPROVED

set of plans & specifications must be on the job at all times and it is unlawful to make any changes or alterations on same, but written permission for any ... of building, ... Code of ... Ordinances ... shall not be ... result of the violation of any provisions ... City Ordinance or State Law.

APPROVED

605.50 S.F.

DATE 3-23-77

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY		ISSUED BY	DATE ISSUED	NO. 7495
BUILDING ADDRESS 17802 IRVINE BLVD				
OWNER BRADMOOR SOCAL				
MAILING ADDRESS				
CITY	TEL. NO.			
CONTRACTOR	TEL. NO. 968-2592			
ADDRESS 523 W 16TH CITY Newport Beach				
CITY LIC. NO.	STATE LIC. NO. 125797			

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X [signature] SIGNATURE OF PERMITTEE

INSPECTION RECORD		
APPROVALS	DATE	INSP.
UNDERGROUND		
CONDUIT		
WIRING		
POWER		
FIXTURES		
FINAL		
UTILITY NOTIFIED	4/15	

DESCRIPTION OF WORK			FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET			
RECEPTACLE 16 / LIGHT 19 / SWITCH 4	TOTAL OUTLETS 32		6 44
LIGHTING FIXTURES	TOTAL FIXTURES 12		3 00
MOTORS & MISC.	H.P.		
FEB 72 6925 - B			00 13.44
Suite 240			
1-A-C UNIT			2 00
SIGNS	NO. TRANS.		
	NO. LAMPS		
TEMP. POWER	☐ POLE ☐ UNDGD.		
SERVICE	0-200A		
	201-400A		
☐ NEW	401-600A		
☐ CHANGE	OVER 600A		
PERMIT ISSUING FEE			
BLDG. PER REC. NO. 72	TOTAL FEE $		18 04

PERMIT VALIDATION CK. M.O. CASH

WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT.

'AI ''G, VENTILATING AND RE' 'C ' TION

APPLICATION FOR PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

2871

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS: Suite #122 18702 Irvine Blvd.,

OWNER: Broadmoor East

MAILING ADDRESS: 18702 Irvine Blvd.

CITY: Tustin TEL. NO.:

ARCHITECTOR ENGINEER: TEL. NO.:

ADDRESS:

CONTRACTOR: Southland Htg. & A/C TEL. NO. 714 827-0813

ADDRESS: 2800 Temple Ave. CITY: Long Beach

CITY LIC. NO.: 6885 STATE LIC. NO.: 114040

DESCRIPTION OF WORK

USE OF EXISTING BLDG.:

WORK TO BE PERFORMED: Air conditioning

SIZE SQ. FT.: NO. OF STORIES: NO. OF FAMILIES:

( ) NEW (X) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE X Rob Stinson

PLAN CHECKED BY: APPROVED:

PLAN CHECK REC. NO.: VALUATION $: PC FEE $:

PERMIT REC. # 30018 FEE $ 8.00

DATE RECEIVED: DATE ISSUED: NO. 3831

Fuel: Oil ☐ Nat. Gas ☐ LPG. ☐

PERMIT FEES

No.	Type of Equipment	Fee
1	Air Cond. Units–H.P. Ea. 2HP	$ 5.00
	Refrigeration Units–H.P. Ea.	
	Boilers–H.P. Ea.	
	Gas Fired A.C. Units–Tonnage Ea.	
	Forced Air Systems–B.T.U.	
	Gravity Systems–B.T.U.	
	Floor Furnaces–B.T.U.	
	Wall Heaters–B.T.U.	
	Unit Heaters–B.T.U.	
	Evaporative Coolers	
	Appliance Vent or Type "A" Chimney	
	Ventilation Fan	
	Range Hood	
	Air Handling Unit– C.F.M.	
	Incinerator	
	PERMIT	$ 3.00
	TOTAL FEE	$ 8.00

APPROVAL	DATE	INSPECTOR
	MAY 15 22 3045	- B 0.008.00
FINAL	8/30/13	RW

APPLICATION FOR ELECTRICAL PERMIT

PLEASE FILL IN SHADED AREAS
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY

BUILDING ADDRESS: 17802 IRVINE BLVD
OWNER: BROADMOOR Suite 202
MAILING ADDRESS:
CITY: TEL. NO.:
CONTRACTOR: LEOPER TEL. NO.:
ADDRESS: 823 W 16 ST CITY: NEWPORT BEACH
CITY LIC. NO.: 6749 STATE LIC. NO.:

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

X Jack E. Leoper
SIGNATURE OF PERMITTEE

INSPECTION RECORD

APPROVALS	DATE	INSP.
UNDERGROUND		
CONDUIT		
WIRING		
POWER		
FIXTURES		
FINAL	5/20/82	FR
UTILITY NOTIFIED		

ISSUED BY: | DATE ISSUED: | NO. 6814

DESCRIPTION OF WORK

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
RECEPTACLE 3 13 (3) / LIGHT / SWITCH 5	TOTAL OUTLETS	5 75
LIGHTING FIXTURES 13	TOTAL FIXTURES 13	3 25
MOTORS & MISC. /	HP 1 1/2	2 00
SIGNS	NO. TRANS.	
	NO. LAMPS	
TEMP. POWER ☐ POLE ☐ UNDGD.		
SERVICE 0-200A		
201-400A		
☐ NEW 401-600A		
☐ CHANGE OVER 600A		
PERMIT ISSUING FEE		1 00
BLDG. PER REC. NO.	TOTAL FEE $	12 00

PERMIT VALIDATION (CK. MO. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT.

JU282 3462 • B 0013.00

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

APPLICANT FILL IN THIS SHADED AREA ONLY – FILL IN COMPLETELY	ISSUED BY	DATE ISSUED	NO.
	CC	4-11-23	6518

BUILDING ADDRESS: 17802 IRVINE BLVD
OWNER: Broadmoor
MAILING ADDRESS: Same
CITY: TUSTIN TEL. NO.
CONTRACTOR: Cooper TEL. NO. 7685792
ADDRESS: 523 W 16th St CITY: Newport Beach
CITY LIC. NO. STATE LIC. NO.

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

X Jack C. Cooper
SIGNATURE OF PERMITTEE

INSPECTION RECORD

APPROVALS	DATE	INSP.
UNDERGROUND		
CONDUIT		
WIRING		
POWER		
FIXTURES		
FINAL	OK	
UTILITY NOTIFIED		

DESCRIPTION OF WORK		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
RECEPTACLE 4 / LIGHT 5 / SWITCH	TOTAL OUTLETS 16	4 00
LIGHTING FIXTURES	TOTAL FIXTURES 3	3 00
MOTORS & MISC.	H.P.	
1 AC UNIT		2 00
SIGNS	NO. TRANS.	
	NO. LAMPS	
TEMP. POWER ☐ POLE ☐ UNDGD.		
SERVICE	0-200A	
	201-400A	
☐ NEW	401-600A	
☐ CHANGE	OVER 600A	
PERMIT ISSUING FEE		2 00
BLDG. PER REC. NO. 27732	TOTAL FEE $	10 00

PERMIT VALIDATION CK. M.O. CASH
WHEN PROPERLY VALIDATED (IN THIS SPACE) THIS IS YOUR PERMIT.

APR 19 2747 • B 001000

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE BLVD

TRACT SCIFIC 134 LOT NO.

TOWN OR SCHOOL DIST.

CONTRACTOR Cooper Electric

NEAREST CROSS STREET

ADDRESS 8231 16TH ST

OWNER BYORK ROCK SHOP

CITY NEWPORT BEACH TEL NO.

PROPOSED USE | PRESENT USE

STATE LICENSE NO. 125997 EXPIRATION DATE 1973

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Jack L. Cooper

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF	9	2 25
OUTLETS - NO. OF	23	5 36
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
AC	1	2 00
NUMBER OF SERVICES		
(IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE		2 00
TOTAL FEE		11 61

METERS AND SERVICES	LIGHT	POWER	AC & R/G	VOLT	PHASE

INSPECTION RECORD

MAR 7 1973 • 0.01 1.61

MAR 12 1973 • 0.01 1.61 T

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	OK	RW
UTILITY NOTIFIED		

BLDG. PT. NO. | REC. BY CW

APPROVAL 29683 | DATE 3-7-73 | TOTAL FEE 11 61

BD 6

6358

APPLIC[illegible] FOR BUILDING PERMIT

APPLICANT: [illegible] IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS: 17802 Irvine	
OWNER: Transamerica & the Escrow	
MAILING ADDRESS: 17802 Irvine	
CITY: Tustin	TEL. NO.
ARCHITECT OR ENGINEER	TEL. NO.
ADDRESS	
CONTRACTOR: Rich Sign Co	TEL. NO: 5423316
ADDRESS: 1441 L Gaffey	CITY: San Pedro
CITY LIC. NO.	STATE LIC. NO: 177200 [illegible]
DESCRIPTION OF WORK	
USE OF EXISTING BLDG	
WORK TO BE PERFORMED: 18'x12' wall sign	
Red DRC Blanket approval.	
SIZE SQ. FT.	NO. OF STORIES / NO. OF FAMILIES
(✓) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH	

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE: X [signature]

PLAN CHECKED BY: RW | APPROVED: RW

PLAN CHECK REC NO.	VALUATION	P.C. FEE $
BLDG. PERMIT REC # 27469	$ 900.00	FEE $ 10.00

RECEIVED BY	DATE RECEIVED	NO.
RW	11/27/72	6823

A.P. NO. | DATE ISSUED: 11/27/72

BUILDING ADDRESS: 17802 Irvine

TRACT | LOT | BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
\					

OWNER: Transamerican Escrow

USE: Sign | VALUE $ 900

USE ZONE | ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED: NOV 27 [illegible] 0596 - B 001000

GROUP | TYPE CONST | FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	12/5/72	RW

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN A[illegible] /ITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17502 Prune E	TRACT LOT NO.
TOWN OR SCHOOL DIST.	CONTRACTOR R. L. Sign Co
NEAREST CROSS STREET Prospect	ADDRESS 141 N Cataliza St
OWNER Rainbow Title Assn	CITY Santa Ana TEL. NO. 542332
PROPOSED USE / PRESENT USE	STATE LICENSE NO. 17116 C-10 EXPIRATION DATE
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Jose Cazares

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF		
OUTLETS - NO. OF		
SIGNS & HP GAS TUBE LIGHTING	1 Ea	2.00
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE		2 00
TOTAL FEE		4 00

1 INSPECTION RECORD

NOV27'72 0596 • B 0.004.00

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	12/5/72	RW
UTILITY NOTIFIED		

BLDG. PT. NO. 6823. REC. BY

APPROVAL 27469.

DATE 11/27/72

TOTAL FEE 4 00

BD 6

6178

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS	17802 Irvine Blvd Suite 102
OWNER	Financial House Inc
MAILING ADDRESS	17802 Irvine Blvd
CITY / TEL. NO.	Tustin
ARCHITECT OR ENGINEER / TEL. NO.	
ADDRESS	
CONTRACTOR / TEL. NO.	Rich Sign Co 547-7326
ADDRESS / CITY	1441 N Gaffey St San Pedro
CITY LIC. NO. / STATE LIC. NO.	6387 / 177200-C45

DESCRIPTION OF WORK

USE OF EXISTING BLDG.	Offices
WORK TO BE PERFORMED	1- 18"X 11'6" Wall Sign 1- 18"X 10' " "
SIZE SQ. FT.	17.5 / 15
NO. OF STORIES	
NO. OF FAMILIES	

(✓) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE X Jose Ayala

PLAN CHECKED BY	PW	APPROVED	PW
PLAN CHECK REC NO.	VALUATION	PLAN CHECK FEE $	
BLDG. PERMIT REC. # 27538	$ 300.00	BLDG. PERMIT FEE $ 20.00	

RECEIVED BY	PW	DATE RECEIVED	12/26/72
AP. NO.		NO.	6859
		DATE ISSUED	12/26/72
BUILDING ADDRESS	17802 Irvine Blvd		
TRACT		LOT	BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH

OWNER	Financial House	
USE	2 Signs	VALUE $ 300
USE ZONE	ZONING CONDITIONS	
STREET IMPROVEMENTS		
APPROVED		
GROUP	TYPE CONST.	FIRE ZONE

INSPECTION RECORD

DEC 26 ~~0001~~ B ~~0.02000~~

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	4/3/73	PW

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY

CITY OF TUSTIN

1

BUILDING ADDRESS 17809 Irvine Blvd	TRACT LOT NO.
TOWN OR SCHOOL DIST.	CONTRACTOR Rich Sign Co
NEAREST CROSS STREET Prospect	ADDRESS 1441 N Gaffey St
OWNER	CITY San Pedro TEL. NO. 547-3329
PROPOSED USE / PRESENT USE	STATE LICENSE NO. 177200-C45 EXPIRATION DATE
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Jose Ayala.

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

	FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET	
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET	
COOKING APPLIANCES - NO. OF WATTAGE EACH	
HEATING APPLIANCES - NO. OF WATTAGE EACH	
HOME APPLIANCES - NAME EACH	
FIXTURES - NO. OF	
OUTLETS - NO. OF	
SIGNS & HP GAS TUBE LIGHTING 2 @ $1 Each ea.	2 50
POLES (PERMANENT) (CONSTRUCTION	
TEMPORARY UNDER GROUND)	
GENERATORS - NO. OF KW. EACH	
TRANSFORMERS - NO. OF KW. EACH	
MOTORS - NO. OF LIST UNDER MISCELLANEOUS	
MISCELLANEOUS AND LIST OF MOTORS	
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)	
PERMIT ISSUANCE	2 00
TOTAL FEE	4 50

INSPECTION RECORD

DEC 26 PM 0881 • B 0004.50

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL		
UTILITY NOTIFIED	4/3/73	RW

BLDG. PT. NO.	REC. BY	APPROVAL		DATE	TOTAL FEE
		27538	RW	12/26/72	4 50

BD 6

6228

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS: 17802 IRVINE BLVD.
OWNER: ROYAL GLOBE INSURANCE
MAILING ADDRESS: 17802 IRVINE BLVD.
CITY: TUSTIN TEL NO.
ARCHITECT OR ENGINEER TEL NO.
ADDRESS
CONTRACTOR: RICH SIGN CO TEL (213) 547-3321
ADDRESS: 1441 N. GAFFEY ST. CITY: SAN PEDRO
CITY LIC. NO. 1121 STATE LIC. NO. 172200

DESCRIPTION OF WORK

USE OF EXISTING BLDG.
WORK TO BE PERFORMED: INSTALL S/F PLASTIC WALL SIGN

SIZE SQ. FT. 18 NO. OF STORIES NO. OF FAMILIES

(X) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE

PLAN CHECKED BY APPROVED

PLAN CHECK REC NO. VALUATION P.C. FEE $

BLDG. PER REC # 21798 $ 400 FEE $ 10.00

RECEIVED BY: CW DATE RECEIVED: 11-5-71 NO. 6115

A.P. NO. DATE ISSUED 11-5-71

BUILDING ADDRESS: 17802 Irvine

TRACT LOT BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
V					

OWNER: Royal Globe Ins

USE: Sign VALUE $ 400

USE ZONE ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP TYPE CONST FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	2/1/72	RW

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREAS WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 IRVINE BLVD

TOWN OR SCHOOL DIST.: TUSTIN

NEAREST CROSS STREET:

OWNER: ROYAL GLOBE INSURANCE

PROPOSED USE:

PRESENT USE:

TRACT: LOT NO.:

CONTRACTOR: RICH SIGN CO

ADDRESS: 1441 N. LAFFEY ST

CITY: SAN PEDRO (213) TEL NO. 547-3326

STATE LICENSE NO.: 177200 C-45 EXPIRATION DATE:

DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE:

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF		
OUTLETS - NO. OF		
SIGNS & HP GAS TUBE LIGHTING 1	2	00
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH 1		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1	00
TOTAL FEE	3	00

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	2/1/72	RLW
UTILITY NOTIFIED		

BLDG. PT. NO.:

REC. BY: CW

APPROVAL: 21798

DATE: 11-5-71

TOTAL FEE: 3.00

BD 6

5663

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARF WITHIN HEAVY LINES ONLY. Ex 1 / 1

CITY OF AUSTIN

1

BUILDING ADDRESS Broadmoor 1502 Irving Blvd	TRACT LOT NO.
TOWN OR SCHOOL DIST.	CONTRACTOR Cooper Electric
NEAREST CROSS STREET	ADDRESS 823 w 16th St
OWNER Broadmoore Subdv	CITY New Port Beach TEL. NO.
PROPOSED USE / PRESENT USE	STATE LICENSE NO. TACC997 EXPIRATION DATE 7-73
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Jack T. Cooper

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF 26	5	72
OUTLETS - NO. OF 35	6	86
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
2- A.C.	4	—
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	2	—
TOTAL FEE	18	58

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

DEC 26 PM 0880 - B 0018.58

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	4/16/73	
UTILITY NOTIFIED		

BLDG. PT. NO. 27537 REC. BY

APPROVAL Gus DATE 12-26 TOTAL FEE 1858

BD 6

6227

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 IRVINE BLVD

TOWN OR SCHOOL DIST.:

NEAREST CROSS STREET:

OWNER: BRIAN MOORE SQUARE

PROPOSED USE: | PRESENT USE:

TRACT: Suite L | LOT NO.:

CONTRACTOR: Cooper Electric

ADDRESS: 823 W 16TH ST

CITY: Newport Beach | TEL. NO.: 962-2592

STATE LICENSE NO.: 125997 | EXPIRATION DATE: 1973

DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE: Jack L. Cooper

		FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET			
COOKING APPLIANCES - NO. OF WATTAGE EACH			
HEATING APPLIANCES - NO. OF WATTAGE EACH			
HOME APPLIANCES - NAME EACH			
FIXTURES - NO. OF	11	2	75
OUTLETS - NO. OF	22	14	74
SIGNS & HP GAS TUBE LIGHTING			
POLES (PERMANENT) (CONSTRUCTION			
TEMPORARY UNDER GROUND)			
GENERATORS - NO. OF KW. EACH			
TRANSFORMERS - NO. OF KW. EACH			
MOTORS - NO. OF LIST UNDER MISCELLANEOUS			
MISCELLANEOUS AND LIST OF MOTORS			
2- AC UNITS		4	00
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)			
PERMIT ISSUANCE		2	00
TOTAL FEE		13	49

METERS AND SERVICES	LIGHT	POWER	AC & REF	VOLT	PHASE

INSPECTION RECORD

FEB 8 1974 $ 0013.49

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	4/16/73	
UTILITY NOTIFIED		

BLDG. PT. NO.:

REC. BY: CW

APPROVAL: 2962C

DATE: 2-5-73

TOTAL FEE: 13.49

BD 6

6323

HEATING, VENTILATING AND REFRIGERATION

APPLICATION FOR PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS: 17802 Irvine
OWNER: Richard Smith
MAILING ADDRESS: Same
CITY: TEL. NO. 544-4230
ARCHITECTOR ENGINEER: TEL. NO.
ADDRESS:
CONTRACTOR: Southland Htg TEL. NO.
ADDRESS: 2800 Temple Ave CITY: L. B.
CITY LIC. NO.: STATE LIC. NO.:

DESCRIPTION OF WORK

USE OF EXISTING BLDG.: Office Bldg
WORK TO BE PERFORMED: Tenant Dev
Suite 221

SIZE SQ. FT.: NO. OF STORIES: NO. OF FAMILIES:

◯ NEW ◯ ADD ◯ ALTER ◯ REPAIR ◯ DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE: X Mailed in

PLAN CHECKED BY	APPROVED	
PLAN CHECK REC. NO.	VALUATION	P.C. FEE $
PERMIT REC. # 2706	$	FEE $ 5.00

DATE RECEIVED	DATE ISSUED	NO.
8-3-72	8-3-72	3661

Fuel: Oil ☐ Nat. Gas ☐ LPG. ☐

PERMIT FEES

No.	Type of Equipment	Fee
1	Air Cond. Units–H.P. Ea. 2	$ 5 00
	Refrigeration Units–H.P. Ea.	
	Boilers–H.P. Ea.	
	Gas Fired A.C. Units–Tonnage Ea.	
	Forced Air Systems–B.T.U.	
	Gravity Systems–B.T.U.	
	Floor Furnaces–B.T.U.	
	Wall Heaters–B.T.U.	
	Unit Heaters–B.T.U.	
	Evaporative Coolers	
	Appliance Vent or Type "A" Chimney	
	Ventilation Fan	
	Range Hood	
	Air Handling Unit– C.F.M.	
	Incinerator	
	PERMIT	$ 3 00
	TOTAL FEE	$ 8 00

APPROVAL	DATE	INSPECTOR
FINAL	8/10/72	

DRAFT

ATING, VENTILATING AND REFR'GERATION

APPLICATION FOR PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

DATE RECEIVED	DATE ISSUED	NO.
		3650

BUILDING ADDRESS: 17802 IRVINE BLVD

OWNER: RICHARD B. SMITH

MAILING ADDRESS: SAME

CITY: TUSTIN TEL NO.: 544-4230

ARCHITECTOR ENGINEER: NONE TEL. NO.:

ADDRESS:

CONTRACTOR: SOUTHLAND HT'G & A/C TEL. NO.: 827-0813

ADDRESS: 2800 TEMPLE AVE CITY: LONG BEACH

CITY LIC. NO.: STATE LIC. NO.: 114040

DESCRIPTION OF WORK

USE OF EXISTING BLDG.: OFFICE BLD'G

WORK TO BE PERFORMED: TENANT DEVELOPMENT SUITE # 221

SIZE SQ. FT.: 606 NO. OF STORIES: 2 NO. OF FAMILIES: —

( ) NEW (•) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE: X [signature]

PLAN CHECKED BY	APPROVED

PLAN CHECK REC. NO.	VALUATION	PC FEE $
PERMIT REC. #	$	FEE $

Fuel: Oil ☐ Nat. Gas ☐ LPG. ☐

PERMIT FEES

No.	Type of Equipment	Fee
1	Air Cond. Units–H.P. Ea. 2	$ 5 00
	Refrigeration Units–H.P. Ea.	
	Boilers–H.P. Ea.	
	Gas Fired A.C. Units–Tonnage Ea.	
	Forced Air Systems–B.T.U.	
	Gravity Systems–B.T.U.	
	Floor Furnaces–B.T.U.	
	Wall Heaters–B.T.U.	
	Unit Heaters–B.T.U.	
	Evaporative Coolers	
	Appliance Vent or Type "A" Chimney	
	Ventilation Fan	
	Range Hood	
	Air Handling Unit– C.F.M.	
	Incinerator	

PERMIT	$	3 00
TOTAL FEE	$	8 00

APPROVAL	DATE	INSPECTOR
FINAL		

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS	17802 IRVINE BLVD.
OWNER	BROADMOOR SQUARE WEST
MAILING ADDRESS	(SAME AS ABOVE)
CITY	TUSTIN TEL NO. 544-4000
ARCHITECT OR ENGINEER	MORRIS & LOHRBACH TEL NO.
ADDRESS	IRVINE BLVD, TUSTIN
CONTRACTOR	R.B. SMITH, INC. TEL NO. 544-4230
ADDRESS	17802 IRVINE, TUSTIN CITY
CITY LIC. NO.	STATE LIC. NO.

DESCRIPTION OF WORK

USE OF EXISTING BLDG.	
WORK TO BE PERFORMED	PARTITIONING OF SUITE # 219
SIZE SQ. FT.	NO. OF STORIES
NO. OF FAMILIES	

( ) NEW ( ) ADD (X) ALTER ( ) REPAIR ( ) DEMOLISH

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I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE X Carl J. Greenwood

PLAN CHECKED BY RW APPROVED RW

PLAN CHECK REC. NO. 27087 VALUATION $1000.00

PC FEE $ 5.00

BLDG. PERMIT FEE $ 10.00

RECEIVED BY RW DATE RECEIVED 7/27/72 NO. 6568

A.P. NO. DATE ISSUED 7/27/72.

BUILDING ADDRESS 17802 Irvine

TRACT LOT BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
	✓				

OWNER Broadmoor Sq. West

USE Partitioning VALUE $ 1000

USE ZONE ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP TYPE CONST. FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	8/1/72	
DRY WALL	8/7/72	
LATH		
PLASTER BROWN CT		
FINAL	8/14/72	

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS	17802 Irvine	TRACT	Suite 219 LOT NO.
TOWN OR SCHOOL DIST.		CONTRACTOR	Cooper Electric
NEAREST CROSS STREET		ADDRESS	823 E 16th St
OWNER	Bramalea Secur	CITY	Costa Mesa TEL. NO.
PROPOSED USE / PRESENT USE		STATE LICENSE NO.	125997 EXPIRATION DATE 73
		DATE READY FOR FIRST INSPECTION	

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Jack A. Cooper

	FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET	
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET	
COOKING APPLIANCES - NO. OF WATTAGE EACH	
HEATING APPLIANCES - NO. OF WATTAGE EACH	
HOME APPLIANCES - NAME EACH	
FIXTURES - NO. OF 16	2 50
OUTLETS - NO. OF 19	4 75
SIGNS & HP GAS TUBE LIGHTING	
POLES (PERMANENT) (CONSTRUCTION	
TEMPORARY UNDER GROUND)	
GENERATORS - NO. OF KW. EACH	
TRANSFORMERS - NO. OF KW. EACH	
MOTORS - NO. OF LIST UNDER MISCELLANEOUS	
MISCELLANEOUS AND LIST OF MOTORS	
220 AC	3 25
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)	
PERMIT ISSUANCE	2 00
TOTAL FEE	12 50

METERS AND SERVICES	LIGHT	POWER	AC & REG	VOLT	PHASE

INSPECTION RECORD

FLEX OK EXCEPT A.C. 8/2/72

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	8/4/72	
UTILITY NOTIFIED		

BLDG. PT. NO.	REC. BY CA	APPROVAL 27100	DATE 8-1-72 TOTAL FEE 12.50

BD 6

5972

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS	17802 IRVINE BLVD
OWNER	Broadmoor Square West
MAILING ADDRESS	17802 IRVINE BLVD
CITY	TUSTIN TEL NO. 5444000
ARCHITECT OR ENGINEER	MORRIS + LOHNBACK TEL NO.
ADDRESS	1812 IRVINE
CONTRACTOR	R B Smith, Inc TEL NO. 5444230
ADDRESS	17802 IRVINE BLVD CITY TUSTIN
CITY LIC. NO.	915 STATE LIC. NO. 203625
DESCRIPTION OF WORK	
USE OF EXISTING BLDG	Office Bldg
WORK TO BE PERFORMED	Partition + ceiling Suite K
SIZE SQ. FT.	1847 NO. OF STORIES 1 NO. OF FAMILIES

○ NEW ○ ADD ✓ ALTER ○ REPAIR ○ DEMOLISH

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I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE X John P. Hazeltine

PLAN CHECKED BY	APPROVED
CW	

PLAN CHECK REC NO.	VALUATION	P.C. FEE $
BLDG. PER REC # 1615	$ 5000	FEE $ 27.00

RECEIVED BY	DATE RECEIVED	NO.
CW	8-30-71	6018

A.P. NO.	DATE ISSUED
	8-30-71

BUILDING ADDRESS 17802 IRVINE

TRACT	LOT	BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
	✓				

OWNER Broadmoor

USE VALUE $ 5,000

USE ZONE	ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP	TYPE CONST.	FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	10-6-71	RW

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17502 IRVINE	TRACT LOT NO.
TOWN OR SCHOOL DIST.	CONTRACTOR Looper Electric
NEAREST CROSS STREET	ADDRESS 823. W 16 ST
OWNER BROADMOOR SQUARE	CITY Newport Beach TEL NO 968-2592
PROPOSED USE / PRESENT USE	STATE LICENSE NO. 12599 7 C10 EXPIRATION DATE 1973
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF 34	5	40
OUTLETS - NO. OF 70	9	00
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
2- AC	3	00
1 - Exhaust	1	00
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1	—
TOTAL FEE	19	40

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

Suite 215 & 105 A

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING	3/15/72	
FIXTURES		
POWER		
FINAL		
UTILITY NOTIFIED		

BLDG. PT. NO. 2440E | REC. BY

APPROVAL | DATE 3/16/72 | TOTAL FEE 19.40

BD 6

5787

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS: 17802 IRVINE BLVD.
OWNER: BROADMOOR SQUARE WEST
MAILING ADDRESS: (SAME AS ABOVE)
CITY: TUSTIN TEL NO. 544-4000
ARCHITECT OR ENGINEER: MORRIS & LOHREZACH TEL NO.
ADDRESS: IRVINE BLVD., TUSTIN
CONTRACTOR: R.B. SMITH, INC. TEL NO. 544-1230
ADDRESS: 17802 IRVINE, CITY: TUSTIN
CITY LIC. NO. STATE LIC. NO.

DESCRIPTION OF WORK

USE OF EXISTING BLDG.
WORK TO BE PERFORMED: PARTITIONING OF SUITES 215 & 217A
-556 SQ. FT.

SIZE SQ. FT. NO. OF STORIES NO. OF FAMILIES

( ) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

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SIGNATURE OF PERMITTEE: X Carl J. Greenwood

PLAN CHECKED BY: RW APPROVED: RW

PLAN CHECK REC NO. VALUATION $ 1400 00 PC FEE $

BLDG. PER REC # FEE $ 14 00

RECEIVED BY: RW DATE RECEIVED: 5/8/72 NO. 6401

A.P. NO. DATE ISSUED: 5/8/72

BUILDING ADDRESS: 17802 Irvine

TRACT LOT BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
	✓				

OWNER: Broadmor Sq West
USE: Partitions VALUE $ 1400
USE ZONE ZONING CONDITIONS
STREET IMPROVEMENTS
APPROVED
GROUP TYPE CONST FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	8/8/72	RW

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN **1**

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS	17802 IRVINE BLVD. — SUITES 215 + 105A
OWNER	R.B. SMITH — BROADMOOR SQUARE WEST
MAILING ADDRESS	SAME
CITY	TUSTIN — 92680 TEL NO. 544-4000
ARCHITECT OR ENGINEER	MORRIS + LOHEBACH TEL NO.
ADDRESS	IRVINE BLVD - TUSTIN
CONTRACTOR	R.B. SMITH, INC. TEL NO. 544-4230
ADDRESS	SAME AS BLDG. ADDRESS CITY
CITY LIC. NO.	C519 STATE LIC. NO. 203625
DESCRIPTION OF WORK	
USE OF EXISTING BLDG.	
WORK TO BE PERFORMED	partitions
SIZE SQ. FT.	NO. OF STORIES NO. OF FAMILIES
◯ NEW ◯ ADD ◯ ALTER ◯ REPAIR ◯ DEMOLISH	

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SIGNATURE OF PERMITTEE X Carl J. Greenwood

PLAN CHECKED BY RW APPROVED

PLAN CHECK REC NO.	VALUATION	PC FEE $
BLDG. PER REC # 24396	$ 6000.00	FEE $ 32.00

RECEIVED BY	DATE RECEIVED	NO.
RW	3/7/72	6266

A.P. NO. DATE ISSUED 3-8-72

BUILDING ADDRESS 17802 Irvine

TRACT LOT BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
	✓				

OWNER R. B. Smith

USE Partitions VALUE $ 6000

USE ZONE ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP	TYPE CONST.	FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING	3/15/72	RW
DRY WALL	3/17/72	RW
LATH		
PLASTER BROWN CT.		
FINAL	8/8/72	RW

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS: 17802 Irvine Blvd.

DISTRICT

CROSS STREETS & Prospect

TRACT | LOT NO. | BLDG. USE

OWNER: R. B. Smith, Inc.

CONTRACTOR: Southland Htg.& A/C Inc.

MAIL ADDRESS: 2800 Temple Avenue

CITY: Long Beach 90806 TEL NO. 424-8638

LICENSE NO. 0247 EXPIRATION DATE

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X R B Smith

SIGNATURE OF PERMITTEE

REMARKS

Suite 215

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	8/8/72	

RECEIVED BY: [illegible] DATE

BUILDING PERMIT NUMBER

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD

(CHECK ONE) KIND OF FUEL	NATURAL	L P G	OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
2	A/C UNITS @ 4.00		8.00
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		$10.00

INSPECTION RECORD

RCPT. #	APPROVAL	DATE	TOTAL FEE
24913		4-7-72	10.00

3547

BD 4 6/68 2M

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AT ` WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS 17802 Irvine Blvd

CROSS STREETS & DISTRICT Project

TRACT | LOT NO. | BLDG. USE

OWNER R.B. Smith, Inc

CONTRACTOR Southland H'G & A/C Co.

MAIL ADDRESS 2800 Temple Ave

CITY Long Beach 90806 TEL. NO. 424-8638

LICENSE NO. 0247 EXPIRATION DATE

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X [signature]
SIGNATURE OF PERMITTEE

REMARKS

Suite 105A

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	8/72	

RECEIVED BY: [signature] DATE

BUILDING PERMIT NUMBER

TYPE OF INSTALLATION: NEW | ADDITION | ALTERATION | OLD

KIND OF FUEL (CHECK ONE): NATURAL | L P G | OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
1	A/C UNITS @ 4.00		4.00
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		$6.00

INSPECTION RECORD

RCPT. # 2493 | APPROVAL | DATE 4-7-72 | TOTAL FEE 6.00

3546

BD 4 6/68 2M

DEPT. OF BUILDING and SAFETY
135 W. 3rd
TUSTIN, CAL

FILE COPY

CITY OF TUSTIN 6-27-72

CERTIFICATE OF USE AND OCCUPANCY

WARNING: THIS IS A LEGAL DOCUMENT AND MUST BE GIVEN TO THE LEGAL OWNER OR PURCHASER.

Bldg. Permit No. 6134 Elect. Permit No. Plumb. Permit No.

Use of Building Professional Bldg Group

The building located at 17802 Irvine

Lot Block Tract

(See Reverse Side for Metes and Bounds)

Has been inspected and found to comply with the provisions of all City of Tustin Ordinances applicable thereto.

ISSUED TO:

E. V. BROOK, JR.
Chief Building Inspector

Broadmoor Square West
(Owner of Building)

By

Mail To: Broadmoor Sq. West/R. B. Smith Inc.

17802 Irvine, Tustin

BD #46 2M 12/63

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE

TOWN OR SCHOOL DIST.

NEAREST CROSS STREET

OWNER Broadmoor Square

PROPOSED USE | PRESENT USE

TRACT | LOT NO.

CONTRACTOR Looper Electric

ADDRESS 823 W 16th ST

CITY Newport Beach TEL NO 9862542

STATE LICENSE NO 125997 EXPIRATION DATE 1973

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Jack L. Looper

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF	10	2 00
OUTLETS - NO. OF	14	2 80
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
2-220 AC		2 00
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE		1 00
TOTAL FEE		7 80

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	5/24/72	RW
UTILITY NOTIFIED		

BLDG. PT. NO. | REC. BY RW

APPROVAL 25069 RW DATE 5/9/72 TOTAL 7 80

BD 6

5883

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY. 25 20

CITY OF TUSTIN 1

BUILDING ADDRESS ~~17802~~ 17802 Irvine Blvd. CROSS STREETS &

DISTRICT

TRACT LOT NO. BLDG. USE

OWNER Broadmoor Square East - Phase

CONTRACTOR Southland Htg. & A/C Inc.

MAIL ADDRESS 2800 Temple Avenue

CITY Long Beach TEL. NO. 714 827-0813

LICENSE NO. Renewal EXPIRATION DATE

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X R. E. Stinson

SIGNATURE OF PERMITTEE

REMARKS

TYPE OF INSTALLATION	NEW	AL ON	ALTERATION	OLD
	✓			

(CHECK ONE) KIND OF FUEL	NATURAL	LPG	OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
1	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
1	EVAPORATIVE COOLER	$3.00 EA.	3-
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
~~5~~	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	~~2-~~
1	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	3.00
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
	A/C UNITS		
1	WATER TOWER		3-
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		11-

APPROVALS	DATE	INSPECTOR'S NAME
FINAL		

INSPECTION RECORD

RECEIVED BY: CW DATE

BUILDING PERMIT NUMBER

RCPT. #	APPROVAL	DATE	TOTAL FEE
24903		4-6-72	11.00

3545

BD 4 6/68 2M

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS: 17802 IRVINE BLVD
OWNER: Broadmoor Square West
MAILING ADDRESS: 17802 IRVINE BLVD
CITY: TUSTIN TEL NO: 5444000
ARCHITECT OR ENGINEER: Morris Holwbrook TEL NO: ~~5444~~
ADDRESS: 1812 IRVINE
CONTRACTOR: RB Smith, Inc TEL NO: 5444230
ADDRESS: 17802 IRVINE CITY: TUSTIN
CITY LIC. NO: 915 STATE LIC. NO: 203625

DESCRIPTION OF WORK

USE OF EXISTING BLDG: Office Bldg
WORK TO BE PERFORMED: Partition + Ceiling
Suite D, M, L
622, 715, 1892 - 3229 ft Total

SIZE SQ. FT: 3229 NO. OF STORIES: 1 NO. OF FAMILIES: —

( ) NEW ( ) ADD (✓) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE X John P. Hayden

PLAN CHECKED BY | APPROVED

PLAN CHECK REC NO | VALUATION $ 8,000. | P.C. FEE $

BLDG. PER REC # 2685 | FEE $ 41.00

RECEIVED BY: CW | DATE RECEIVED: 9-20-71 | NO. 6053

A.P. NO. 03-31-14 | DATE ISSUED 9-20-71

BUILDING ADDRESS: 17802 Irvine

TRACT | LOT | BLOCK

NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
		✓			

OWNER: Broadmoor Sq. West
USE: Office Partitions VALUE: $ 8,000
USE ZONE | ZONING CONDITIONS
STREET IMPROVEMENTS
APPROVED
GROUP | TYPE CONST. | FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	11-19-71	RW

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS	17802 IRVINE BLVD
OWNER	BROAD MOOR SQUARE
MAILING ADDRESS	17802 IRVINE
CITY	TUSTIN TEL. NO. 544402
ARCHITECT OR ENGINEER	MORRIS LOHBACH TEL. NO.
ADDRESS	
CONTRACTOR	RB SMITH, INC TEL. NO. 544230
ADDRESS	17802 IRVINE CITY TUSTIN
CITY LIC. NO.	C-51? STATE LIC. NO. 203625
DESCRIPTION OF WORK	
USE OF EXISTING BLDG.	COM
WORK TO BE PERFORMED	PARTITION
SIZE SQ. FT.	397 NO. OF STORIES NO. OF FAMILIES
◯ NEW ◯ ADD ☑ ALTER ◯ REPAIR ◯ DEMOLISH	

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SIGNATURE OF PERMITTEE X RBS Inc John F. Hazeltine

PLAN CHECKED BY	APPROVED
PLAN CHECK REC NO.	VALUATION $ 500.00
BLDG. PER REC # 21801	P.C. FEE $ [illegible] FEE $ 2.50

RECEIVED BY	DATE RECEIVED	NO.
[illegible]	11-8-71	6117

A.P. NO. DATE ISSUED 11-9-71

BUILDING ADDRESS 17802 Irvine

TRACT	LOT	BLOCK

NEW	ADD.	ALTER	REPAIR	MOVING	DEMOLISH
		✓			

OWNER R.B. Smith

USE Partitions VALUE $ 500

USE ZONE ZONING CONDITIONS

STREET IMPROVEMENTS

APPROVED

GROUP	TYPE CONST.	FIRE ZONE

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	1-8-72	RW

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN **1**

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS	17802 IRVINE BLVD
OWNER	BROADMOOR SQUARE WEST
MAILING ADDRESS	17802 IRVINE BLVD
CITY	TUSTIN TEL. NO. 5444600
ARCHITECT OR ENGINEER	MORRIS + LOHRBACH TEL.
ADDRESS	18121 IRVINE
CONTRACTOR	R B Smith TEL. NO. 5444230
ADDRESS	17802 IRVINE CITY TUSTIN
CITY LIC. NO.	915 STATE LIC. NO. 203625

DESCRIPTION OF WORK

USE OF EXISTING BLDG	office Bldg.
WORK TO BE PERFORMED	Partition + ceiling Suite P

SIZE SQ. FT. 983 NO. OF STORIES 1 NO. OF FAMILIES —

○ NEW ○ ADD ✓ ALTER ○ REPAIR ○ DEMOLISH

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I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE X J P Angeletti

PLAN CHECKED BY RW APPROVED

PLAN CHECK REC. NO.	VALUATION	P.C. FEE $ —
BLDG. PER REC. # 21827	$ 2500 00	FEE $ 23 00

RECEIVED BY Cw	DATE RECEIVED 11-17-71	NO. 6130				
A.P. NO.		DATE ISSUED 11-17-71				
BUILDING ADDRESS 17802 Irvine						
TRACT	LOT	BLOCK				
NEW	ADD	ALTER ✓	REPAIR	MOVING	DEMOLISH	
OWNER Broadmoor Sq.						
USE Partitions	VALUE $2.500					
USE ZONE	ZONING CONDITIONS					
STREET IMPROVEMENTS						
APPROVED						
GROUP	TYPE CONST.	FIRE ZONE				

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT		
FINAL	2-1-72	RW

APPLICATION F . BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE

OWNER R.B SMITH CO.

MAILING ADDRESS 17852 IRVINE PHONE 544423C

CITY TUSTIN

ARCHITECT OR ENGINEER MORRIS + LOHRBACH

ADDRESS 18121 IRVINE TUSTIN

CONTRACTOR C.O. DAL CO. STATE LICENSE # B-254[illegible]

ADDRESS 258 PROSPECT

CITY LICENSE # 326

DESCRIPTION OF WORK

NEW ☐ ADD ☐ ALTER ☒ REPAIR ☐ DEMOLISH ☐

SIZE SQ. FT. | NO. OF STORIES | NO. OF FAMILIES

USE OF STRUCTURE OFFICE PARTITIONS

LEGAL DESCRIPTION	LOT	BLOCK	TRACT
(PLEASE ATTACH METES AND BOUNDS)			

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT. I AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE [signature]

ADDRESS

VALUATION $ 2500.00

P.C. FEE $

B.PT. FEE $ 23.00

OCCUPANCY GROUP

TYPE OF CONSTRUCTION

ZONING REGULATIONS

CHECKED BY _____ DATE _____ DATE CLEARED _____

PLOT PLAN FULLY DIMENSIONED? YES _____ NO _____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? _____

MAIN USE _____ ACC. USE _____ ZONE _____ DIST. M. _____

REQUIRED BUILDING SITE FRONTAGE? YES _____ NO _____

BUILDING HEIGHT? STORIES _____ AND FEET _____

REQUIRED LAND AREA? YES _____ NO _____

VARIANCE REQUIRED? _____ APPROVED _____ NO _____

STREET WIDTH _____' CORNER LOT _____ INT. LOT _____

BUILDING SETBACK C/L ST. _____' PROPERTY LINE _____'

SIDE YARD, RIGHT _____' EAVE PROJECTION _____'

SIDE YARD, LEFT _____' EAVE PROJECTION _____'

REAR YARD (TO P/L) _____' WIDTH OF ALLEY _____'

SEPARATION BETWEEN BUILDINGS _____'

CHIMNEY IN REQUIRED SIDE YARD PROJECTS _____'

PORCH IN REQUIRED YARD PROJECTS _____'

STAIRS IN REQUIRED YARD PROJECTS _____'

PARKING AREA REQUIRED _____ CAPACITY, CARS _____

REMARKS

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL	8-8-71	RW

FOR OFFICE USE ONLY

RECEIVED BY | PLAN CHECKED BY

PLAN CHECK RECEIPT NO 21394

BLDG. PERMIT NO

1. ROUTE IMMEDIATELY TO INSPECTOR
2. OFFICE WORK COPY
3. ASSESSOR
4. OWNER'S COPY OF PERMIT

APPROVED RW DATE 6/24/71 TOTAL FEE 23.00

BD 1

5904

APPLICATION FOR BUILDING PERMIT

APPLICANT PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN

1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY	
BUILDING ADDRESS	17802 IRVINE BLVD.
OWNER	HERITAGE ESCROW
MAILING ADDRESS	17802 IRVINE BLD.
CITY / TEL NO.	TUSTIN
ARCHITECT OR ENGINEER / TEL NO.	
ADDRESS	
CONTRACTOR / TEL	RICH SIGN CO (213) 547-3326
ADDRESS / CITY	1441 N. CAFFEY ST, SAN PEDRO
CITY LIC. NO.	1121
STATE LIC. NO.	177200
DESCRIPTION OF WORK	
USE OF EXISTING BLDG	ESCROW BLDG + SIGN
WORK TO BE PERFORMED	INSTALL S/F WALL SIGN 18"x12' INTERIOR ILLUM PER DP-70-73
SIZE SQ. FT.	18
NO. OF STORIES	
NO. OF FAMILIES	
(X) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH	

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9

SIGNATURE OF PERMITTEE

PLAN CHECKED BY	APPROVED		
PLAN CHECK REC NO	VALUATION	P.C. FEE $	
BLDG. PERMIT # 21890	$ 400	FEE $	10.00

RECEIVED BY	DATE RECEIVED	NO.	
CW	12-17-71		6184
A.P. NO.		DATE ISSUED	12-17-71
BUILDING ADDRESS	17802 Irvine		
TRACT	LOT	BLOCK	
NEW	ADD	ALTER	REPAIR / MOVING / DEMOLISH
X	~~X~~	~~X~~	
OWNER	Heritage House		
USE	Sign	VALUE $	400
USE ZONE	ZONING CONDITIONS		
STREET IMPROVEMENTS			
APPROVED			
GROUP	TYPE CONST.	FIRE ZONE	

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL	1-12-72	RW

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 IRVINE BLVD

OWNER: Broadmoor Square West

MAILING ADDRESS: 17802 IRVINE BLVD PHONE

CITY: TUSTIN

ARCHITECT OR ENGINEER: MORRIS + LOHRBACH

ADDRESS: 1812 IRVINE TUSTIN

CONTRACTOR: R.B. Smith, Inc STATE LICENSE # 20365

ADDRESS: 17852 Irvine Blvd

CITY LICENSE #: 915

DESCRIPTION OF WORK

NEW ☐ ADD ☐ ALTER ☑ REPAIR ☐ DEMOLISH ☐

SIZE SQ. FT.: 3912 NO. OF STORIES: × NO. OF FAMILIES:

USE OF STRUCTURE: Partition + Ceiling

Suite 'E' (R.B. Smith Inc)

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE: John P. Hazeltine

ADDRESS: 17852 Irvine Blvd Tustin

VALUATION $: 7500.00

P.C. FEE $:

B.P.T. FEE $: 38.00

OCCUPANCY GROUP:

TYPE OF CONSTRUCTION:

ZONING REGULATIONS

CHECKED BY _____ DATE _____ DATE CLEARED _____

PLOT PLAN FULLY DIMENSIONED? YES _____ NO _____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? _____

MAIN USE _____ ACC. USE _____ ZONE _____ DIST. M. _____

REQUIRED BUILDING SITE FRONTAGE? YES _____ NO _____

BUILDING HEIGHT? STORIES _____ AND FEET _____

REQUIRED LAND AREA? YES _____ NO _____

VARIANCE REQUIRED? _____ APPROVED _____ NO _____

STREET WIDTH _____' CORNER LOT _____ INT. LOT _____

BUILDING SETBACK C/L ST _____' PROPERTY LINE _____'

SIDE YARD, RIGHT _____' EAVE PROJECTION _____'

SIDE YARD, LEFT _____' EAVE PROJECTION _____'

REAR YARD (TO P/L) _____' WIDTH OF ALLEY _____'

SEPARATION BETWEEN BUILDINGS _____'

CHIMNEY IN REQUIRED SIDE YARD PROJECTS _____'

PORCH IN REQUIRED YARD PROJECTS _____'

STAIRS IN REQUIRED YARD PROJECTS _____'

PARKING AREA REQUIRED _____ CAPACITY, CARS _____

REMARKS:

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS.		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL	8-3-71	RW

FOR OFFICE USE ONLY

RECEIVED BY: _____ PLAN CHECKED BY: _____

PLAN CHECK RECEIPT NO: _____

1. ROUTE IMMEDIATELY TO INSPECTOR 2. OFFICE WORK COPY 3 ASSESSOR 4. OWNER'S COPY OF PERMIT

BLDG. PER REC. # 21359

APPROVED: RW DATE: 6/15/71

TOTAL FEE: 38.00

BD 1

5886

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE BLVD

OWNER Broadmoor Specialty West

MAILING ADDRESS 17802 IRVINE BLVD PHONE 544-4006

CITY TUSTIN

ARCHITECT OR ENGINEER MORRIS + LOHKBACK AIA

ADDRESS TUSTIN (1812 IRVINE)

CONTRACTOR R B Smith, Inc STATE LICENSE # 203625

ADDRESS 17802 IRVINE BLVD

CITY LICENSE # 915

DESCRIPTION OF WORK

NEW ☐ ADD ☐ ALTER ☑ REPAIR ☐ DEMOLISH ☐

SIZE SQ. FT Appx 1330 NO. OF STORIES X NO. OF FAMILIES

USE OF STRUCTURE Partition + ceiling Suites "H" AND "J"

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE John P. Hazeltine

ADDRESS 17802 IRVINE BLVD, TUSTIN

VALUATION $ 2500.00

P.C. FEE $ —

B.P.T. FEE $ 23.00

OCCUPANCY GROUP

TYPE OF CONSTRUCTION

ZONING REGULATIONS

CHECKED BY _____ DATE _____ DATE CLEARED _____

PLOT PLAN FULLY DIMENSIONED? YES _____ NO _____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? _____

MAIN USE _____ ACC. USE _____ ZONE _____ DIST. M. _____

REQUIRED BUILDING SITE FRONTAGE? YES _____ NO _____

BUILDING HEIGHT? STORIES _____ AND FEET _____

REQUIRED LAND AREA? YES _____ NO _____

VARIANCE REQUIRED? _____ APPROVED _____ NO _____

STREET WIDTH _____ ' CORNER LOT _____ INT. LOT _____

BUILDING SETBACK C/L ST. _____ ' PROPERTY LINE _____ '

SIDE YARD, RIGHT _____ ' EAVE PROJECTION _____ '

SIDE YARD, LEFT _____ ' EAVE PROJECTION _____ '

REAR YARD (TO P/L) _____ ' WIDTH OF ALLEY _____ '

SEPARATION BETWEEN BUILDINGS _____ '

CHIMNEY IN REQUIRED SIDE YARD PROJECTS _____ '

PORCH IN REQUIRED YARD PROJECTS _____ '

STAIRS IN REQUIRED YARD PROJECTS _____ '

PARKING AREA REQUIRED _____ CAPACITY, CARS _____

REMARKS:

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING 'J'	9/14/71	[illegible]
FRAMING	J 9/17/71	RW
~~LATH OR~~ DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL	10-3 71	RW

FOR OFFICE USE ONLY

RECEIVED BY

PLAN CHECKED BY

PLAN CHECK RECEIPT NO

1. ROUTE IMMEDIATELY TO INSPECTOR
2. OFFICE WORK COPY
3. ASSESSOR
4. OWNER'S COPY OF PERMIT

BLDG. PER REC. # 21560

APPROVED RW

DATE 8/12/71

TOTAL FEE 23.00

BD 1

5998

APPLICATION FOR PLUMBING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN **1**

BUILDING ADDRESS: 17802 Irvine
TOWN OR AREA: Tustin
NEAREST CROSS STREET:

OWNER: Broadmoor Homes, Inc., Mr. Biddle
PROPOSED USE: PRESENT USE:

TRACT: LOT NO.:
CONTRACTOR: Layton Soft Water, Inc.,
ADDRESS: 502 S. Lyon Street
CITY: Santa Ana TEL. NO.: 547-6175
STATE LICENSE NUMBER: 209983 EXPIRATION DATE: 41-72
DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING PLUMBING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND PRESENT HEREWITH MY STATE LICENSE REGISTRATION CARD AS PROOF THEREOF OR I AM THE OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN. Margee Layton

X Layton Soft Water, Inc.,
SIGNATURE OF PERMITTEE

PERMIT FEES

NO.	TYPE OF FIXTURE OR ITEM	FEE
	WATER CLOSET (TOILET)	$
	BATH TUB	
	SHOWER STALL	
	LAVATORY (WASH BASIN)	
	KITCHEN SINK — GARBAGE DISPOSAL	
	LAUNDRY TRAY OR AUTO. WASH. MACH	
	DISHWASHER	
	SERVICE SINK	
	FLOOR SINK	
	FLOOR DRAIN	
	DRINKING FOUNTAIN	
	URINAL	
	SAND TRAPS	
	SWIMMING POOL FILTER	
	WATER HEATER	
1	WATER SOFTENERS	1.50
	LAWN SPRINKLERS RES. ☐ COMM. ☐	
	TRAILER HOOK-UPS	
	GAS SYSTEM NO. OF OUTLETS LPG ☐ NAT. ☐	
	AUTO. FIRE SPR. SYSTEM-VALUATION	
	HOUSE SEWER (VALUATION)	
	SEPTIC TANK	
	SEEPAGE PIT(S)	
	LEACHING FIELD	
	PERMIT ISSUANCE	2.00

BUILDING PERMIT NO.: TOTAL FEE $ 3.50

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR'S SIGNATURE
GROUND WORK - SOIL ONLY		
GROUND WORK WITH WATER PIPE ☐ GAS PIPE ☐		
ROUGH PLUMBING		
GAS PIPING TO		
WATER HEATER		
SEPTIC TANK		
SEEPAGE PIT		
SEWER		
GAS TEST		
SPRINKLER SYSTEM		
FINAL	2/7/72	
UTILITY CO. NOTIFIED		

REC'D BY: CW
OWNER PLAN CHECKED BY:

APPROVAL: 2313
DATE: 2-2-72
TOTAL FEE: 3.50

10031

BD 5

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN A WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS: 17802 Irvine Blvd.

CROSS STREETS & DISTRICT: Prospect

TRACT | LOT NO. | BLDG. USE

OWNER: R. B. Smith, Inc.

CONTRACTOR: Southland Htg. & A/C., Inc.

MAIL ADDRESS: 2800 Temple Avenue

CITY: Long Beach 90806 TEL. NO. 424-8638

LICENSE NO. 0247 EXPIRATION DATE 1/1/72

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X R. B. Smith

SIGNATURE OF PERMITTEE

REMARKS

Suite K

APPROVALS	DATE	INSPECTOR'S NAME
Rgh	9/27/71	RW
FINAL	10/4/71	RW

RECEIVED BY: DATE

BUILDING PERMIT NUMBER

RCPT. # 21701 | APPROVAL RW | DATE 9/27/71 | TOTAL FEE 10 00

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD

(CHECK ONE) KIND OF FUEL	NATURAL	L P G	OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
2	A/C UNITS @ 4.00	8	00
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE	10	00

INSPECTION RECORD

3290

BD 4 6/68 2M

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 Irvine Blvd.

TOWN OR SCHOOL DIST.: Tustin

NEAREST CROSS STREET:

OWNER: Meritage Escrow

PROPOSED USE: Sales

PRESENT USE:

TRACT: LOT NO.:

CONTRACTOR: Rich Sign Co.

ADDRESS: 1441 N. Jaffray St

CITY: Sa Pedro TEL NO.:

STATE LICENSE NO.: 172202 EXPIRATION DATE:

DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE:

	FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET	
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET	
COOKING APPLIANCES - NO. OF WATTAGE EACH	
HEATING APPLIANCES - NO. OF WATTAGE EACH	
HOME APPLIANCES - NAME EACH	
FIXTURES - NO. OF	
OUTLETS - NO. OF	
SIGNS & HP GAS TUBE LIGHTING 1	2.00
POLES (PERMANENT) (CONSTRUCTION	
TEMPORARY UNDER GROUND)	
GENERATORS - NO. OF KW. EACH	
TRANSFORMERS - NO. OF KW. EACH	
MOTORS - NO. OF LIST UNDER MISCELLANEOUS	
MISCELLANEOUS AND LIST OF MOTORS	
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)	
PERMIT ISSUANCE	1.00
TOTAL FEE	3.00

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	1/3/72	
UTILITY NOTIFIED		

BLDG. PT. NO.:

REC. BY: CW

APPROVAL: 21890

DATE: 12-17-71

TOTAL FEE: 3.00

BD 6

5695

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 13502 Irvine

TOWN OR SCHOOL DIST.

NEAREST CROSS STREET

OWNER Broad Mire Sales

PROPOSED USE

PRESENT USE

TRACT LOT NO

CONTRACTOR Cooper Electric

ADDRESS 823 N. Main

CITY Newport Beach TEL NO 642-7553

STATE LICENSE NO. 125777 EXPIRATION DATE 1973

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF	10	2 00
OUTLETS - NO. OF	14	2 80
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
AC	2 —	
NUMBER OF SERVICES		
(IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1 —	
TOTAL FEE	7 80	

METERS, AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

UNIT D

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING	12/15/71	Gus
FIXTURES		
POWER		
FINAL	1/3/72	Gus
UTILITY NOTIFIED		

~~BLDG PT.~~ NO. 21881

REC. BY

APPROVAL Gus

DATE 12/13/71

TOTAL FEE 7.80

BD 6

5692

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS: 17802 IRVINE BLVD
CROSS STREETS & DISTRICT: Redhill
TRACT: LOT NO.: BLDG. USE:
OWNER: R.B. SMITH INC
CONTRACTOR: SOUTHLAND HTG & A/C CO
MAIL ADDRESS: 2800 TEMPLE AVE
CITY: LONG BEACH TEL. NO.: 424-6638
LICENSE NO.: 0247 EXPIRATION DATE: 1/1/72
DATE READY FOR FIRST INSPECTION: 7/15/71

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X _____
SIGNATURE OF PERMITTEE

REMARKS

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	11/8/71	

RECEIVED BY: DATE

BUILDING PERMIT NUMBER

TYPE OF INSTALLATION: NEW ☑ ADDITION ☐ ALTERATION ☐ OLD ☐
(CHECK ONE) KIND OF FUEL: NATURAL ☑ L.P.G. ☐ OIL ☐

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
11	CONDITIONED AIR REGISTERS	.30 EA.	~~3.30~~
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
4	A/C UNITS 2 TON 4 EA		16.00
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		~~$15.30~~ 18.00

INSPECTION RECORD

THIS IS TRACT DEVELOPMENT
SUITE A & D

RCPT. # 21477 | APPROVAL | DATE 7-19-71 | TOTAL FEE 18.00

3759

BD 4 6/68 2M

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS	17802 IRVINE BLVD	TRACT	LOT NO. SUITE L-4-D
TOWN OR SCHOOL DIST.		CONTRACTOR	Royal Elec
NEAREST CROSS STREET	PROSPECT	ADDRESS	823 E 16 Santa A
OWNER	R.B SMITH	CITY	Newport Bch
PROPOSED USE	PRESENT USE	TEL. NO.	
		STATE LICENSE NO.	EXPIRATION DATE
		DATE READY FOR FIRST INSPECTION	

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF 51	7	10
OUTLETS - NO. OF 27	4	70
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
3 Ac unit	6	00
NUMBER OF SERVICES		
(IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1	00
TOTAL FEE	18	80

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	11-8-71	
UTILITY NOTIFIED		

BLDG. PT. NO.

REC. BY CW

APPROVAL 21743

DATE 10-8-71

TOTAL FEE 18.80

BD 6

5631

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS	17862 IRVINE	TRACT	Smith LOT NO. 11 P 9
TOWN OR SCHOOL DIST.		CONTRACTOR	Cooper Elec
NEAREST CROSS STREET		ADDRESS	5623 W. 16th ST.
OWNER		CITY	Huntington Beach TEL. NO. 842-7053
PROPOSED USE / PRESENT USE		STATE LICENSE NO.	125417 EXPIRATION DATE 7-73
		DATE READY FOR FIRST INSPECTION	

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE C. J. Kuhn

		FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET			
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET			
COOKING APPLIANCES - NO. OF WATTAGE EACH			
HEATING APPLIANCES - NO. OF WATTAGE EACH			
HOME APPLIANCES - NAME EACH			
FIXTURES - NO. OF	32	5	20
OUTLETS - NO. OF	27	4	70
SIGNS & HP GAS TUBE LIGHTING			
POLES (PERMANENT) (CONSTRUCTION			
TEMPORARY UNDER GROUND)			
GENERATORS - NO. OF KW. EACH			
TRANSFORMERS - NO. OF KW. EACH			
MOTORS - NO. OF LIST UNDER MISCELLANEOUS			
MISCELLANEOUS AND LIST OF MOTORS			
3 Air Cond		6	00
1 Zonex		2	00
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)			
PERMIT ISSUANCE		1	00
TOTAL FEE		18	90

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	7/16/71	
UTILITY NOTIFIED		

BLDG. PT. NO. | REC. BY CW

APPROVAL 21834 | DATE 11-19-71 | TOTAL FEE 18.90

BD 6

5675

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS	17802 Irvine	TRACT	LOT NO.
TOWN OR SCHOOL DIST.		CONTRACTOR	Cooper-Electric
NEAREST CROSS STREET		ADDRESS	523 S. Cedros
OWNER	Broadmore	CITY	Newport Beach TEL NO. 642-7053
PROPOSED USE / PRESENT USE		STATE LICENSE NO.	125997 EXPIRATION DATE
		DATE READY FOR FIRST INSPECTION	

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF	79	9 90
OUTLETS - NO. OF	50	7 00
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
AC-package unit 6		12 00
1-Zero X plug		1 00
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE		1 00
TOTAL FEE		30 90

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	8/3/71	(DH)
UTILITY NOTIFIED		

BLDG. PT. NO. | REC. BY CW

APPROVAL 21363 | DATE 6-15-71 | TOTAL FEE 30.90

BD 6

5487

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS 17802 IRVINE BLVD

CROSS STREETS & Prospect

DISTRICT

TRACT LOT NO. BLDG. USE

OWNER R B SMITH, INC.

CONTRACTOR SOUTHLAND HTG & A/C CO.

MAIL ADDRESS 2800 TEMPLE AVE

CITY LONG BEACH TEL. NO. 424-5438

LICENSE NO. 0247 EXPIRATION DATE 1/1/72

DATE READY FOR FIRST INSPECTION 7/15/71

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X [signature]

SIGNATURE OF PERMITTEE

REMARKS

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD
	✓			

(CHECK ONE)	NATURAL	LPG	OIL
KIND OF FUEL	X		

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
~~25~~	CONDITIONED AIR REGISTERS	.30 EA.	~~7.50~~
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
5	A/C UNITS @ 4.00		~~20.00~~
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		~~18.50~~ 22.00

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	11/9/71	

INSPECTION RECORD

THIS IS TRACT DEVELOPMENT

SUITE E

RECEIVED BY: CW DATE

BUILDING PERMIT NUMBER

RCPT. #	APPROVAL	DATE	TOTAL FEE
21477		7-19-71	22.00

3286

BD 4 6/68 2M

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 1782 Tustin

TOWN OR SCHOOL DIST.

NEAREST CROSS STREET

OWNER Thompson

PROPOSED USE

PRESENT USE

TRACT LOT NO.

CONTRACTOR Cooper Electric

ADDRESS 823 S. Main St

CITY Tustin TEL NO. 642-7053

STATE LICENSE NO. 125947 EXPIRATION DATE

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF 105	13	50
OUTLETS - NO. OF 100	12	00
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
5 AC - Package Units	10	00
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1	00
TOTAL FEE	36	50

METERS AND SERVICES	LIGHT	POWER	AC & REG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING	7/1/71	
FIXTURES		
POWER		
FINAL	8/3/71	
UTILITY NOTIFIED		

BLDG. PT. NO. 21392

REC. BY

APPROVAL

DATE 6/24/71

TOTAL FEE 36.80

BD 6

5494

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS: 17852 Irvine Blvd
CROSS STREETS & DISTRICT: Prospect
TRACT: LOT NO.: BLDG. USE:
OWNER: Broadmoor Sq. West
CONTRACTOR: Southland Htg & A/C
MAIL ADDRESS: 2800 Temple Ave
CITY: Long Beach TEL. NO.: 427-8658
LICENSE NO.: 0247 EXPIRATION DATE: 1/1/72
DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X [signature]
SIGNATURE OF PERMITTEE

REMARKS

Suite D

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD

(CHECK ONE) KIND OF FUEL	NATURAL	L P G	OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
1	A/C UNITS @ 4.00		400
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		$6.00

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	11/9/71	

RECEIVED BY: CC DATE

BUILDING PERMIT NUMBER

RCPT. # 21755 | APPROVAL | DATE 10-15-71 | TOTAL FEE 6-00

3288

BD 4 6/68 2M

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS 17852 Irvine BLVD

CROSS STREETS & Prospect

DISTRICT

TRACT LOT NO. BLDG. USE

OWNER Brookhurst Sq West

CONTRACTOR Southland Htg & A/C

MAIL ADDRESS 2800 Temple Ave

CITY Long Beach TEL. NO. 424-8638

LICENSE NO. 0247 EXPIRATION DATE 1/1/72

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING, OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X [signature]

SIGNATURE OF PERMITTEE

REMARKS

Suite M

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD

(CHECK ONE) KIND OF FUEL	NATURAL	L P G	OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$5.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
1	A/C UNITS @ 4.00		4.00
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		6.00

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	11/9/71	

INSPECTION RECORD

RECEIVED BY: CC DATE

BUILDING PERMIT NUMBER

RCPT. # 21755 | APPROVAL | DATE 10-15-71 | TOTAL FEE 6.00

3289

BD 4 6/68 2M

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS 17852 IRV. NE BLVD

CROSS STREETS & DISTRICT Prospect

TRACT LOT NO. BLDG. USE

OWNER Broadmoor Sq. WEST

CONTRACTOR Southland Ht'g & A/C Co

MAIL ADDRESS 2800 Temple Ave

CITY Long Beach TEL. NO. 424-8638

LICENSE NO. 0247 EXPIRATION DATE 6/1/72

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X Herman C. Heidenberg

SIGNATURE OF PERMITTEE

REMARKS

Suite C

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	10/8/71	

RECEIVED BY: CA DATE

BUILDING PERMIT NUMBER

RCPT. # 21577 APPROVAL DATE 10-15-71 TOTAL FEE 10.00

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD

(CHECK ONE) KIND OF FUEL	NATURAL	L P G	OIL

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
2	A/C UNITS @ 4.00		8.00
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		$10.00

INSPECTION RECORD

3285

BD 4 6/68 2M

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

BUILDING ADDRESS 17802 IRVINE BLVD.

DISTRICT

CROSS STREETS & PROSPECT

TRACT LOT NO. BLDG. USE

OWNER R.B. SMITH, INC

CONTRACTOR SOUTHLAND HTG FAN & C.

MAIL ADDRESS 2800 TEMPLE AVE

CITY LONG BEACH, CALIF TEL. NO. 424-5[illegible]

LICENSE NO. C247 EXPIRATION DATE 1/1/72

DATE READY FOR FIRST INSPECTION 7/15/71

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X [signature]
SIGNATURE OF PERMITTEE

REMARKS

THIS IS FOR TENANT DEVELOPMENT

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD
	✓			

(CHECK ONE)	NATURAL	LPG	OIL
KIND OF FUEL	NONE		

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
2	CONDITIONED AIR REGISTERS	.30 EA.	~~.60~~
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
1	A/C UNITS	~~4.00~~	~~4.00~~
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		~~6.00~~ 4.00

APPROVALS	DATE	INSPECTOR'S NAME
FINAL	10/27/71	

INSPECTION RECORD

SO. TEC 1

RECEIVED BY: CC DATE

BUILDING PERMIT NUMBER

RCPT. #	APPROVAL	DATE	TOTAL FEE
21477		7-19-71	6.00

3287

BD 4 6/68 2M

APPLICATION FOR PLUMBING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN **1**

BUILDING ADDRESS: 3 BROAD MOORE SQ.
TOWN OR AREA: 17802 Irvine
NEAREST CROSS STREET: PROSPECT & IRVINE
OWNER: BROAD MOORE HOMES
PROPOSED USE: OFFICE BLDG. PRESENT USE:

TRACT: LOT NO.
CONTRACTOR: CUSTOM
ADDRESS: 970 JUNIPERO
CITY: COSTA MESA TEL. NO. 557-9644
STATE LICENSE NUMBER: 210916 EXPIRATION DATE:
DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING PLUMBING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND PRESENT HEREWITH MY STATE LICENSE REGISTRATION CARD AS PROOF THEREOF OR I AM THE OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X Roy Flowers
SIGNATURE OF PERMITTEE

PERMIT FEES

NO.	TYPE OF FIXTURE OR ITEM	FEE
	WATER CLOSET (TOILET)	$
	BATH TUB	
	SHOWER STALL	
	LAVATORY (WASH BASIN)	
1	KITCHEN SINK — [redacted]	1 50
	LAUNDRY TRAY OR AUTO. WASH. MACH.	
	DISHWASHER	
	SERVICE SINK	
	FLOOR SINK	
	FLOOR DRAIN	
	DRINKING FOUNTAIN	
	URINAL	
	SAND TRAPS	
	SWIMMING POOL FILTER	
	WATER HEATER	
	WATER SOFTENERS	
	LAWN SPRINKLERS RES. ☐ COMM. ☐	
	TRAILER HOOK-UPS	
	GAS SYSTEM NO. OF OUTLETS LPG ☐ NAT. ☐	
	AUTO. FIRE SPR. SYSTEM-VALUATION	
	HOUSE SEWER (VALUATION)	
	SEPTIC TANK	
	SEEPAGE PIT(S)	
	LEACHING FIELD	
	PERMIT ISSUANCE	2 00
BUILDING PERMIT NO.	TOTAL FEE	$ 3 50

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR'S SIGNATURE
GROUND WORK - SOIL ONLY		
GROUND WORK WITH WATER PIPE ☐ GAS PIPE ☐		
ROUGH PLUMBING		
GAS PIPING TO		
WATER HEATER		
SEPTIC TANK		
SEEPAGE PIT		
SEWER		
GAS TEST		
SPRINKLER SYSTEM		
FINAL	7/21/71	
UTILITY CO. NOTIFIED		

REC'D BY: OWNER PLAN CHECKED BY:

APPROVAL: 21443. PW DATE: 7/8/71 TOTAL FEE: 3 50

9777

BD 5

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 4th ST. Suite "E"

OWNER BEAUMONT HOMES

MAILING ADDRESS 17802 4th ST. PHONE

CITY TUSTIN

ARCHITECT OR ENGINEER

ADDRESS

CONTRACTOR RICH STONE STATE LICENSE # 177208

ADDRESS 1441 N. GAFFEY ST. SAN PEDRO

CITY LICENSE # 1121

DESCRIPTION OF WORK

NEW ☑ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLISH ☐

SIZE SQ. FT. 18 # NO. OF STORIES NO. OF FAMILIES

USE OF STRUCTURE Install wall heater

S/F interior room

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

ADDRESS 1441 N. Gaffey St. San Pedro

VALUATION $ 400 ~~00~~

P.C. FEE $

B.P.T. FEE $ 10 ~~00~~

OCCUPANCY GROUP

TYPE OF CONSTRUCTION

ZONING REGULATIONS

CHECKED BY DATE DATE CLEARED

PLOT PLAN FULLY DIMENSIONED? YES NO

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)?

MAIN USE ACC. USE ZONE DIST. M.

REQUIRED BUILDING SITE FRONTAGE? YES NO

BUILDING HEIGHT? STORIES AND FEET

REQUIRED LAND AREA? YES NO

VARIANCE REQUIRED? APPROVED NO

STREET WIDTH ' CORNER LOT INT. LOT

BUILDING SETBACK C/L ST. ' PROPERTY LINE '

SIDE YARD, RIGHT ' EAVE PROJECTION '

SIDE YARD, LEFT ' EAVE PROJECTION '

REAR YARD (TO P/L) ' WIDTH OF ALLEY '

SEPARATION BETWEEN BUILDINGS '

CHIMNEY IN REQUIRED SIDE YARD PROJECTS '

PORCH IN REQUIRED YARD PROJECTS '

STAIRS IN REQUIRED YARD PROJECTS '

PARKING AREA REQUIRED CAPACITY, CARS

REMARKS DPC - 70-73

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL	9/7/71	RW

FOR OFFICE USE ONLY

RECEIVED BY | PLAN CHECKED BY

PLAN CHECK RECEIPT NO | 1. ROUTE IMMEDIATELY TO INSPECTOR | 2. OFFICE WORK COPY | 3. ASSESSOR | 4. OWNER'S COPY OF PERMIT

BLDG. PER REC. # 21455 | APPROVED RW | DATE 7/12/71 | TOTAL FEE 10 ~~00~~

BD 1

5947

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AR' WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

BUILDING ADDRESS 17802 1/2 S. Suite "E"	TRACT LOT NO.
TOWN OR SCHOOL DIST. Tustin	CONTRACTOR RICH SIGN CO
NEAREST CROSS STREET	ADDRESS 144 N. Cliffe St.
OWNER BROADMOOR HOMES	CITY SAN PEDRO TEL NO. 213 547-3324
PROPOSED USE / PRESENT USE	STATE LICENSE NO. 177200 EXPIRATION DATE
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE [signature]

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF		
OUTLETS - NO. OF		
SIGNS & HP GAS TUBE LIGHTING 1	2	00
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
NUMBER OF SERVICES		
(IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1	00
TOTAL FEE	3	00

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	9/7/71	RW
UTILITY NOTIFIED		

BLDG. PT. NO.	REC. BY

APPROVAL		DATE	TOTAL FEE
24555	RW	7/12/71	3 00

BD 6

5527

APPLICATION FOR BUILDING PERMIT

APPLICANT: PLEASE FILL IN SHADED AREA ONLY
USE INDELIBLE PENCIL, BALL POINT PEN OR OTHER NON-ERASABLE SUBSTANCE

CITY OF TUSTIN 1

APPLICANT FILL IN THIS SHADED AREA ONLY - FILL IN COMPLETELY

BUILDING ADDRESS	17802 4th ST.
OWNER	Professional Practice Sales
MAILING ADDRESS	17802 4th ST
CITY	Tustin
TEL NO	
ARCHITECT OR ENGINEER	
TEL NO.	
ADDRESS	
CONTRACTOR	RICH SIGN CO
TEL NO	547-3326
ADDRESS	1441 W. GAFFEY ST.
CITY	SAN PEDRO
CITY LIC. NO.	1121
STATE LIC. NO.	177200

DESCRIPTION OF WORK

USE OF EXISTING BLDG	COML
WORK TO BE PERFORMED	INSTALL 18"x12' S/F SIGN
SIZE SQ. FT.	18
NO. OF STORIES	
NO. OF FAMILIES	

(X) NEW ( ) ADD ( ) ALTER ( ) REPAIR ( ) DEMOLISH

I hereby acknowledge that I have read this application and state that the above information is correct and agree to comply with all laws regulating building construction, and I shall not employ any person in violation of the workman's compensation laws of the State of California.

I hereby certify that I am properly licensed as a contractor under the State of California Business and Professions Code, Division 3, Chapter 9, and that such licenses are in full force and effect, or I am exempt from the provisions of the State of California Business and Professions Code, Division 3, Chapter 9.

SIGNATURE OF PERMITTEE: [signature]

PLAN CHECKED BY	APPROVED	
PLAN CHECK REC NO.	VALUATION	P.C. FEE $
BLDG. PER REC # 21597	$ 200	FEE $ 16.00

RECEIVED BY	DATE RECEIVED	NO.			
Rich	6/24/71	6013			
A.P. NO.		DATE ISSUED			
BUILDING ADDRESS	17802 Irvine ~~17852 Red Hill~~				
TRACT	LOT	BLOCK			
NEW	ADD	ALTER	REPAIR	MOVING	DEMOLISH
	Sign				
OWNER	Prof Practice Sales				
USE	Sign	VALUE $	200		
USE ZONE	ZONING CONDITIONS				
STREET IMPROVEMENTS					
APPROVED					
GROUP	TYPE CONST.	FIRE ZONE			

INSPECTION RECORD

APPROVAL	DATE	INSPECTOR
FOUNDATION AND LOCATION		
REINFORCING		
UNDER PINNING OR UNDER SLAB		
ROOF SHEETING		
ROUGH FRAMING		
DRY WALL		
LATH		
PLASTER BROWN CT.		
FINAL		

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE "WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 Irvine Blvd

TOWN OR SCHOOL DIST.: Tustin

NEAREST CROSS STREET:

OWNER: Professional Practice Bldgs

PROPOSED USE:

PRESENT USE:

TRACT: LOT NO.:

CONTRACTOR: Rich Sign Co

ADDRESS: 1441 W. Gaffey St

CITY: San Pedro TEL NO: 547-3326

STATE LICENSE NO.: 177200-C45 EXPIRATION DATE:

DATE READY FOR FIRST INSPECTION: 6-11-71

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE:

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF		
OUTLETS - NO. OF		
SIGNS & HP GAS TUBE LIGHTING 1	2	—
POLES (PERMANENT) (CONSTRUCTION		
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH 1		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	1	—
TOTAL FEE	3	—

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	12/14/71	
UTILITY NOTIFIED		

BLDG. PT. NO.:

REC. BY:

APPROVAL:

DATE: 8/24/71

TOTAL FEE: 3 —

BD 6

5598

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 Irvine Blvd.

OWNER: Broadmoor Square West

MAILING ADDRESS: 17802 Irvine Blvd. PHONE

CITY: Tustin, California

ARCHITECT OR ENGINEER: Arthur L. Bergey

ADDRESS: 174 E. Navilla Pl., Covina

CONTRACTOR: Rich Sign Co. STATE LICENSE # 177200

ADDRESS: 1441 No. Gaffey St., San Pedro

CITY LICENSE #

ZONING REGULATIONS

CHECKED BY _____ DATE _____ DATE CLEARED _____

PLOT PLAN FULLY DIMENSIONED? YES _____ NO _____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? _____

MAIN USE _____ ACC. USE _____ ZONE _____ DIST. M _____

REQUIRED BUILDING SITE FRONTAGE? YES _____ NO _____

BUILDING HEIGHT? STORIES _____ AND FEET _____

REQUIRED LAND AREA? YES _____ NO _____

VARIANCE REQUIRED? _____ APPROVED _____ NO _____

STREET WIDTH _____ ' CORNER LOT _____ INT. LOT _____

BUILDING SETBACK C/L ST _____ ' PROPERTY LINE _____ '

SIDE YARD, RIGHT _____ ' EAVE PROJECTION _____ '

SIDE YARD, LEFT _____ ' EAVE PROJECTION _____ '

REAR YARD (TO P/L) _____ ' WIDTH OF ALLEY _____ '

SEPARATION BETWEEN BUILDINGS _____ '

CHIMNEY IN REQUIRED SIDE YARD PROJECTS _____ '

PORCH IN REQUIRED YARD PROJECTS _____ '

STAIRS IN REQUIRED YARD PROJECTS _____ '

PARKING AREA REQUIRED _____ CAPACITY, CARS _____

REMARKS

Per D PC 70-73

FOR OFFICE USE ONLY

RECEIVED BY CW | PLAN CHECKED BY RW

DESCRIPTION OF WORK

NEW [X] ADD [ ] ALTER [ ] REPAIR [ ] DEMOLISH [ ]

SIZE SQ. FT. 66 Sq. Ft. | NO. OF STORIES | NO. OF FAMILIES

USE OF STRUCTURE: Install D/F pole sign , 5'x10'

& wall numbers, 2'x8'

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE [signature]

ADDRESS 1441 No. Gaffey St., San Pedro

VALUATION $ 900/-

P.C. FEE $

B.PT. FEE $ 20.00

OCCUPANCY GROUP | TYPE OF CONSTRUCTION

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS.		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL		

PLAN CHECK RECEIPT NO | 1. ROUTE IMMEDIATELY TO INSPECTOR | 2. OFFICE WORK COPY | 3. ASSESSOR | 4. OWNER'S COPY OF PERMIT

BLDG. PER REC. # | APPROVED | DATE 3-8-71 | TOTAL FEE 20.00

21009

BD 1

5635

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AL[illegible] WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 Irvine Blvd.	TRACT / LOT NO.
TOWN OR SCHOOL DIST.: Tustin	CONTRACTOR: Rich Sign Co
NEAREST CROSS STREET: Prospect	ADDRESS: 1411 N. Gaffey St.
OWNER: Broadmoore Square	CITY: San Pedro TEL. NO.: 547-3325
PROPOSED USE: S G W / PRESENT USE	STATE LICENSE NO.: 277200 EXPIRATION DATE
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE: Fred Rogers

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

	FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET	
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET	
COOKING APPLIANCES - NO. OF WATTAGE EACH	
HEATING APPLIANCES - NO. OF WATTAGE EACH	
HOME APPLIANCES - NAME EACH	
FIXTURES - NO. OF	
OUTLETS - NO. OF	
SIGNS & HP GAS TUBE LIGHTING 2 / 3 Bldg	5 00
POLES (PERMANENT) (CONSTRUCTION	
TEMPORARY UNDER GROUND)	
GENERATORS - NO. OF KW. EACH	
TRANSFORMERS - NO. OF KW. EACH	
MOTORS - NO. OF LIST UNDER MISCELLANEOUS	
MISCELLANEOUS AND LIST OF MOTORS	
NUMBER OF SERVICES (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)	
PERMIT ISSUANCE	1 00
TOTAL FEE	6 00

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING		
FIXTURES		
POWER		
FINAL	12/14/71	
UTILITY NOTIFIED		

BLDG. PT. NO.: 21004 | REC. BY: | APPROVAL | DATE: 3/8/71 | TOTAL FEE: 6 00

BD 6

5353

APPLICATION FOR PLUMBING PERMIT

APPLICANT TO FILL IN ARE THIN HEAVY LINES ONLY.

CITY OF TUSTIN **1**

BUILDING ADDRESS: 17802 Irvine Blvd
TOWN OR AREA: Tustin
NEAREST CROSS STREET: Prospect St
OWNER: R. B. Smith
PROPOSED USE: PRESENT USE:

TRACT: LOT NO.:
CONTRACTOR: Jem Const Co
ADDRESS:
CITY: Santa Ana TEL. NO.: 558-1151
STATE LICENSE NUMBER: 267179 EXPIRATION DATE:
DATE READY FOR FIRST INSPECTION:

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING PLUMBING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND PRESENT HEREWITH MY STATE LICENSE REGISTRATION CARD AS PROOF THEREOF OR I AM THE OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X Jerold C Fugino
SIGNATURE OF PERMITTEE

PERMIT FEES

NO.	TYPE OF FIXTURE OR ITEM	FEE
	WATER CLOSET (TOILET)	$
	BATH TUB	
	SHOWER STALL	
	LAVATORY (WASH BASIN)	
	KITCHEN SINK — GARBAGE DISPOSAL	
	LAUNDRY TRAY OR AUTO. WASH. MACH.	
	DISHWASHER	
	SERVICE SINK	
	FLOOR SINK	
	FLOOR DRAIN	
	DRINKING FOUNTAIN	
	URINAL	
	SAND TRAPS	
	SWIMMING POOL FILTER	
	WATER HEATER	
	WATER SOFTENERS	
	LAWN SPRINKLERS RES. ☐ COMM. ☐	
	TRAILER HOOK-UPS	
	GAS SYSTEM NO. OF OUTLETS LPG ☐ NAT. ☐	
	AUTO. FIRE SPR. SYSTEM-VALUATION	
	1200 Val	6 00
	HOUSE SEWER (VALUATION)	
	SEPTIC TANK	
	SEEPAGE PIT(S)	
	LEACHING FIELD	
	PERMIT ISSUANCE	2 00

BUILDING PERMIT NO.: TOTAL FEE: $ 8 00

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR'S SIGNATURE
GROUND WORK - SOIL ONLY		
GROUND WORK WITH WATER PIPE ☐ GAS PIPE ☐		
ROUGH PLUMBING		
GAS PIPING TO		
WATER HEATER		
SEPTIC TANK		
SEEPAGE PIT		
SEWER		
GAS TEST		
SPRINKLER SYSTEM		
FINAL		
UTILITY CO. NOTIFIED		

REC'D BY: C W OWNER PLAN CHECKED BY:

APPROVAL: 21182 DATE: 4-27-71 TOTAL FEE: 8.00

9632

BD 5

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE BLVD.

OWNER DONALD M. BIRD ASSOC., INC.

MAILING ADDRESS 17802 IRVINE BLVD PHONE

CITY TUSTIN

ARCHITECT OR ENGINEER

ADDRESS

CONTRACTOR RICH SIGN CO STATE LICENSE 177360

ADDRESS 1441 N. CAFFEY #, SAN RAFAEL

CITY LICENSE #

DESCRIPTION OF WORK

NEW [X] ADD [ ] ALTER [ ] REPAIR [ ] DEMOLISH [ ]

SIZE SQ. FT. 63 # NO. OF STORIES NO. OF FAMILIES

USE OF STRUCTURE Install wall sign.

4 Signs.

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

ADDRESS 1441 N. CAFFEY ST, SAN RAFAEL

VALUATION $ 700

P.C. FEE $

B.P.T. FEE $ 40.00

OCCUPANCY GROUP

TYPE OF CONSTRUCTION

ZONING REGULATIONS

CHECKED BY ..... DATE ..... DATE CLEARED .....

PLOT PLAN FULLY DIMENSIONED? YES ..... NO .....

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? .....

MAIN USE ..... ACC. USE ..... ZONE ..... DIST. M. .....

REQUIRED BUILDING SITE FRONTAGE? YES ..... NO .....

BUILDING HEIGHT? STORIES ..... AND FEET .....

REQUIRED LAND AREA? YES ..... NO .....

VARIANCE REQUIRED? ..... APPROVED ..... NO .....

STREET WIDTH ..... ' CORNER LOT ..... INT. LOT .....

BUILDING SETBACK C/L ST. ..... ' PROPERTY LINE ..... '

SIDE YARD, RIGHT ..... ' EAVE PROJECTION ..... '

SIDE YARD, LEFT ..... ' EAVE PROJECTION ..... '

REAR YARD (TO P/L) ..... ' WIDTH OF ALLEY ..... '

SEPARATION BETWEEN BUILDINGS ..... '

CHIMNEY IN REQUIRED SIDE YARD PROJECTS ..... '

PORCH IN REQUIRED YARD PROJECTS ..... '

STAIRS IN REQUIRED YARD PROJECTS ..... '

PARKING AREA REQUIRED ..... CAPACITY, CARS .....

REMARKS 4 Signs Plt 70-73

"DONALD M. BIRD" & ASSOC.

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS.		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL		

FOR OFFICE USE ONLY

RECEIVED BY | PLAN CHECKED BY

PLAN CHECK RECEIPT NO | 1. ROUTE IMMEDIATELY TO INSPECTOR | 2. OFFICE WORK COPY | 3 ASSESSOR | 4 OWNER'S COPY OF PERMIT

BLDG. PER REC. # 21125 | APPROVED PW | DATE 4-7-71 | TOTAL FEE 40.00

BD 1

5726

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE BLVD.	TRACT LOT NO.
TOWN OR SCHOOL DIST. TUSTIN AVE.	CONTRACTOR RICH SIGN CO
NEAREST CROSS STREET	ADDRESS 1441 N. GRAFFEY ST.
OWNER DONALD BIRD ASSOC., INC.	CITY SAN PEDRO (213) TEL. NO. 547-3326
PROPOSED USE S/GN PRESENT USE	STATE LICENSE NO. 177270 EXPIRATION DATE
	DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

	FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET	
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET	
COOKING APPLIANCES - NO. OF WATTAGE EACH	
HEATING APPLIANCES - NO. OF WATTAGE EACH	
HOME APPLIANCES - NAME EACH	
FIXTURES - NO. OF	
OUTLETS - NO. OF	
SIGNS & HP GAS TUBE LIGHTING 4	5 00
POLES (PERMANENT) (CONSTRUCTION 4 Bal.	
TEMPORARY UNDER GROUND)	
GENERATORS - NO. OF KW. EACH	
TRANSFORMERS - NO. OF KW. EACH	
MOTORS - NO. OF LIST UNDER MISCELLANEOUS	
MISCELLANEOUS AND LIST OF MOTORS	
NUMBER OF SERVICES	
(IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)	
PERMIT ISSUANCE	1 00
TOTAL FEE	6 00

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING	W	
FIXTURES		
POWER		
FINAL	12/14/71	
UTILITY NOTIFIED		

BLDG. PT. NO. | REC. BY

APPROVAL 21125 | RW | DATE 4-7-71 | TOTAL FEE 6 00

BD 6

5381

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN ARE" WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 IRVINE Blvd

TOWN OR SCHOOL DIST. TUSTIN

NEAREST CROSS STREET IRVINE Blvd & Prospect

OWNER Richard B. Smith Inc

PROPOSED USE OFFICE BLD. | PRESENT USE NEW

TRACT R565-5 LOT NO. Parcel #2

CONTRACTOR Looper Electric Co.

ADDRESS 3607 Finley Ave

CITY Newport Beach TEL NO. (714) 673-4585

STATE LICENSE NO. 125997 EXPIRATION DATE

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Charles L Kuhlman

		FEES
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF	147	16 70
OUTLETS - NO. OF	460	48 00
SIGNS & HP GAS TUBE LIGHTING	0	
POLES (PERMANENT) (CONSTRUCTION	0	
TEMPORARY UNDER GROUND)	0	
GENERATORS - NO. OF KW. EACH	0	
TRANSFORMERS - NO. OF KW. EACH	0	
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
3 - 10 HP		7 50
1 - 3/4 H.P.		1 00
1 - 1/3 H.P.		1 00
1 - 1/4 H.P.		1 00
NUMBER OF SERVICES 1		1 00
(IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE		1 00
TOTAL FEE		77 20

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

No Service
Drop
3/10/71

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING	Part 3/9/71	
FIXTURES		
POWER		
FINAL	5/4/71	
UTILITY NOTIFIED		

BLDG. PT. NO. | REC. BY CW

APPROVAL 20984 | DATE 2-26-71 | TOTAL FEE 77.20

BD 6

5349

APPLICATION FOR ELECTRICAL PERMIT

APPLICANT TO FILL IN AR[illegible] WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS	17802 IRVINE
TOWN OR SCHOOL DIST.	TUSTIN
NEAREST CROSS STREET	YORBA
OWNER	RICHARD B. SMITH
PROPOSED USE	TEMP POLE
PRESENT USE	
TRACT	
LOT NO.	
CONTRACTOR	RAM EQUIPMENT
ADDRESS	4776 KATELLA
CITY	ANAHEIM
TEL NO.	633-[illegible]94
STATE LICENSE NO.	246046
EXPIRATION DATE	
DATE READY FOR FIRST INSPECTION	1/7/71

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE, OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE W. E. [illegible]

	FEES	
RESIDENTIAL (SINGLE OR MULTI-FAMILY - NEW) AREA IN SQUARE FEET		
GARAGES NEW (RESIDENTIAL OR MULTI-FAMILY USE) AREA IN SQUARE FEET		
COOKING APPLIANCES - NO. OF WATTAGE EACH		
HEATING APPLIANCES - NO. OF WATTAGE EACH		
HOME APPLIANCES - NAME EACH		
FIXTURES - NO. OF		
OUTLETS - NO. OF		
SIGNS & HP GAS TUBE LIGHTING		
POLES (PERMANENT) (CONSTRUCTION	2	60
TEMPORARY UNDER GROUND)		
GENERATORS - NO. OF KW. EACH		
TRANSFORMERS - NO. OF KW. EACH		
MOTORS - NO. OF LIST UNDER MISCELLANEOUS		
MISCELLANEOUS AND LIST OF MOTORS		
NUMBER OF SERVICES 1 (IF UNITS TO BE SEPARATELY METERED - LIST AS NUMBER OF SERVICES)		
PERMIT ISSUANCE	2	00
TOTAL FEE	4	60

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD

APPROVALS	DATE	INSP. SIGNATURE
CONDUIT		
UNDERGROUND		
WIRING	3/11/71	[signature]
FIXTURES		
POWER		
FINAL	[signature]	
UTILITY NOTIFIED		

BLDG. PT. NO. 19733

REC. BY

APPROVAL [signature]

DATE 1-7-71

TOTAL FEE 4-60

BD 6

5307

APPLICATION FOR HEATING, VENTILATING AND REFRIGERATION PERMIT

APPLICANT TO FILL IN A \ WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN 1

12906-4

BUILDING ADDRESS 17802 IRVINE BLVD
CROSS STREETS &
DISTRICT
TRACT LOT NO. BLDG. USE
OWNER BROADMOOR SQUARE WEST
CONTRACTOR SOUTHLAND HTG & AIR CONDITIONING
MAIL ADDRESS 2800 TEMPLE AVE
CITY LONG BEACH TEL. NO. 424-8638
LICENSE NO. 114046 EXPIRATION DATE
DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION THAT I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING OR REFRIGERATING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND I PRESENT MY REGISTRATION CARD AS PROOF HEREWITH OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN

X [signature]
SIGNATURE OF PERMITTEE

REMARKS

APPROVALS	DATE	INSPECTOR'S NAME
mgl	2/25	[illegible]
FINAL		

RECEIVED BY: DATE

BUILDING PERMIT NUMBER

TYPE OF INSTALLATION	NEW	ADDITION	ALTERATION	OLD
	✓			

(CHECK ONE) KIND OF FUEL	NATURAL	L.P.G.	OIL
	✓		

ELECTRIC

NO.	TYPE OF APPLIANCE AND MANUFACTURER AND BTU		FEE
	F.A.U. – TO 100,000 BTU	$4.00 EA.	
	F.A.U. – OVER 100,000 BTU	$5.00 EA.	
	EVAPORATIVE COOLER	$3.00 EA.	
	APPLIANCE VENT OR TYPE "A" CHIMNEY	$2.00 EA.	
	CONDITIONED AIR REGISTERS	.30 EA.	
	FAN OR PLENUM (NOT A PART OF A FURNACE OR AIR CONDITIONER)	$3.00 EA.	
	VENT FAN (CONNECTED TO A SINGLE DUCT)	$2.00 EA.	
2	VENTILATION SYSTEM (CONNECTED TO MORE THAN ONE OUTLET & INLET)	$3.00 EA.	
	HOOD (SERVED BY A MECHANICAL EXHAUST)	$3.00 EA.	6.00
	INCIDENTAL GAS PIPING (PER SYSTEM)	$1.50 EA.	
	ALTERATION OR REPLACEMENT OF HEATING, AIR CONDITIONING OR REFRIGERATION SYSTEMS	$4.00 EA.	
1	APPLIANCES OR EQUIPMENT (NOT CLASSIFIED AS HEATING EQUIPMENT)	$3.00 EA.	3.00
	REFRIGERATION SYSTEMS - NEW ☐ ALTERED ☐ REPLACE ☐ UP TO 20 H.P. $3.00 EA. - 20 TO 50 H.P. $5.00 EA. - OVER 50 H.P. $10.00 EA.		
	MFT'R. / TYPE OF REFRIG. / NO. LBS.		
	WALL HEATER & VENT	$4.00 EA.	
	A/C UNITS		
	ISSUANCE OF PERMIT		$2.00
	TOTAL FEE		$11.00

INSPECTION RECORD

RCPT. # 19872. APPROVAL RW DATE 1-13-71 TOTAL FEE 11.00

3292

BD 4 6/68 2M

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 Irvine Blvd

OWNER: Smith/Brentwood

MAILING ADDRESS: 366 E. 1st PHONE: 544-4000

CITY: Tustin, Calif

ARCHITECT OR ENGINEER:

ADDRESS:

CONTRACTOR: Union Sign STATE LICENSE #: 207723

ADDRESS: 1347 Santiago - Santa Ana

CITY LICENSE #:

DESCRIPTION OF WORK

NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLISH ☐

SIZE SQ. FT.: 48 NO. OF STORIES: NO. OF FAMILIES:

USE OF STRUCTURE: Single Pole - Tract Sign.

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE: Frances M Lasater

ADDRESS: PO Box 10533 - Santa Ana

VALUATION $: 200.00

P.C. FEE $:

B.PT FEE $: 10.00

OCCUPANCY GROUP:

TYPE OF CONSTRUCTION:

ZONING REGULATIONS

CHECKED BY _____ DATE _____ DATE CLEARED _____

PLOT PLAN FULLY DIMENSIONED? YES _____ NO _____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? _____

MAIN USE _____ ACC. USE _____ ZONE _____ DIST. M. _____

REQUIRED BUILDING SITE FRONTAGE? YES _____ NO _____

BUILDING HEIGHT? STORIES _____ AND FEET _____

REQUIRED LAND AREA? YES _____ NO _____

VARIANCE REQUIRED? _____ APPROVED _____ NO _____

STREET WIDTH _____' CORNER LOT _____ INT. LOT _____

BUILDING SETBACK C/L ST. _____' PROPERTY LINE _____'

SIDE YARD, RIGHT _____' EAVE PROJECTION _____'

SIDE YARD, LEFT _____' EAVE PROJECTION _____'

REAR YARD (TO P/L) _____' WIDTH OF ALLEY _____'

SEPARATION BETWEEN BUILDINGS _____'

CHIMNEY IN REQUIRED SIDE YARD PROJECTS _____'

PORCH IN REQUIRED YARD PROJECTS _____'

STAIRS IN REQUIRED YARD PROJECTS _____'

PARKING AREA REQUIRED _____ CAPACITY, CARS _____

REMARKS: appr 12-23-70.
100.00 Bond

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS.		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL		

FOR OFFICE USE ONLY

RECEIVED BY: PLAN CHECKED BY:

PLAN CHECK RECEIPT NO: 1. ROUTE IMMEDIATELY TO INSPECTOR 2. OFFICE WORK COPY 3. ASSESSOR 4. OWNER'S COPY OF PERMIT

BLDG. PER REQ. 1970. APPROVED RW DATE 12-29-70 TOTAL FEE 10.00

BD 1

5541

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS: 17802 Irvine Blvd.

OWNER: Broadmoor Square, limited ptnrship

MAILING ADDRESS: 366 E. First, PHONE: 544-4000

CITY: Tustin, California

ARCHITECT OR ENGINEER: Morris, Lohrbach & Assoc., Inc

ADDRESS: 18121 Irvine Blvd. Tustin

CONTRACTOR: R.B. Smith, Inc STATE LICENSE #: 203625

ADDRESS: 17852 Irvine Blvd., Tustin

CITY LICENSE #: C-519

ZONING REGULATIONS

CHECKED BY ____ DATE ____ DATE CLEARED ____

PLOT PLAN FULLY DIMENSIONED? YES ____ NO ____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? ____

MAIN USE ____ ACC. USE ____ ZONE ____ DIST. M. ____

REQUIRED BUILDING SITE FRONTAGE? YES ____ NO ____

BUILDING HEIGHT? STORIES ____ AND FEET ____

REQUIRED LAND AREA? YES ____ NO ____

VARIANCE REQUIRED? ____ APPROVED ____ NO ____

STREET WIDTH ____ ' CORNER LOT ____ INT. LOT ____

BUILDING SETBACK C/L ST. ____ ' PROPERTY LINE ____ '

SIDE YARD, RIGHT ____ ' EAVE PROJECTION ____ '

SIDE YARD, LEFT ____ ' EAVE PROJECTION ____ '

REAR YARD (TO P/L) ____ ' WIDTH OF ALLEY ____ '

SEPARATION BETWEEN BUILDINGS ____ '

CHIMNEY IN REQUIRED SIDE YARD PROJECTS ____ '

PORCH IN REQUIRED YARD PROJECTS ____ '

STAIRS IN REQUIRED YARD PROJECTS ____ '

PARKING AREA REQUIRED ____ CAPACITY, CARS ____

REMARKS

FOR OFFICE USE ONLY

RECEIVED BY ____ PLAN CHECKED BY RW

PLAN CHECK RECEIPT NO 19190

BLDG. PER REC. # ____

1. ROUTE IMMEDIATELY TO INSPECTOR
2. OFFICE WORK COPY
3. ASSESSOR
4. OWNER'S COPY OF PERMIT

APPROVED RW DATE 12-17-70

TOTAL FEE 756.75

DESCRIPTION OF WORK

NEW [X] ADD [ ] ALTER [ ] REPAIR [ ] DEMOLISH [ ]

SQ. FT. 20,935 NO. OF STORIES 2 NO. OF FAMILIES

USE OF STRUCTURE: Commercial - offices & retail

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE: Charles D. Greenwood

ADDRESS: 17852 Irvine Blvd., Tustin

VALUATION $ 378,000.

P.C. FEE $ 252.25

B.PT. FEE $ 504.50

OCCUPANCY GROUP ____ TYPE OF CONSTRUCTION ____

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS	1/14/71	[illegible]
REINFORCED MASONRY OR CONCRETE		
BOND BEAM	1/19/71	[illegible]
UNDERPINNING		
ROOF SHEATHING	2/26/71	[illegible]
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL	5/4/71	RW

BD 1

6134

APPLICATION FOR PLUMBING PERMIT

APPLICANT TO FILL IN ARE. WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN **1**

BUILDING ADDRESS: 17802 IRVINE BLVD,
TOWN OR AREA: TUSTIN
NEAREST CROSS STREET:
OWNER: RICHARD B. SMITH DEVELOPMENT Co.
PROPOSED USE: OFFICE
PRESENT USE:

TRACT: OFFICE BUILDING LOT NO. -
CONTRACTOR: ANAHEIM PLUMBING, INC.
ADDRESS: 2881 EAST ORANGE STREET
CITY: ANAHEIM TEL. NO. 630-1200
STATE LICENSE NUMBER: 233242 C-36 EXPIRATION DATE: 6-30-71

DATE READY FOR FIRST INSPECTION

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING PLUMBING.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE AND PRESENT HEREWITH MY STATE LICENSE REGISTRATION CARD AS PROOF THEREOF OR I AM THE OWNER OF THE RESIDENTIAL PROPERTY DESCRIBED HEREIN.

X Walter E. La Farge Pres.
SIGNATURE OF PERMITTEE

PERMIT FEES

NO.	TYPE OF FIXTURE OR ITEM	FEE
10	WATER CLOSET (TOILET)	$ 15 00
	BATH TUB	
	SHOWER STALL	
8	LAVATORY (WASH BASIN)	12 00
	KITCHEN SINK — GARBAGE DISPOSAL	
	LAUNDRY TRAY OR AUTO. WASH. MACH.	
	DISHWASHER	
1	SERVICE SINK	1 50
	FLOOR SINK	
5	FLOOR DRAIN	7 50
2	DRINKING FOUNTAIN	3 00
2	URINAL	3 00
	SAND TRAPS	
	SWIMMING POOL FILTER	
1	WATER HEATER ELEC.	1 50
	WATER SOFTENERS	
	LAWN SPRINKLERS RES. ☐ COMM. ☐	
	TRAILER HOOK-UPS	
1	GAS SYSTEM NO. OF OUTLETS 2 LPG ☐ NAT. ☑	1 50
	AUTO. FIRE SPR. SYSTEM-VALUATION	
2	BAR SINKS	3 00
	PROPERTY HOUSE SEWER (VALUATION) 40FT	5 00
	SEPTIC TANK	
	SEEPAGE PIT(S)	
	LEACHING FIELD	
	PERMIT ISSUANCE	2 00
	BUILDING PERMIT NO. 6134 — TOTAL FEE	$ 55 00

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR'S SIGNATURE
GROUND WORK - SOIL ONLY	1/13/71	
GROUND WORK WITH WATER PIPE ☐ GAS PIPE ☐		
ROUGH PLUMBING	2/24/71	
GAS PIPING TO		
WATER HEATER		
SEPTIC TANK		
SEEPAGE PIT		
SEWER		
GAS TEST		
SPRINKLER SYSTEM		
FINAL	4/27/71	
UTILITY CO. NOTIFIED		

REC'D BY

OWNER PLAN CHECKED BY:

APPROVAL 19709.

DATE 12-23 70

TOTAL FEE 55-00

9408

BD 5

APPLICATION FOR BUILDING PERMIT

APPLICANT TO FILL IN AREA WITHIN HEAVY LINES ONLY.

CITY OF TUSTIN

1

BUILDING ADDRESS 17802 Irvine Blvd, Tustin

OWNER Broadmoor Square West, Ltd Partnership

MAILING ADDRESS 17852 Irvine Blvd PHONE 544-9230

CITY Tustin

ARCHITECT OR ENGINEER Morris & Lohrbach

ADDRESS Irvine Blvd Tustin

CONTRACTOR Richard B Smith Inc STATE LICENSE 203625

ADDRESS 17852 Irvine Blvd.

CITY LICENSE # C519

DESCRIPTION OF WORK

NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOLISH ☐

SIZE SQ. FT. 248 ± | NO. OF STORIES | NO. OF FAMILIES

USE OF STRUCTURE BLOCK WALL.

LEGAL DESCRIPTION	LOT	BLOCK	TRACT

(PLEASE ATTACH METES AND BOUNDS)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE Mason & Lawrence

ADDRESS 17852 Irvine Blvd, Tustin

VALUATION $ 1200.00

P.C. FEE $

B.PT. $ FEE 12.00

OCCUPANCY GROUP | TYPE OF CONSTRUCTION

ZONING REGULATIONS

CHECKED BY _____ DATE _____ DATE CLEARED _____

PLOT PLAN FULLY DIMENSIONED? YES _____ NO _____

ALL BUILDINGS SHOWN ON PLAN (PER APPLICANT)? _____

MAIN USE _____ ACC. USE _____ ZONE _____ DIST. M. _____

REQUIRED BUILDING SITE FRONTAGE? YES _____ NO _____

BUILDING HEIGHT? STORIES _____ AND FEET _____

REQUIRED LAND AREA? YES _____ NO _____

VARIANCE REQUIRED? _____ APPROVED _____ NO _____

STREET WIDTH _____' CORNER LOT _____ INT. LOT _____

BUILDING SETBACK C/L ST. _____' PROPERTY LINE _____'

SIDE YARD, RIGHT _____' EAVE PROJECTION _____'

SIDE YARD, LEFT _____' EAVE PROJECTION _____'

REAR YARD (TO P/L) _____' WIDTH OF ALLEY _____'

SEPARATION BETWEEN BUILDINGS _____'

CHIMNEY IN REQUIRED SIDE YARD PROJECTS _____'

PORCH IN REQUIRED YARD PROJECTS _____'

STAIRS IN REQUIRED YARD PROJECTS _____'

PARKING AREA REQUIRED _____ CAPACITY, CARS _____

REMARKS: D.P. 70-73 APPROVED FOR MEDICAL & DENTAL OFFICES. SEE LETTER 12-22-70 R.K.F.

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR SIGNATURE
FOUNDATION: LOCATION FORMS AND MATERIALS		
REINFORCED MASONRY OR CONCRETE		
BOND BEAM		
UNDERPINNING		
ROOF SHEATHING		
ROOFING		
FRAMING		
LATH OR DRYWALL INTERIOR		
LATH EXTERIOR		
PLASTER BROWN COAT		
FINAL		

FOR OFFICE USE ONLY

RECEIVED BY | PLAN CHECKED BY

PLAN CHECK RECEIPT NO | 1. ROUTE IMMEDIATELY TO INSPECTOR | 2. OFFICE WORK COPY | 3. ASSESSOR | 4. OWNER'S COPY OF PERMIT

BLDG. PER REC. # 19392 | APPROVED RW | DATE 12/14/70 | TOTAL FEE 12.00

BD 1

5488

APPLICATION FOR GRADING PERMIT

APPLICANT TO COMPLETE NUMBERED ITEMS ONLY

CITY OF TUSTIN **1**

1. LEGAL LOT: Parcel #2	BLK.	TRACT: RS 65-5	
2. JOB ADDRESS: 17802 Irvine Boulevard, Tustin			APPROVED
3. BETWEEN CROSS STREETS: Prospect Avenue AND Holt Avenue			
4. PURPOSE: Office Building			
5. OWNER: Broodmoor Square West, a limited partnership			PHONE: 544-4230
6. OWNER'S ADDRESS: 17852 Irvine Boulevard, Tustin		P.O.	ZONE: 92680
7. PLANS BY: Williamson & Schmid	CIVIL ENG.	STATE LICENSE: 10181	PHONE: 547-3986
8. CONTOURS BY: Richard R. Schmid	LIC'D. SURVEYOR OR CIVIL ENG. CE	STATE LICENSE: 12271	PHONE: 547-3986
9. FOUNDATION: Morris & Lohrbach, Architects	ENGINEER GEOLOGIST	STATE LICENSE: C ~~5813~~ 5839	PHONE: 544-0573
10. CONTRACTOR: Richard B. Smith, Inc.	203625	STATE LICENSE	PHONE: 544-4230
11. CONTRACTOR'S ADDRESS: 17852 Irvine Boulevard, Tustin, Calif.		P.O. 92680	ZONE

S. D. M. _____

A. P. _____ POR. _____

PRESENT ZONE TYPE

RES. _____ COM. _____ IND. _____

REMARKS _____

DATE _____ BY _____

12. PROPOSED USE OF GRADE SITE: Office Building and Parking areas and Drives

13. NUMBER CUBIC YARDS: CUT 608 cu yds | NATURAL FILL 925 | BORROW FILL None | TOTAL CUT AND FILL 1533 cu yds

14. TYPE OF NATURAL SOIL: Clayey Sand | TYPE OF FILL MATERIAL: Same

15. COMPACTED FILLS YES ☒ NO ☐

APPROVED SOIL TESTING AGENCY: Robert Stone & Associates, Inc.

16. PROPOSED SCHEDULE OF OPERATIONS (DATES)

START 12/15/70 FINISH 12/22/70

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION I HAVE PROVIDED IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

I CERTIFY THAT I POSSESS THE ABOVE VALID CITY LICENSE OR I AM THE LEGAL OWNER OF THE RESIDENTIAL PROPERTY HEREIN DESCRIBED.

SIGNATURE OF PERMITTEE [signature] AV Pres

AUTHORIZED AGENT FOR RICHARD B. SMITH, INC.

YARDAGE APPROVED	MAXIMUM SLOPE CUT / FILL	DOCUMENTS TO ACCOMPANY APPLICATION	
APPLICATION CHECKED	RETAINING WALL REQUIRED YES / NO	SOIL REPORT	VICINITY MAP / PLOT PLAN
PLANS CHECKED		GEOLOGICAL REPORT	CONTOUR MAP
CORRECTIONS VERIFIED	FILE WITH	COMPACTION REPORT	TYPICAL CROSS SECTION
PLANS APPROVED	CONT. INSP.	PLANS OF RETAINING WALLS	ELEVATIONS ORIGINAL
APPLICATION APPROVED	INSPECTOR	BOND ☐ CASH ☐ SURETY POSTED	DRAINAGE CHANNELS AND FACILITIES
			PLANNED ELEVATIONS GRADES AND SLOPES
			SPEC. FOR DUST CONTROL
			OTHERS

THIS FORM WHEN PROPERLY VALIDATED IS A PERMIT TO DO THE WORK DESCRIBED.

P.C. FEE $ 20 00

B. PT. FEE $ 86 00

TOTAL FEE 106 00

APPROVAL 19391 RW DATE 12/14/70

821

BD 2 10/63 1M

DRAFT

(AREA DEVELOPMENT—SINGLE OWNERSHIP)

CITY OF TUSTIN

135 W. Third St.
Tustin, California

Bedy

APPLICATION

To be completed by owner or agent and submitted in quintuplicate with required fees and plans — see reverse side

Applicant, R. B. Smith Inc., hereby requests the following connection(s) to City's sewerage facilities:

	Location	Lot Nos. (See reverse side for instructions)	Size	Type
1.	17802 Irvine Blvd. (Parcel No. 2)	To	6"	VCP
2.		To		
3.		To		

Tract No. _____ Total lots _____ Estimated date of occupancy _____

If commercial or industrial property, total acreage served _____.

The waste to be discharged to City's sewerage facilities, if other than purely domestic sewage will have the following general characteristics as to estimated quantities, time of peak discharge and principal source or sources:

In making this application, applicant acknowledges that any permit issued will constitute a contract, if accepted by applicant, and may be enforced by civil action at law and/or injunction.

Date: 12/22/70 Allan B. Lawrence Allen.
SIGNATURE

PERMIT

No. 851

For Connection to City Sewerage Facilities and for Discharge of Domestic Sewage Only

Permission to construct connection(s) to the sewerage facilities of the City is hereby granted to applicant providing such connection(s) is made in accordance with plans and specifications hereby approved, and attached hereto; further providing that request for inspection must be given to the Tustin City Hall (544-7820) at least 24 hours prior to the commencing of any construction work.

This permit also gives the applicant permission to discharge only purely domestic sewage through the connection(s) hereinabove authorized into the sewerage system of the City. The discharge of any industrial or commercial waste is not authorized without a further and separate permit from the City.

Receipt of required fees and charges as specified by Orange County Sanitation District No. 7, Ordinance No. 705 is hereby acknowledged.

Date: 12/22/70

Amount Paid $ 145.00

CITY OF TUSTIN

By _____

CITY OF TUSTIN

Community Development Department – Building Division
300 Centennial Way, Tustin CA 92780
Building Counter (714) 573-3131 – Inspection Recorder (714) 573-3141

BUILDING PERMIT NUMBER: C08-0362 **ADDRESS:** 17842 IRVINE BL TUST SUITE

DRAFT

ASSESSOR'S PARCEL NUMBER: 401-141-57
LOT NUMBER.....:
DEVELOPMENT AREA.....: TUSTIN

SUITE NUMBER...:
TRACT NUMBER.:
ISSUED BY.....:
DATE ISSUED.....: 09/05/2008

PROPERTY OWNER.....: TUSTIN BUSINESS CENTER LTD PA
4525-MAC AR MACARTHUR BL
TUSTIN CA 92780-3312

CONTRACTOR **ARCHITECT**

JOB DESCRIPTION: 800 SF Dential office TI; storage space under stairway for compressor and bring existing facility bathrooms up to code.

O.C.F.A. Number.....:

OCCUPANT LOAD:	0	OCCUPANCY GROUP:		CONSTRUCTION TYPE.:	
RESIDENTIAL SQ.FT:	0	COMMERCIAL SQ FT:	0	INDUSTRIAL SQ FT:	0
GARAGE SQ FT:	0	OFFICE SQ FT:	0	WAREHOUSE SQ FT:	0
ROOF SQ FT:	0	TENANT IMPR. SQ FT:	0	OTHER SQ. FT:	0
NUMBER OF UNITS:	1	NUMBER OF STORIES:	0	UBC EDITION: 1997	
NUMBER OF SEATS:	0	VALUATION...:	$0.00	BUILDER VALUATION: $2,000.00	

FEE SUMMARY

PLAN CHECK	$38.95	BUILDING PERMIT:	$90.64	PLN INSP.:	$11.13
MECH PERMIT:	$0.00	PLUMBING PERMIT:	$73.84	ELEC PERMIT:	$33.90
SIGN PERMIT:	$0.00	GRADING PERMIT:	$0.00	PRIVATE IMPR:	$0.00
NEW DEV. TAX:	$0.00	TSIP ZONE A FEE:	$0.00	TSIP ZONE B FEE:	$0.00
SMIP FEE:	$0.50	MICROFILM FEE:	$0.00	OCFA FEE:	$0.00
PENALTY FEE.:	$0.00	REFUNDABLE BOND:	$0.00	MISCELLANEOUS:	$40.00
PLN REVIEW:	$7.79				
		TOTAL FEES:	**$341.80**		

LICENSED CONTRACTOR DECLARATION:
I hereby affirm that I am a licensed Contractor under the provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business & Professions Code, and my license is in full force and effect.
LICENSE NUMBER: LICENSE CLASS:
Expires DATE:

OWNER BUILDER DECLARATION:
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Section 7031.5, Business Professions Code: Any City or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law [Chapter 9 (commencing with Section 7000) of Division 3 of the Business & Professions code] or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00).

_____ I as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Section 7044, Business & Professions Code: the Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If , however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for purposes of sale).

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business & Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) license pursuant to the Contractor's License Law).

_____ I am exempt under Section_____, Business & Professions Code for the following reason(s):_____

Owner Signature:_____Date:_____

WORKERS' COMPENSATION DECLARATION:
I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for Worker's Compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

_____ I have and will maintain Worker's Compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My Worker's Compensation insurance carrier and Policy Number are:

POLICY NUMBER: COMPANY:

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

_____ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation laws of California, and I agree that if I should become subject to the Worker's Compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature_____Date: 9-5-08

WARNING: Failure to secure Worker's Compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000) in addition to the cost of compensation, damages as provided for in Section (3700) of the Labor Code, interest and attorney fees.

IMPORTANT:
Application is hereby made to the Building Official for a permit subject to the conditions and restrictions set forth on this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issues as a result of this application agrees to, and shall, indemnify and hold harmless the City of Tustin, its officers, agents and employees in accordance with the provisions of Chapter 2 of the Uniform Administrative Code. I agree not to occupy or allow occupancy of any building authorized by this permit until final inspection has been received. I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representative of the City to enter upon the above mentioned property for inspection purposes.

Signature of Owner, Contractor, or Authorized Agent _____ Date 9-5-08

*****BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS*****

POST THIS SIDE OUT AT JOB SITE

Community Development Department – Building Division

INSPECTION RECORD

Schedule inspection one work day in advance. To schedule inspections please **Fax 714/573-3129** or **Call 714/573-3141** Provide the following information:
(1) Permit number, (2) Job address, (3) Type of inspection, (4) Day/date you need the inspection.

JOB ADDRESS: _____ DRAFT

PERMIT NUMBER: _____

**** BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS****

BUILDING INSPECTIONS	INSP	DATE	COMMENTS	FIXTURE COUNTS
UNDERGROUND GAS PIPE				
UNDERGROUND SOIL PIPE				
UNDERGROUND ELECTRIC				
UNDERGROUND WATER				
BLDG SEWER				
SETBACKS/CERTS				
FOOTING/REINFORCEMENTS				
SLAB				
WATER SERVICE				
MASONRY WALL FOOTINGS				
MASONRY PRE-GROUT				
FLOOR SHEATHING				
ROOFING NAILING				
EXTERIOR SHEAR WALLS				
INTERIOR SHEAR WALLS				
ROUGH PLUMBING				
ROUGH MECHANICAL				
ROUGH ELECTRICAL				
ROUGH FRAMING				
OCFA FIRE SPRINKLER ROUGH/HYDRO				
INSULATION				
DRYWALL				
GAS TEST				
EXTERIOR LATH				
SCRATCH COAT				
T-BAR CEILING				
WASTE DIVERSION REPORT TO PUBLIC WORKS				
SUB LIST				
GAS METER RELEASE				
ELECTRIC METER RELEASE				
OCFA FIRE SPRINKLER FINAL				
OCFA ALARM/MONITORING FINAL YES/NO?				
OCFA PROJECT FINAL				
PUBLIC WORKS FINAL				
PLANNING FINAL				
PLUMBING FINAL				
MECHANICAL FINAL				
ELECTRICAL FINAL				
BUILDING FINAL & OCCUPANCY APPROVED	MH	6/1/09		
POOL & SPA	INSP	DATE		
EXCAVATIONS/SETBACKS				
MAIN DRAIN				
REINFORCING STEEL/BONDING				
UNDERGROUND PLUMBING				
UNDERGROUND GAS TEST				
UNDERGROUND ELECTRICAL				
GUNITE REPORT				
PRE-DECK				
PRE-PLASTER/FENCE BARRIER				
POOL FINAL				
GRADING	INSP	DATE		
PRE GRADE				
EROSION CONTROL				
SUB DRAINS/SURFACE DRAINS				
ROUGH GRADE FINAL (CERTIFIED)				
PRECISE GRADE FINAL (CERTIFIED)				
BACKFILL AND COMPACTION				
FINAL GRADING (BUILDING DIVISION)				

* All other OCFA inspections are recorded on the OCFA Inspection Record Card.

DESCRIPTION OF WORK:

Effective January 1, 2005, Section 17951 (d) of the Health and Safety Code is amended to read: If the local enforcement agency fails to conduct an inspection of permitted work for which permit fees have been charged pursuant to this section within 60 days of receiving notice of the completion of the permitted work, the permittee shall be entitled to reimbursement of the permit fees.

CITY OF TUSTIN

Community Development Department – Building Division
300 Centennial Way, Tustin CA 92780
Building Counter (714) 573-3131 – Inspection Recorder (714) 573-3141

BUILDING PERMIT NUMBER: C08-0362 **ADDRESS:** 17842 IRVINE BL TUST SUITE

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NUMBER OF UNITS:	1	NUMBER OF STORIES:	0	UBC EDITION: 1997	
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POLICY NUMBER: COMPANY:

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

_____ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation laws of California, and I agree that if I should become subject to the Worker's Compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature_____Date: 9-5-08

WARNING: Failure to secure Worker's Compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars ($100,000) in addition to the cost of compensation, damages as provided for in Section (3700) of the Labor Code, interest and attorney fees.

IMPORTANT:
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Signature of Owner, Contractor, or Authorized Agent _____ Date 9-5-08

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Community Development Department – Building Division

INSPECTION RECORD

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(1) Permit number, (2) Job address, (3) Type of inspection, (4) Day/date you need the inspection.

JOB ADDRESS: _____ DRAFT

PERMIT NUMBER: _____

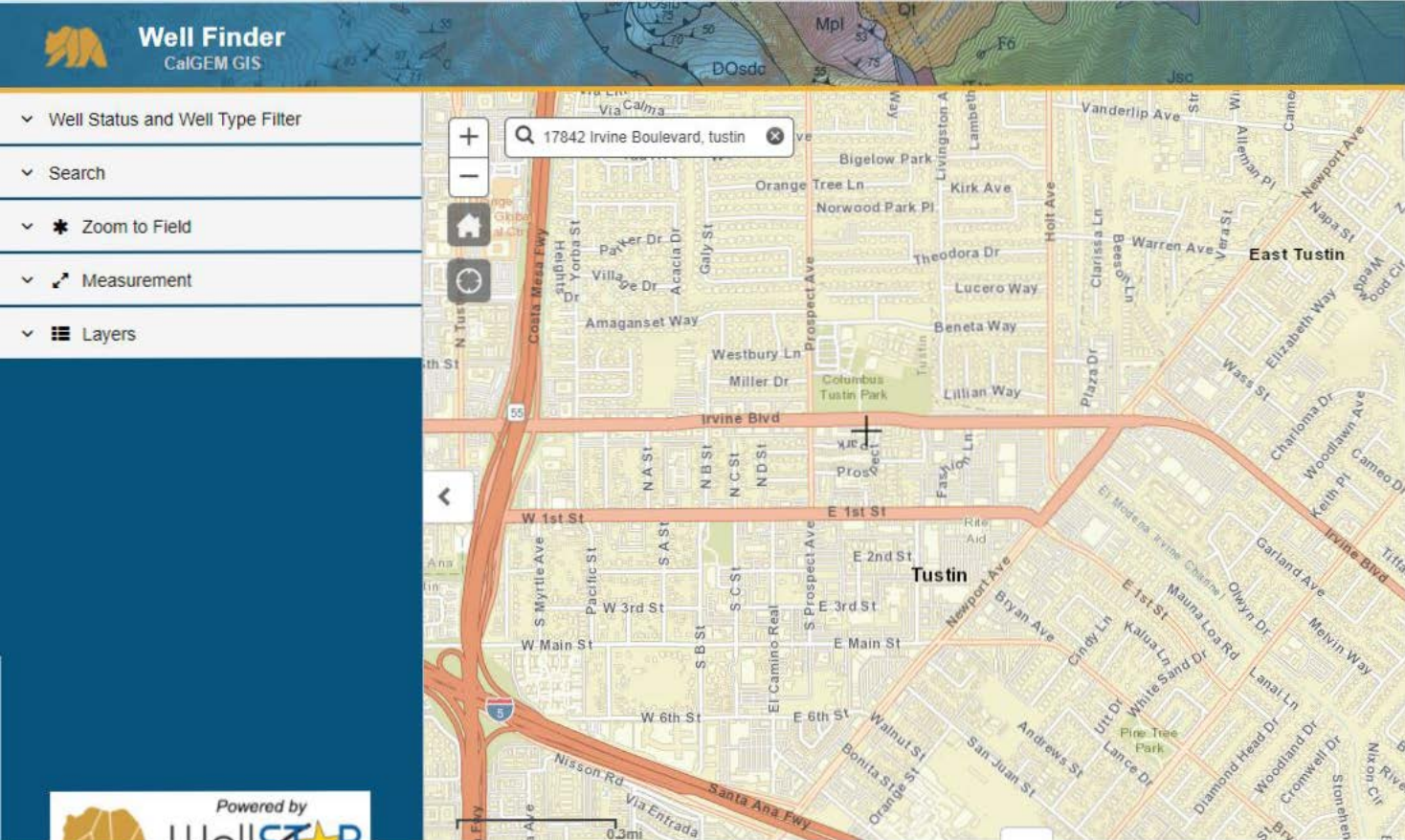
**** BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS****

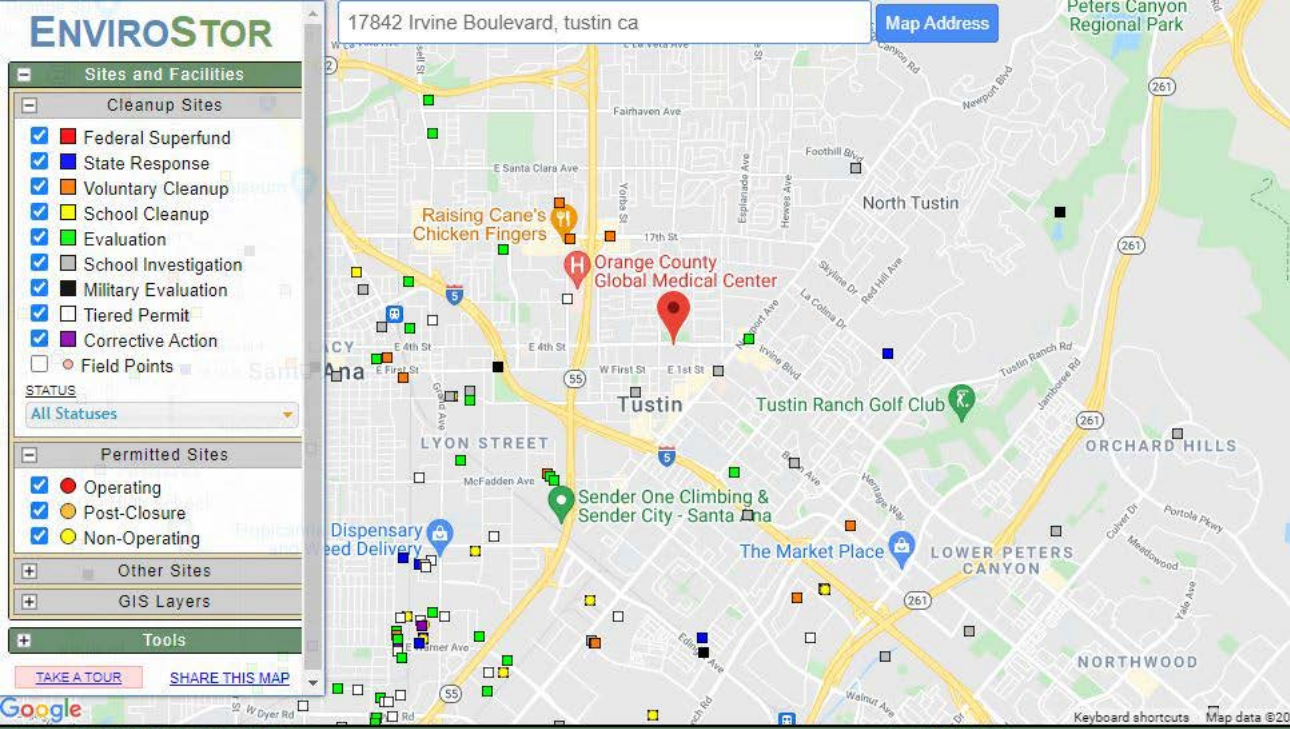
BUILDING INSPECTIONS	INSP	DATE	COMMENTS	FIXTURE COUNTS
UNDERGROUND GAS PIPE				
UNDERGROUND SOIL PIPE				
UNDERGROUND ELECTRIC				
UNDERGROUND WATER				
BLDG SEWER				
SETBACKS/CERTS				
FOOTING/REINFORCEMENTS				
SLAB				
WATER SERVICE				
MASONRY WALL FOOTINGS				
MASONRY PRE-GROUT				
FLOOR SHEATHING				
ROOFING NAILING				
EXTERIOR SHEAR WALLS				
INTERIOR SHEAR WALLS				
ROUGH PLUMBING				
ROUGH MECHANICAL				
ROUGH ELECTRICAL				
ROUGH FRAMING				
OCFA FIRE SPRINKLER ROUGH/HYDRO				
INSULATION				
DRYWALL				
GAS TEST				
EXTERIOR LATH				
SCRATCH COAT				
T-BAR CEILING				
WASTE DIVERSION REPORT TO PUBLIC WORKS				
SUB LIST				
GAS METER RELEASE				
ELECTRIC METER RELEASE				
OCFA FIRE SPRINKLER FINAL				
OCFA ALARM/MONITORING FINAL YES/NO?				
OCFA PROJECT FINAL				
PUBLIC WORKS FINAL				
PLANNING FINAL				
PLUMBING FINAL				
MECHANICAL FINAL				
ELECTRICAL FINAL				
BUILDING FINAL & OCCUPANCY APPROVED	MH	6/1/09		
POOL & SPA	INSP	DATE		
EXCAVATIONS/SETBACKS				
MAIN DRAIN				
REINFORCING STEEL/BONDING				
UNDERGROUND PLUMBING				
UNDERGROUND GAS TEST				
UNDERGROUND ELECTRICAL				
GUNITE REPORT				
PRE-DECK				
PRE-PLASTER/FENCE BARRIER				
POOL FINAL				
GRADING	INSP	DATE		
PRE GRADE				
EROSION CONTROL				
SUB DRAINS/SURFACE DRAINS				
ROUGH GRADE FINAL (CERTIFIED)				
PRECISE GRADE FINAL (CERTIFIED)				
BACKFILL AND COMPACTION				
FINAL GRADING (BUILDING DIVISION)				

* All other OCFA inspections are recorded on the OCFA Inspection Record Card.

DESCRIPTION OF WORK:

Effective January 1, 2005, Section 17951 (d) of the Health and Safety Code is amended to read: If the local enforcement agency fails to conduct an inspection of permitted work for which permit fees have been charged pursuant to this section within 60 days of receiving notice of the completion of the permitted work, the permittee shall be entitled to reimbursement of the permit fees.


Well Finder
CalGEM GIS
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
17842 Irvine Boulevard, tustin
Powered by
Irvine Blvd
E 1st St
W 1st St
E 2nd St
Tustin
W 3rd St
E 3rd St
W Main St
E Main St
W 6th St
E 6th St
East Tustin
Santa Ana Fwy
Nisson Rd
Via Entrada
0.3mi



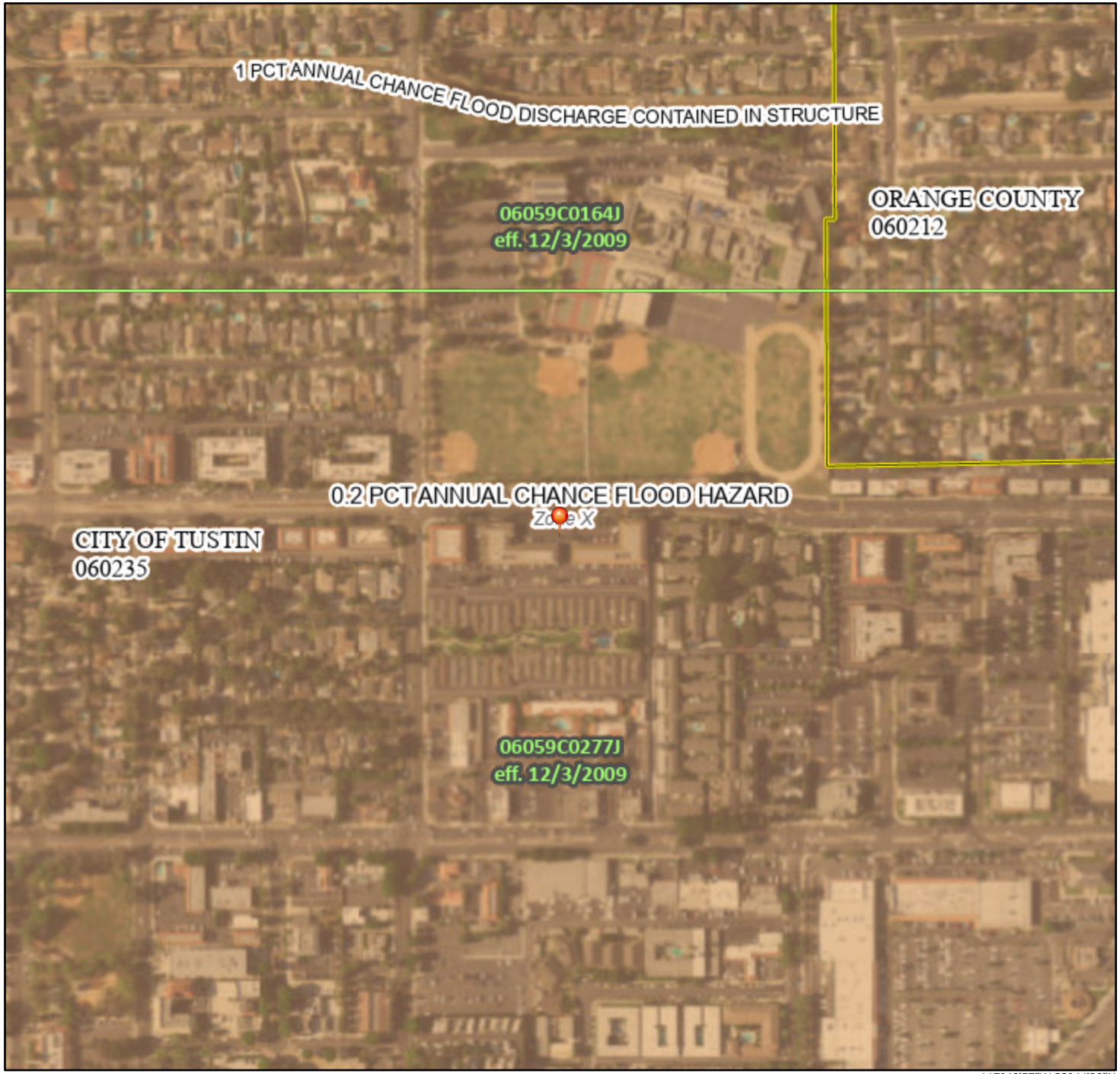
SITES CURRENTLY VISIBLE ON MAP — 141 SITES LISTED

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS
7-ELEVEN STORE NO. 13799	ACTIVE	VOLUNTARY CLEANUP	16791 MCFADDEN AVENUE
A&A DEBURRING & TUMBLING, INC.,	NO FURTHER ACTION	TIERED PERMIT	1330 E. POMONA STREET
ACE CLEANERS	REFER: 1248 LOCAL AGENCY	EVALUATION	2525 NORTH GRAND AVEN
ACTIVE PLATING	INACTIVE - NEEDS EVALUATION	TIERED PERMIT	1411 E. POMONA

National Flood Hazard Layer FIRMette

FEMA

117°49'34"W 33°45'8"N



117°48'57"W 33°44'38"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

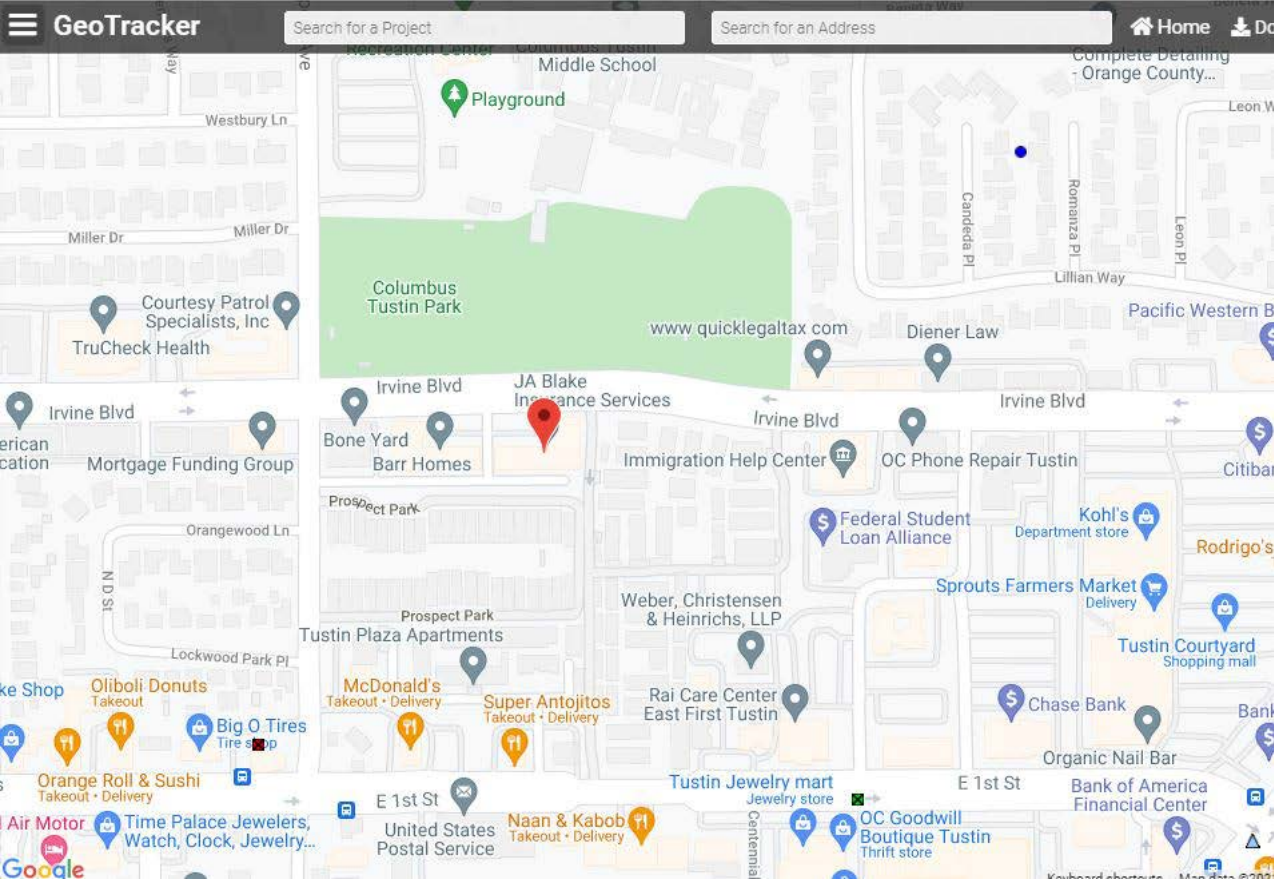
N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/24/2021 at 6:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

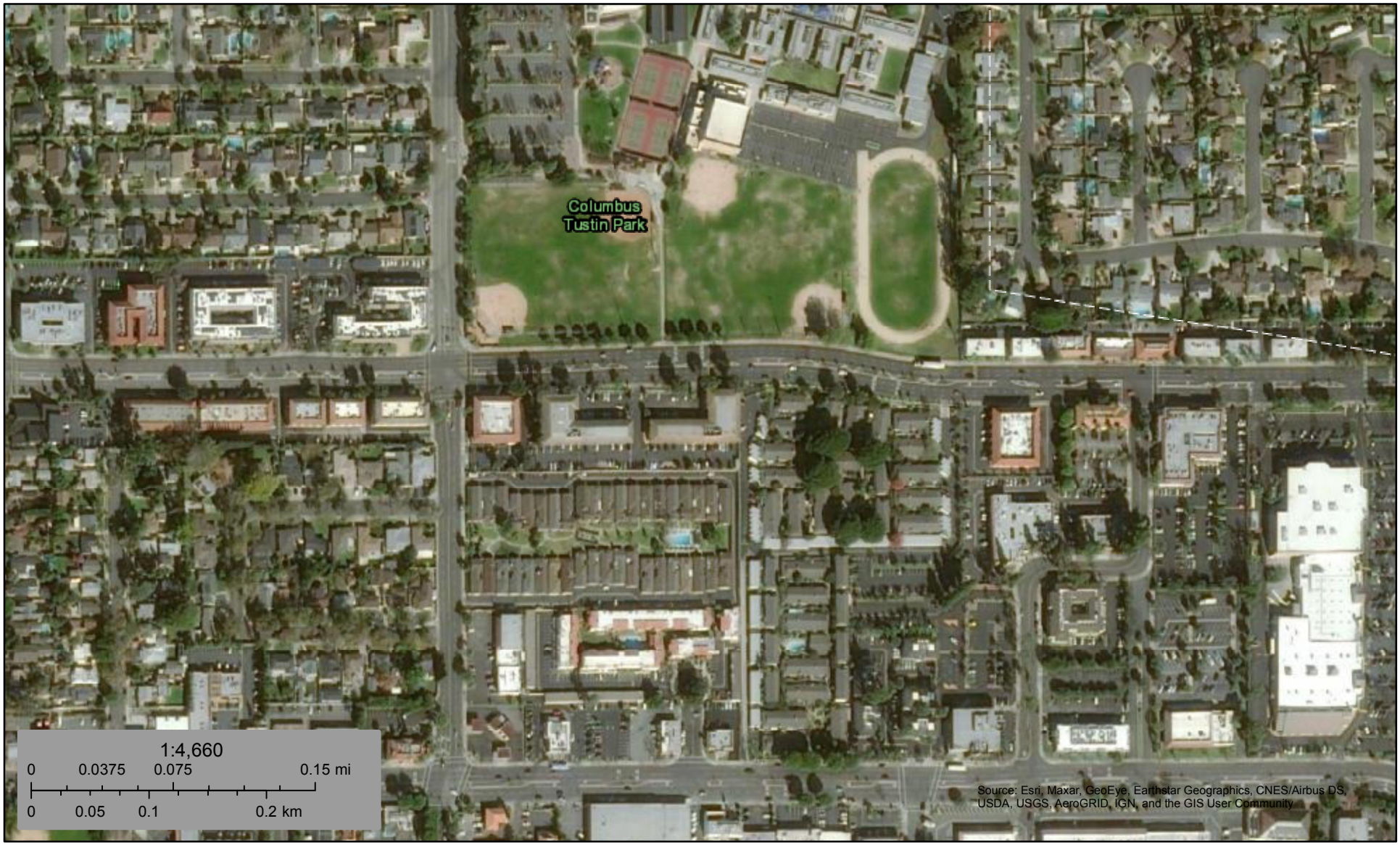
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


GeoTracker
Search for a Project
Search for an Address
Home
Middle School
Playground
Westbury Ln
Miller Dr
Miller Dr
Columbus Tustin Park
Courtesy Patrol Specialists, Inc
TruCheck Health
www.quicklegaltax.com
Diener Law
Irvine Blvd
JA Blake Insurance Services
Irvine Blvd
Irvine Blvd
Irvine Blvd
Bone Yard
Barr Homes
Mortgage Funding Group
Immigration Help Center
OC Phone Repair Tustin
Prospect Park
Orangewood Ln
Federal Student Loan Alliance
Kohl's
Department store
Sprouts Farmers Market
Delivery
Weber, Christensen & Heinrichs, LLP
Prospect Park
Tustin Plaza Apartments
Lockwood Park Pl
Tustin Courtyard
Shopping mall
Oliboli Donuts
Takeout
McDonald's
Takeout • Delivery
Super Antojitos
Takeout • Delivery
Rai Care Center East First Tustin
Chase Bank
Big O Tires
Organic Nail Bar
Orange Roll & Sushi
Takeout • Delivery
Tustin Jewelry mart
Jewelry store
E 1st St
Bank of America Financial Center
E 1st St
Time Palace Jewelers, Watch, Clock, Jewelry...
United States Postal Service
Naan & Kabob
Takeout • Delivery
OC Goodwill Boutique Tustin
Thrift store
Google

U.S. Fish and Wildlife Service

National Wetlands Inventory

wetlands



October 5, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the ASTM Standard E 1527-13, which adheres to the All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice."*

PROPERTY ADDRESS:	17802 and 17843 Irvine Boulevard
PROPERTY CITY, STATE ZIP:	Tustin, CA 92780

1. **Environmental liens that are filed or recorded against the property (40 CFR 312.25)**

   Did a search of recorded land title records (or judicial records) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☑ NO

2. **Activity and use limitations (AULs) that are in place on the property or that have been filed or records against the property (40 CFR 312.26(a)(1)(v) and (vi))**

   Did a search of recorded land title records (or judicial records) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☑ NO

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   ☐ YES ☑ NO

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)**
   Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
   ☐ YES ☑ NO

---

5. **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30)**
   Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
   ☐ YES ☑ NO

---

a. Do you know the past uses of the property?
   ☐ YES ☑ NO

---

b. Do you know of specific chemicals that are present or once were present at the property?
   ☐ YES ☑ NO

---

c. Do you know of spills or other chemical releases that have taken place at the property?
   ☐ YES ☑ NO

---

d. Do you know of any environmental cleanups that have taken place at the property?
   ☐ YES ☑ NO

---

e. Do you have any prior knowledge that the property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?
   ☐ YES ☑ NO

---

f. Are you aware of historical use of hazardous materials or petroleum products used or present on the property?
   ☐ YES ☑ NO

---

g. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

☐ YES ☑ NO

h. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

☐ YES ☑ NO

6. The degree of obviousness of the presence or likely presence of contamination at the property**, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

☐ YES ☑ NO

Signature of User/Person Interviewed: _____

Name of User/Person Interviewed: Janet Tentler

Title/Relationship to Property: Site Assessor

Phone Number/Email: janet.tentler@gmail.com

Date: 9/23/2021

Contact for additional information:

Name: Janet Tentler

Relationship to Property: Project Manager

Phone Number/Email: 949-724-5923 esimard@intracorphomes.com

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name: 117802 and 17842 Irvine Boulevard		
Property Address: 117802 and 17842 Irvine Boulevard		
City Tustin	State CA	Zip 92780
Assessor's Parcel Number 401-141-13 and 401-141-57		
Property Owner & Contact Information: Tustin Business Center PI Properties		
Date Property Owner Purchased: 2008		
Key Site Manager & Contact Information: Emilie Simard (949) 724-5923 esimard@intracorphomes.com		

2. COMPLETED BY

Signature *Janet Tentler*	Date 9/27/2021
Printed Name Janet Tentler	Relation to Subject Property Site Assessor

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? NA

(If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: 2.068 acres Number of Building(s): Two

Size of Building(s): 44,880 square-foot each

Date of Construction: 1972

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail/Commercial Industrial **Office**

Other: _____

Please provide Rent Roll if Applicable: Pending from Emilie Simard

Historical Use of Property: _____

5. SURROUNDING PROPERTY USES

DIRECTION	USE
North	CITY PARK
South	SINGLE-FAMILY RESIDENTIAL
East	SINGLE-FAMILY RESIDENTIAL
West	COMMERCIAL

Are you aware of any potential environmental concerns associated with surrounding properties?
_____ YES ____X____NO

If yes, please describe: _____

_____

_____

_____

6. UTILITIES & SERVICES

Please provide the name of the utility or contractor providing the following:

Electric	Southern California Edison (SCE)	Bio-hazardous Waste	NA
Gas	Southern California Gas Company	Elevator Maintenance	NA
Potable Water	City of Tustin Water Department	Used Grease	NA
Sanitary Sewer	City of Tustin Water Department	Hazardous Waste	NA

7. ON SITE OPERATIONS

Are you aware of any of the following conditions, either past or present, on the property?		
Condition	**Response**	**If yes, please describe**
1. Stored Chemicals	ÿ Yes x No	
2. Underground Storage Tanks	ÿ Yes x No	
3. Aboveground Storage Tanks	ÿ Yes x No	
4. Spills or Releases	ÿ Yes x No	
5. Dump Areas/Landfills	ÿ Yes x No	
6. Waste Treatment Systems	ÿ Yes x No	
7. Clarifiers/Separators	ÿ Yes x No	
8. Vents/Odors	ÿ Yes x No	
9. Floor Drains/Sumps	ÿ Yes x No	
10. Stained Soil	ÿ Yes x No	
11. Electrical Transformers	x Yes ÿ No	Two SCE Transformers
12. Hydraulic Lifts/Elevators	ÿ Yes ÿ No	
13. Dry Cleaning Operations	ÿ Yes x No	
14. Oil/Gas/Water/Monitoring Wells	ÿ Yes x No	
15. Environmental Permits	ÿ Yes x No	

Site Summary:

Total Homes : 44
10-plex x 4 : 40
4-plex x 1 : 4

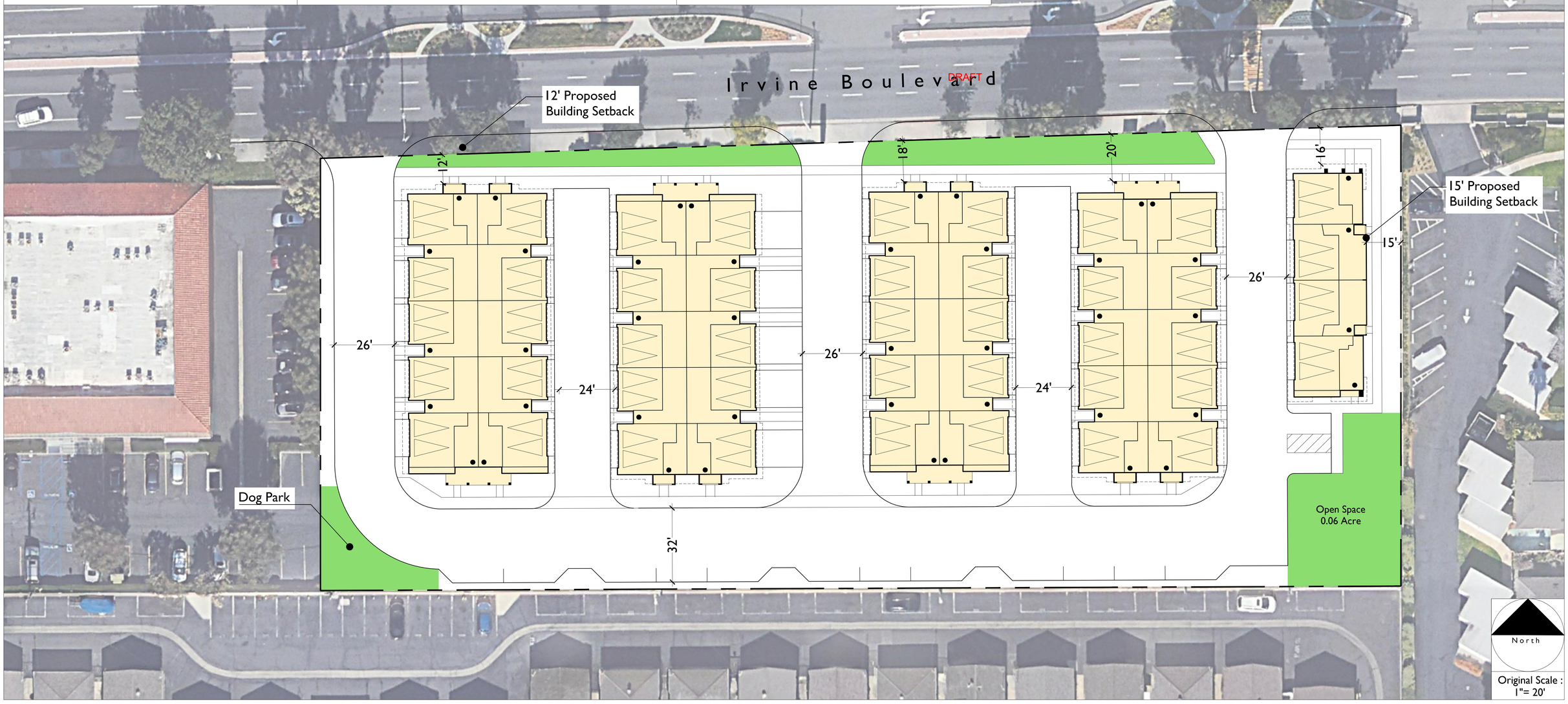
Site Area : ± 2.07 Acres
Density : ± 21.2 Homes/Acre

Parking Required :

Multi-family Housing
2 Covered Spaces/Unit : 2 x 44 = 88
1 Guest Space for every 4 units : 0.25 x 44 = 11
Total Parking Required : 99

Parking Provided :

2 Garage Spaces/Unit = 88 Spaces (2:1)
Head-in Spaces = 2 Spaces
Parallel Spaces = 12 Spaces
102 (2.31:1)



Original Scale : 1"= 20'

CONCEPTUAL SITE PLAN

17802 IRVINE BOULEVARD

Tustin, California

0 10 20 40
SCALE: 1" = 20'-0"

738.21261

07.29.21

Note:
This yield study is for the purpose of estimating the maximum density of a residential product type on a site of a given configuration. If specific entitlement requirements differ from the criteria shown on the plan (such as setbacks, minimum lot sizes, street standards, retention requirements, etc.) then the actual possible density may vary substantially.

Bassenian | Lagoni
ARCHITECTURE • PLANNING • INTERIORS

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2031 Orchard Drive, Suite 100
Newport Beach, CA USA 92660
tel. +1 949 553 9100
fax +1 949 553 0548

INTRACORP
Building the Extraordinary

DRAFT

First American Commitment	ALTA Commitment for Title Insurance ISSUED BY **First American Title Insurance Company** File No: NCS-1078216-SA1

COMMITMENT FOR TITLE INSURANCE

Issued By

FIRST AMERICAN TITLE INSURANCE COMPANY

NOTICE

IMPORTANT-READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACONTRACTUAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON.

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and the Commitment Conditions, ***First American Title Insurance Company***, a Nebraska Corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Policy Amount and the name of the Proposed Insured.

If all of the Schedule B, Part I-Requirements have not been met within six months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

First American Title Insurance Company

Dennis J. Gilmore, President

Greg L. Smith, Secretary

If this jacket was created electronically, it constitutes an original document.

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by First American Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions.

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COMMITMENT CONDITIONS

1. DEFINITIONS

(a) "Knowledge" or "Known": Actual or imputed knowledge, but not constructive notice imparted by the Public Records.
(b) "Land": The land described in Schedule A and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.
(c) "Mortgage": A mortgage, deed of trust, or other security instrument, including one evidenced by electronic means authorized by law.
(d) "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.
(e) "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
(f) "Proposed Policy Amount": Each dollar amount specified in Schedule A as the Proposed Policy Amount of each Policy to be issued pursuant to this Commitment.
(g) "Public Records": Records established under state statutes at the Commitment Date for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge.
(h) "Title": The estate or interest described in Schedule A.

2. If all of the Schedule B, Part I—Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:
(a) the Notice;
(b) the Commitment to Issue Policy;
(c) the Commitment Conditions;
(d) Schedule A;
(e) Schedule B, Part I—Requirements; and
(f) Schedule B, Part II—Exceptions.

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company shall not be liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY

(a) The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
  (i) comply with the Schedule B, Part I—Requirements;
  (ii) eliminate, with the Company's written consent, any Schedule B, Part II—Exceptions; or
  (iii) acquire the Title or create the Mortgage covered by this Commitment.
(b) The Company shall not be liable under Commitment Condition 5(a) if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.
(c) The Company will only have liability under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.
(d) The Company's liability shall not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Conditions 5(a)(i) through 5(a)(iii) or the Proposed Policy Amount.
(e) The Company shall not be liable for the content of the Transaction Identification Data, if any.
(f) In no event shall the Company be obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I—Requirements have been met to the satisfaction of the Company.
(g) In any event, the Company's liability is limited by the terms and provisions of the Policy.

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6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT

(a) Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.
(b) Any claim must be based in contract and must be restricted solely to the terms and provisions of this Commitment.
(c) Until the Policy is issued, this Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.
(d) The deletion or modification of any Schedule B, Part II—Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.
(e) Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.
(f) When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT HAS BEEN ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for the purpose of providing closing or settlement services.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

9. ARBITRATION

Arbitration provision intentionally removed.

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First American

Schedule A

ALTA Commitment for Title Insurance

ISSUED BY

First American Title Insurance Company

File No: NCS-1078216-SA1

Transaction Identification Data for reference only:

Issuing Agent: First American Title Insurance Company National Commercial Services
Commitment No.: NCS-1078216-SA1
Property Address: 17802 and 17842 Irvine Boulevard, Tustin, CA 92780
Revision No.:

Issuing Office: 18500 Von Karman Ave, Suite 600, Irvine, CA 92612
Issuing Office File No.: NCS-1078216-SA1
Escrow Officer/Assistant: /
Phone: /
Email: /
Title Officer/Assistant: Jeffery Paschal/Ryan Achterberg
Phone: (949)885-2481/(949)885-2488
Email: JPaschal@firstam.com/rachterberg@firstam.com

SCHEDULE A

1. Commitment Date: July 09, 2021 at 7:30 AM
2. Policy to be issued:

   (a) ☒ 2006 ALTA® Standard Owner Policy
   Proposed Insured: To Be Determined
   Proposed Policy Amount: $ To Be Determined

   (b) ☒ 2006 ALTA® Extended Loan Policy
   Proposed Insured: To Be Determined
   Proposed Policy Amount: $ To Be Determined

   (c) ☐ 2006 ALTA® Policy
   Proposed Insured:
   Proposed Policy Amount: $

3. The estate or interest in the Land described or referred to in this Commitment is

   A Fee, as to Parcel A and an Easement, as to Parcel B

4. The Title is, at the Commitment Date, vested in:

   Tustin Business Center-PI Properties L.P., a California limited Partnership

5. The Land is described as follows:

   See Exhibit "A" attached hereto and made a part hereof

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First American **Schedule BI & BII**	ALTA Commitment for Title Insurance ISSUED BY **First American Title Insurance Company** File No: NCS-1078216-SA1

Commitment No.: NCS-1078216-SA1

SCHEDULE B, PART I

Requirements

All of the following Requirements must be met:

A. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.

B. Pay the agreed amount for the estate or interest to be insured.

C. Pay the premiums, fees, and charges for the Policy to the Company.

D. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.

E. Releases(s) or Reconveyance(s) of Item(s): None

F. Other: None

G. You must give us the following information:
   a. Any off record leases, surveys, etc.
   b. Statement(s) of Identity, all parties.
   c. Other: None

The following additional requirements, as indicated by "X", must be met:

[X] H. Provide information regarding any off-record matters, which may include, but are not limited to: leases, recent works of improvement, or commitment statements in effect under the Environmental Responsibility Acceptance Act, Civil Code Section 850, et seq.

The Company's Owner's Affidavit form (as provided by the company) must be completed and submitted prior to close in order to satisfy this requirement. This Commitment will then be subject to such further exceptions and/or requirements as may be deemed necessary.

[] I. An ALTA/NSPS survey of recent date, which complies with the current minimum standard detail requirements for ALTA/NSPS land title surveys, must be submitted to the Company for review. This Commitment will then be subject to such further exceptions and/or requirements as may be deemed necessary.

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by First American Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions.

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[] J. The following LLC documentation is required from:

(i) a copy of the Articles of Organization
(ii) a copy of the Operating Agreement, if applicable
(iii) a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State
(iv) express Company Consent to the current transaction

[X] K. The following partnership documentation is required **:**

(i) a copy of the partnership agreement, including all applicable amendments thereto
(ii) a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State
(iii) express Partnership Consent to the current transaction

[] L. The following corporation documentation is required:

(i) a copy of the Articles of Incorporation
(ii) a copy of the Bylaws, including all applicable Amendments thereto
(iii) a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State
(iv) express Corporate Resolution consenting to the current transaction

[X] M. Based upon the Company's review of that certain partnership/operating agreement dated **Not disclosed** for the proposed insured herein, the following requirements must be met:
Any further amendments to said agreement must be submitted to the Company, together with an affidavit from one of the general partners or members stating that it is a true copy, that said partnership or limited liability company is in full force and effect, and that there have been no further amendments to the agreement. This Commitment will then be subject to such further requirements as may be deemed necessary.

[] N. A copy of the complete lease, as referenced in Schedule A, #3 herein, together with any amendments and/or assignments thereto, must be submitted to the Company for review, along with an affidavit executed by the present lessee stating that it is a true copy, that the lease is in full force and effect, and that there have been no further amendments to the lease. This Commitment will then be subject to such further requirements as may be deemed necessary.

[X] O. Approval from the Company's Underwriting Department must be obtained for issuance of the policy contemplated herein and any endorsements requested thereunder. This Commitment will then be subject to such further requirements as may be required to obtain such approval.

[] P. Potential additional requirements, if ALTA Extended coverage is contemplated hereunder, and work on the land has commenced prior to close, some or all of the following requirements, and any other requirements which may be deemed necessary, may need to be met:

[] Q. The Company's "Indemnity Agreement I" must be executed by the appropriate parties.

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[] R. Financial statements from the appropriate parties must be submitted to the Company for review.

[] S. A copy of the construction contract must be submitted to the Company for review.

[] T. An inspection of the Land must be performed by the Company for verification of the phase of construction.

[] U. The Company's "Mechanic's Lien Risk Addendum" form must be completed by a Company employee, based upon information furnished by the appropriate parties involved.

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Schedule BI & BII (Cont.)

Commitment No.: NCS-1078216-SA1

SCHEDULE B, PART II

Exceptions

THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.

The Policy will not insure against loss or damage resulting from the terms and provisions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I-Requirements are met.

2. (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.

3. 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.

4. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.

5. 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.

6. (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.

7. General and special taxes and assessments for the fiscal year 2021-2022, a lien not yet due or payable.

8. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

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DRAFT

9. An easement to construct, maintain and operate a pipe line, recorded April 11, 1927 as Book 33, Page 323 of Official Records.
In Favor of: Santa Ana Valley Irrigation Company, a Corporation
Affects: As described therein

10. An easement for street and highway purposes, recorded May 18, 1965 as Book 7524, Page 32 of Official Records.
In Favor of: City of Tustin
Affects: As described therein

11. An easement for underground telephone, telegraph and communication structures, recorded June 28, 1963 as Book 6611, Page 1 of Official Records.
In Favor of: The Pacific Telephone and Telegraph Company, a corporation
Affects: As described therein

12. An easement for pole lines and incidental purposes, recorded September 23, 1963 as Book 6728, Page 657 of Official Records.
In Favor of: Southern California Edison Company, a corporation
Affects: As described therein

13. An easement for sewer recorded May 19, 1966 as Book 7936, Page 839 of Official Records.
In Favor of: The City of Tustin
Affects: As described therein

14. An easement for sanitary sewer recorded July 30, 1970 as Book 9361, Page 330 of Official Records.
In Favor of: The City of Tustin
Affects: As described therein

15. An easement shown or dedicated on the map of Parcel Map recorded August 21, 1970 and on file in Book 31, Page 14, of Parcel Maps.
For: Drainage, public utility, access and sewer.

16. An easement for ingress, egress, public utilities and drainage purposes, recorded October 30, 1970 as Book 9447, Pages 38 and 40 of Official Records.
In Favor of: Broadmoor Square West, a limited partnership
Affects: As described therein

17. An easement for underground lines, conduits and incidental purposes, recorded March 10, 1971 as Book 9566, Page 941 of Official Records.
In Favor of: Southern California Edison Company
Affects: As described therein

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DRAFT

18. An easement for ingress, egress, public utilities and drainage purposes, recorded April 13, 1972 as Book 10079, Page 700 of Official Records.
In Favor of: Charles F. Greenwood et al.
Affects: As described therein

19. An easement for underground lines and incidental purposes, recorded April 24, 1972 as Book 10094, Page 857 of Official Records.
In Favor of: Southern California Edison Company, a corporation
Affects: As described therein

20. An easement for ingress, egress, public utilities and drainage purposes, recorded February 01, 1973 as Book 10537, Page 797 of Official Records.
In Favor of: Broadmoor Square East, a limited partnership
Affects: As described therein

21. The fact that the land lies within the boundaries of the Tustin Redevelopment Project Area, as disclosed by the document recorded November 29, 1976 as Book 11976, Page 35 of Official Records.

22. The effect of a map purporting to show the land and other property, filed Book 65, Page 5 of Record of Surveys.

23. Survey prepared by Gateway Engineering Inc., dated July 16, 2019, under Job No. 19-060, shows the following:

A. The fact the building encroaches into the easements described in Exceptions 15,16,17,18, and 19 herein.

24. The terms, provisions and easement(s) contained in the document entitled "Agreement for Easement Relocation" recorded July 10, 2020 as Instrument No. 2020-327508 of Official Records.

25. We find no outstanding voluntary liens of record affecting subject property. An inquiry should be made concerning the existence of any unrecorded lien or other indebtedness which could give rise to any security interest in the subject property.

26. Water rights, claims or title to water, whether or not shown by the Public Records.

27. Rights of parties in possession.

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INFORMATIONAL NOTES

ALERT - CA Senate Bill 2 imposes an additional fee of $75 up to $225 at the time of recording on certain transactions effective January 1, 2018. Please contact your First American Title representative for more information on how this may affect your closing.

1. Taxes for proration purposes only for the fiscal year 2020-2021.

First Installment:	$24,471.42, PAID
Second Installment:	$23,963.31, PAID
Tax Rate Area:	13-049
APN:	401-141-13

   (Affects Parcel 2 of Parcel A)

2. Taxes for proration purposes only for the fiscal year 2020-2021.

First Installment:	$25,343.03, PAID
Second Installment:	$24,922.45, PAID
Tax Rate Area:	13-049
APN:	401-141-57

   (Affects Parcel 3 of Parcel A)

3. According to the latest available equalized assessment roll in the office of the county tax assessor, there is located on the land a(n) Commercial Structure known as 17802 and 17842 Irvine Boulevard, Tustin, CA.

4. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

   None

5. This preliminary report/commitment was prepared based upon an application for a policy of title insurance that identified land by street address or assessor's parcel number only. It is the responsibility of the applicant to determine whether the land referred to herein is in fact the land that is to be described in the policy or policies to be issued.

The map attached, if any, may or may not be a survey of the land depicted thereon. First American Title Insurance Company expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of this Commitment or the Policy, if any, to which the map is attached.

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First American

Exhibit A

ISSUED BY
First American Title Insurance Company

File No: NCS-1078216-SA1

File No.: NCS-1078216-SA1

The Land referred to herein below is situated in the City of Tustin, County of Orange, State of California, and is described as follows:

PARCEL A:

PARCELS 2 AND 3 IN THE CITY OF TUSTIN, COUNTY OF ORANGE, STATE OF CALIFORNIA, ON THE MAP FILED IN BOOK 31, PAGE 14 OF PARCEL MAPS, RECORDS OF SAID COUNTY.

PARCEL B:

A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS, PUBLIC UTILITIES AND DRAINAGE PURPOSES OVER, UNDER, ALONG, ACROSS AND THROUGH THE NORTHERLY 25.00 FEET OF THE SOUTHERLY 45.00 FEET OF PARCEL 1 ON THE MAP FILED IN BOOK 31, PAGE 14 OF PARCEL MAPS, RECORDS OF SAID COUNTY.

For conveyancing purposes only: APN 401-141-13 (Parcel 2 of Parcel A) and 401-141-57 (Parcel 3 of Parcel A)

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SHEET 1 OF 1 SHEETS

SCALE: 1" = 60'

PARCEL MAP

R.S.T. 4939

[redacted]

INDEXED

PARTLY IN UNINCORPORATED TERRITORY OF ORANGE COUNTY AND PARTLY IN THE CITY OF TUSTIN, COUNTY OF ORANGE, CALIFORNIA
A PORTION OF A RESUBDIVISION OF RICE'S ADDITION TO TUSTIN, M.R.M. 1-47, AND PORTIONS OF RICE AVENUE AND POPLAR AVENUE, ABANDONED BY RESOLUTIONS OF BOARD OF SUPERVISORS, Vol. 16, Pg. 409, MIN. BOOK OF BOARD OF SUPERVISORS, & M.M. 8-79, RECORDS OF ORANGE COUNTY, CALIFORNIA.

MAY, 1970

GERALD F. OLDENBURG, L.S. 3246

THIS MAP WAS PREPARED UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AT THE REQUEST OF RICHARD B. SMITH IN MAY, 1970. I HEREBY CERTIFY THAT IT CONFORMS TO THE APPROVED TENTATIVE MAP AND THE CONDITIONS OF APPROVAL THEREOF. ALL PROVISIONS OF APPLICABLE STATE LAW AND LOCAL ORDINANCES HAVE BEEN COMPLIED WITH.

GERALD F. OLDENBURG, L.S. 3246

THIS MAP HAS BEEN EXAMINED THIS 5TH DAY OF August, 1970, FOR CONFORMANCE WITH THE REQUIREMENTS OF SECTION 11575 OF THE SUBDIVISION MAP ACT.

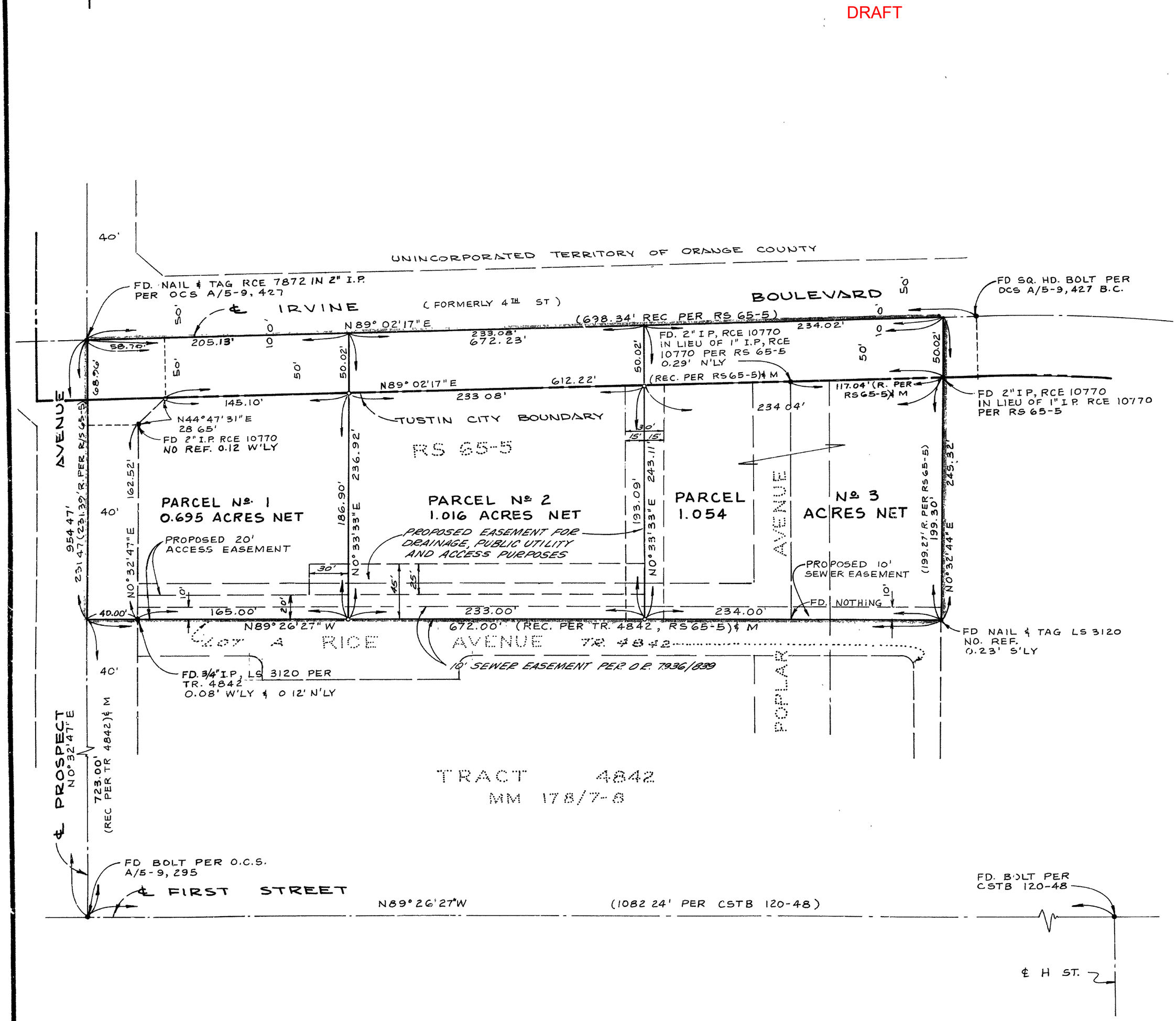
Orville Myers
CITY ENGINEER

EXAMINED AND APPROVED THIS 21ST DAY OF Aug, 1970.

A.S. KOCH
COUNTY SURVEYOR

BY: Robert V Wise
DEPUTY COUNTY SURVEYOR

DRAFT



BASIS OF BEARINGS:
BEARINGS HEREON ARE BASED ON THE ℄ OF IRVINE BLVD. (FORMERLY 4TH ST.) BEING N89° 02' 17" E PER RS 65-5, RECORDS OF ORANGE COUNTY, CALIF.

MONUMENT NOTES:
1. "o" INDICATES SET 2" IRON PIPE TAGGED "LS 3246".
2. "•" INDICATES FOUND MONUMENTS AS NOTED.

JOB # 70-64

ALTA/NSPS LAND TITLE SURVEY

IN THE CITY OF TUSTIN, COUNTY OF ORANGE, STATE OF CALIFORNIA
SURVEYED AND PLATTED IN JUNE 2019 BY GATEWAY ENGINEERING, INC.

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF TUSTIN, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

PARCELS 2 AND 3 IN THE CITY OF TUSTIN, COUNTY OF ORANGE, STATE OF CALIFORNIA, ON THE MAP FILED IN BOOK 31, PAGE 14 OF PARCEL MAPS, RECORDS OF SAID COUNTY.

PARCEL B:

A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS, PUBLIC UTILITIES AND DRAINAGE PURPOSES OVER, UNDER, ALONG, ACROSS AND THROUGH THE NORTHERLY 25.00 FEET OF THE SOUTHERLY 45.00 FEET OF PARCEL 1 ON THE MAP FILED IN BOOK 31, PAGE 14 OF PARCEL MAPS, RECORDS OF SAID COUNTY.

EXCEPTIONS:

EXCEPTIONS LISTED BELOW ARE FROM TITLE REPORT FROM FIRST AMERICAN TITLE COMPANY, ORDER NO. NCS-945284-SA1 DATED MAY 22, 2019

(11) AN EASEMENT FOR CONSTRUCT, MAINTAIN, AND OPERATE OF PIPE LINE AND INCIDENTAL PURPOSES, RECORDED APRIL 11, 1927 AS BOOK 33, PAGE 323 OF OFFICIAL RECORDS.

IN FAVOR OF: SANTA ANA VALLEY IRRIGATION COMPANY, A CORPORATION

(12) AN EASEMENT FOR STREET, HIGHWAY AND INCIDENTAL PURPOSES, RECORDED MAY 18, 1965 AS BOOK 7524, PAGE 32 OF OFFICIAL RECORDS. **(DOES NOT AFFECT PARCELS)**

IN FAVOR OF: THE COUNTY OF ORANGE

(13) AN EASEMENT FOR EITHER OR BOTH POLE LINES CONDUITS AND INCIDENTAL PURPOSES, RECORDED JUNE 28, 1963 AS BOOK 6611, PAGE 1 OF OFFICIAL RECORDS. **(DOES NOT AFFECT PARCELS)**

IN FAVOR OF: THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY, A CORPORATION

(14) AN EASEMENT FOR EITHER OR BOTH POLE LINES, CONDUITS AND INCIDENTAL PURPOSES, RECORDED SEPTEMBER 23, 1963 AS BOOK 6728, PAGE 657 OF OFFICIAL RECORDS.

IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION

(15) AN EASEMENT FOR SEWER AND INCIDENTAL PURPOSES, RECORDED MAY 19, 1966 AS BOOK 7936, PAGE 839 OF OFFICIAL RECORDS.

IN FAVOR OF: THE CITY OF TUSTIN

(16) AN EASEMENT FOR SANITARY SEWER AND INCIDENTAL PURPOSES, RECORDED JULY 30, 1970 AS BOOK 9361, PAGE 330 OF OFFICIAL RECORDS.

IN FAVOR OF: THE CITY OF TUSTIN

(17) AN EASEMENT SHOWN OR DEDICATED ON THE MAP OF PARCEL MAP RECORDED AUGUST 21, 1970 AND ON FILE IN BOOK 31, PAGE 14, OF PARCEL MAPS.

FOR: DRAINAGE, PUBLIC UTILITY, ACCESS AND SEWER AND INCIDENTAL PURPOSES.

(18) AN EASEMENT FOR INGRESS, EGRESS, PUBLIC UTILITIES, DRAINAGE AND INCIDENTAL PURPOSES, RECORDED OCTOBER 30, 1970 AS BOOK 9447, PAGES 38 AND 40 OF OFFICIAL RECORDS.

IN FAVOR OF: BROADMOOR SQUARE WEST, A LIMITED PARTNERSHIP

(19) AN EASEMENT FOR UNDERGROUND LINES, CONDUITS AND INCIDENTAL PURPOSES, RECORDED MARCH 10, 1971 AS BOOK 9566, PAGE 941 OF OFFICIAL RECORDS.

IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY

(20) AN EASEMENT FOR INGRESS, EGRESS, PUBLIC UTILITIES, DRAINAGE AND INCIDENTAL PURPOSES, RECORDED APRIL 13, 1972 AS BOOK 10079, PAGE 700 OF OFFICIAL RECORDS.

IN FAVOR OF: CHARLES F. GREENWOOD

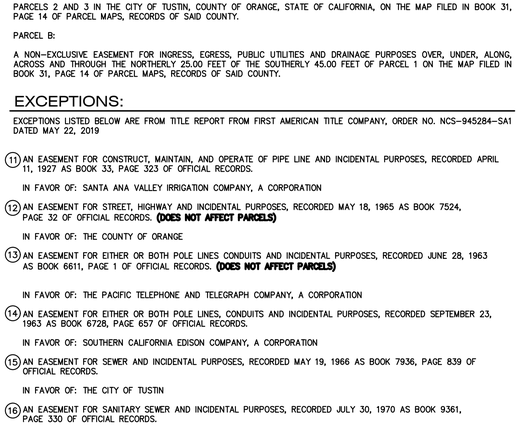
(21) AN EASEMENT FOR UNDERGROUND LINES AND INCIDENTAL PURPOSES, RECORDED APRIL 24, 1972 AS BOOK 10094, PAGE 857 OF OFFICIAL RECORDS.

IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION

(22) AN EASEMENT FOR INGRESS, EGRESS, PUBLIC UTILITIES, DRAINAGE PUMPS AND INCIDENTAL PURPOSES, RECORDED FEBRUARY 01, 1973 AS BOOK 10537, PAGE 797 OF OFFICIAL RECORDS.

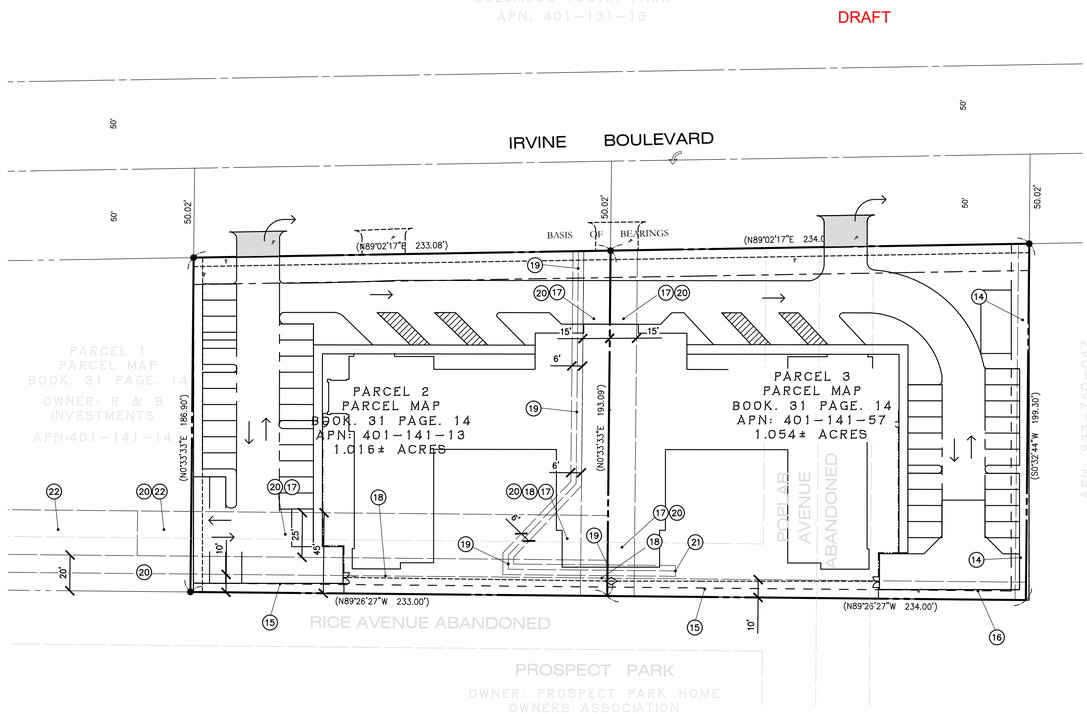
IN FAVOR OF: BROADMOOR SQUARE EAST, A LIMITED PARTNERSHIP**(DOES NOT AFFECT PARCELS)**

(24) THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, FILED BOOK 65, PAGE 5 OF RECORD OF SURVEYS.



VICINITY MAP

NTS SCALE



FLOOD HAZARD ZONE:

AS DELINEATED ON THE FEDERAL INSURANCE ADMINISTRATION'S FLOOD INSURANCE RATE MAP NO. 06059C0164J, EFFECTIVE DATE DECEMBER 3, 2009 CITY OF TUSTIN, CALIFORNIA, ORANGE COUNTY, THE PROPERTY SHOWN ON THIS MAP LIES WITHIN THE FLOOD HAZARD AREA DESIGNATED AS ZONE X (SHADED). AREAS IN ZONE X (SHADED) ARE DETERMINED TO BE AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

LEGEND

- ● MONUMENT FOUND AND ACCEPTED PER PARCEL MAP RECORDED IN BOOK 31 OF PARCEL MAPS AT PAGE 14, ORANGE COUNTY RECORDS
- ( ) RECORD DATA PER PARCEL MAP RECORDED IN BOOK 31 OF PARCEL MAPS AT PAGE 14, ORANGE COUNTY RECORDS

BASIS OF BEARINGS

THE NORTH LINE OF PARCEL 2 AND 3 RECORDED IN BOOK 31 OF PARCEL MAPS AT PAGE 14, ORANGE COUNTY RECORDS TAKEN TO BE NORTH 89°02'17" EAST.

SURVEYOR'S STATEMENT:

I HEREBY CERTIFY TO ARTIS SENIOR LIVING OF TUSTIN, LLC A CALIFORNIA LIMITED LIABILITY CORPORATION, FIRST AMERCAN TITLE INSURANCE COMPANY, ITS SUCCESSORS AND/OR ASSIGNS. THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, (IN SQUARE FEET OR ACRES), 5, 6, 8, 11, 14, 15, 16, 17, 19 OF THE TABLE A THEREOF.

THE FIELD WORK WAS COMPLETED ON JUNE 30, 2019.

LICENSED LAND SURVEYOR
JOSEPH D. DAGGETT
L.S. 8861
STATE OF CALIFORNIA

BY: JOSEPH D. DAGGETT, PLS 8861

DATED:

SITE INFORMATION:

1. SITE ADDRESS: 17802 & 17842 IRVINE BOULEVARD, TUSTIN CA
2. APN: 401-141-13 & 401-141-57
3. RECORD OWNER: TUSTIN BUSINESS CENTER PI PROPERTIES
4. TOTAL SITE AREA: 1.016± ACRES / 44,257± SF & 1.054± ACRES / 45,912± SF
5. ZONING: C1-RETAIL COMMERCIAL

LOT AREA.
EACH LOT SHALL CONTAIN A MINIMUM AREA OF FIVE THOUSAND (5,000) SQUARE FEET.

LOT WIDTH.
THE MINIMUM LOT WIDTH SHALL NOT BE LESS THAN FIFTY (50) FEET.

BUILDING HEIGHT LIMITS.
MAXIMUM PERMITTED HEIGHT SHALL NOT EXCEED THIRTY-FIVE (35) FEET. FRONT YARD.

FRONT YARD.
NO SETBACK REQUIRED.

SIDE YARDS.
NO SETBACK 10 FEET WHEN PROPERTY ABUTS "R" DISTRICT.

REAR YARD.
NO SETBACK 10 FEET WHEN PROPERTY ABUTS "R" DISTRICT.

1. OFFICE DEVELOPMENTS WITHIN THE RETAIL COMMERCIAL DISTRICT (C1) SHALL BE CONSTRUCTED TO CONFORM WITH THE PARKING STANDARDS FOR RETAIL COMMERCIAL USES ON THE FIRST FLOOR AREA OF THE BUILDING UNLESS OTHERWISE SPECIFICALLY EXEMPTED PURSUANT TO THE APPROVED CONDITIONAL USE PERMIT.
2. FINDINGS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING, SHALL BE MADE BY THE PLANNING COMMISSION PRIOR TO APPROVING A CONDITIONAL USE PERMIT FOR CONSTRUCTION OF A BUILDING WHERE GREATER THAN FIFTY (50) PERCENT OF THE TOTAL FLOOR AREA, OR ANY PORTION OF THE GROUND FLOOR AREA IS DESIGNATED FOR OFFICE USE. (A) DEVELOPMENT OR CONSTRUCTION OF PROFESSIONAL OR GENERAL OFFICE BUILDINGS WOULD BE MORE COMPATIBLE WITH THE SURROUNDING USES IN THE AREA THAN PERMITTED RETAIL COMMERCIAL USES ON THE SUBJECT PROPERTY.
3. DEVELOPMENT OR CONSTRUCTION OF BUILDINGS RESTRICTED TO A MIXTURE OF USES IN WHICH THE RETAIL COMMERCIAL FLOOR AREA EXCEEDS FIFTY (50) PERCENT OF THE TOTAL FLOOR AREA IS EXEMPT FROM OFFICE DEVELOPMENT USE CRITERIA.

6. THERE IS NO EVIDENCE OF RECENT EARTH MOVING WORK OR BUILDING CONSTRUCTION ON PROPERTY.
7. NO OBSERVABLE EVIDENCE TO INDICATE THE SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.
8. NO WETLANDS, PONDS, LAKES, SPRINGS OR RIVERS BORDER ON OR RUN THROUGH PROPERTY.
9. NO OBSERVABLE EVIDENCE OF CEMETERY OR BURIAL SITE ON PROPERTY.
10. NO CHANGES IN STREET RIGHT-OF-WAY LINES EITHER COMPLETED OR PROPOSED, AND AVAILABLE FROM THE CONTROLLING JURISDICTION.
11. THE PROPERTY DESCRIBED AND SHOWN ON THIS SURVEY IS THE SAME PROPERTY DESCRIBED IN THE TITLE REPORT FROM FIRST AMERICAN TITLE COMPANY, FILE NO. NCS-945284-SA1 DATED AUGUST 01, 2016.
12. THE SURVEYED PROPERTY PHYSICALLY ABUTS AND DOES HAVE DIRECT ACCESS TO (IRVINE BOULEVARD) AND PROSPECT AVENUE.



BOUNDARY MAP
SCALE 1" = 40'

GATEWAY ENGINEERING, INC.
CIVIL ENGINEERS | LAND SURVEYORS
P: 559-320-0344 | F: 559-320-0345 | WWW.GATEWAYENG.COM
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DATE: 7/16/2019

REV No.	DESCRIPTION	DATE

ENGINEER: J.DAGGETT
LICENSE NO: 8861
DRAWN BY: JBL
CHECKED BY: JDD
SCALE: AS SHOWN
PROJECT NO: 19-060
SHEET 1OF2

7/17/2019 1:04:42 PM K:\GATEWAY PROJECTS\19_PROJECTS\19-060 ARTIS - TUSTIN\SURVEY\19-060-ALTA-UNIT-JDD DAGGETT

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APPENDIX C: REGULATORY DATABASE REPORT

DRAFT

17802 and 17842 Irvine Boulevard
17802 and 17842 Irvine Boulevard
Tustin, CA 92780

Inquiry Number: 6651002.2s
September 08, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

DRAFT

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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 (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

17802 AND 17842 IRVINE BOULEVARD
TUSTIN, CA 92780

COORDINATES

Latitude (North):	33.7480810 - 33° 44' 53.09''
Longitude (West):	117.8204400 - 117° 49' 13.58''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	424008.5
UTM Y (Meters):	3734333.0
Elevation:	138 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640942 TUSTIN, CA
Version Date:	2012
North Map:	5641308 ORANGE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140514, 20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
17802 AND 17842 IRVINE BOULEVARD
TUSTIN, CA 92780

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MEIER CHIROPRACTIC	17842 IRVINE BLVD, #	HAZNET, HWTS		TP
A2	BARBARA SPROAT	362 PROSPECT PARK	RCRA NonGen / NLR	Lower	69, 0.013, SSW
B3	VGPT LLC	14982 POSPECT AVE.	RCRA NonGen / NLR	Higher	194, 0.037, WNW
4	JOHN OLSEN	311 PROSPECT PARK	RCRA NonGen / NLR	Lower	220, 0.042, SSW
5	MARIE STAPLETON	170 ORANGEWOOD LANE	RCRA NonGen / NLR	Higher	413, 0.078, WSW
B6	MAGNOLIA PLAZA	17731 IRVINE BLVD.	RCRA NonGen / NLR	Higher	437, 0.083, West
C7	GEARS OVER GRAVITY I	115 N PROSPECT AVE	RCRA NonGen / NLR	Lower	478, 0.091, SW
D8	SERVICE FIRST	18001 IRVINE BLVD	RCRA NonGen / NLR, FINDS, ECHO	Lower	572, 0.108, ENE
D9	KJ AUTO TRANS INC	18001 IRVINE BLVD ST	EDR Hist Auto	Lower	572, 0.108, ENE
E10	JAMES STEWART	453 EAST 1ST ST	RCRA NonGen / NLR	Lower	649, 0.123, SSE
D11	WILL BUCHER	18031 IRVINE BLVD, U	RCRA NonGen / NLR	Lower	671, 0.127, ENE
12	CARLOS & YVONNE GIRO	17721 MILLER DR	RCRA NonGen / NLR	Higher	681, 0.129, WNW
C13	MOBIL OIL	171 1ST	LUST, Cortese, HIST CORTESE, CERS	Lower	685, 0.130, SW
C14	STEVEN L KELSO	171 E FIRST ST	HIST UST, CHMIRS	Lower	718, 0.136, SW
C15	MOBIL #18-H7H	171 E 1ST ST	LUST, SWEEPS UST, CA FID UST	Lower	718, 0.136, SW
C16	STEVEN L. KELSO	171 E 1ST ST	HIST UST	Lower	718, 0.136, SW
F17	BIG O TIRES #5825	131 E 1ST ST	CERS HAZ WASTE, CERS	Lower	764, 0.145, SW
F18	BIG O TIRES	131 E FIRST ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	764, 0.145, SW
F19	GOLDEN WEST TIRES CE	131 E 1ST ST	RCRA NonGen / NLR	Lower	764, 0.145, SW
E20	NEWCLEANER LLC DBA S	410 E 1ST ST	DRYCLEANERS, EMI, HWTS	Lower	800, 0.152, SSE
E21	C&S SERVICES LLC DBA	410 E 1ST ST	DRYCLEANERS, HWTS	Lower	800, 0.152, SSE
E22	NEWCLEANER LLC	410 E FIRST ST	DRYCLEANERS	Lower	800, 0.152, SSE
G23	TUSTIN PLAZA AUTO WA	240 E. FIRST ST.	UST	Lower	878, 0.166, SSW
G24	TUSTIN PLAZA AUTO WA	240 E 1ST ST	SWEEPS UST	Lower	878, 0.166, SSW
G25	TUSTIN PLAZA AUTO WA	240 E 1ST ST	CA FID UST	Lower	878, 0.166, SSW
G26	MOUNTAINVIEW TIRE AN	135 S PROSPECT AVE	CERS HAZ WASTE, CERS	Lower	941, 0.178, SSW
G27	MT VIEW TIRE SERVICE	135 S PROSPECT	RCRA NonGen / NLR	Lower	941, 0.178, SSW
H28	O'REILLY AUTO PARTS	510 E 1ST ST	CERS HAZ WASTE, HAZNET, CERS, HWTS	Lower	946, 0.179, SE
H29	O'REILLY AUTO PARTS	510 E 1ST ST	RCRA NonGen / NLR	Lower	946, 0.179, SE
H30	SALLY BEAUTY SUPPLIE	518 E 1ST ST	CERS HAZ WASTE, HAZNET, HWTS	Lower	961, 0.182, SE
H31	SALLY BEAUTY SUPPLIE	518 E 1ST ST	RCRA NonGen / NLR	Lower	961, 0.182, SE
H32	BIG 5 SPORTING GOODS	520 E 1ST ST	RCRA NonGen / NLR	Lower	964, 0.183, SE
H33	BIG 5 SPORTING GOODS	520 E 1ST ST	CERS HAZ WASTE, HAZNET, HWTS	Lower	964, 0.183, SE
H34	LARWIN SQUARE CLEANE	540 E FIRST ST	DRYCLEANERS	Lower	999, 0.189, SE
H35	LARWIN SQUARE CLEANE	540 E 1ST ST	DRYCLEANERS	Lower	999, 0.189, SE
H36	LARWIN SQUARE CLEANE	540 E FIRST ST	DRYCLEANERS	Lower	999, 0.189, SE
H37	LARWIN SQUARE CLEANE	546 E FIRST ST	DRYCLEANERS	Lower	1010, 0.191, SE
H38	PAM PACIFIC RETAIL P	546 E FIRST ST	RCRA-SQG	Lower	1010, 0.191, SE
H39	LARWIN SQUARE - FORM	546 EAST 1ST STREET	CPS-SLIC, CERS	Lower	1010, 0.191, SE

MAPPED SITES SUMMARY

Target Property Address:
17802 AND 17842 IRVINE BOULEVARD
TUSTIN, CA 92780

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	LARWIN SQUARE CLEANE	546 E 1ST	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Lower	1010, 0.191, SE
H41	LARWIN SQUARE/FORMER	546 E FIRST	CPS-SLIC	Lower	1010, 0.191, SE
42	B AND B MEDICAL INCI	140 S CENTENNIAL WAY	RCRA NonGen / NLR, FINDS, ECHO	Lower	1047, 0.198, SSE
I43	MARLENE A MILLER DMD	18102 IRVINE BLVD ST	RCRA NonGen / NLR	Lower	1067, 0.202, East
I44	VISTA IMAGING CTR	18102 IRVINE BLVD ST	RCRA-SQG	Lower	1067, 0.202, East
J45	ECONO LUBE N TUNE NO	155 W 1ST ST	RCRA-SQG, CA FID UST, FINDS, ECHO	Higher	1119, 0.212, WSW
J46	ECONO LUBE N TUNE #7	155 W 1ST ST	UST, SWEEPS UST	Higher	1119, 0.212, WSW
K47	RITE AID #5755	630 E 1ST ST	RCRA-LQG, HAZNET, HWTS	Lower	1190, 0.225, SE
K48	RITE AID #5755	630 E 1ST ST	CERS HAZ WASTE, HAZNET	Lower	1190, 0.225, SE
49	BOULGER, TOM	17711 AMAGANSET WAY	RCRA NonGen / NLR	Higher	1282, 0.243, NNW
L50	TUSTIN USD HIGH SCHO	SW OF INTERSECTION O	ENVIROSTOR, SCH	Lower	1835, 0.348, ESE
L51	PROPOSED TUSTIN ES-M	NEWPORT FREEWAY AT E	ENVIROSTOR, SCH	Lower	1835, 0.348, ESE
L52	UNOCAL #5386	13348 NEWPORT AVE	LUST, UST, SWEEPS UST, Cortese, CERS	Lower	1875, 0.355, ESE
M53	SUPER STOP	395 FIRST	LUST, Cortese, CERS	Higher	1893, 0.359, WSW
N54	L A GLORY 661 INC.	13561 NEWPORT AVE	LUST, UST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS,	Lower	1894, 0.359, SSE
M55	SUPER STOP	395 W FIRST ST	LUST, WDS	Higher	1907, 0.361, WSW
L56	UNOCAL #5386	13348 NEWPORT AVE	CA FID UST, HIST CORTESE, CERS	Lower	1950, 0.369, ESE
L57	UNOCAL	13348 NEWPORT AVE	LUST	Lower	1950, 0.369, ESE
N58	TUSTIN AUTO WASH	535 MAIN	LUST, CA FID UST, Cortese, HIST CORTESE, CERS	Lower	1991, 0.377, SSE
59	EDS ARCO STATION	13662 NEWPORT	LUST, Cortese, HIST CORTESE, CERS	Lower	2330, 0.441, SSE
60	CHEVRON #9-8149	13052 NEWPORT AVE	ENVIROSTOR, LUST, CA FID UST, Cortese, HIST...	Lower	2799, 0.530, East
61	WESTERN MEDICAL CTR	1001 N TUSTIN	ENVIROSTOR, CERS HAZ WASTE, SWEEPS UST, HIST UST,...	Higher	4331, 0.820, WNW
62	TUSTIN'S FRENCH QUAR	17301 17TH STREET	ENVIROSTOR, VCP	Higher	4709, 0.892, NNW
63	CARIOCA CLEANERS	13844 REDHILL AVE	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, DRYCLEANERS,...	Lower	4986, 0.944, SSE

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
MEIER CHIROPRACTIC 17842 IRVINE BLVD, # TUSTIN, CA 92680	HAZNET GEPAID: CAL000141300 HWTS	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

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds 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

EXECUTIVE SUMMARY

HIST Cal-Sites	Historical Calsites Database
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CERS TANKS	California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

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
Orange Co. Industrial Site	List of Industrial Site Cleanups
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
UXO ---- Unexploded Ordnance Sites
ECHO ---- Enforcement & Compliance History Information
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
CUPA Listings ---- CUPA Resources List
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
ICE ---- ICE
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
UIC GEO ---- UIC GEO (GEOTRACKER)
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WDR ---- Waste Discharge Requirements Listing
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List

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

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #5755 EPA ID:: CAR000213173	***630 E 1ST ST***	***SE 1/8 - 1/4 (0.225 mi.)***	***K47***	***139***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECONO LUBE N TUNE NO EPA ID:: CAD103118477	***155 W 1ST ST***	***WSW 1/8 - 1/4 (0.212 mi.)***	***J45***	***134***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PAM PACIFIC RETAIL P EPA ID:: CAR000146126	546 E FIRST ST	SE 1/8 - 1/4 (0.191 mi.)	H38	115
LARWIN SQUARE CLEANE	***546 E 1ST***	***SE 1/8 - 1/4 (0.191 mi.)***	***H40***	***119***

EXECUTIVE SUMMARY

EPA ID:: CAR000002345				
VISTA IMAGING CTR EPA ID:: CAD983633421	18102 IRVINE BLVD ST	E 1/8 - 1/4 (0.202 mi.)	I44	131

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/23/2021 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN MEDICAL CTR Facility Id: 71002574 Status: Inactive - Needs Evaluation	***1001 N TUSTIN***	***WNW 1/2 - 1 (0.820 mi.)***	***61***	***286***
TUSTIN'S FRENCH QUAR Facility Id: 60001388 Status: No Further Action	***17301 17TH STREET***	***NNW 1/2 - 1 (0.892 mi.)***	***62***	***369***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUSTIN USD HIGH SCHO Facility Id: 70000180 Status: No Further Action	***SW OF INTERSECTION O***	***ESE 1/4 - 1/2 (0.348 mi.)***	***L50***	***203***
PROPOSED TUSTIN ES-M Facility Id: 70000181 Status: No Further Action	***NEWPORT FREEWAY AT E***	***ESE 1/4 - 1/2 (0.348 mi.)***	***L51***	***207***
CHEVRON #9-8149 Facility Id: 30530001 Status: Refer: 1248 Local Agency	***13052 NEWPORT AVE***	***E 1/2 - 1 (0.530 mi.)***	***60***	***277***
CARIOCA CLEANERS Facility Id: 30720010 Status: Refer: 1248 Local Agency	***13844 REDHILL AVE***	***SSE 1/2 - 1 (0.944 mi.)***	***63***	***372***

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 9 LUST sites within

approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPER STOP	***395 FIRST***	***WSW 1/4 - 1/2 (0.359 mi.)***	***M53***	***213***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 06/03/2021 Status: Completed - Case Closed Facility Status: Remediation Plan Global Id: T0605999010 Global ID: T0605999010				
SUPER STOP	***395 W FIRST ST***	***WSW 1/4 - 1/2 (0.361 mi.)***	***M55***	***256***
Database: ORANGE CO. LUST, Date of Government Version: 03/01/2021 Facility Id: 99UT022				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL OIL	***171 1ST***	***SW 1/8 - 1/4 (0.130 mi.)***	***C13***	***35***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 06/03/2021 Status: Completed - Case Closed Facility Status: Case Closed Global Id: T0605901987 Global Id: T0605900622 Global ID: T0605900622				
MOBIL #18-H7H	***171 E 1ST ST***	***SW 1/8 - 1/4 (0.136 mi.)***	***C15***	***45***
Database: ORANGE CO. LUST, Date of Government Version: 03/01/2021 Facility Id: 98UT026 Facility Id: 88UT026				
UNOCAL #5386	***13348 NEWPORT AVE***	***ESE 1/4 - 1/2 (0.355 mi.)***	***L52***	***209***
Database: ORANGE CO. LUST, Date of Government Version: 03/01/2021 Database: LUST, Date of Government Version: 06/03/2021 Status: Completed - Case Closed Facility Id: 91UT131 Global Id: T0605901349				
L A GLORY 661 INC.	***13561 NEWPORT AVE***	***SSE 1/4 - 1/2 (0.359 mi.)***	***N54***	***220***
Database: ORANGE CO. LUST, Date of Government Version: 03/01/2021 Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 06/03/2021 Status: Completed - Case Closed Facility Id: 05UT008 Facility Status: Pollution Characterization Global Id: T0605984477 Global ID: T0605902351				
UNOCAL	13348 NEWPORT AVE	ESE 1/4 - 1/2 (0.369 mi.)	L57	262
Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Post remedial action monitoring Global ID: T0605901349				
TUSTIN AUTO WASH	***535 MAIN***	***SSE 1/4 - 1/2 (0.377 mi.)***	***N58***	***263***
Database: ORANGE CO. LUST, Date of Government Version: 03/01/2021 Database: LUST, Date of Government Version: 06/03/2021 Status: Completed - Case Closed Facility Id: 99UT049 Global Id: T0605902351				
EDS ARCO STATION	***13662 NEWPORT***	***SSE 1/4 - 1/2 (0.441 mi.)***	***59***	***273***
Database: ORANGE CO. LUST, Date of Government Version: 03/01/2021 Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 06/03/2021				

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Facility Id: 89UT100
Facility Status: Case Closed
Global Id: T0605900983
Global ID: T0605900983

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LARWIN SQUARE - FORM	***546 EAST 1ST STREET***	***SE 1/8 - 1/4 (0.191 mi.)***	***H39***	***118***
Database: CPS-SLIC, Date of Government Version: 06/03/2021 Facility Status: Completed - Case Closed Global Id: SL0605949804				
LARWIN SQUARE/FORMER	546 E FIRST	SE 1/8 - 1/4 (0.191 mi.)	H41	126
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Additional Characterization Underway				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECONO LUBE N TUNE #7	***155 W 1ST ST***	***WSW 1/8 - 1/4 (0.212 mi.)***	***J46***	***139***
Database: UST, Date of Government Version: 06/03/2021 Facility Id: 3245				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUSTIN PLAZA AUTO WA	240 E. FIRST ST.	SSW 1/8 - 1/4 (0.166 mi.)	G23	67
Database: ORANGE CO. UST, Date of Government Version: 04/29/2021 Facility Id: FA0050767				

EXECUTIVE SUMMARY

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 04/19/2021 has revealed that there are 6 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BIG O TIRES #5825	***131 E 1ST ST***	***SW 1/8 - 1/4 (0.145 mi.)***	***F17***	***48***
MOUNTAINVIEW TIRE AN	***135 S PROSPECT AVE***	***SSW 1/8 - 1/4 (0.178 mi.)***	***G26***	***69***
O'REILLY AUTO PARTS	***510 E 1ST ST***	***SE 1/8 - 1/4 (0.179 mi.)***	***H28***	***77***
SALLY BEAUTY SUPPLIE	***518 E 1ST ST***	***SE 1/8 - 1/4 (0.182 mi.)***	***H30***	***90***
BIG 5 SPORTING GOODS	***520 E 1ST ST***	***SE 1/8 - 1/4 (0.183 mi.)***	***H33***	***104***
RITE AID #5755	***630 E 1ST ST***	***SE 1/8 - 1/4 (0.225 mi.)***	***K48***	***178***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECONO LUBE N TUNE #7	***155 W 1ST ST***	***WSW 1/8 - 1/4 (0.212 mi.)***	***J46***	***139***
Status: A Tank Status: A Comp Number: 3245				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-H7H	***171 E 1ST ST***	***SW 1/8 - 1/4 (0.136 mi.)***	***C15***	***45***
Status: A Tank Status: A Comp Number: 2281				
TUSTIN PLAZA AUTO WA	240 E 1ST ST	SSW 1/8 - 1/4 (0.166 mi.)	G24	67
Status: A Tank Status: A Comp Number: 12220				

EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STEVEN L KELSO	***171 E FIRST ST***	***SW 1/8 - 1/4 (0.136 mi.)***	***C14***	***43***
STEVEN L. KELSO Facility Id: 00000039359	171 E 1ST ST	SW 1/8 - 1/4 (0.136 mi.)	C16	47

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECONO LUBE N TUNE NO Facility Id: 30008889 Status: A	***155 W 1ST ST***	***WSW 1/8 - 1/4 (0.212 mi.)***	***J45***	***134***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-H7H Facility Id: 30001621 Status: A	***171 E 1ST ST***	***SW 1/8 - 1/4 (0.136 mi.)***	***C15***	***45***
TUSTIN PLAZA AUTO WA Facility Id: 30017688 Status: A	240 E 1ST ST	SSW 1/8 - 1/4 (0.166 mi.)	G25	68

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 03/22/2021 has revealed that there are 19 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VGPT LLC EPA ID:: CAC002986626	14982 POSPECT AVE.	WNW 0 - 1/8 (0.037 mi.)	B3	12
MARIE STAPLETON EPA ID:: CAC003050015	170 ORANGEWOOD LANE	WSW 0 - 1/8 (0.078 mi.)	5	17
MAGNOLIA PLAZA	17731 IRVINE BLVD.	W 0 - 1/8 (0.083 mi.)	B6	20
CARLOS & YVONNE GIRO EPA ID:: CAC003013195	17721 MILLER DR	WNW 1/8 - 1/4 (0.129 mi.)	12	33
BOULGER, TOM	17711 AMAGANSET WAY	NNW 1/8 - 1/4 (0.243 mi.)	49	200

EXECUTIVE SUMMARY

EPA ID:: CAC002988211

Lower Elevation	Address	Direction / Distance	Map ID	Page
BARBARA SPROAT EPA ID:: CAC003026980	362 PROSPECT PARK	SSW 0 - 1/8 (0.013 mi.)	A2	10
JOHN OLSEN	311 PROSPECT PARK	SSW 0 - 1/8 (0.042 mi.)	4	15
GEARS OVER GRAVITY I EPA ID:: CAL000441907	115 N PROSPECT AVE	SW 0 - 1/8 (0.091 mi.)	C7	22
SERVICE FIRST EPA ID:: CAD983620626	***18001 IRVINE BLVD***	***ENE 0 - 1/8 (0.108 mi.)***	***D8***	***25***
JAMES STEWART EPA ID:: CAC003052749	453 EAST 1ST ST	SSE 0 - 1/8 (0.123 mi.)	E10	28
WILL BUCHER	18031 IRVINE BLVD, U	ENE 1/8 - 1/4 (0.127 mi.)	D11	30
BIG O TIRES EPA ID:: CAD981667884	***131 E FIRST ST***	***SW 1/8 - 1/4 (0.145 mi.)***	***F18***	***54***
GOLDEN WEST TIRES CE EPA ID:: CAL000383795	131 E 1ST ST	SW 1/8 - 1/4 (0.145 mi.)	F19	57
MT VIEW TIRE SERVICE EPA ID:: CAL000213137	135 S PROSPECT	SSW 1/8 - 1/4 (0.178 mi.)	G27	75
O'REILLY AUTO PARTS EPA ID:: CAL000393424	510 E 1ST ST	SE 1/8 - 1/4 (0.179 mi.)	H29	87
SALLY BEAUTY SUPPLIE EPA ID:: CAL000411425	518 E 1ST ST	SE 1/8 - 1/4 (0.182 mi.)	H31	99
BIG 5 SPORTING GOODS EPA ID:: CAL000410102	520 E 1ST ST	SE 1/8 - 1/4 (0.183 mi.)	H32	102
B AND B MEDICAL INCI EPA ID:: CAD982523383	***140 S CENTENNIAL WAY***	***SSE 1/8 - 1/4 (0.198 mi.)***	***42***	***126***
MARLENE A MILLER DMD EPA ID:: CAL000355628	18102 IRVINE BLVD ST	E 1/8 - 1/4 (0.202 mi.)	I43	129

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/22/2021 has revealed that there are 6 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPER STOP Cleanup Status: COMPLETED - CASE CLOSED	***395 FIRST***	***WSW 1/4 - 1/2 (0.359 mi.)***	***M53***	***213***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL OIL Cleanup Status: COMPLETED - CASE CLOSED	***171 1ST***	***SW 1/8 - 1/4 (0.130 mi.)***	***C13***	***35***
UNOCAL #5386 Cleanup Status: COMPLETED - CASE CLOSED	***13348 NEWPORT AVE***	***ESE 1/4 - 1/2 (0.355 mi.)***	***L52***	***209***
L A GLORY 661 INC.	***13561 NEWPORT AVE***	***SSE 1/4 - 1/2 (0.359 mi.)***	***N54***	***220***

EXECUTIVE SUMMARY

Cleanup Status: COMPLETED - CASE CLOSED

TUSTIN AUTO WASH	***535 MAIN***	***SSE 1/4 - 1/2 (0.377 mi.)***	***N58***	***263***
Cleanup Status: COMPLETED - CASE CLOSED				
EDS ARCO STATION	***13662 NEWPORT***	***SSE 1/4 - 1/2 (0.441 mi.)***	***59***	***273***
Cleanup Status: COMPLETED - CASE CLOSED				

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 are 7 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWCLEANER LLC DBA S	***410 E 1ST ST***	***SSE 1/8 - 1/4 (0.152 mi.)***	***E20***	***60***
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 05/18/2021				
Database: DRYCLEANERS, Date of Government Version: 05/25/2021				
EPA Id: CAL000402266				
C&S SERVICES LLC DBA	***410 E 1ST ST***	***SSE 1/8 - 1/4 (0.152 mi.)***	***E21***	***65***
Database: DRYCLEANERS, Date of Government Version: 05/25/2021				
EPA Id: CAL000461528				
NEWCLEANER LLC	410 E FIRST ST	SSE 1/8 - 1/4 (0.152 mi.)	E22	66
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 05/18/2021				
LARWIN SQUARE CLEANE	540 E FIRST ST	SE 1/8 - 1/4 (0.189 mi.)	H34	111
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 05/18/2021				
LARWIN SQUARE CLEANE	540 E 1ST ST	SE 1/8 - 1/4 (0.189 mi.)	H35	112
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 05/18/2021				
Database: DRYCLEANERS, Date of Government Version: 05/25/2021				
EPA Id: CAL000299744				
LARWIN SQUARE CLEANE	540 E FIRST ST	SE 1/8 - 1/4 (0.189 mi.)	H36	114
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 05/18/2021				
LARWIN SQUARE CLEANE	546 E FIRST ST	SE 1/8 - 1/4 (0.191 mi.)	H37	114
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 05/18/2021				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 HIST CORTESE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL OIL	***171 1ST***	***SW 1/8 - 1/4 (0.130 mi.)***	***C13***	***35***
Reg Id: 083000784T				
Reg Id: 083002899T				
UNOCAL #5386	***13348 NEWPORT AVE***	***ESE 1/4 - 1/2 (0.369 mi.)***	***L56***	***257***

EXECUTIVE SUMMARY

Reg Id: 083001807T				
TUSTIN AUTO WASH	***535 MAIN***	***SSE 1/4 - 1/2 (0.377 mi.)***	***N58***	***263***
Reg Id: 083003629T				
EDS ARCO STATION	***13662 NEWPORT***	***SSE 1/4 - 1/2 (0.441 mi.)***	***59***	***273***
Reg Id: 083001279T				

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.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KJ AUTO TRANS INC	18001 IRVINE BLVD ST	ENE 0 - 1/8 (0.108 mi.)	D9	28

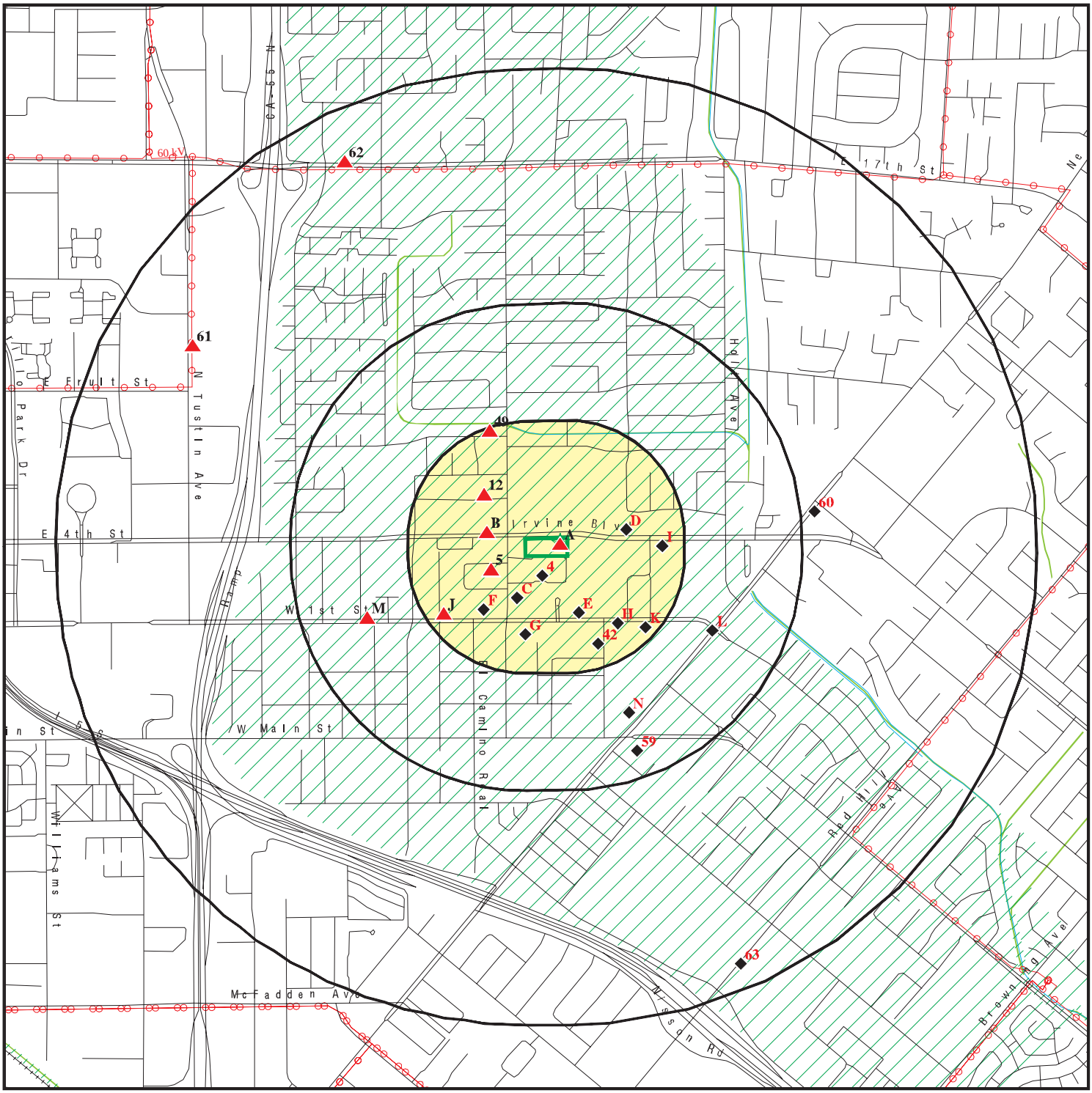
EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 11 records.

Site Name	Database(s)
WILBUR ELLIS CO	SWF/LF, HAZNET, HWTS
CARICH ENTERPRISES, INC.	CERS HAZ WASTE
ARCO #0206	LUST, HIST CORTESE
	CDL
LA PALMA DUMP	SWF/LF
JEFFERY ROAD ROCK PLANT	SWF/LF
FOSTER SAND & GRAVEL	SWF/LF
CALMET/CONROCK QUARRY	SWF/LF
ORANGE CITY DUMP #2 SANTA ANA RIVE	SWF/LF
INTERSTATE ENVIRONMENTAL SERVICES	LUST
USMCAS TUSTIN-MOFFET TRENCHES	CPS-SLIC

DRAFT

OVERVIEW MAP - 6651002.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 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:	17802 and 17842 Irvine Boulevard	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	17802 and 17842 Irvine Boulevard Tustin CA 92780	CONTACT:	Evelyn Perez
LAT/LONG:	33.748081 / 117.82044	INQUIRY #:	6651002.2s
		DATE:	September 08, 2021 8:38 am

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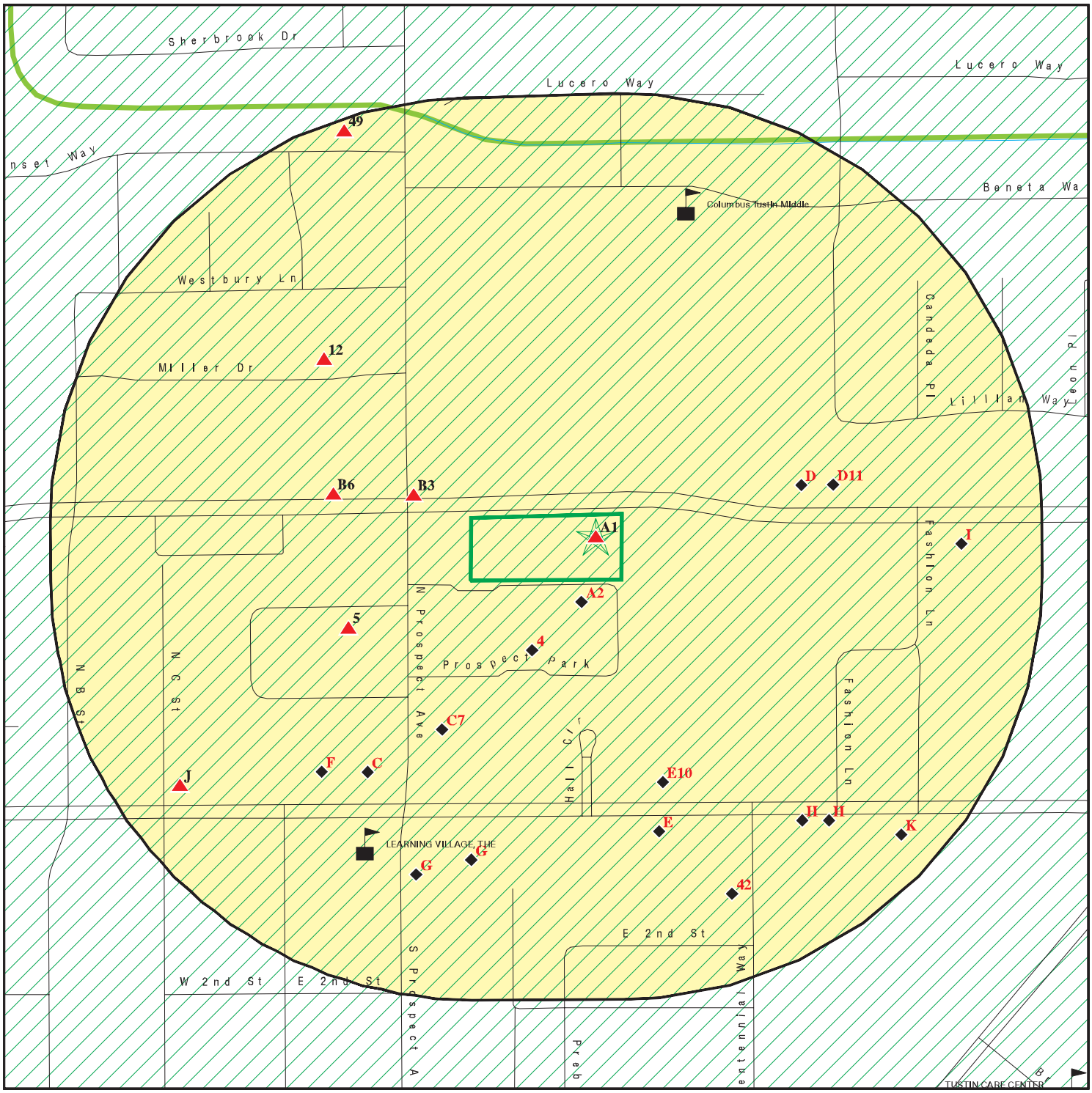
DRAFT

DETAIL MAP - 6651002.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

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:	17802 and 17842 Irvine Boulevard	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	17802 and 17842 Irvine Boulevard Tustin CA 92780	CONTACT:	Evelyn Perez
		INQUIRY #:	6651002.2s
LAT/LONG:	33.748081 / 117.82044	DATE:	September 08, 2021 8:38 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	4	NR	NR	NR	4
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	2	4	NR	6
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	2	7	NR	NR	9

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	2	0	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	6	NR	NR	NR	6
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	3	NR	NR	NR	3
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		8	11	NR	NR	NR	19
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
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	1	5	NR	NR	6

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
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	7	NR	NR	NR	7
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	3	NR	NR	4
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		2	9	45	17	4	0	77

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DRAFT

A1
Target
Property

MEIER CHIROPRACTIC
17842 IRVINE BLVD, #118
TUSTIN, CA 92680

HAZNET **S113077332**
HWTS **N/A**

Site 1 of 2 in cluster A

Actual:
138 ft.

HAZNET:

Name:	MEIER CHIROPRACTIC
Address:	17842 IRVINE BLVD, #118
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 926800000
Contact:	JOHN MEIER-OWNER
Telephone:	7145445255
Mailing Name:	Not reported
Mailing Address:	17842 IRVINE BLVD STE 118
Year:	1995
Gepaid:	CAL000141300
TSD EPA ID:	CAD982433575
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	R01 - Recycler
Tons:	0.0208

Additional Info:

Year:	1995
Gen EPA ID:	CAL000141300
Shipment Date:	19950315
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950321
Manifest ID:	95221671
Trans EPA ID:	CAL912352675
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981402522
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982433575
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MEIER CHIROPRACTIC
Address:	17842 IRVINE BLVD, #118
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 926800000
EPA ID:	CAL000141300

MEIER CHIROPRACTIC (Continued) **S113077332**

Inactive Date:	06/30/1990
Create Date:	08/02/1994
Last Act Date:	04/20/1998
Mailing Name:	Not reported
Mailing Address:	17842 IRVINE BLVD STE 118
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TUSTIN, CA 927803243
Owner Name:	MEIER CHIROPRACTIC
Owner Address:	17842 IRVINE BLVD STE 118
Owner Address 2:	Not reported
Owner City,State,Zip:	TUSTIN, CA 927803243
Contact Name:	JOHN MEIER-OWNER
Contact Address:	INACTIVE PER VQ97 BP
Contact Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803243

A2 **BARBARA SPROAT** **RCRA NonGen / NLR** **1025846993**
SSW **362 PROSPECT PARK** **CAC003026980**
< 1/8 **TUSTIN, CA 92780**
0.013 mi.
69 ft. **Site 2 of 2 in cluster A**

Relative: **Lower**
Actual: **137 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-07-31 00:00:00.0
Handler Name:	BARBARA SPROAT	
Handler Address:		362 PROSPECT PARK
Handler City,State,Zip:		TUSTIN, CA 92780-3207
EPA ID:		CAC003026980
Contact Name:		BARBARA SPROAT
Contact Address:		362 PROSPECT PARK
Contact City,State,Zip:		TUSTIN, CA 92780-3207
Contact Telephone:		657-600-1462
Contact Fax:		Not reported
Contact Email:		OCABATEMENT@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:		362 PROSPECT PARK
Mailing City,State,Zip:		TUSTIN, CA 92780-3207
Owner Name:		BARBARA SPROAT
Owner Type:		Other
Operator Name:		BARBARA SPROAT
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

BARBARA SPROAT (Continued) **1025846993**

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:	2019-09-10 15:06:18.0
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:	BARBARA SPROAT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	362 PROSPECT PARK
Owner/Operator City,State,Zip:	TUSTIN, CA 92780-3207

BARBARA SPROAT (Continued) **1025846993**

Owner/Operator Telephone:	657-600-1462
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BARBARA SPROAT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	362 PROSPECT PARK
Owner/Operator City,State,Zip:	TUSTIN, CA 92780-3207
Owner/Operator Telephone:	657-600-1462
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-07-31 00:00:00.0
Handler Name:	BARBARA SPROAT
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

B3 **VGPT LLC** **RCRA NonGen / NLR** **1024766754**
WNW **14982 POSPECT AVE.** **CAC002986626**
< 1/8 **TUSTIN, CA 92780**
0.037 mi.
194 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
140 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-10-26 00:00:00.0
Handler Name:	VGPT LLC	
Handler Address:		14982 POSPECT AVE.
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAC002986626
Contact Name:		TERRY MARTIN
Contact Address:		2677 W. MAIN ST #930

VGPT LLC (Continued) **1024766754**

Contact City,State,Zip:	SANTA ANA, CA 92705
Contact Telephone:	714-542-5481
Contact Fax:	Not reported
Contact Email:	TERRY@MAXSON-COONEY.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:	2677 W. MAIN ST #930
Mailing City,State,Zip:	SANTA ANA, CA 92705
Owner Name:	VGPT LLC
Owner Type:	Other
Operator Name:	TERRY MARTIN
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

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VGPT LLC (Continued) **1024766754**

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:	2018-11-20 16:30:21.0
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:	TERRY MARTIN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2677 W. MAIN ST #930
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-542-5481
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VGPT LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2677 W. MAIN ST #930
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-542-5481
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-10-26 00:00:00.0
Handler Name: VGPT 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

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VGPT LLC (Continued) **1024766754**

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

4
SSW
< 1/8
0.042 mi.
220 ft.

JOHN OLSEN **RCRA NonGen / NLR** **1026467057**
311 PROSPECT PARK **CAC003072386**
TUSTIN, CA 92780

Relative:
Lower

Actual:
136 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-06-25 00:00:00.0
Handler Name:	JOHN OLSEN	
Handler Address:		311 PROSPECT PARK
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAC003072386
Contact Name:		JOHN OLSEN
Contact Address:		311 PROSPECT PARK
Contact City,State,Zip:		TUSTIN, CA 92780
Contact Telephone:		714-575-1001
Contact Fax:		Not reported
Contact Email:		KARLA@SUPERIORENV.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:		311 PROSPECT PARK
Mailing City,State,Zip:		TUSTIN, CA 92780
Owner Name:		JOHN OLSEN
Owner Type:		Other
Operator Name:		JOHN OLSEN
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

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JOHN OLSEN (Continued) **1026467057**

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:	2020-07-10 18:44:41.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN OLSEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	311 PROSPECT PARK
Owner/Operator City,State,Zip:	TUSTIN, CA 92780

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JOHN OLSEN (Continued) **1026467057**

Owner/Operator Telephone: 714-575-1001
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JOHN OLSEN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 311 PROSPECT PARK
Owner/Operator City,State,Zip: TUSTIN, CA 92780
Owner/Operator Telephone: 714-575-1001
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-06-25 00:00:00.0
Handler Name: JOHN OLSEN
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

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5 **MARIE STAPLETON** **RCRA NonGen / NLR** **1026043771**
WSW **170 ORANGEWOOD LANE** **CAC003050015**
< 1/8 **TUSTIN, CA 92780**
0.078 mi.
413 ft.

Relative:
Higher

Actual:
138 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2020-01-08 00:00:00.0
Handler Name: MARIE STAPLETON
Handler Address: 170 ORANGEWOOD LANE
Handler City,State,Zip: TUSTIN, CA 92780
EPA ID: CAC003050015
Contact Name: MARIE STAPLETON
Contact Address: 170 ORANGEWOOD LANE

MARIE STAPLETON (Continued) **1026043771**

Contact City,State,Zip:	TUSTIN, CA 92780
Contact Telephone:	714-710-1723
Contact Fax:	Not reported
Contact Email:	KARLA@SUPERIORENV.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:	170 ORANGEWOOD LANE
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	MARIE STAPLETON
Owner Type:	Other
Operator Name:	MARIE STAPLETON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

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MARIE STAPLETON (Continued) **1026043771**

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:	2020-02-10 17:52:16.0
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:	MARIE STAPLETON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	170 ORANGEWOOD LANE
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-710-1723
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARIE STAPLETON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	170 ORANGEWOOD LANE
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-710-1723
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-01-08 00:00:00.0
Handler Name: MARIE STAPLETON	
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

MARIE STAPLETON (Continued) **1026043771**

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

B6 **MAGNOLIA PLAZA** **RCRA NonGen / NLR** **1026485715**
West **17731 IRVINE BLVD.** **CAC003091855**
< 1/8 **TUSTIN, CA 92780**
0.083 mi.
437 ft. **Site 2 of 2 in cluster B**

Relative: **Higher**
Actual: **141 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-11-06 00:00:00.0
Handler Name:	MAGNOLIA PLAZA	
Handler Address:		17731 IRVINE BLVD.
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAC003091855
Contact Name:		ERIC LE
Contact Address:		P.O. BOX 18057
Contact City,State,Zip:		ANAHEIM, CA 92817
Contact Telephone:		714-492-9175
Contact Fax:		Not reported
Contact Email:		ERIC@ROSSMGMT.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:		P.O. BOX 18057
Mailing City,State,Zip:		ANAHEIM, CA 92817
Owner Name:		MAGNOLIA PLAZA
Owner Type:		Other
Operator Name:		ERIC LE
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

MAGNOLIA PLAZA (Continued) **1026485715**

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:	2020-11-06 21:06:29.0
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:	MAGNOLIA PLAZA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 18057
Owner/Operator City,State,Zip:	ANAHEIM, CA 92817

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MAGNOLIA PLAZA (Continued) **1026485715**

Owner/Operator Telephone: 714-486-2187
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ERIC LE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 18057
Owner/Operator City,State,Zip: ANAHEIM, CA 92817
Owner/Operator Telephone: 714-492-9175
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-11-06 00:00:00.0
Handler Name: MAGNOLIA PLAZA
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: 562910
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C7 **GEARS OVER GRAVITY INC DBA TREK BICYCLE TUSTIN** **RCRA NonGen / NLR** **1024873256**
SW **115 N PROSPECT AVE** **CAL000441907**
< 1/8 **TUSTIN, CA 92780**
0.091 mi.
478 ft. **Site 1 of 5 in cluster C**

Relative:
Lower

Actual:
136 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2018-12-18 00:00:00.0
Handler Name: GEARS OVER GRAVITY INC DBA TREK BICYCLE TUSTIN
Handler Address: 115 N PROSPECT AVE
Handler City,State,Zip: TUSTIN, CA 92780
EPA ID: CAL000441907
Contact Name: JEFF SATTLER
Contact Address: 115 N PROSPECT AVE

GEARS OVER GRAVITY INC DBA TREK BICYCLE TUSTIN (Continued) **1024873256**

Contact City,State,Zip:	TUSTIN, CA 92780
Contact Telephone:	714-544-6091
Contact Fax:	Not reported
Contact Email:	JEFF@TREKBICYCLETUSTIN.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:	115 N PROSPECT AVE
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	JEFF SATTLER
Owner Type:	Other
Operator Name:	JEFF SATTLER
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

GEARS OVER GRAVITY INC DBA TREK BICYCLE TUSTIN (Continued) **1024873256**

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:	2018-12-20 13:53:18.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JEFF SATTLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1201 FAIRHAVEN AVE 21 H
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-916-1772
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JEFF SATTLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	115 N PROSPECT AVE
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-544-6091
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-12-18 00:00:00.0
Handler Name:	GEARS OVER GRAVITY INC DBA TREK BICYCLE TUSTIN
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

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GEARS OVER GRAVITY INC DBA TREK BICYCLE TUSTIN (Continued) **1024873256**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 451110
NAICS Description: SPORTING GOODS STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D8 **SERVICE FIRST** **RCRA NonGen / NLR** **1000598024**
ENE **18001 IRVINE BLVD** **FINDS** **CAD983620626**
< 1/8 **TUSTIN, CA 92780** **ECHO**
0.108 mi.
572 ft. **Site 1 of 3 in cluster D**

Relative: **Lower**
Actual: **137 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 1992-03-04 00:00:00.0
Handler Name: SERVICE FIRST
Handler Address: 18001 IRVINE BLVD
Handler City,State,Zip: TUSTIN, CA 92780
EPA ID: CAD983620626
Contact Name: DAVID FISCHER
Contact Address: 18001 IRVINE BLVD
Contact City,State,Zip: TUSTIN, CA 92680
Contact Telephone: 714-573-2244
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 18001 IRVINE BLVD
Mailing City,State,Zip: TUSTIN, CA 92780
Owner Name: SERVICE FIRST
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: Yes
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No

SERVICE FIRST (Continued) **1000598024**

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
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:	2002-06-27 03:35:51.0
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:	SERVICE FIRST
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18001 IRVINE BLVD
Owner/Operator City,State,Zip:	TUSTIN, CA 92680

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SERVICE FIRST (Continued) **1000598024**

Owner/Operator Telephone: 714-573-2200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1992-03-04 00:00:00.0
Handler Name: SERVICE FIRST
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 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: 110006483028

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000598024
Registry ID: 110006483028
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006483028
Name: SERVICE FIRST
Address: 18001 IRVINE BLVD
City,State,Zip: TUSTIN, CA 92780

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D9 **KJ AUTO TRANS INC** **EDR Hist Auto** **1020542741**
ENE **18001 IRVINE BLVD STE 210** **N/A**
< 1/8 **TUSTIN, CA 92780**
0.108 mi.
572 ft. **Site 2 of 3 in cluster D**

Relative: EDR Hist Auto
Lower

Actual:
137 ft.

Year:	Name:	Type:
2004	KJ AUTO TRANS INC	Automotive Transmission Repair Shops

E10 **JAMES STEWART** **RCRA NonGen / NLR** **1026046288**
SSE **453 EAST 1ST ST** **CAC003052749**
< 1/8 **TUSTIN, CA 92780**
0.123 mi.
649 ft. **Site 1 of 4 in cluster E**

Relative: RCRA NonGen / NLR:
Lower

Actual:
133 ft.

Date Form Received by Agency:		2020-01-24 00:00:00.0
Handler Name:	JAMES STEWART	
Handler Address:		453 EAST 1ST ST
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAC003052749
Contact Name:		JAMES STEWART
Contact Address:		453 EAST 1ST ST
Contact City,State,Zip:		TUSTIN, CA 92780
Contact Telephone:		714-669-1269
Contact Fax:		Not reported
Contact Email:		ANAB@PWSEI.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:		453 EAST 1ST ST
Mailing City,State,Zip:		TUSTIN, CA 92780
Owner Name:		JAMES STEWART
Owner Type:		Other
Operator Name:		JAMES STEWART
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

JAMES STEWART (Continued) **1026046288**

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:	2020-02-10 17:53:07.0
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:	JAMES STEWART
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	453 EAST 1ST ST
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-669-1269
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	JAMES STEWART

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JAMES STEWART (Continued) **1026046288**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	453 EAST 1ST ST
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-669-1269
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-01-24 00:00:00.0
Handler Name: JAMES STEWART	
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

D11 **WILL BUCHER** **RCRA NonGen / NLR** **1026474759**
ENE **18031 IRVINE BLVD, UNIT 108,** **CAC003080474**
1/8-1/4 **TUSTIN, CA 92780**
0.127 mi.
671 ft. **Site 3 of 3 in cluster D**

Relative:
Lower

Actual:
137 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2020-08-24 00:00:00.0
Handler Name:	WILL BUCHER	
Handler Address:		18031 IRVINE BLVD, UNIT 108,
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAC003080474
Contact Name:		WILL BUCHER
Contact Address:		18031 IRVINE BLVD, UNIT 108,
Contact City,State,Zip:		TUSTIN, CA 92780
Contact Telephone:		714-656-8574
Contact Fax:		Not reported
Contact Email:		KYLE.BIAS@US.BELFOR.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported

WILL BUCHER (Continued) **1026474759**

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:	18031 IRVINE BLVD, UNIT 108,
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	WILL BUCHER
Owner Type:	Other
Operator Name:	WILL BUCHER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

DRAFT

WILL BUCHER (Continued) **1026474759**

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:	2020-09-04 15:31:05.0
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:	WILL BUCHER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18031 IRVINE BLVD, UNIT 108,
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-656-8574
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WILL BUCHER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18031 IRVINE BLVD, UNIT 108,
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-656-8574
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-08-24 00:00:00.0
Handler Name: WILL BUCHER	
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

DRAFT

WILL BUCHER (Continued) **1026474759**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

12
WNW
1/8-1/4
0.129 mi.
681 ft.

CARLOS & YVONNE GIRON **RCRA NonGen / NLR** **1025833618**
17721 MILLER DR **CAC003013195**
TUSTIN, CA 92780

Relative:
Higher

Actual:
145 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2019-05-02 00:00:00.0
Handler Name:	CARLOS & YVONNE GIRON	
Handler Address:		17721 MILLER DR
Handler City,State,Zip:		TUSTIN, CA 92780-2657
EPA ID:		CAC003013195
Contact Name:		CARLOS & YVONNE GIRON
Contact Address:		17721 MILLER DR
Contact City,State,Zip:		TUSTIN, CA 92780-2657
Contact Telephone:		714-492-0643
Contact Fax:		Not reported
Contact Email:		GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17721 MILLER DR
Mailing City,State,Zip:		TUSTIN, CA 92780-2657
Owner Name:		CARLOS & YVONNE GIRON
Owner Type:		Other
Operator Name:		CARLOS & YVONNE GIRON
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

DRAFT

CARLOS & YVONNE GIRON (Continued) **1025833618**

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:	2019-06-27 11:34:32.0
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:	CARLOS & YVONNE GIRON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17721 MILLER DR
Owner/Operator City,State,Zip:	TUSTIN, CA 92780-2657
Owner/Operator Telephone:	714-492-0643
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CARLOS & YVONNE GIRON
Legal Status:	Other

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CARLOS & YVONNE GIRON (Continued) **1025833618**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17721 MILLER DR
Owner/Operator City,State,Zip:	TUSTIN, CA 92780-2657
Owner/Operator Telephone:	714-492-0643
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-05-02 00:00:00.0
Handler Name:	CARLOS & YVONNE GIRON
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

C13 **MOBIL OIL** **LUST** **S102433815**
SW **171 1ST** **Cortese** **N/A**
1/8-1/4 **TUSTIN, CA 92680** **HIST CORTESE**
0.130 mi. **CERS**
685 ft. **Site 2 of 5 in cluster C**

Relative:
Lower

Actual:
136 ft.

LUST:

Name:	MOBIL #18-H7H
Address:	171 1ST
City,State,Zip:	TUSTIN, CA 92780
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901987
Global Id:	T0605901987
Latitude:	33.746041
Longitude:	-117.822798
Status:	Completed - Case Closed
Status Date:	12/17/2002
Case Worker:	SR
RB Case Number:	083002899T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency

DRAFT

MOBIL OIL (Continued) **S102433815**

Local Case Number: 98UT026
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0605901987
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0605901987
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

LUST:
Global Id: T0605901987
Action Type: RESPONSE
Date: 11/07/2000
Action: Request for Closure

Global Id: T0605901987
Action Type: RESPONSE
Date: 05/23/1998
Action: Request for Closure

Global Id: T0605901987
Action Type: Other
Date: 12/22/1997
Action: Leak Discovery

Global Id: T0605901987
Action Type: RESPONSE
Date: 11/08/2000
Action: Other Report / Document

Global Id: T0605901987
Action Type: RESPONSE
Date: 08/03/2001
Action: Other Report / Document

Global Id: T0605901987
Action Type: RESPONSE
Date: 05/02/2001
Action: Other Report / Document

Global Id: T0605901987
Action Type: Other

MOBIL OIL (Continued) **S102433815**

Date: 12/22/1997
Action: Leak Reported

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 05/08/1998
Action: Staff Letter

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 09/15/1996
Action: Unauthorized Release Form

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 11/07/1988
Action: Closure/No Further Action Letter

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 04/24/1998
Action: Staff Letter

Global Id: T0605901987
Action Type: RESPONSE
Date: 02/15/2002
Action: Other Report / Document

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 02/05/1988
Action: Unauthorized Release Form

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 12/22/1997
Action: Staff Letter

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 03/31/1998
Action: Staff Letter

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 07/08/1998
Action: Closure Denial Letter

Global Id: T0605901987
Action Type: RESPONSE
Date: 07/03/1998
Action: Request for Closure

Global Id: T0605901987
Action Type: RESPONSE
Date: 02/05/2001
Action: Other Report / Document

DRAFT

MOBIL OIL (Continued) **S102433815**

Global Id: T0605901987
Action Type: ENFORCEMENT
Date: 12/17/2002
Action: Closure/No Further Action Letter

LUST:
Global Id: T0605901987
Status: Open - Case Begin Date
Status Date: 12/22/1997

Global Id: T0605901987
Status: Completed - Case Closed
Status Date: 12/17/2002

Name: MOBIL OIL
Address: 171 1ST
City,State,Zip: TUSTIN, CA 92680
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900622
Global Id: T0605900622
Latitude: 33.746041
Longitude: -117.822798
Status: Completed - Case Closed
Status Date: 10/27/1988
Case Worker: SR
RB Case Number: 083000784T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 88UT026
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0605900622
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0605900622
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

LUST:
Global Id: T0605900622
Action Type: Other

DRAFT

MOBIL OIL (Continued) **S102433815**

Date: 01/21/1988
Action: Leak Discovery

Global Id: T0605900622
Action Type: Other
Date: 01/21/1988
Action: Leak Reported

LUST:
Global Id: T0605900622
Status: Open - Case Begin Date
Status Date: 01/21/1988

Global Id: T0605900622
Status: Completed - Case Closed
Status Date: 10/27/1988

LUST REG 8:

Name:	MOBIL OIL
Address:	171 1ST
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000784T
Local Case Num:	88UT026
Case Type:	Other ground water affected
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900622
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/21/1988
Enforcement Date:	Not reported
Close Date:	10/27/1988
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported

DRAFT

MOBIL OIL (Continued) **S102433815**

Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7381061
Longitude:	-117.819614
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	RS
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

Name:	MOBIL #18-H7H
Address:	171 1ST
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002899T
Local Case Num:	98UT026
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901987
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/22/1997
Enforcement Date:	Not reported
Close Date:	12/17/2002
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported

MOBIL OIL (Continued) **S102433815**

GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7381061
Longitude:	-117.819614
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CORTESE:

Name:	MOBIL #18-H7H
Address:	171 1ST
City,State,Zip:	TUSTIN, CA 92780
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605901987
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	MOBIL OIL
Address:	171 1ST
City,State,Zip:	TUSTIN, CA 92680
Region:	CORTESE
Envirostor Id:	Not reported

MOBIL OIL (Continued) **S102433815**

Global ID:	T0605900622
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	MOBIL #18-H7H
edr_fadd1:	171 01ST
City,State,Zip:	TUSTIN, CA 92680
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000784T

edr_fname:	MOBIL #18-H7H
edr_fadd1:	171
City,State,Zip:	TUSTIN, CA 92680
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002899T

CERS:

Name:	MOBIL OIL
Address:	171 1ST
City,State,Zip:	TUSTIN, CA 92680
Site ID:	222958
CERS ID:	T0605900622
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1241 E. DYER ROAD SUITE 120
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7144336262

Affiliation Type Desc:	Regional Board Caseworker

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MOBIL OIL (Continued) **S102433815**

Entity Name: ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9513206375

Name: MOBIL #18-H7H
Address: 171 1ST
City,State,Zip: TUSTIN, CA 92780
Site ID: 193349
CERS ID: T0605901987
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9513206375

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

C14 **STEVEN L KELSO** **HIST UST** **S105644277**
SW **171 E FIRST ST** **CHMIRS** **N/A**
1/8-1/4 **TUSTIN, CA 92680**
0.136 mi.
718 ft. **Site 3 of 5 in cluster C**

Relative:
Lower

Actual:
136 ft.

HIST UST:
Name: STEVEN L KELSO
Address: 171 E FIRST ST
City,State,Zip: TUSTIN, CA 92680
File Number: 0002EBA9
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EBA9.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported

STEVEN L KELSO (Continued) **S105644277**

Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CHMIRS:

Name:	Not reported
Address:	171 EAST FIRST STREET MOBIL STATION 18H7H
City,State,Zip:	TUSTIN, CA
OES Incident Number:	15489
OES notification:	Not reported
OES Date:	9/10/1996
OES Time:	08:51:50 AM
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 Agncy 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:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	mobile oil
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported

DRAFT

STEVEN L KELSO (Continued) **S105644277**

Date/Time:	Not reported
Year:	1996
Agency:	mobil oil
Incident Date:	1600 09Sep96
Admin Agency:	Not reported
Amount:	unk (5' soil)
Contained:	NO
Site Type:	S/S
E Date:	Not reported
Substance:	waste oil 12ppm
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#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:	getting ready for construction to a site, soil sample underway.

C15 **MOBIL #18-H7H** **LUST** **S101589143**
SW **171 E 1ST ST** **SWEEPS UST** **N/A**
1/8-1/4 **TUSTIN, CA 92680** **CA FID UST**
0.136 mi.
718 ft. **Site 4 of 5 in cluster C**

Relative:
Lower

Actual:
136 ft.

ORANGE CO. LUST:

Name:	MOBIL #18-H7H
Address:	171 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Region:	ORANGE
Facility Id:	98UT026
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	12/17/2002
Record ID:	RO0001670

Name:	MOBIL OIL
Address:	171 E 1ST ST
City,State,Zip:	TUSTIN, CA 92680
Region:	ORANGE
Facility Id:	88UT026
Released Substance:	Waste oil/Used oil
Date Closed:	10/27/1988
Record ID:	RO0001406

SWEEPS UST:

Name:	MOBIL #18-H7H
Address:	171 E 1ST ST

MOBIL #18-H7H (Continued) **S101589143**

City:	TUSTIN
Status:	Active
Comp Number:	2281
Number:	9
Board Of Equalization:	44-000400
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002281-000001
Tank Status:	A
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	4

Name:	MOBIL #18-H7H
Address:	171 E 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	2281
Number:	9
Board Of Equalization:	44-000400
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002281-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	MOBIL #18-H7H
Address:	171 E 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	2281
Number:	9
Board Of Equalization:	44-000400
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002281-000005
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

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MOBIL #18-H7H (Continued) **S101589143**

Name:	MOBIL #18-H7H
Address:	171 E 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	2281
Number:	9
Board Of Equalization:	44-000400
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002281-000006
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	30001621
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145528460
Mail To:	Not reported
Mailing Address:	3225 GALLOWS RD ATTN: EAR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TUSTIN 92680
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

C16 **STEVEN L. KELSO** **HIST UST** **U001577914**
SW **171 E 1ST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92680**
0.136 mi.
718 ft. **Site 5 of 5 in cluster C**

Relative:
Lower

Actual:
136 ft.

HIST UST:

Name:	STEVEN L. KELSO
Address:	171 E 1ST ST
City,State,Zip:	TUSTIN, CA 92680
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000039359
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	7145442923

DRAFT

STEVEN L. KELSO (Continued) **U001577914**

Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 S. FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

F17 **BIG O TIRES #5825** **CERS HAZ WASTE** **S113046295**
SW **131 E 1ST ST** **CERS** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.145 mi.
764 ft. **Site 1 of 3 in cluster F**

Relative:
Lower

Actual:
136 ft.

CERS HAZ WASTE:

Name:	BIG O TIRES #5825
Address:	131 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	379818
CERS ID:	10408141
CERS Description:	Hazardous Waste Generator

CERS:

Name:	BIG O TIRES #5825

BIG O TIRES #5825 (Continued) **S113046295**

Address:	131 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	379818
CERS ID:	10408141
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-26-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Derek Tyson. Observed the shop area, waste storage areas, perimeter of facility and trash container. Drums of wastes are labeled and appear to be in good condition. Wastes include oil, filters, coolant, mop water, and a parts washer. Manifests for waste disposal are available for review. Complete the emergency response label and post in the facility. Verified the owner as Golden West Tire Centers, LLC.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-07-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	HMBEP declined. The followin notes were included in the review: "Please address the comments from the previous review. They are shown below for your reference. The hazardous components box for mop water should be [64742-65-0 Petroleum oil 1%]. Please change the component name to petroleum oil. Site map is missing locations for emergency shut offs (water and natural gas), emergency response equipment (absorbent/spill kit) and sewer/storm drains. Add these to the site map."
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-26-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Facility has complied with the 2018 reporting requirement. Reviewed and declined HMBEP submittal. The following correction is needed: CONTINGENCY PLAN G please correct the telephone number for the local unified program agency (714-433-6000).
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-04-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	2016 HMBEP Annual Certification Approval. The following documents were received and ACCEPTED on E-Submit: Business Activities Page Business Owner Operator Information Chemical Inventory for 5 material(s)

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BIG O TIRES #5825 (Continued) **S113046295**

	Facility Site Map Emergency Plan A copy of the report was sent to the facility.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-08-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted HMBEP submittal. All corrections have been made. Facility has disclosed 6 chemicals (3 are waste).
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Big O Tires #5821 131 E 1st St Tustin, CA 92780 Big O Tires #5821 131 E 1st St Tustin, CA 92780 Add facility to hazardous materials program. Reviewed HMBEP submission package on CERS, DENIED. Request for resubmittal this date.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Onsite to conduct a routine hazardous waste inspection. Met with Jorge Ramirez. Inspected used oil, drained used oil/fuel filters, absorbent, aqueous parts cleaner and waste antifreeze. Drums were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums on a weekly basis. A Hazardous Waste label was noted on all drums with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business hours. Please continue to all [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Jorge Ramirez. During the inspection

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BIG O TIRES #5825 (Continued) **S113046295**

the following was observed: Reviewed list of chemicals stored onsite and online. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online. Completely reviewed and approved online CUPA form submittal on California Environmental Reporting System (CERS)

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. An inspection of the facility was completed with Aureliano Garcia. Observed the hazardous materials storage areas. The following reportable hazardous materials were observed today: - New antifreeze - Waste antifreeze - New motor oil - Transmission fluid - Waste mop water - Waste oil Reviewed and verified site map item locations. Emergency response and contact information is available for review.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. An inspection of the facility was completed with Aureliano Garcia. Observed the shop area, waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include oil, oil filters, antifreeze, and parts washer. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review pre 2015 HMBEP submission. Accepted pending review of the more recent submission.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-01-2013
Violations Found: No
Eval Type: Routine done by local agency

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BIG O TIRES #5825 (Continued) **S113046295**

Eval Notes:	Big O Tires #5825 131 E. 1st Street Tustin, CA 92780 On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Brian Goegan. Observed the shop area, waste storage area, perimeter of facility and trash container. Drums of wastes are covered and labeled. Wastes include oil, oil filters, coolant, mop water, and parts washer. Manifests for waste disposal are available for review. Keep manifests for at least 3 years. Complete the emergency response label and post in the facility. Verified the owner as Golden West Tire Centers, LLC. An annual hazardous waste fee will be assessed.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-08-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and declined submittal in e submit. Please make the following modifications: New oil and new ATF should be listed as "pure" not "mixtures. The each have specific CAS numbers. "Use CAS number 64742-65-0 for the motor oil disclosures and 64743-57-0 for the ATF disclosure. The second to last disclosed chemical is listed as just "waste". The assumption is that this is waste oil. Common name should be waste oil. In the hazardous components box use "motor oil" for the component. The hazardous components box for mop water should be [64742-65-0 Petroleum oil 1%]. Need to determine how much sulfuric acid is contained in the batteries. Then disclose batteries as follows: Common name is lead Acid Batteries. List as liquid. List in gallons. Hazardous components box [7664-93-9 Sulfuric Acid 40%] Site map is missing locations for emergency shut offs (water and natural gas), emergency response equipment (absorbent/spill kit) and sewer/storm drains. Add these to [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-14-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Processed A21.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-26-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Derek Tyson. Observed the shop and hazardous materials storage areas. The following hazardous materials were observed today: - New bulk motor oil - New bulk transmission oil - New synthetic oil - New antifreeze/coolant - Waste oil - Oily mop water - Waste antifreeze *Submit a copy of the annual employee hazardous materials training signature sheet to this agency. *Businesses who handle or store hazardous materials in quantities equal to or

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BIG O TIRES #5825 (Continued) **S113046295**

exceeding 55 gallons of liquid, 500 pounds of solid, or 200 cubic feet of a gas are required to disclose the materials as part of the Hazardous Materials Business Plan (HMBP). The HMBP is required to be submitted electronically by using either the County E-Submit Portal (www.esubmit.ocgov.com) or the State CERS Portal (http://cers.calepa.ca.gov). Complete the electronic submittal within 30 days of receipt of this [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 379818
Facility Name: BIG O TIRES #5825
Env Int Type Code: HWG
Program ID: 10408141
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.746040
Longitude: -117.823270

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL BIDDLE
Entity Title: Not reported
Affiliation Address: 10934 Portal Dr.
Affiliation City: Los Alamitos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90720
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: MATTHEW GRECO
Entity Title: MANAGING MEMBER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: GOLDEN WEST TIRE CENTERS, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120

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BIG O TIRES #5825 (Continued) **S113046295**

Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Document Preparer
Entity Name:	LESLIE LOPEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	GOLDEN WEST TIRE CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 236-0715
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10934 PORTAL DR
Affiliation City:	LOS ALAMITOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90720
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	GOLDEN WEST TIRE CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	10934 PORTAL
Affiliation City:	LOS ALAMITOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90720
Affiliation Phone:	(714) 236-0715

F18 **BIG O TIRES** **RCRA NonGen / NLR** **1000125313**
SW **131 E FIRST ST** **FINDS** **CAD981667884**
1/8-1/4 **TUSTIN, CA 92780** **ECHO**
0.145 mi.
764 ft. **Site 2 of 3 in cluster F**

Relative:
Lower

Actual:
136 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		1993-01-04 00:00:00.0
Handler Name:	BIG O TIRES	
Handler Address:		131 E FIRST ST
Handler City,State,Zip:		TUSTIN, CA 92780

BIG O TIRES (Continued) **1000125313**

EPA ID:	CAD981667884
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	131 E FIRST ST
Contact City,State,Zip:	TUSTIN, CA 92680
Contact Telephone:	714-544-9431
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
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:	CA
State District:	4
Mailing Address:	323 W CASTOR ST
Mailing City,State,Zip:	SANTA ANA, CA 92704
Owner Name:	SECURITY CAL INC
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site 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

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BIG O TIRES (Continued) **1000125313**

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:	2002-06-27 03:28:40.0
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:	SECURITY CAL INC
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:	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

Historic Generators:

Receive Date:	1993-01-04 00:00:00.0
Handler Name: BIG O TIRES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

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BIG O TIRES (Continued) **1000125313**

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: 44131
NAICS Description: AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006473397

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000125313
Registry ID: 110006473397
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006473397
Name: BIG O TIRES
Address: 131 E FIRST ST
City,State,Zip: TUSTIN, CA 92780

F19 **GOLDEN WEST TIRES CENTERS LLC DBA BIG O TIRES #582** **RCRA NonGen / NLR** **1024837778**
SW **131 E 1ST ST** **CAL000383795**
1/8-1/4 **TUSTIN, CA 92780**
0.145 mi.
764 ft. **Site 3 of 3 in cluster F**

Relative:
Lower

Actual:
136 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2013-03-26 00:00:00.0
Handler Name: GOLDEN WEST TIRES CENTERS LLC DBA BIG O TIRES #5825
Handler Address: 131 E 1ST ST
Handler City,State,Zip: TUSTIN, CA 92780-3246
EPA ID: CAL000383795

GOLDEN WEST TIRES CENTERS LLC DBA BIG O TIRES #5825 (Continued) **1024837778**

Contact Name:	LESLIE LOPEZ
Contact Address:	10934 PORTAL DR.
Contact City,State,Zip:	LOS ALAMITOS, CA 90720
Contact Telephone:	714-236-0715
Contact Fax:	714-236-0751
Contact Email:	LLOPEZ@GWBIGO.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:	10934 PORTAL DR
Mailing City,State,Zip:	LOS ALAMITOS, CA 90720
Owner Name:	GOLDEN WEST TIRE CENTERS LLC
Owner Type:	Other
Operator Name:	LESLIE LOPEZ
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

DRAFT

GOLDEN WEST TIRES CENTERS LLC DBA BIG O TIRES #5825 (Continued) **1024837778**

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:	2018-09-06 17:02:09.0
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:	GOLDEN WEST TIRE CENTERS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10934 PORTAL DR
Owner/Operator City,State,Zip:	LOS ALAMITOS, CA 90720
Owner/Operator Telephone:	714-236-0715
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LESLIE LOPEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10934 PORTAL DR.
Owner/Operator City,State,Zip:	LOS ALAMITOS, CA 90720
Owner/Operator Telephone:	714-236-0715
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2013-03-26 00:00:00.0
Handler Name:	GOLDEN WEST TIRES CENTERS LLC DBA BIG O TIRES #5825
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

DRAFT

GOLDEN WEST TIRES CENTERS LLC DBA BIG O TIRES #5825 (Continued) **1024837778**

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

E20 **NEWCLEANER LLC DBA SATELLITE CLEANERS** **DRYCLEANERS** **S106841471**
SSE **410 E 1ST ST** **EMI** **N/A**
1/8-1/4 **TUSTIN, CA 92780** **HWTS**
0.152 mi.
800 ft. **Site 2 of 4 in cluster E**

Relative:
Lower

Actual:
133 ft.

DRYCLEAN SOUTH COAST:
Name: TUSTIN GEORGE CLEANERS
Address: 410 E 1ST ST
City,State,Zip: TUSTIN, CA 92780
Facility ID: 25161
Application Number: 10486A
Permit Number: M27990
Status: A
Representative Name: GEORGE HAUBEN
Representative Telephone: 714 8327366
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 02
CCAT Description: ADSORBER (DRY CLEANING) REGENERATIVE
UTM East: 424.0539856
UTM North: 3734.059082
Application Date: 09/10/1981
PO Issue Date: 10/12/1982
NAICS Code: 812320
SIC Code: 7216

Name: TUSTIN GEORGE CLEANERS
Address: 410 E 1ST ST
City,State,Zip: TUSTIN, CA 92780
Facility ID: 25161
Application Number: 173550
Permit Number: D02298
Status: A
Representative Name: GEORGE HAUBEN
Representative Telephone: 714 8327366
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE

NEWCLEANER LLC DBA SATELLITE CLEANERS (Continued) **S106841471**

CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	424.0539856
UTM North:	3734.059082
Application Date:	08/23/1988
PO Issue Date:	09/09/1988
NAICS Code:	812320
SIC Code:	7216

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	25161
Application Number:	371273
Permit Number:	F33743
Status:	A
Representative Name:	GEORGE HAUBEN
Representative Telephone:	714 8327366
Permit Status:	INACTIVE
BCAT Number:	000601
BCAT Description:	DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	424.0539856
UTM North:	3734.059082
Application Date:	06/23/2000
PO Issue Date:	09/15/2000
NAICS Code:	812320
SIC Code:	7216

DRYCLEANERS:

Name:	NEWCLEANER LLC DBA SATELLITE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 927803310
EPA Id:	CAL000402266
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	11/17/2014
Facility Active:	No
Inactive Date:	06/30/2016
Facility Addr2:	Not reported
Owner Name:	ASHRAF DAKWAR
Owner Address:	589 N JOHNSON AVE
Owner Address 2:	Not reported
Owner Telephone:	6194903329
Contact Name:	LOUIE RAMIRAZ
Contact Address:	410 E 1ST ST
Contact Address 2:	Not reported
Contact Telephone:	7148325700
Contact Fax:	7148322377
Mailing Name:	Not reported
Mailing Address 1:	410 E 1ST ST
Mailing Address 2:	Not reported
Mailing City:	TUSTIN
Mailing State:	CA

NEWCLEANER LLC DBA SATELLITE CLEANERS (Continued) **S106841471**

Mailing Zip:	927803310
Owner Fax:	7148322377
Region Code:	4
Latitude:	0
Longitude:	0

EMI:

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Year:	1995
County Code:	30
Air Basin:	SC
Facility ID:	25161
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
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:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Year:	2002
County Code:	30
Air Basin:	SC
Facility ID:	25161
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Year:	2003
County Code:	30
Air Basin:	SC
Facility ID:	25161
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD

NEWCLEANER LLC DBA SATELLITE CLEANERS (Continued) **S106841471**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Year:	2004
County Code:	30
Air Basin:	SC
Facility ID:	25161
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00119
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.00768
NOX - Oxides of Nitrogen Tons/Yr:	0.00915
SOX - Oxides of Sulphur Tons/Yr:	0.0000549
Particulate Matter Tons/Yr:	0.000695
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Year:	2006
County Code:	30
Air Basin:	SC
Facility ID:	25161
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.006
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TUSTIN GEORGE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Year:	2007
County Code:	30
Air Basin:	SC
Facility ID:	25161

DRAFT

NEWCLEANER LLC DBA SATELLITE CLEANERS (Continued) **S106841471**

Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.006
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HWTS:

Name:	NEWCLEANER LLC DBA SATELLITE CLEANERS
Address:	410 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803310
EPA ID:	CAL000402266
Inactive Date:	06/30/2016
Create Date:	11/17/2014
Last Act Date:	01/12/2017
Mailing Name:	Not reported
Mailing Address:	410 E 1ST ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TUSTIN, CA 927803310
Owner Name:	ASHRAF DAKWAR
Owner Address:	589 N JOHNSON AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 92020
Contact Name:	LOUIE RAMIRAZ
Contact Address:	410 E 1ST ST
Contact Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 92780

NAICS:

EPA ID:	CAL000402266
Create Date:	2014-11-17 09:50:56.310
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date:	2014-11-17 09:50:56.30300
Inactive Date:	2016-06-30 00:00:00
Facility Name:	NEWCLEANER LLC DBA SATELLITE CLEANERS
Facility Address:	410 E 1ST ST
Facility Address 2:	Not reported
Facility City:	TUSTIN
Facility County:	Not reported
Facility State:	CA
Facility Zip:	927803310

E21 **C&S SERVICES LLC DBA SATELLITE CLEANERS** **DRYCLEANERS** **S127126802**
SSE **410 E 1ST ST** **HWTS** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.152 mi.
800 ft. **Site 3 of 4 in cluster E**

Relative:
Lower

Actual:
133 ft.

DRYCLEANERS:

Name:	C&S SERVICES LLC DBA SATELLITE CLEANERS
Address:	410 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
EPA Id:	CAL000461528
NAICS Code:	812320
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	04/01/2021
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	C&S SERVICES LLC
Owner Address:	120 MEASURE
Owner Address 2:	Not reported
Owner Telephone:	9495218140
Contact Name:	CHETANA RAMAKRISHNA
Contact Address:	410 E 1ST ST
Contact Address 2:	Not reported
Contact Telephone:	9495218140
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	410 E 1ST ST
Mailing Address 2:	Not reported
Mailing City:	TUSTIN
Mailing State:	CA
Mailing Zip:	92780
Owner Fax:	Not reported
Region Code:	4
Latitude:	0
Longitude:	0

HWTS:

Name:	C&S SERVICES LLC DBA SATELLITE CLEANERS
Address:	410 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 92780
EPA ID:	CAL000461528
Inactive Date:	Not reported
Create Date:	04/01/2021
Last Act Date:	04/01/2021
Mailing Name:	Not reported
Mailing Address:	410 E 1ST ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	C&S SERVICES LLC
Owner Address:	120 MEASURE
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 92618
Contact Name:	CHETANA RAMAKRISHNA
Contact Address:	410 E 1ST ST
Contact Address 2:	Not reported

DRAFT

C&S SERVICES LLC DBA SATELLITE CLEANERS (Continued) **S127126802**

City,State,Zip: TUSTIN, CA 92780

NAICS:

EPA ID: CAL000461528
Create Date: 2021-04-01 17:38:42.780
NAICS Code: 812320
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 2021-04-01 17:38:42.77700
Inactive Date: Not reported
Facility Name: C&S SERVICES LLC DBA SATELLITE CLEANERS
Facility Address: 410 E 1ST ST
Facility Address 2: Not reported
Facility City: TUSTIN
Facility County: Not reported
Facility State: CA
Facility Zip: 92780

EPA ID: CAL000461528
Create Date: 2021-04-01 17:38:42.780
NAICS Code: 812320
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 2021-04-01 17:38:42.77700
Inactive Date: Not reported
Facility Name: C&S SERVICES LLC DBA SATELLITE CLEANERS
Facility Address: 410 E 1ST ST
Facility Address 2: Not reported
Facility City: TUSTIN
Facility County: Not reported
Facility State: CA
Facility Zip: 92780

E22
SSE
1/8-1/4
0.152 mi.
800 ft.

NEWCLEANER LLC **DRYCLEANERS** **S121696682**
410 E FIRST ST **N/A**
TUSTIN, CA 92780

Site 4 of 4 in cluster E

Relative:
Lower

Actual:
133 ft.

DRYCLEAN SOUTH COAST:

Name: NEWCLEANER LLC
Address: 410 E FIRST ST
City,State,Zip: TUSTIN, CA 92780
Facility ID: 176994
Application Number: 561715
Permit Number: Not reported
Status: A
Representative Name: LOUIE RAMERIZ
Representative Telephone: 714 8325700
Permit Status: Not reported
BCAT Number: 000233
BCAT Description: DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 0
UTM North: 0
Application Date: 03/12/2014
PO Issue Date: 12/31/9999
NAICS Code: 812320

DRAFT

NEWCLEANER LLC (Continued) **S121696682**

SIC Code: 7216

G23 **TUSTIN PLAZA AUTO WASH** **UST** **U004316384**
SSW **240 E. FIRST ST.** **N/A**
1/8-1/4 **TUSTIN, CA 92870**
0.166 mi.
878 ft. **Site 1 of 5 in cluster G**

Relative:
Lower

Actual:
133 ft.

ORANGE CO. UST:

Name:	TUSTIN PLAZA AUTO WASH
Address:	240 E. FIRST ST.
City,State,Zip:	TUSTIN 92870
Facility ID:	FA0050767
Notes:	Not reported

G24 **TUSTIN PLAZA AUTO WASH** **SWEEPS UST** **U003433555**
SSW **240 E 1ST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92680**
0.166 mi.
878 ft. **Site 2 of 5 in cluster G**

Relative:
Lower

Actual:
133 ft.

SWEEPS UST:

Name:	TUSTIN PLAZA AUTO WASH
Address:	240 E 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	12220
Number:	9
Board Of Equalization:	Not reported
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-012220-000001
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Name:	TUSTIN PLAZA AUTO WASH
Address:	240 E 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	12220
Number:	9
Board Of Equalization:	Not reported
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-012220-000002
Tank Status:	A
Capacity:	12000

TUSTIN PLAZA AUTO WASH (Continued) **U003433555**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	TUSTIN PLAZA AUTO WASH
Address:	240 E 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	12220
Number:	9
Board Of Equalization:	Not reported
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-012220-000003
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

G25 **TUSTIN PLAZA AUTO WASH** **CA FID UST** **S101609629**
SSW **240 E 1ST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92680**
0.166 mi.
878 ft. **Site 3 of 5 in cluster G**

Relative:
Lower

Actual:
133 ft.

CA FID UST:

Facility ID:	30017688
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	19021 CANYON DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TUSTIN 92680
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

DRAFT

G26
SSW
1/8-1/4
0.178 mi.
941 ft.

MOUNTAINVIEW TIRE AND SERVICE INC
135 S PROSPECT AVE
TUSTIN, CA 92780

Site 4 of 5 in cluster G

CERS HAZ WASTE
CERS

S123501054
N/A

Relative:
Lower

Actual:
133 ft.

CERS HAZ WASTE:

Name:	MOUNTAINVIEW TIRE AND SERVICE INC
Address:	135 S PROSPECT AVE
City,State,Zip:	TUSTIN, CA 92780
Site ID:	136658
CERS ID:	10411762
CERS Description:	Hazardous Waste Generator

CERS:

Name:	MOUNTAINVIEW TIRE AND SERVICE INC
Address:	135 S PROSPECT AVE
City,State,Zip:	TUSTIN, CA 92780
Site ID:	136658
CERS ID:	10411762
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	01-11-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The HMBEP has been reviewed and declined. Please correct the following and resubmit within 30 days: HAZARDOUS MATERIALS INVENTORY // (1) Motor Oil (Waste): -- Please change the Hazardous Material Type to G WasteG -- Enter the Annual Waste Amount (2) Motor Oil (New): -- Please verify if the entries for New vs. Waste motor oil have been switched; New Motor Oil does not need the Annual Waste Amount. (3) Antifreeze (Waste): -- Enter the Annual Waste Amount (4) Nitrogen: -- Please verify the amount of nitrogen stored at your facility; the reportable threshold for this chemical is 200 cubic feet. If less than 200 cf of nitrogen is on site, you may remove this chemical from your inventory. Additionally, if you have over 200 cf of nitrogen, please change the Storage Pressure to G Ambient.G FACILITY MAPS // (1) Please indicate the location of the following, if applicable, on the facility map: -- Emergency Response equipment (spill kit, fire [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-25-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documents were received and ACCEPTED on the Esubmit Portal/CERS: Chemical Inventory Facility Site Map Emergency Response & Training Plans
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-13-2015
Violations Found:	No

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MOUNTAINVIEW TIRE AND SERVICE INC (Continued) **S123501054**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed HMBEP submission package on CERS, DENIED. Request for re-submittal this date. The following corrections are needed: CHEMICAL INVENTORY Waste Antifreeze G please change Hazardous Material Type to Waste; remove the CAS # from the top of the form (leave it in the Mixture Components chart); State Waste Code = 134; review the Annual Waste Amount for this material (most likely not 1800 gallons) New Antifreeze G remove the CAS # from the top of the form (CAS#s are only used for Pure substances); remove data from the Annual Waste Amount field (only completed for wastes) New Motor Oil G Hazardous Material Type = Mixture; remove the CAS # from the top of the form; Federal Hazard Categories = also check Acute Health and Chronic Health; remove Annual Waste Amount Waste Motor Oil G Hazardous Material Type = Waste; remove the CAS #; Federal Hazard Categories = also check Acute Health and Chronic Health Automatic Transmission Fluid G it is unclear whether you are [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-25-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS 10411762 Accepted 2017 Annual Certification for the following elements: Facility Information Chemical Inventory Emergency Response and Training Plan
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-13-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS review: BA/OW pg
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-19-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed HMBEP submission package on CERS, DENIED. Request for resubmittal this date.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-24-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	corrected Owner name in CERS
Eval Division:	Orange County Environmental Health
Eval Program:	HW

MOUNTAINVIEW TIRE AND SERVICE INC (Continued) **S123501054**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Onsite to conduct a routine hazardous waste inspection. Met with Steven Benedetto. Inspected used oil, drained used oil/fuel filters, absorbent, parts cleaner and waste antifreeze. Drums were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums on a weekly basis. A Hazardous Waste label was noted on all drums with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business hours. Please continue to ensure all [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Steven Benedetto. During the inspection the following was observed: Reviewed list of chemicals stored onsite and online. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online. Completely reviewed and approved online CUPA form submittal on California Environmental Reporting System (CERS) The details of this report were discussed with Steven Benedetto. A copy of this report will be mailed to the facility.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-16-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review HMBEP in CERS. Accepted.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2020

MOUNTAINVIEW TIRE AND SERVICE INC (Continued) **S123501054**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous materials inspection. An inspection of the facility was completed with AJ Stamatelatos. Observed the hazardous materials storage areas. The following reportable hazardous materials were observed today: - Motor oil - New antifreeze - Waste antifreeze - ATF - Waste mop water Reviewed and verified site map item locations. Emergency response and contact information is available for review. Annual employee training records are current.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. An inspection of the facility was completed with AJ Stamatelatos. Observed the shop area, waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include oil, oil filters, antifreeze, brake fluid, mop water, and oily solids. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Onsite to conduct a routine hazardous waste inspection. Met with Steven Benedetto Inspected used oil, drained used oil/fuel filters, aqueous parts cleaner and waste antifreeze. Drums and tank were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums and tank on a weekly basis. A Hazardous Waste label was noted on all drums and tank with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Steven Benedetto. During the

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MOUNTAINVIEW TIRE AND SERVICE INC (Continued) **S123501054**

inspection the following was observed: Reviewed list of chemicals stored onsite and online. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online. Completely reviewed and approved online CUPA form submittal on California Environmental Reporting System (CERS) For more information regarding Hazardous Materials Disclosure, or to sign up for our eNewsletter please visit http://www.occupainfo.com/

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-08-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and reviewed for completeness on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans The submittal has been placed UNDER REVIEW pending on-site verification during your routine inspection. Notify this agency through CERS, of any change of ownerships, changes in chemical quantities of over 100%, or any new chemicals. If you have any questions please email me at SHansenRooks@ochca.com

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 136658
Facility Name: Mountainview Tire and Service Inc
Env Int Type Code: HWG
Program ID: 10411762
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.745090
Longitude: -117.822410

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Nicholas Mitsos
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: Not reported

Affiliation Type Desc: Operator
Entity Name: Mountain View tire and Service Inc.
Entity Title: Not reported
Affiliation Address: Not reported

MOUNTAINVIEW TIRE AND SERVICE INC (Continued) **S123501054**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 484-9497
Affiliation Type Desc:	Parent Corporation
Entity Name:	Mountainview Tire and Service Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Document Preparer
Entity Name:	Tim Squires
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	TIM SQUIRES
Entity Title:	Not reported
Affiliation Address:	8548 Utica Ave
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91730
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8548 Utica Ave
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91730
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner

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MOUNTAINVIEW TIRE AND SERVICE INC (Continued) **S123501054**

Entity Name:	Mountain View tire and Service Inc.
Entity Title:	Not reported
Affiliation Address:	8548 Utica Ave
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91730
Affiliation Phone:	(909) 484-9497

G27 **MT VIEW TIRE SERVICE INC** **RCRA NonGen / NLR** **1024799671**
SSW **135 S PROSPECT** **CAL000213137**
1/8-1/4 **TUSTIN, CA 92680**
0.178 mi.
941 ft. **Site 5 of 5 in cluster G**

Relative:
Lower

Actual:
133 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2000-12-07 00:00:00.0
Handler Name:	MT VIEW TIRE SERVICE INC	
Handler Address:		135 S PROSPECT
Handler City,State,Zip:		TUSTIN, CA 92680-0000
EPA ID:		CAL000213137
Contact Name:		CHRIS MITSOS
Contact Address:		8548 UTICA AVE
Contact City,State,Zip:		RANCHO CUCAMONGA, CA 91730
Contact Telephone:		909-484-9497
Contact Fax:		909-484-3973
Contact Email:		MVT@MOUNTAINVIEWTIRE.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:		8548 UTICA AVE
Mailing City,State,Zip:		RANCHO CUCAMONGA, CA 91730-0000
Owner Name:		NICK MITSOS
Owner Type:		Other
Operator Name:		CHRIS MITSOS
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

DRAFT

MT VIEW TIRE SERVICE INC (Continued) **1024799671**

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:	2018-09-05 15:45:01.0
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:	NICK MITSOS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8548 UTICA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91730-0000
Owner/Operator Telephone:	909-484-9497
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

DRAFT

MT VIEW TIRE SERVICE INC (Continued) **1024799671**

Owner/Operator Name:	CHRIS MITSOS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8548 UTICA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Owner/Operator Telephone:	909-484-9497
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2000-12-07 00:00:00.0
Handler Name:	MT VIEW TIRE SERVICE 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

H28 **O'REILLY AUTO PARTS #3046** **CERS HAZ WASTE** **S118235335**
SE **510 E 1ST ST** **HAZNET** **N/A**
1/8-1/4 **TUSTIN, CA 92780** **CERS**
0.179 mi. **HWTS**
946 ft. **Site 1 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

CERS HAZ WASTE:

Name:	O'REILLY AUTO PARTS #3046
Address:	510 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	139270
CERS ID:	10459891
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	O'REILLY AUTO PARTS #3046
Address:	510 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 65802

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Contact: JOHN BOUNDS
Telephone: 4175204589
Mailing Name: Not reported
Mailing Address: 233 S PATTERSON

Year: 2019
Gepaid: CAL000393424
TSD EPA ID: CAD059494310
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05000

Year: 2018
Gepaid: CAL000393424
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10000

Year: 2017
Gepaid: CAL000393424
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2016
Gepaid: CAL000393424
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2015
Gepaid: CAL000393424
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2014
Gepaid: CAL000393424
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.115

Additional Info:
Year: 2014
Gen EPA ID: CAL000393424

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Shipment Date:	20141120
Creation Date:	3/27/2015 22:15:05
Receipt Date:	20141204
Manifest ID:	004503415SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.075
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:	20140815
Creation Date:	11/22/2014 22:15:06
Receipt Date:	20140902
Manifest ID:	004425676SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.04
Waste Quantity:	80
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:	CAL000393424

Shipment Date:	20150506
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150521

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Manifest ID:	004833509SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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

Additional Info:

Year:	2016
Gen EPA ID:	CAL000393424
Shipment Date:	20150506
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150521
Manifest ID:	004833509SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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

Additional Info:

Year:	2017
Gen EPA ID:	CAL000393424
Shipment Date:	20170324

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Creation Date:	5/4/2018 18:31:04
Receipt Date:	20170330
Manifest ID:	005944759SKS
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:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.1
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

CERS:

Name:	O'REILLY AUTO PARTS #3046
Address:	510 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	139270
CERS ID:	10459891
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	01-26-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Facility has complied with the 2018 reporting requirement. Reviewed and declined HMBEP submittal. The following corrections are needed: CHEMICAL INVENTORY Waste Absorbent - Add the CAS#s to the Mixture Chart for the components that are listed. (only the oil is hazardous) Waste Oil G add the CAS# for the waste oil to the mixture chart (64742-65-0)
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	03-25-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS 10459891 Accepted 2017 Annual Certification for the following elements: Facility Information Chemical Inventory Emergency Response and Training Plan
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Eval General Type:	Other/Unknown
Eval Date:	04-16-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	2016 review: CERS 2 HazMat = HW - Accepted | RUR to Stat 04
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	05-22-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review 2015 HMBEP in CERS. Accepted.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	05-22-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review 2015 HMBEP in CERS. Accepted. New EPA ID # CAL000393424.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Onsite to conduct a routine hazardous waste inspection. Met with Steve Farrar. Inspected used oil, drained used oil/fuel filters, absorbent, and product breaks/returns(ignitables, reactives, corrosives, toxics). Drums were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums on a weekly basis. A Hazardous Waste label was noted on all drums with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Steve Farrar. During the inspection the following was observed: Reviewed list of chemicals stored onsite

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

and online. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online. Completely reviewed and approved online CUPA form submittal on California Environmental Reporting System (CERS) The details of this report were discussed with Steve Farrar. A copy of this report will be mailed to the facility.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. An inspection of the facility was completed with Steve Farrar. Observed the hazardous materials storage areas. The following reportable hazardous materials were observed today: - Used oily absorbents - Used motor oil Reviewed and verified site map item locations. Emergency response and contact information is available for review. Annual employee training records are current.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. An inspection of the facility was completed with Steve farrar. Observed the waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include damaged and returned flammables, corrosives, reactives, universal wastes, oil, and oily absorbents. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Onsite to conduct a routine hazardous waste inspection. Met with Cody Snodgrass. Inspected used oil, drained used oil/fuel filters, absorbents, broken or returned products(ignitables, reactives, corrosives, and toxics). Drums were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums on a weekly basis. A Hazardous Waste label was noted on all drums with the required identification. Municipal dumpster area does not appear to contain any

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Cody Snodgrass. During the inspection the following was observed: Reviewed list of chemicals stored onsite and online. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online. Completely reviewed and approved online CUPA form submittal on California Environmental Reporting System (CERS).
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: O'reilly #3046 510 E. 1st St Tustin, Ca 92780 On site to conduct a facility assessment and Hazardous Waste Inspection. Met with Sean Boyd, Site Manager, who explained the process, escorted me through the site, and gave consent to enter/inspect. Inspection Notes: The facility EPA ID number was verified correct. Hazardous waste containers are labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date Hazardous Waste Emergency Response information was available and onsite. Verified contact and owner information. The facility dumpster and perimeter were inspected. No hazardous waste was observed. Please visit our website www.occupainfo.com for our information [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Eval Notes:	Read/review 2015 HMBEP. Accepted.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	139270
Facility Name:	O'Reilly Auto Parts #3046
Env Int Type Code:	HWG
Program ID:	10459891
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.745630
Longitude:	-117.818510

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Erin Baltazar, Agent for O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(417) 862-3333

Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406

Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Department/OG Reilly Auto Parts
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Court, Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Affiliation Type Desc:	Legal Owner
Entity Name:	O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Not reported
Affiliation Address:	702 E. Bethany Home Road
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85014
Affiliation Phone:	(417) 862-3333

Affiliation Type Desc:	Document Preparer
Entity Name:	Erin Baltazar, Agent for O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Verisk 3E, Regulatory Dept./O'Reilly Auto, 3207 Grey Hawk Ct, Ste 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	O'Reilly Auto Parts
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	O'REILLY AUTO PARTS #3046
Address:	510 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803347
EPA ID:	CAL000393424
Inactive Date:	Not reported
Create Date:	01/23/2014
Last Act Date:	12/09/2020
Mailing Name:	Not reported
Mailing Address:	233 S PATTERSON
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SPRINGFIELD, MO 65802
Owner Name:	O'REILLY AUTO PARTS
Owner Address:	233 S PATTERSON
Owner Address 2:	Not reported

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **S118235335**

Owner City,State,Zip:	SPRINGFIELD, MO 658020000
Contact Name:	JOHN BOUNDS
Contact Address:	233 S. PATTERSON AVE.
Contact Address 2:	Not reported
City,State,Zip:	SPRINGFIELD, MO 65802

NAICS:

EPA ID:	CAL000393424
Create Date:	2014-01-23 11:56:50.603
NAICS Code:	44131
NAICS Description:	Automotive Parts and Accessories Stores
Issued EPA ID Date:	2014-01-23 11:56:50.60000
Inactive Date:	Not reported
Facility Name:	O'REILLY AUTO PARTS #3046
Facility Address:	510 E 1ST ST
Facility Address 2:	Not reported
Facility City:	TUSTIN
Facility County:	Not reported
Facility State:	CA
Facility Zip:	927803347

H29 **O'REILLY AUTO PARTS #3046** **RCRA NonGen / NLR** **1024842761**
SE **510 E 1ST ST** **CAL000393424**
1/8-1/4 **TUSTIN, CA 92780**
0.179 mi.
946 ft. **Site 2 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2014-01-23 00:00:00.0
Handler Name:	O'REILLY AUTO PARTS #3046
Handler Address:	510 E 1ST ST
Handler City,State,Zip:	TUSTIN, CA 92780-3347
EPA ID:	CAL000393424
Contact Name:	JOHN BOUNDS
Contact Address:	233 S. PATTERSON AVE.
Contact City,State,Zip:	SPRINGFIELD, MO 65802
Contact Telephone:	417-520-4589
Contact Fax:	417-874-7102
Contact Email:	JBOUNDS2@OREILLYAUTO.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:	233 S PATTERSON
Mailing City,State,Zip:	SPRINGFIELD, MO 65802-0000
Owner Name:	O'REILLY AUTO PARTS
Owner Type:	Other
Operator Name:	JOHN BOUNDS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No

DRAFT

O'REILLY AUTO PARTS #3046 (Continued) **1024842761**

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:	2018-09-06 17:03:49.0
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

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O'REILLY AUTO PARTS #3046 (Continued) **1024842761**

Owner/Operator Name:	O'REILLY AUTO PARTS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	233 S PATTERSON
Owner/Operator City,State,Zip:	SPRINGFIELD, MO 65802-0000
Owner/Operator Telephone:	417-862-3333
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN BOUNDS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	233 S. PATTERSON AVE.
Owner/Operator City,State,Zip:	SPRINGFIELD, MO 65802
Owner/Operator Telephone:	417-520-4589
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2014-01-23 00:00:00.0
Handler Name:	O'REILLY AUTO PARTS #3046
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:	44131
NAICS Description:	AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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H30 **SALLY BEAUTY SUPPLIES** **CERS HAZ WASTE** **S121019851**
SE **518 E 1ST ST** **HAZNET** **N/A**
1/8-1/4 **TUSTIN, CA 92780** **HWTS**
0.182 mi.
961 ft. **Site 3 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

CERS HAZ WASTE:

Name:	SALLY BEAUTY SUPPLY #1016
Address:	518 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	367553
CERS ID:	10665844
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	04-15-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Notified via CERS that the dba has changed to Sally Beauty Supply #1016. Submit RUR to change.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine inspection.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	11-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SALLY BEAUTY - 518 E 1ST ST, TUSTIN 92780 2017 CERS OW/BA
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	11-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	NFF: New record
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

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SALLY BEAUTY SUPPLIES (Continued) **S121019851**

Coordinates:

Site ID:	367553
Facility Name:	SALLY BEAUTY SUPPLY #1016
Env Int Type Code:	HWG
Program ID:	10665844
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.745630
Longitude:	-117.818510

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Ct., Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Karina Romero, Agent for Sally Holdings LLC
Entity Title:	Regulatory Business Solutions Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Sally Holdings LLC
Entity Title:	Not reported
Affiliation Address:	3001 Colorado Blvd.
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	76210
Affiliation Phone:	(940) 898-7500

Affiliation Type Desc:	Document Preparer
Entity Name:	Karina Romero, Agent for Sally Holdings LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Sally Beauty Supply LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

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SALLY BEAUTY SUPPLIES (Continued) **S121019851**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(940) 898-7500
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sally Holdings LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	DEBBIE MIDDLETON
Entity Title:	Not reported
Affiliation Address:	3001 Colorado Blvd.
Affiliation City:	Denton
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	76210
Affiliation Phone:	Not reported

HAZNET:

Name:	SALLY BEAUTY SUPPLIES
Address:	518 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 083500000
Contact:	DAVID EPSTEIN
Telephone:	8566928100
Mailing Name:	Not reported
Mailing Address:	PO BOX 339
Year:	2018
Gepaid:	CAL000411425
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.11750
Year:	2018
Gepaid:	CAL000411425
TSD EPA ID:	MXC130619001

SALLY BEAUTY SUPPLIES (Continued) **S121019851**

CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.02750

Year: 2018
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 352 - Other organic solids
Disposal Method: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons: 0.01000

Year: 2017
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.0495

Year: 2017
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 352 - Other organic solids
Disposal Method: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons: 0.0335

Year: 2017
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.1025

Year: 2016
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.075

Year: 2016
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 352 - Other organic solids
Disposal Method: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons: 0.0575

Year: 2016
Gepaid: CAL000411425
TSD EPA ID: MXC130619001
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.02

DRAFT

SALLY BEAUTY SUPPLIES (Continued) **S121019851**

Year:	2016
Gepaid:	CAL000411425
TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H123 - Settling Or Clarification
Tons:	0.115

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000411425
Shipment Date:	20171012
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171019
Manifest ID:	017798639JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
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:	20171012
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171019
Manifest ID:	017798639JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0075
Waste Quantity:	15

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SALLY BEAUTY SUPPLIES (Continued) **S121019851**

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:	20171012
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171019
Manifest ID:	017798639JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171012
Creation Date:	7/11/2018 18:31:13
Receipt Date:	20171019
Manifest ID:	017798639JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
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:	20170718

SALLY BEAUTY SUPPLIES (Continued) **S121019851**

Creation Date:	10/10/2018 18:30:31
Receipt Date:	20170728
Manifest ID:	017126701JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0475
Waste Quantity:	95
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:	20170718
Creation Date:	10/10/2018 18:30:31
Receipt Date:	20170728
Manifest ID:	017126701JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170718
Creation Date:	10/10/2018 18:30:31
Receipt Date:	20170728
Manifest ID:	017126701JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001

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SALLY BEAUTY SUPPLIES (Continued) **S121019851**

Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.009
Waste Quantity:	18
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:	20170718
Creation Date:	10/10/2018 18:30:31
Receipt Date:	20170728
Manifest ID:	017126701JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.006
Waste Quantity:	12
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:	20170411
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170419
Manifest ID:	017119261JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0375

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SALLY BEAUTY SUPPLIES (Continued) **S121019851**

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:	20170411
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170419
Manifest ID:	017119261JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000194217
Trans 2 Name:	TEMARRY RECYCLING INC
TSDF EPA ID:	MXC130619001
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SALLY BEAUTY SUPPLIES #1016
Address:	518 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803313
EPA ID:	CAL000411425
Inactive Date:	Not reported
Create Date:	10/21/2015
Last Act Date:	08/20/2020
Mailing Name:	Not reported
Mailing Address:	PO BOX 339
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RICHLAND, NJ 083500000
Owner Name:	SALLY BEAUTY HOLDING LLC
Owner Address:	3001 COLORADO BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	DENTON, TX 76210
Contact Name:	DEBBIE MIDDLETON
Contact Address:	3001 COLORADO BLVD
Contact Address 2:	Not reported
City,State,Zip:	DENTON, TX 762100000

NAICS:

EPA ID:	CAL000411425
Create Date:	2015-10-21 13:25:01.313

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SALLY BEAUTY SUPPLIES (Continued) **S121019851**

NAICS Code:	44612
NAICS Description:	Cosmetics, Beauty Supplies, and Perfume Stores
Issued EPA ID Date:	2015-10-21 13:25:01.31000
Inactive Date:	Not reported
Facility Name:	SALLY BEAUTY SUPPLIES #1016
Facility Address:	518 E 1ST ST
Facility Address 2:	Not reported
Facility City:	TUSTIN
Facility County:	Not reported
Facility State:	CA
Facility Zip:	927803313

H31 **SALLY BEAUTY SUPPLIES #1016** **RCRA NonGen / NLR** **1024852365**
SE **518 E 1ST ST** **CAL000411425**
1/8-1/4 **TUSTIN, CA 92780**
0.182 mi.
961 ft. **Site 4 of 14 in cluster H**

Relative: **Lower**

Actual: **132 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-07-27 00:00:00.0
Handler Name:	SALLY BEAUTY SUPPLIES #1016
Handler Address:	518 E 1ST ST
Handler City,State,Zip:	TUSTIN, CA 92780-3313
EPA ID:	CAL000411425
Contact Name:	DEBBIE MIDDLETON
Contact Address:	3001 COLORADO BLVD
Contact City,State,Zip:	DENTON, TX 76210
Contact Telephone:	940-297-4964
Contact Fax:	Not reported
Contact Email:	DMIDDLETON@SALLYBEAUTY.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:	GREY HAWK CT STE 200
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	SALLY BEAUTY HOLDING 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

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SALLY BEAUTY SUPPLIES #1016 (Continued) **1024852365**

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:	2020-08-04 11:22:44.0
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:	SALLY BEAUTY HOLDING LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3001 COLORADO BLVD
Owner/Operator City,State,Zip:	DENTON, TX 76210
Owner/Operator Telephone:	940-898-7500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

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SALLY BEAUTY SUPPLIES #1016 (Continued) **1024852365**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RANDY GOSS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3001 COLORADO BLVD
Owner/Operator City,State,Zip: DENTON, TX 76210
Owner/Operator Telephone: 940-898-7500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SALLY BEAUTY HOLDING LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3001 COLORADO BLVD
Owner/Operator City,State,Zip: DENTON, TX 76210
Owner/Operator Telephone: 940-898-7500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2015-10-21 00:00:00.0
Handler Name: SALLY BEAUTY SUPPLIES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2020-07-27 00:00:00.0
Handler Name: SALLY BEAUTY SUPPLIES #1016
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: 44612
NAICS Description: COSMETICS, BEAUTY SUPPLIES, AND PERFUME STORES

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SALLY BEAUTY SUPPLIES #1016 (Continued) **1024852365**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H32 **BIG 5 SPORTING GOODS #023** **RCRA NonGen / NLR** **1024851511**
SE **520 E 1ST ST** **CAL000410102**
1/8-1/4 **TUSTIN, CA 92780**
0.183 mi.
964 ft. **Site 5 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2015-09-14 00:00:00.0
Handler Name:	BIG 5 SPORTING GOODS #023
Handler Address:	520 E 1ST ST
Handler City,State,Zip:	TUSTIN, CA 92780-3313
EPA ID:	CAL000410102
Contact Name:	ROGER TANAKA EXT 5523
Contact Address:	2525 E EL SEGUNDO BLVD
Contact City,State,Zip:	EL SEGUNDO, CA 90245
Contact Telephone:	310-536-0611
Contact Fax:	Not reported
Contact Email:	ASHLEY.CAMPBELL@STERICYCLE.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:	2525 E EL SEGUNDO BLVD
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	BIG 5 CORP
Owner Type:	Other
Operator Name:	ROGER TANAKA EXT 5523
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

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BIG 5 SPORTING GOODS #023 (Continued) **1024851511**

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:	2018-09-06 17:06:40.0
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:	BIG 5 CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROGER TANAKA EXT 5523
Legal Status:	Other

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BIG 5 SPORTING GOODS #023 (Continued) **1024851511**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2525 E EL SEGUNDO BLVD
Owner/Operator City,State,Zip:	EL SEGUNDO, CA 90245
Owner/Operator Telephone:	310-536-0611
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2015-09-14 00:00:00.0
Handler Name:	BIG 5 SPORTING GOODS #023
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:	45111
NAICS Description:	SPORTING GOODS STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H33 **BIG 5 SPORTING GOODS #023** **CERS HAZ WASTE** **S118938694**
SE **520 E 1ST ST** **HAZNET** **N/A**
1/8-1/4 **TUSTIN, CA 92780** **HWTS**
0.183 mi.
964 ft. **Site 6 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

CERS HAZ WASTE:

Name:	BIG 5 SPORTING GOODS #023
Address:	520 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	366480
CERS ID:	10664344
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-06-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. An inspection of the facility was completed with James Young. Observed the waste storage area, perimeter of facility and trash container. Currently there is no

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BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

hazardous waste stored on site. Emergency response and contact information is on site and available for review. Verified the owner as Big 5 Sporting Goods Corporation.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 366480
Facility Name: BIG 5 SPORTING GOODS #023
Env Int Type Code: HWG
Program ID: 10664344
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.745630
Longitude: -117.818500

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ROGER TANAKA
Entity Title: Not reported
Affiliation Address: 2525 E. EL SEGUNDO BLVD
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2525 E. EL SEGUNDO BLVD
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Ashley Campbell
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: Not reported

Affiliation Type Desc: Operator
Entity Name: BIG 5 SPORTING GOODS #023
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

Affiliation Phone:	(714) 544-9808
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Document Preparer
Entity Name:	ASHLEY CAMPBELL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	BIG 5 SPORTING GOODS CORPORATION
Entity Title:	Not reported
Affiliation Address:	2525 E. EL SEGUNDO BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 350-2413
Affiliation Type Desc:	Parent Corporation
Entity Name:	BIG 5 SPORTING GOODS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HAZNET:

Name:	BIG 5 SPORTING GOODS #023
Address:	520 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803313
Contact:	ROGER TANAKA EXT 5523
Telephone:	3105360611
Mailing Name:	Not reported
Mailing Address:	2525 E EL SEGUNDO BLVD
Year:	2017
Gepaid:	CAL000410102
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics

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BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2016
Gepaid:	CAL000410102
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Year:	2016
Gepaid:	CAL000410102
TSD EPA ID:	CAD008364432
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:	0.0005
Year:	2015
Gepaid:	CAL000410102
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.001
Year:	2015
Gepaid:	CAL000410102
TSD EPA ID:	CAD008364432
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:	0.0005

Additional Info:

Year:	2015
Gen EPA ID:	CAL000410102
Shipment Date:	20151030
Creation Date:	1/7/2016 22:15:09
Receipt Date:	20151105
Manifest ID:	008474798FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

DRAFT

BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

Quantity Tons:	0.0005
Waste Quantity:	1
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:	20151030
Creation Date:	1/7/2016 22:15:09
Receipt Date:	20151105
Manifest ID:	008474798FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.0005
Waste Quantity:	1
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:	20151030
Creation Date:	1/7/2016 22:15:09
Receipt Date:	20151105
Manifest ID:	008474798FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DRAFT

BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000410102

Shipment Date: 20151030
Creation Date: 1/7/2016 22:15:09
Receipt Date: 20151105
Manifest ID: 008474798FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151030
Creation Date: 1/7/2016 22:15:09
Receipt Date: 20151105
Manifest ID: 008474798FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste 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: 0.0005
Waste Quantity: 1
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: 20151030

BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

Creation Date:	1/7/2016 22:15:09
Receipt Date:	20151105
Manifest ID:	008474798FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.0005
Waste Quantity:	1
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:	CAL000410102
Shipment Date:	20170421
Creation Date:	5/9/2018 18:31:26
Receipt Date:	20170502
Manifest ID:	010029380FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	S S T
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.002
Waste Quantity:	4
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:	BIG 5 SPORTING GOODS #023
Address:	520 E 1ST ST

BIG 5 SPORTING GOODS #023 (Continued) **S118938694**

Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803313
EPA ID:	CAL000410102
Inactive Date:	Not reported
Create Date:	09/14/2015
Last Act Date:	11/02/2020
Mailing Name:	Not reported
Mailing Address:	2525 E EL SEGUNDO BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	BIG 5 CORP
Owner Address:	2525 E EL SEGUNDO BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	EL SEGUNDO, CA 90245
Contact Name:	ROGER TANAKA EXT 5523
Contact Address:	2525 E EL SEGUNDO BLVD
Contact Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245

NAICS:

EPA ID:	CAL000410102
Create Date:	2015-09-14 09:39:34.880
NAICS Code:	45111
NAICS Description:	Sporting Goods Stores
Issued EPA ID Date:	2015-09-14 09:39:34.88000
Inactive Date:	Not reported
Facility Name:	BIG 5 SPORTING GOODS #023
Facility Address:	520 E 1ST ST
Facility Address 2:	Not reported
Facility City:	TUSTIN
Facility County:	Not reported
Facility State:	CA
Facility Zip:	927803313

H34 **LARWIN SQUARE CLEANERS** **DRYCLEANERS** **S121694610**
SE **540 E FIRST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.189 mi.
999 ft. **Site 7 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

DRYCLEAN SOUTH COAST:

Name:	LARWIN SQUARE CLEANERS
Address:	540 E FIRST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	123767
Application Number:	370960
Permit Number:	Not reported
Status:	O
Representative Name:	CHANG M CHUNG
Representative Telephone:	714 5447087
Permit Status:	Not reported
BCAT Number:	000601
BCAT Description:	DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	0
UTM North:	0

LARWIN SQUARE CLEANERS (Continued) **S121694610**

Application Date:	06/08/2000
PO Issue Date:	12/31/9999
NAICS Code:	Not reported
SIC Code:	7216

H35 **LARWIN SQUARE CLEANERS** **DRYCLEANERS** **S106167405**
SE **540 E 1ST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.189 mi.
999 ft. **Site 8 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

DRYCLEAN SOUTH COAST:

Name:	LARWIN SQUARE CLEANERS
Address:	540 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	44272
Application Number:	148405
Permit Number:	M55424
Status:	S
Representative Name:	CHANG M. CHUNG
Representative Telephone:	714 5447087
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	424.17800903
UTM North:	3734.0568848
Application Date:	09/11/1986
PO Issue Date:	03/12/1987
NAICS Code:	812320
SIC Code:	7216

Name:	LARWIN SQUARE CLEANERS
Address:	540 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	44272
Application Number:	254452
Permit Number:	D42459
Status:	S
Representative Name:	CHANG M. CHUNG
Representative Telephone:	714 5447087
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	424.17800903
UTM North:	3734.0568848
Application Date:	07/19/1991
PO Issue Date:	08/27/1991
NAICS Code:	812320
SIC Code:	7216

Name:	LARWIN SQUARE CLEANERS
Address:	540 E 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	44272

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LARWIN SQUARE CLEANERS (Continued) **S106167405**

Application Number:	375581
Permit Number:	F34858
Status:	S
Representative Name:	CHANG M. CHUNG
Representative Telephone:	714 5447087
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	424.17800903
UTM North:	3734.0568848
Application Date:	10/18/2000
PO Issue Date:	11/02/2000
NAICS Code:	812320
SIC Code:	7216

DRYCLEANERS:

Name:	LARWIN SQUARE CLEANERS
Address:	540 E 1ST ST
City,State,Zip:	TUSTIN, CA 927803313
EPA Id:	CAL000299744
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	10/24/2005
Facility Active:	No
Inactive Date:	06/30/2010
Facility Addr2:	Not reported
Owner Name:	SANG HYUN KIM
Owner Address:	540 E 1ST ST
Owner Address 2:	Not reported
Owner Telephone:	7145447087
Contact Name:	SANG HYUN KIM/OWNER
Contact Address:	540 E 1ST ST
Contact Address 2:	Not reported
Contact Telephone:	7145447087
Contact Fax:	0
Mailing Name:	Not reported
Mailing Address 1:	13444 NEWPORT AVE STE A
Mailing Address 2:	Not reported
Mailing City:	TUSTIN
Mailing State:	CA
Mailing Zip:	927803759
Owner Fax:	0
Region Code:	4
Latitude:	33.74565
Longitude:	-117.81804

DRAFT

H36 **LARWIN SQUARE CLEANERS** **DRYCLEANERS** **S121695802**
SE **540 E FIRST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.189 mi.
999 ft. **Site 9 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

DRYCLEAN SOUTH COAST:

Name:	LARWIN SQUARE CLEANERS
Address:	540 E FIRST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	146197
Application Number:	449675
Permit Number:	F82433
Status:	A
Representative Name:	SANG HYUN KIM
Representative Telephone:	714 5447087
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	424.22000122
UTM North:	3734.0600586
Application Date:	04/20/2006
PO Issue Date:	06/01/2006
NAICS Code:	812320
SIC Code:	7216

Name:	LARWIN SQUARE CLEANERS
Address:	540 E FIRST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	146197
Application Number:	468170
Permit Number:	F89848
Status:	A
Representative Name:	SANG HYUN KIM
Representative Telephone:	714 5447087
Permit Status:	INACT_NR
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	424.22000122
UTM North:	3734.0600586
Application Date:	04/24/2007
PO Issue Date:	05/18/2007
NAICS Code:	812320
SIC Code:	7216

H37 **LARWIN SQUARE CLEANERS** **DRYCLEANERS** **S121693935**
SE **546 E FIRST ST** **N/A**
1/8-1/4 **TUSTIN, CA 92680**
0.191 mi.
1010 ft. **Site 10 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

DRYCLEAN SOUTH COAST:

Name:	LARWIN SQUARE CLEANERS
Address:	546 E FIRST ST
City,State,Zip:	TUSTIN, CA 92680
Facility ID:	11232

DRAFT

LARWIN SQUARE CLEANERS (Continued) **S121693935**

Application Number:	122870
Permit Number:	M39177
Status:	O
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	0
UTM North:	0
Application Date:	03/29/1984
PO Issue Date:	06/27/1984
NAICS Code:	Not reported
SIC Code:	7216

Name:	LARWIN SQUARE CLEANERS
Address:	546 E FIRST ST
City,State,Zip:	TUSTIN, CA 92680
Facility ID:	11232
Application Number:	07849A
Permit Number:	S04706
Status:	O
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	0
UTM North:	0
Application Date:	12/31/9999
PO Issue Date:	06/02/1980
NAICS Code:	Not reported
SIC Code:	7216

H38 **PAM PACIFIC RETAIL PROPERTIES** **RCRA-SQG** **1025882597**
SE **546 E FIRST ST** **CAR000146126**
1/8-1/4 **TUSTIN, CA 92780**
0.191 mi.
1010 ft. **Site 11 of 14 in cluster H**

Relative: **Lower**
Actual: **132 ft.**

RCRA-SQG:

Date Form Received by Agency:	2003-07-10 00:00:00.0
Handler Name:	PAM PACIFIC RETAIL PROPERTIES
Handler Address:	546 E FIRST ST
Handler City,State,Zip:	TUSTIN, CA 92780
EPA ID:	CAR000146126
Contact Name:	RANDY BENNETT
Contact Address:	546 E FIRST ST
Contact City,State,Zip:	TUSTIN, CA 92780
Contact Telephone:	760-727-1002
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09

DRAFT

PAM PACIFIC RETAIL PROPERTIES (Continued) **1025882597**

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:	546 E FIRST ST
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	PAM PACIFIC RETAIL PROPERTIES
Owner Type:	Private
Operator Name:	PAM PACIFIC RETAIL PROPERTIES
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site 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

DRAFT

PAM PACIFIC RETAIL PROPERTIES (Continued) **1025882597**

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:	2003-08-13 14:01:50.0
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:	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 SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PAM PACIFIC RETAIL PROPERTIES
Legal Status:	Private
Date Became Current:	2002-07-01 00:00:00.
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:	PAM PACIFIC RETAIL PROPERTIES
Legal Status:	Private
Date Became Current:	2002-07-01 00:00:00.
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

Historic Generators:

Receive Date:	2003-07-10 00:00:00.0
Handler Name:	PAM PACIFIC RETAIL PROPERTIES
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

DRAFT

PAM PACIFIC RETAIL PROPERTIES (Continued) **1025882597**

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

H39 **LARWIN SQUARE - FORMER DRY CLEANER** **CPS-SLIC** **S106487160**
SE **546 EAST 1ST STREET** **CERS** **N/A**
1/8-1/4 **TUSTIN, CA**
0.191 mi.
1010 ft. **Site 12 of 14 in cluster H**

Relative:
Lower

Actual:
132 ft.

CPS-SLIC:
Name: LARWIN SQUARE - FORMER DRY CLEANER
Address: 546 EAST 1ST STREET
City,State,Zip: TUSTIN, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/08/2009
Global Id: SL0605949804
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.745676
Longitude: -117.817972
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Tetrachloroethylene (PCE)
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: LARWIN SQUARE - FORMER DRY CLEANER
Address: 546 EAST 1ST STREET
City,State,Zip: TUSTIN, CA
Site ID: 197997
CERS ID: SL0605949804
CERS Description: Cleanup Program Site

DRAFT

H40 **LARWIN SQUARE CLEANERS** **RCRA-SQG** **1000985123**
SE **546 E 1ST** **FINDS** **CAR000002345**
1/8-1/4 **TUSTIN, CA 92680** **ECHO**
0.191 mi. **HAZNET**
1010 ft. **Site 13 of 14 in cluster H** **HWTS**

Relative: **Lower**

Actual: **132 ft.**

RCRA-SQG:

Date Form Received by Agency:		1995-04-27 00:00:00.0
Handler Name:	LARWIN SQUARE CLEANERS	
Handler Address:		546 E 1ST
Handler City,State,Zip:		TUSTIN, CA 92680
EPA ID:		CAR000002345
Contact Name:		CHANG CHUNG
Contact Address:		546 E 1ST
Contact City,State,Zip:		TUSTIN, CA 92680
Contact Telephone:		714-544-7087
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:		546 E 1ST
Mailing City,State,Zip:		TUSTIN, CA 92680
Owner Name:		NOT REQUIRED
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

DRAFT

LARWIN SQUARE CLEANERS (Continued) **1000985123**

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:	2002-06-27 03:37:44.0
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:	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

Historic Generators:

Receive Date:	1995-04-27 00:00:00.0
Handler Name:	LARWIN SQUARE CLEANERS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

DRAFT

LARWIN SQUARE CLEANERS (Continued) **1000985123**

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: 110006485339

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000985123
Registry ID: 110006485339
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006485339
Name: LARWIN SQUARE CLEANERS
Address: 546 E 1ST
City,State,Zip: TUSTIN, CA 92680

HAZNET:
Name: LARWIN SQUARE CLEANERS
Address: 546 E 1ST
Address 2: Not reported
City,State,Zip: TUSTIN, CA 926800000
Contact: CHANG CHUNG/OWNER
Telephone: --
Mailing Name: Not reported
Mailing Address: 546 E 1ST ST

Year: 1999
Gepaid: CAR000002345
TSD EPA ID: CAD981375983
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: -
Tons: 0

Year: 1999

DRAFT

LARWIN SQUARE CLEANERS (Continued) **1000985123**

Gepaid: CAR000002345
TSD EPA ID: CAD981375983
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01 - Recycler
Tons: 0

Year: 1999
Gepaid: CAR000002345
TSD EPA ID: CAD981375983
CA Waste Code: 751 - Solids or sludges with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: R01 - Recycler
Tons: 0.06

Year: 1995
Gepaid: CAR000002345
TSD EPA ID: CAD981397417
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01 - Recycler
Tons: 0.321

Additional Info:
Year: 1999
Gen EPA ID: CAR000002345

Shipment Date: 19991122
Creation Date: 2/1/2000 0:00:00
Receipt Date: 19991210
Manifest ID: 99360897
Trans EPA ID: CAD981375983
Trans Name: Not reported
Trans 2 EPA ID: CAD980585780
Trans 2 Name: Not reported
TSDF EPA ID: CAD981375983
Trans Name: Not reported
TSDF Alt EPA ID: CAD981375983
TSDF Alt Name: Not reported
Waste Code Description: 751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code: F002
Meth Code: R01 - Recycler
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19991122
Creation Date: 2/1/2000 0:00:00
Receipt Date: 19991210
Manifest ID: 99360897
Trans EPA ID: CAD981375983

DRAFT

LARWIN SQUARE CLEANERS (Continued) **1000985123**

Trans Name:	Not reported
Trans 2 EPA ID:	CAD980585780
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981375983
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981375983
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991122
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991210
Manifest ID:	99360897
Trans EPA ID:	CAD981375983
Trans Name:	Not reported
Trans 2 EPA ID:	CAD980585780
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981375983
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981375983
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D039
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAR000002345
Shipment Date:	19951221
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19951222
Manifest ID:	95897210
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417

LARWIN SQUARE CLEANERS (Continued) **1000985123**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951221
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19951222
Manifest ID:	95897210
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1959
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950517
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950518
Manifest ID:	95662843
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler

DRAFT

LARWIN SQUARE CLEANERS (Continued) **1000985123**

Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950517
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950518
Manifest ID:	95662843
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LARWIN SQUARE CLEANERS
Address:	546 E 1ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 926800000
EPA ID:	CAR000002345
Inactive Date:	06/30/1998
Create Date:	12/08/1995
Last Act Date:	07/06/2010
Mailing Name:	Not reported
Mailing Address:	546 E 1ST ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TUSTIN, CA 927800000
Owner Name:	CHANG M CHUNG
Owner Address:	546 E 1ST ST
Owner Address 2:	Not reported
Owner City,State,Zip:	TUSTIN, CA --
Contact Name:	CHANG CHUNG/OWNER
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	- BATCH 4/27
City,State,Zip:	TUSTIN, CA --

DRAFT

H41
SE
1/8-1/4
0.191 mi.
1010 ft.

LARWIN SQUARE/FORMER DRY CLEANERS
546 E FIRST
TUSTIN, CA

Site 14 of 14 in cluster H

CPS-SLIC **S108985908**
N/A

Relative:
Lower

Actual:
132 ft.

SLIC REG 8:

Name:	LARWIN SQUARE/FORMER DRY CLEANERS
Address:	546 E FIRST
City:	TUSTIN
Type:	Soil and Groundwater
Facility Status:	Additional Characterization Underway
Staff:	WDM
Substance:	PCE
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

42
SSE
1/8-1/4
0.198 mi.
1047 ft.

B AND B MEDICAL INCINERATION
140 S CENTENNIAL WAY
TUSTIN, CA 92780

RCRA NonGen / NLR **1000308869**
FINDS **CAD982523383**
ECHO

Relative:
Lower

Actual:
131 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	1989-06-02 00:00:00.0
Handler Name:	B AND B MEDICAL INCINERATION
Handler Address:	140 S CENTENNIAL WAY
Handler City,State,Zip:	TUSTIN, CA 92780
EPA ID:	CAD982523383
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	140 S CENTENNIAL WAY
Contact City,State,Zip:	TUSTIN, CA 92680
Contact Telephone:	714-731-3469
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
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:	CA
State District:	4
Mailing Address:	PO BOX 544
Mailing City,State,Zip:	TUSTIN, CA 92681
Owner Name:	RICHARD BRADFORD
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
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

DRAFT

B AND B MEDICAL INCINERATION (Continued) **1000308869**

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
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:	2002-06-27 03:35:03.0
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:	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

DRAFT

B AND B MEDICAL INCINERATION (Continued) **1000308869**

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:	RICHARD BRADFORD
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

Historic Generators:

Receive Date:	1989-06-02 00:00:00.0
Handler Name:	B AND B MEDICAL INCINERATION
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
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: 110006480851

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

DRAFT

B AND B MEDICAL INCINERATION (Continued) **1000308869**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000308869
Registry ID:	110006480851
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006480851
Name:	B AND B MEDICAL INCINERATION
Address:	140 S CENTENNIAL WAY
City,State,Zip:	TUSTIN, CA 92780

I43 **MARLENE A MILLER DMD INC** **RCRA NonGen / NLR** **1024826975**
East **18102 IRVINE BLVD STE 203** **CAL000355628**
1/8-1/4 **TUSTIN, CA 92780**
0.202 mi.
1067 ft. **Site 1 of 2 in cluster I**

Relative: **Lower**

Actual: **134 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2010-08-10 00:00:00.0
Handler Name:	MARLENE A MILLER DMD INC
Handler Address:	18102 IRVINE BLVD STE 203
Handler City,State,Zip:	TUSTIN, CA 92780-3424
EPA ID:	CAL000355628
Contact Name:	MARLENE MILLER
Contact Address:	18102 IRVINE BLVD STE 203
Contact City,State,Zip:	TUSTIN, CA 92780
Contact Telephone:	714-544-5337
Contact Fax:	714-544-1558
Contact Email:	MILLERPERIO@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	18102 IRVINE BLVD STE 203
Mailing City,State,Zip:	TUSTIN, CA 92780-3424
Owner Name:	MARLENE A MILLER DMD INC
Owner Type:	Other
Operator Name:	MARLENE MILLER
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

DRAFT

MARLENE A MILLER DMD INC (Continued) **1024826975**

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:	2018-09-05 20:33:27.0
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:	MARLENE MILLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18102 IRVINE BLVD STE 203
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-544-5337
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

DRAFT

MARLENE A MILLER DMD INC (Continued) **1024826975**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARLENE A MILLER DMD INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18102 IRVINE BLVD STE 203
Owner/Operator City,State,Zip:	TUSTIN, CA 92780-3424
Owner/Operator Telephone:	714-544-5337
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-08-10 00:00:00.0
Handler Name:	MARLENE A MILLER DMD INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I44 **VISTA IMAGING CTR** **RCRA-SQG** **1000686117**
East **18102 IRVINE BLVD STE 201 AND** **CAD983633421**
1/8-1/4 **TUSTIN, CA 92780**
0.202 mi.
1067 ft. **Site 2 of 2 in cluster I**

Relative:
Lower

Actual:
134 ft.

RCRA-SQG:

Date Form Received by Agency:		1992-04-03 00:00:00.0
Handler Name:	VISTA IMAGING CTR	
Handler Address:		18102 IRVINE BLVD STE 201 AND
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAD983633421
Contact Name:		EVA DE LA CUESTA
Contact Address:		18102 IRVINE BLVD STE 201 AND
Contact City,State,Zip:		TUSTIN, CA 92680
Contact Telephone:		714-838-1533
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported

DRAFT

VISTA IMAGING CTR (Continued) **1000686117**

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:	18102 IRVINE BLVD STE 201 AND
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	VISTA IMAGING CTR
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
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

DRAFT

VISTA IMAGING CTR (Continued) **1000686117**

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:	2002-06-27 03:36:00.0
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:	VISTA IMAGING CTR
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18102 IRVINE BLVD STE 201
Owner/Operator City,State,Zip:	TUSTIN, CA 92680-3477
Owner/Operator Telephone:	714-838-1533
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1992-04-03 00:00:00.0
Handler Name: VISTA IMAGING CTR	
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 Code:	621511
NAICS Description:	MEDICAL LABORATORIES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

DRAFT

J45 **ECONO LUBE N TUNE NO 7** **RCRA-SQG** **1000317946**
WSW **155 W 1ST ST** **CA FID UST** **CAD103118477**
1/8-1/4 **TUSTIN, CA 92780** **FINDS**
0.212 mi. **ECHO**
1119 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
138 ft.

RCRA-SQG:

Date Form Received by Agency:		1996-02-28 00:00:00.0
Handler Name:	ECONO LUBE N TUNE NO 7	
Handler Address:		155 W 1ST ST
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAD103118477
Contact Name:		RICK FERNANDEZ
Contact Address:		155 W 1ST ST
Contact City,State,Zip:		TUSTIN, CA 92680
Contact Telephone:		714-731-8990
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:		CA
State District:		4
Mailing Address:		155 W 1ST ST
Mailing City,State,Zip:		TUSTIN, CA 92780
Owner Name:		RICK FERNANDEZ
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site 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

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ECONO LUBE N TUNE NO 7 (Continued) **1000317946**

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:	2002-09-17 13:59:36.0
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:	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
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:	RICK FERNANDEZ
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	155 W 1ST ST
Owner/Operator City,State,Zip:	TUSTIN, CA 92680
Owner/Operator Telephone:	714-731-8990
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

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ECONO LUBE N TUNE NO 7 (Continued) **1000317946**

Historic Generators:
- Receive Date: 1996-02-28 00:00:00.0
- Handler Name: ECONO LUBE N TUNE NO 7
- Federal Waste Generator Description: Small Quantity Generator
- State District Owner: CA
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- 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 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
- 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

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ECONO LUBE N TUNE NO 7 (Continued) **1000317946**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-04-10 00:00:00.0
Actual Return to Compliance Date:	1994-08-04 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
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
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:	1994-08-04 00:00:00.0
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
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:	1992-04-10 00:00:00.0
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

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ECONO LUBE N TUNE NO 7 (Continued) **1000317946**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1994-08-04 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CA FID UST:

Facility ID:	30008889
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145521949
Mail To:	Not reported
Mailing Address:	ATTN: JOHN MC CAW 15 ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TUSTIN 92680
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

FINDS:

Registry ID: 110006468296

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000317946
Registry ID:	110006468296
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006468296
Name:	ECONO LUBE N TUNE NO 7
Address:	155 W 1ST ST
City,State,Zip:	TUSTIN, CA 92780

DRAFT

J46 **ECONO LUBE N TUNE #7** **UST** **U004003636**
WSW **155 W 1ST ST** **SWEEPS UST** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.212 mi.
1119 ft. **Site 2 of 2 in cluster J**

Relative: **Higher**

Actual: **138 ft.**

UST:

Name:	ECONO LUBE N TUNE #7
Address:	155 W 1ST ST
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	3245
Permitting Agency:	ORANGE COUNTY
CERSID:	Not reported
Latitude:	33.7473657
Longitude:	-117.8233987

SWEEPS UST:

Name:	ECONO LUBE N TUNE #7
Address:	155 W 1ST ST
City:	TUSTIN
Status:	Active
Comp Number:	3245
Number:	9
Board Of Equalization:	44-016027
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003245-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	1

K47 **RITE AID #5755** **RCRA-LQG** **1014387745**
SE **630 E 1ST ST** **HAZNET** **CAR000213173**
1/8-1/4 **TUSTIN, CA 92780** **HWTS**
0.225 mi.
1190 ft. **Site 1 of 2 in cluster K**

Relative: **Lower**

Actual: **132 ft.**

RCRA-LQG:

Date Form Received by Agency:		2020-02-13 00:00:00.0
Handler Name:	RITE AID #5755	
Handler Address:		630 E 1ST ST
Handler City,State,Zip:		TUSTIN, CA 92780-0000
EPA ID:		CAR000213173
Contact Name:		JOSEPH A CHEST
Contact Address:		HUNTER LN
Contact City,State,Zip:		CAMP HILL, PA 17011
Contact Telephone:		717-975-8643
Contact Fax:		717-972-3989
Contact Email:		EHS@RITEAID.COM
Contact Title:		MANAGER, ENVIRONMENTAL HEALTH & SAFETY
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator

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RITE AID #5755 (Continued) **1014387745**

Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	HUNTER LN
Mailing City,State,Zip:	CAMP HILL, PA 17011
Owner Name:	PK II LARWIN SQUARE SC LP
Owner Type:	Private
Operator Name:	THRIFTY PAYLESS INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site 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

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RITE AID #5755 (Continued) **1014387745**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-10-15 14:03:03.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

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:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code:	D026
Waste Description:	CRESOL

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RITE AID #5755 (Continued) **1014387745**

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U160
Waste Description: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U279
Waste Description: U279

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: PK II LARWIN SQUARE SC LP
Legal Status: Private
Date Became Current: 1961-06-29 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 1631-B S MELROSE DR
Owner/Operator City,State,Zip: VISTA, CA 92083
Owner/Operator Telephone: 760-727-1002
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THRIFTY PAYLESS INC
Legal Status: Private
Date Became Current: 1997-04-09 00:00:00.
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: THRIFTY PAYLESS INC

RITE AID #5755 (Continued) **1014387745**

Legal Status:	Private
Date Became Current:	1997-04-09 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
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:	THRIFTY PAYLESS INC
Legal Status:	Private
Date Became Current:	1997-04-09 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
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:	THRIFTY PAYLESS INC
Legal Status:	Private
Date Became Current:	1997-04-09 00:00:00.
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:	RITE AID CORP
Legal Status:	Private
Date Became Current:	1962-09-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-730-8225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PK II LARWIN SQUARE SC LP
Legal Status:	Private
Date Became Current:	1961-06-29 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1631-B S MELROSE DR
Owner/Operator City,State,Zip:	VISTA, CA 92083
Owner/Operator Telephone:	760-727-1002
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PK II LARWIN SQUARE SC LP
Legal Status:	Private
Date Became Current:	1961-06-29 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1631-B S MELROSE DR
Owner/Operator City,State,Zip:	VISTA, CA 92083
Owner/Operator Telephone:	760-727-1002
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PK II LARWIN SQUARE SC LP
Legal Status:	Private
Date Became Current:	1961-06-29 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1631 B SOUTH MELROSE DR
Owner/Operator City,State,Zip:	VISTA, CA 92083
Owner/Operator Telephone:	760-727-1002
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RITE AID CORP
Legal Status:	Private
Date Became Current:	1962-09-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-730-8225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2017-04-14 00:00:00.0
Handler Name: RITE AID #5755	
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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-02-13 00:00:00.0
Handler Name: RITE AID #5755	
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

DRAFT

RITE AID #5755 (Continued) **1014387745**

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: 2010-09-08 00:00:00.0
Handler Name: RITE AID 5755
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: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-08-05 00:00:00.0
Handler Name: RITE AID NO 5755
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: 2019-04-29 00:00:00.0
Handler Name: RITE AID #5755
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: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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RITE AID #5755 (Continued) **1014387745**

HAZNET:

Name:	RITE AID #5755
Address:	630 EAST 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 17011
Contact:	JOSEPH A. CHEST
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Year:	2019
Gepaid:	CAR000213173
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.25250
Year:	2019
Gepaid:	CAR000213173
TSD EPA ID:	NVT330010000
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00650
Year:	2019
Gepaid:	CAR000213173
TSD EPA ID:	NVT330010000
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.00100
Year:	2019
Gepaid:	CAR000213173
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.25800
Year:	2019
Gepaid:	CAR000213173
TSD EPA ID:	NVT330010000
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.00500
Year:	2019
Gepaid:	CAR000213173
TSD EPA ID:	NVT330010000
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02550

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RITE AID #5755 (Continued) **1014387745**

Year: 2019
Gepaid: CAR000213173
TSD EPA ID: NVT330010000
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.00250

Year: 2019
Gepaid: CAR000213173
TSD EPA ID: NVT330010000
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.01300

Year: 2018
Gepaid: CAR000213173
TSD EPA ID: NVT330010000
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.14100

Year: 2018
Gepaid: CAR000213173
TSD EPA ID: NVT330010000
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.00300

Click this hyperlink while viewing on your computer to access
42 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2010
Gen EPA ID: CAR000213173

Shipment Date: 20101222
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000074531MWI
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICE OF POMONA LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: Not reported

DRAFT

RITE AID #5755 (Continued) **1014387745**

Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000074531MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICE OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101222
Creation Date:	3/31/2011 18:30:08
Receipt Date:	20101228
Manifest ID:	000074531MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICE OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.012
Waste Quantity:	24
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

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RITE AID #5755 (Continued) **1014387745**

Shipment Date:	20101222
Creation Date:	3/31/2011 18:30:08
Receipt Date:	20101228
Manifest ID:	000074531MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICE OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported

Shipment Date:	20101222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000074531MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICE OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.024
Waste Quantity:	48
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:	CAR000213173

Shipment Date:	20151208
Creation Date:	Not reported
Receipt Date:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.047
Waste Quantity:	94
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:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
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:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

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RITE AID #5755 (Continued) **1014387745**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
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:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.002

RITE AID #5755 (Continued) **1014387745**

Waste Quantity:	4
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:	20151208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - 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:	0.243
Waste Quantity:	486
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:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.016
Waste Quantity:	32
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

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RITE AID #5755 (Continued) **1014387745**

Shipment Date:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D007
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

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RITE AID #5755 (Continued) **1014387745**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D007
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000213173
Shipment Date:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.002
Waste Quantity:	4
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:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

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RITE AID #5755 (Continued) **1014387745**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
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:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.047

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RITE AID #5755 (Continued) **1014387745**

Waste Quantity:	94
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:	20151208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - 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:	0.243
Waste Quantity:	486
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:	20151208
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151215
Manifest ID:	008441655FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
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

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RITE AID #5755 (Continued) **1014387745**

Shipment Date:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
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:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste 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:	0.0485
Waste Quantity:	97
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:	20150916
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008444502FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

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RITE AID #5755 (Continued) **1014387745**

Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 561 - 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: 0.1155
Waste Quantity: 231
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: 20150916
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008444502FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 561 - 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: 0.039
Waste Quantity: 78
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: CAR000213173

Shipment Date: 20141021
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007264551FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC

RITE AID #5755 (Continued) **1014387745**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
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:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005

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RITE AID #5755 (Continued) **1014387745**

Waste Quantity:	1
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:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
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:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Shipment Date:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical 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:	0.0565
Waste Quantity:	113
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:	20141021
Creation Date:	1/14/2015 22:14:51
Receipt Date:	20141030
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
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:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

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RITE AID #5755 (Continued) **1014387745**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
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:	20141021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141021
Creation Date:	1/14/2015 22:14:51
Receipt Date:	20141030
Manifest ID:	007264551FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

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RITE AID #5755 (Continued) **1014387745**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0185
Waste Quantity: 37
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: CAR000213173

Shipment Date: 20130717
Creation Date: 9/17/2013 22:15:12
Receipt Date: 20130729
Manifest ID: 000560788PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0545
Waste Quantity: 109
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: 20130717
Creation Date: 9/17/2013 22:15:12
Receipt Date: 20130729
Manifest ID: 000560788PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM 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: 0.0095

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RITE AID #5755 (Continued) **1014387745**

Waste Quantity:	19
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:	20130717
Creation Date:	9/17/2013 22:15:12
Receipt Date:	20130729
Manifest ID:	000560788PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.043
Waste Quantity:	86
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:	2012
Gen EPA ID:	CAR000213173
Shipment Date:	20120917
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005842882FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
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:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120917
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005842882FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.007
Waste Quantity:	14
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:	20120917
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005842882FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0015
Waste Quantity:	3
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:	20120917
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005842882FLE

DRAFT

RITE AID #5755 (Continued) **1014387745**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120917
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005842882FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120917
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005842882FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
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:	20120917
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005842882FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
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:	20120118
Creation Date:	3/27/2012 20:30:35
Receipt Date:	20120119
Manifest ID:	000244227PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0725
Waste Quantity:	145
Quantity Unit:	P

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RITE AID #5755 (Continued) **1014387745**

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:	20120118
Creation Date:	3/27/2012 20:30:35
Receipt Date:	20120119
Manifest ID:	000244227PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.0795
Waste Quantity:	159
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:	CAR000213173
Shipment Date:	20111230
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120111
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111230
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0015
Waste Quantity:	3
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:	20111230
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120111
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111230
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120111
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924

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RITE AID #5755 (Continued) **1014387745**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
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:	0.0025
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:	20111230
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120111
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
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:	20111230
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

RITE AID #5755 (Continued) **1014387745**

Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
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:	20111230
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
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:	20111230
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111230
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111230
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004056930FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	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:	CAR000213173

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RITE AID #5755 (Continued) **1014387745**

Shipment Date:	20171212
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.0485
Waste Quantity:	97
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:	20171212
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
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:	20171212
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000

DRAFT

RITE AID #5755 (Continued) **1014387745**

Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D011

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RITE AID #5755 (Continued) **1014387745**

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:	D010
Additional Code 2:	D007
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.0435
Waste Quantity:	87
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:	20171212
Creation Date:	7/5/2018 18:31:14
Receipt Date:	20171218
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

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RITE AID #5755 (Continued) **1014387745**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	7/5/2018 18:31:14
Receipt Date:	20171218
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.032
Waste Quantity:	64
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	7/5/2018 18:31:14
Receipt Date:	20171218
Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
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:	20171212
Creation Date:	7/5/2018 18:31:14
Receipt Date:	20171218

DRAFT

RITE AID #5755 (Continued) **1014387745**

Manifest ID:	010837279FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	RITE AID #5755
Address:	630 EAST 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927800000
EPA ID:	CAR000213173
Inactive Date:	Not reported
Create Date:	09/27/2010
Last Act Date:	10/06/2020
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CAMP HILL, PA 17011
Owner Name:	THRIFTY PAYLESS INC
Owner Address:	30 HUNTER LN
Owner Address 2:	Not reported
Owner City,State,Zip:	CAMP HILL, PA 17011
Contact Name:	JOSEPH A. CHEST
Contact Address:	30 HUNTER LANE
Contact Address 2:	Not reported
City,State,Zip:	CAMP HILL, PA 17011

NAICS:

EPA ID:	CAR000213173
Create Date:	2012-11-14 11:37:02.103
NAICS Code:	44611
NAICS Description:	Pharmacies and Drug Stores
Issued EPA ID Date:	2010-09-27 10:29:28
Inactive Date:	Not reported
Facility Name:	RITE AID #5755
Facility Address:	630 EAST 1ST ST
Facility Address 2:	Not reported
Facility City:	TUSTIN
Facility County:	Not reported
Facility State:	CA

DRAFT

RITE AID #5755 (Continued) **1014387745**

Facility Zip: 927800000

K48 **RITE AID #5755** **CERS HAZ WASTE** **S113802938**
SE **630 E 1ST ST** **HAZNET** **N/A**
1/8-1/4 **TUSTIN, CA 92780**
0.225 mi.
1190 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
132 ft.

CERS HAZ WASTE:
Name: RITE AID #5755
Address: 630 E 1ST ST
City,State,Zip: TUSTIN, CA 92780
Site ID: 382651
CERS ID: 10442179
CERS Description: RCRA LQ HW Generator

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on CERS, DENIED. Request for re-submittal this date. The following corrections are needed: CHEMICAL INVENTORY All materials listed do not appear to meet the minimum threshold reporting quantities and should be removed from your disclosure. The Warfarin, Coumadin and all 4 Retail Waste disclosures do not meet the minimum threshold reporting quantities of 500 pounds. The minimum threshold reporting quantity for helium is 1000 cubic feet. Any refrigerated product cases which utilize gas refrigerants that meet the minimum threshold reporting quantity will need to be disclosed. If no such chemicals are present, it appears that this facility does not fall under the hazardous materials and business emergency plan regulatory program. Please contact me at lwales@ochca.com or 714)559-0101 to arrange a compliance inspection to determine program status and possible removal from the HazMat/BEP program.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. An inspection of the facility was completed with Li Fong. Observed the waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include flammables, corrosives, oxidizers, toxics, and universal wastes. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017

RITE AID #5755 (Continued) **S113802938**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Haydee Bonnell. Observed the warehouse area, waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include flammables, toxic/poisons, oxidizers, corrosives, universal, and RCRA pharmaceuticals. Manifests for waste disposal are available for review. The emergency plan is on site and available for review. Verified the owner as Thrifty Payless Inc.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Marco Vargas. Observed the warehouse area, waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include broken damaged items including flammables, toxics, corrosives, oxidizers, and universal wastes. Manifests for waste disposal are available for review. Emergency response information is posted in the facility. Verified the owner as Thrifty Payless Inc.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Rite Aid #5755 630 E. 1st St. Tustin, CA 92780 On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Marco Vargas. Observed the store and hazardous materials storage areas. The following hazardous materials at or above the threshold limit required for disclosing were observed today: 1) Helium gas cylinder (4 feet) Marco reported that annual Hazmat training for employees is conducted on line and records can be obtained by contacting the corporate office. This agency verified submittal of the Hazardous Materials Business Emergency Plan (HMBEP) on the CERS website.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and declined HMBEP submittal. The following corrections are needed: BUSINESS ACTIVITIES This facility is not regulated under the Hazardous Material Program. Please only check the box for regulation under the hazardous waste program and resubmit form within 30 days.
Eval Division:	Orange County Environmental Health

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RITE AID #5755 (Continued) **S113802938**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-17-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review - updated EPA ID - still reporting HM at below thresholds
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-17-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: All chemicals are below reportable quantities. This HMBEP is "N/A".
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 382651
Facility Name: Rite Aid #5755
Env Int Type Code: HWG
Program ID: 10442179
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.744590
Longitude: -117.817540

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Jordan Anderson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 30 Hunter Lane; Attn EHS
Affiliation City: Camp Hill

RITE AID #5755 (Continued) **S113802938**

Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless, Inc.
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	17011
Affiliation Phone:	(717) 761-2633
Affiliation Type Desc:	Identification Signer
Entity Name:	Joseph A. Chest
Entity Title:	Manager, EHS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Rite Aid #5755
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:	(714) 544-7274
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Environmental Contact
Entity Name:	Joseph A. Chest

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RITE AID #5755 (Continued) **S113802938**

Entity Title: Not reported
Affiliation Address: 30 Hunter Lane
Affiliation City: Camp Hill
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 17011
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: PK II Larwin Square, LP
Entity Title: Not reported
Affiliation Address: 1631 B South Melrose Drive
Affiliation City: Vista
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92803
Affiliation Phone: (760) 727-1002

Name: RITE AID #5755
Address: 630 E 1ST ST
City,State,Zip: TUSTIN, CA 92780
Site ID: 382651
CERS ID: 10442179
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on CERS, DENIED. Request for re-submittal this date. The following corrections are needed: CHEMICAL INVENTORY All materials listed do not appear to meet the minimum threshold reporting quantities and should be removed from your disclosure. The Warfarin, Coumadin and all 4 Retail Waste disclosures do not meet the minimum threshold reporting quantities of 500 pounds. The minimum threshold reporting quantity for helium is 1000 cubic feet. Any refrigerated product cases which utilize gas refrigerants that meet the minimum threshold reporting quantity will need to be disclosed. If no such chemicals are present, it appears that this facility does not fall under the hazardous materials and business emergency plan regulatory program. Please contact me at lwales@ochca.com or 714)559-0101 to arrange a compliance inspection to determine program status and possible removal from the HazMat/BEP program.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. An inspection of the facility was completed with Li Fong. Observed the waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include flammables, corrosives, oxidizers,

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RITE AID #5755 (Continued) **S113802938**

toxics, and universal wastes. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Haydee Bonnell. Observed the warehouse area, waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include flammables, toxic/poisons, oxidizers, corrosives, universal, and RCRA pharmaceuticals. Manifests for waste disposal are available for review. The emergency plan is on site and available for review. Verified the owner as Thrifty Payless Inc.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Marco Vargas. Observed the warehouse area, waste storage area, perimeter of facility and trash container. Containers of wastes are covered and labeled. Wastes include broken damaged items including flammables, toxics, corrosives, oxidizers, and universal wastes. Manifests for waste disposal are available for review. Emergency response information is posted in the facility. Verified the owner as Thrifty Payless Inc.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Rite Aid #5755 630 E. 1st St. Tustin, CA 92780 On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Marco Vargas. Observed the store and hazardous materials storage areas. The following hazardous materials at or above the threshold limit required for disclosing were observed today: 1) Helium gas cylinder (4 feet) Marco reported that annual Hazmat training for employees is conducted on line and records can be obtained by contacting the corporate office. This agency verified submittal of the Hazardous Materials Business Emergency Plan (HMBEP) on the CERS website.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

RITE AID #5755 (Continued) **S113802938**

Eval General Type:	Other/Unknown
Eval Date:	08-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and declined HMBEP submittal. The following corrections are needed: BUSINESS ACTIVITIES This facility is not regulated under the Hazardous Material Program. Please only check the box for regulation under the hazardous waste program and resubmit form within 30 days.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-13-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS review - updated EPA ID - still reporting HM at below thresholds
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	All chemicals are below reportable quantities. This HMBEP is "N/A".
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	382651
Facility Name:	Rite Aid #5755
Env Int Type Code:	HWG
Program ID:	10442179
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.744590
Longitude:	-117.817540

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

RITE AID #5755 (Continued) **S113802938**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane; Attn EHS
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless, Inc.
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	17011
Affiliation Phone:	(717) 761-2633
Affiliation Type Desc:	Identification Signer
Entity Name:	Joseph A. Chest
Entity Title:	Manager, EHS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Rite Aid #5755
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:	(714) 544-7274
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported

RITE AID #5755 (Continued) **S113802938**

Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Environmental Contact
Entity Name:	Joseph A. Chest
Entity Title:	Not reported
Affiliation Address:	30 Hunter Lane
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	PK II Larwin Square, LP
Entity Title:	Not reported
Affiliation Address:	1631 B South Melrose Drive
Affiliation City:	Vista
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92803
Affiliation Phone:	(760) 727-1002

HAZNET:

Name:	RITE AID #5755
Address:	630 E 1ST ST
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927803418
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
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:	0.0005
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	CAD008364432
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:	0.0015
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	CAD008364432

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RITE AID #5755 (Continued) **S113802938**

CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.001
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	-
Tons:	0.239
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.028
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
CA Waste Code:	-
Disposal Method:	-
Tons:	0.0065
Year:	2014
Gepaid:	CAL000380015
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Year:	2013
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	-
Tons:	0.121
Year:	2013
Gepaid:	CAL000380015
TSD EPA ID:	INR000110197
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.031

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RITE AID #5755 (Continued) **S113802938**

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2012
Gen EPA ID:	CAL000380015
Shipment Date:	20121213
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130102
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
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:	20121213
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130102
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
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

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RITE AID #5755 (Continued) **S113802938**

Shipment Date:	20121213
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130102
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0015
Waste Quantity:	3
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:	20121213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

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RITE AID #5755 (Continued) **S113802938**

TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
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
Shipment Date:	20121213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported

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RITE AID #5755 (Continued) **S113802938**

Meth Code:	- Not reported
Quantity Tons:	0.0245
Waste Quantity:	49
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:	20121213
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130102
Manifest ID:	005439285FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
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:	D007
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:	CAL000380015
Shipment Date:	20140808
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140819
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
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

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RITE AID #5755 (Continued) **S113802938**

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:	20140808
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140819
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
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:	20140808
Creation Date:	2/7/2015 22:15:11
Receipt Date:	20140829
Manifest ID:	007257010FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140808

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RITE AID #5755 (Continued) **S113802938**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0495
Waste Quantity:	99
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140808
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - 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:	0.051
Waste Quantity:	102
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:	20140808
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

RITE AID #5755 (Continued) **S113802938**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical 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:	0.074
Waste Quantity:	148
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:	20140808
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
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:	20140808
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140819
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

RITE AID #5755 (Continued) **S113802938**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
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:	20140808
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140819
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM 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:	0.0015
Waste Quantity:	3
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:	20140808
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007257011FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

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RITE AID #5755 (Continued) **S113802938**

Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2013
Gen EPA ID: CAL000380015

Shipment Date: 20131123
Creation Date: 4/15/2014 22:15:05
Receipt Date: 20131210
Manifest ID: 006205057FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131123
Creation Date: 4/15/2014 22:15:05
Receipt Date: 20131210
Manifest ID: 006205057FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.009
Waste Quantity: 18
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

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RITE AID #5755 (Continued) **S113802938**

Additional Code 5:	Not reported
Shipment Date:	20131123
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131210
Manifest ID:	006205057FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
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:	20131123
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131210
Manifest ID:	006205057FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
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:	0.0175
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:	20131123
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006205057FLE
Trans EPA ID:	MNS000110924

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RITE AID #5755 (Continued) **S113802938**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
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:	20131123
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006205057FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0555
Waste Quantity:	111
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:	20131123
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006205057FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste

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RITE AID #5755 (Continued) **S113802938**

RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.0315
Waste Quantity: 63
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: 20131123
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 006205057FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.006
Waste Quantity: 12
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: 20130902
Creation Date: 1/13/2014 22:15:22
Receipt Date: 20130916
Manifest ID: 006216317FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0045
Waste Quantity: 9
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

RITE AID #5755 (Continued) **S113802938**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130902
Creation Date:	1/13/2014 22:15:22
Receipt Date:	20130916
Manifest ID:	006216317FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.056
Waste Quantity:	112
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

49
NNW
1/8-1/4
0.243 mi.
1282 ft.

BOULGER, TOM
17711 AMAGANSET WAY
TUSTIN, CA 92780

RCRA NonGen / NLR **1024768329**
CAC002988211

Relative:
Higher

Actual:
162 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2018-11-07 00:00:00.0
Handler Name:	BOULGER, TOM	
Handler Address:		17711 AMAGANSET WAY
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAC002988211
Contact Name:		BOULGER, TOM
Contact Address:		17711 AMAGANSET WAY
Contact City,State,Zip:		TUSTIN, CA 92780
Contact Telephone:		714-838-4048
Contact Fax:		Not reported
Contact Email:		ANDREWC@PWSEI.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:		17711 AMAGANSET WAY
Mailing City,State,Zip:		TUSTIN, CA 92780
Owner Name:		BOULGER, TOM

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BOULGER, TOM (Continued) **1024768329**

Owner Type:	Other
Operator Name:	BOULGER, TOM
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:	2018-11-20 16:30:51.0
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

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BOULGER, TOM (Continued) **1024768329**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BOULGER, TOM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17711 AMAGANSET WAY
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-838-4048
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BOULGER, TOM
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17711 AMAGANSET WAY
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	714-838-4048
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-11-07 00:00:00.0
Handler Name: BOULGER, TOM	
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

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L50
ESE
1/4-1/2
0.348 mi.
1835 ft.

TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17
SW OF INTERSECTION OF TUSTIN RANCH RD & VALENCIA AVE.
TUSTIN, CA 92780

Site 1 of 5 in cluster L

ENVIROSTOR
SCH

S107737081
N/A

Relative:
Lower

Actual:
128 ft.

ENVIROSTOR:

Name:	TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17
Address:	SW OF INTERSECTION OF TUSTIN RANCH RD & VALENCIA AVE.
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	70000180
Status:	No Further Action
Status Date:	10/19/2016
Site Code:	404673
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	40
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Scarlett Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	68
Senate:	37
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.7454
Longitude:	-117.8148
APN:	NONE SPECIFIED
Past Use:	AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/ REFUELING
Potential COC:	Arsenic DDD DDE DDT Tetrachloroethylene (PCE TPH-diesel
Confirmed COC:	NONE SPECIFIED
Potential Description:	AQUI, SOIL, SV
Alias Name:	Proposed HS-Marine Air Parcel 17
Alias Type:	Alternate Name
Alias Name:	404673
Alias Type:	Project Code (Site Code)
Alias Name:	70000180
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/31/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/28/2007
Comments:	CRU completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	07/14/2006

TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17 (Continued) **S107737081**

Comments: PEA WP Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/21/2007
Comments: Approval of PEA Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement Application
Completed Date: 02/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/22/2015
Comments: DTSC concurred with the Adequacy of the Workplan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/12/2015
Comments: DTSC approved the PEA with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 04/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/15/2015
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual Cost Estimate FY 15/16 emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/30/2017
Comments: Closeout Form 1554 submitted on 10/25/17 and processed by CRBU on 10/30/17; closeout complete.

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

DRAFT

TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17 (Continued) **S107737081**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17
Address: SW OF INTERSECTION OF TUSTIN RANCH RD & VALENCIA AVE.
City,State,Zip: TUSTIN, CA 92780
Facility ID: 70000180
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 40
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Scarlett Zhai
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404673
Assembly: 68
Senate: 37
Special Program Status: Not reported
Status: No Further Action
Status Date: 10/19/2016
Restricted Use: NO
Funding: School District
Latitude: 33.7454
Longitude: -117.8148
APN: NONE SPECIFIED
Past Use: AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/ REFUELING
Potential COC: Arsenic, DDD, DDE, DDT, Tetrachloroethylene (PCE, TPH-diesel
Confirmed COC: NONE SPECIFIED
Potential Description: AQUI, SOIL, SV
Alias Name: Proposed HS-Marine Air Parcel 17
Alias Type: Alternate Name
Alias Name: 404673
Alias Type: Project Code (Site Code)
Alias Name: 70000180
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/28/2007
Comments: CRU completed

Completed Area Name: PROJECT WIDE

DRAFT

TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17 (Continued) **S107737081**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/14/2006
Comments: PEA WP Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/21/2007
Comments: Approval of PEA Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement Application
Completed Date: 02/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/22/2015
Comments: DTSC concurred with the Adequacy of the Workplan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/12/2015
Comments: DTSC approved the PEA with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 04/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/15/2015
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual Cost Estimate FY 15/16 emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/30/2017
Comments: Closeout Form 1554 submitted on 10/25/17 and processed by CRBU on 10/30/17; closeout complete.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

DRAFT

TUSTIN USD HIGH SCHOOL - MCAS PARCEL 17 (Continued) **S107737081**

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

L51 **PROPOSED TUSTIN ES-MARINE AIR PARCEL 28** **ENVIROSTOR** **S107737101**
ESE **NEWPORT FREEWAY AT EDINGER** **SCH** **N/A**
1/4-1/2 **TUSTIN, CA 92710**
0.348 mi.
1835 ft. **Site 2 of 5 in cluster L**

Relative:
Lower

Actual:
128 ft.

ENVIROSTOR:

Name:	PROPOSED TUSTIN ES-MARINE AIR PARCEL 28
Address:	NEWPORT FREEWAY AT EDINGER
City,State,Zip:	TUSTIN, CA 92710
Facility ID:	70000181
Status:	No Further Action
Status Date:	06/28/2007
Site Code:	404674
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	68
Senate:	37
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.7454
Longitude:	-117.8148
APN:	NONE SPECIFIED
Past Use:	AIRFIELD OPERATIONS
Potential COC:	DDD DDE DDT TPH-diesel TPH-gas Trichloroethylene (TCE
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL, SV
Alias Name:	404674
Alias Type:	Project Code (Site Code)
Alias Name:	70000181
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/31/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo

DRAFT

PROPOSED TUSTIN ES-MARINE AIR PARCEL 28 (Continued) **S107737101**

Completed Date:	06/28/2007
Comments:	CRU memo completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	07/14/2006
Comments:	PEA WP Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/21/2007
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:	PROPOSED TUSTIN ES-MARINE AIR PARCEL 28
Address:	NEWPORT FREEWAY AT EDINGER
City,State,Zip:	TUSTIN, CA 92710
Facility ID:	70000181
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	15
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404674
Assembly:	68
Senate:	37
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	06/28/2007
Restricted Use:	NO
Funding:	School District
Latitude:	33.7454
Longitude:	-117.8148
APN:	NONE SPECIFIED
Past Use:	AIRFIELD OPERATIONS
Potential COC:	DDD, DDE, DDT, TPH-diesel, TPH-gas, Trichloroethylene (TCE
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL, SV

DRAFT

PROPOSED TUSTIN ES-MARINE AIR PARCEL 28 (Continued) **S107737101**

Alias Name: 404674
Alias Type: Project Code (Site Code)
Alias Name: 70000181
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/28/2007
Comments: CRU memo completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/14/2006
Comments: PEA WP Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/21/2007
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

L52 **UNOCAL #5386** **LUST** **U003942685**
ESE **13348 NEWPORT AVE** **UST** **N/A**
1/4-1/2 **TUSTIN, CA 92780** **SWEEPS UST**
0.355 mi. **Cortese**
1875 ft. **Site 3 of 5 in cluster L** **CERS**

Relative:
Lower

Actual:
128 ft.

ORANGE CO. LUST:
Name: UNOCAL
Address: 13348 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Region: ORANGE
Facility Id: 91UT131
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 06/23/2006
Record ID: RO0002743

LUST:
Name: UNOCAL

DRAFT

UNOCAL #5386 (Continued) **U003942685**

Address:	13348 NEWPORT
City,State,Zip:	TUSTIN, CA 92780
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901349
Global Id:	T0605901349
Latitude:	33.7451049
Longitude:	-117.8148329
Status:	Completed - Case Closed
Status Date:	06/23/2006
Case Worker:	SR
RB Case Number:	083001807T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	91UT131
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605901349
Contact Type:	Local Agency Caseworker
Contact Name:	SHYAMALA RAJAGOPAL
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E. DYER ROAD SUITE 120
City:	SANTA ANA
Email:	srajagopal@ochca.com
Phone Number:	7144336262

LUST:

Global Id:	T0605901349
Action Type:	Other
Date:	09/20/1991
Action:	Leak Began
Global Id:	T0605901349
Action Type:	Other
Date:	09/20/1991
Action:	Leak Discovery
Global Id:	T0605901349
Action Type:	REMEDIATION
Date:	08/16/1995
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605901349
Action Type:	REMEDIATION
Date:	08/16/1995
Action:	Other (Use Description Field)
Global Id:	T0605901349
Action Type:	REMEDIATION
Date:	06/17/1992
Action:	Excavation
Global Id:	T0605901349
Action Type:	Other

UNOCAL #5386 (Continued) **U003942685**

Date: 09/20/1991
Action: Leak Reported

Global Id: T0605901349
Action Type: ENFORCEMENT
Date: 06/23/2006
Action: Closure/No Further Action Letter

LUST:
Global Id: T0605901349
Status: Open - Case Begin Date
Status Date: 03/08/1991

Global Id: T0605901349
Status: Open - Site Assessment
Status Date: 03/08/1991

Global Id: T0605901349
Status: Open - Site Assessment
Status Date: 02/25/1992

Global Id: T0605901349
Status: Open - Site Assessment
Status Date: 10/21/1992

Global Id: T0605901349
Status: Open - Remediation
Status Date: 04/19/1994

Global Id: T0605901349
Status: Open - Remediation
Status Date: 09/26/1994

Global Id: T0605901349
Status: Open - Verification Monitoring
Status Date: 02/18/1998

Global Id: T0605901349
Status: Completed - Case Closed
Status Date: 06/23/2006

UST:
Name: UNOCAL #5386
Address: 13348 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Facility ID: 2279
Permitting Agency: ORANGE COUNTY
CERSID: Not reported
Latitude: 33.7464366
Longitude: -117.8132638

SWEEPS UST:
Name: UNOCAL #5386
Address: 13348 NEWPORT AVE
City: TUSTIN

DRAFT

UNOCAL #5386 (Continued) **U003942685**

Status: Active
Comp Number: 2279
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002279-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: 3

Name: UNOCAL #5386
Address: 13348 NEWPORT AVE
City: TUSTIN
Status: Active
Comp Number: 2279
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002279-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL #5386
Address: 13348 NEWPORT AVE
City: TUSTIN
Status: Active
Comp Number: 2279
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002279-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

UNOCAL #5386 (Continued) **U003942685**

CORTESE:

Name:	UNOCAL
Address:	13348 NEWPORT
City,State,Zip:	TUSTIN, CA 92780
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605901349
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	UNOCAL
Address:	13348 NEWPORT
City,State,Zip:	TUSTIN, CA 92780
Site ID:	236706
CERS ID:	T0605901349
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1241 E. DYER ROAD SUITE 120
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7144336262

M53 **SUPER STOP** **LUST** **U003784454**
WSW **395 FIRST** **Cortese** **N/A**
1/4-1/2 **TUSTIN, CA 92780** **CERS**
0.359 mi.
1893 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
142 ft.

LUST:

Name:	SUPER STOP
Address:	395 FIRST
City,State,Zip:	TUSTIN, CA 92780
Lead Agency:	ORANGE COUNTY LOP

DRAFT

SUPER STOP (Continued) **U003784454**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605999010
Global Id:	T0605999010
Latitude:	33.745663
Longitude:	-117.827464
Status:	Completed - Case Closed
Status Date:	10/28/2010
Case Worker:	SR
RB Case Number:	083003683T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	99UT022
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605999010
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rose.scott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0605999010
Contact Type:	Local Agency Caseworker
Contact Name:	SHYAMALA RAJAGOPAL
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E. DYER ROAD SUITE 120
City:	SANTA ANA
Email:	srajagopal@ochca.com
Phone Number:	7144336262

LUST:

Global Id:	T0605999010
Action Type:	Other
Date:	03/10/1999
Action:	Leak Began

Global Id:	T0605999010
Action Type:	ENFORCEMENT
Date:	07/13/2009
Action:	Staff Letter

Global Id:	T0605999010
Action Type:	ENFORCEMENT
Date:	08/02/2010
Action:	Staff Letter

Global Id:	T0605999010
Action Type:	Other
Date:	03/10/1999
Action:	Leak Discovery

Global Id: T0605999010

SUPER STOP (Continued) **U003784454**

Action Type: RESPONSE
Date: 05/10/2004
Action: Other Report / Document

Global Id: T0605999010
Action Type: RESPONSE
Date: 08/17/2004
Action: Other Report / Document

Global Id: T0605999010
Action Type: RESPONSE
Date: 02/28/2005
Action: Other Report / Document

Global Id: T0605999010
Action Type: RESPONSE
Date: 05/06/2005
Action: Other Report / Document

Global Id: T0605999010
Action Type: RESPONSE
Date: 05/24/2005
Action: Other Report / Document

Global Id: T0605999010
Action Type: RESPONSE
Date: 08/10/2005
Action: Other Report / Document

Global Id: T0605999010
Action Type: RESPONSE
Date: 08/10/2005
Action: Soil and Water Investigation Workplan

Global Id: T0605999010
Action Type: RESPONSE
Date: 12/12/2005
Action: Soil and Water Investigation Report

Global Id: T0605999010
Action Type: REMEDIATION
Date: 08/04/2004
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605999010
Action Type: Other
Date: 03/10/1999
Action: Leak Stopped

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 04/07/2004
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 02/17/2006

SUPER STOP (Continued) **U003784454**

Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 03/21/2005
Action: Staff Letter

Global Id: T0605999010
Action Type: Other
Date: 03/10/1999
Action: Leak Reported

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 10/28/2010
Action: Closure/No Further Action Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/28/2008
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/19/2010
Action: File Review - Closure

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 12/28/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 09/06/2005
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 04/20/2005
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/05/2005
Action: Staff Letter - #1

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 01/26/2005
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/05/2005
Action: Staff Letter - #2

SUPER STOP (Continued) **U003784454**

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 11/23/2004
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 04/26/2004
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/26/2004
Action: Staff Letter

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 10/28/2010
Action: Petition Submitted for Review

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/16/2010
Action: File Review - Closure

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 08/06/2010
Action: Notification - Preclosure

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/09/2010
Action: File review

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 07/15/2010
Action: File Review - Closure

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 10/25/2010
Action: File Review - Closure

Global Id: T0605999010
Action Type: ENFORCEMENT
Date: 10/22/2010
Action: File Review - Closure

LUST:
Global Id: T0605999010
Status: Open - Case Begin Date
Status Date: 03/10/1999

Global Id: T0605999010
Status: Open - Remediation

DRAFT

SUPER STOP (Continued) **U003784454**

Status Date: 08/22/2002

Global Id: T0605999010
Status: Completed - Case Closed
Status Date: 10/28/2010

LUST REG 8:

Name:	SUPER STOP
Address:	395 FIRST ST W
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Remediation Plan
Case Number:	083003683T
Local Case Num:	99UT022
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	SEL
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605999010
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	3/10/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	8/22/2002
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	ND
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.745663
Longitude:	-117.827464
MTBE Date:	12/2/2004
Max MTBE GW:	0
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*

DRAFT

SUPER STOP (Continued) **U003784454**

Staff:	RS
Staff Initials:	SK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

CORTESE:

Name:	SUPER STOP
Address:	395 FIRST
City,State,Zip:	TUSTIN, CA 92780
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605999010
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	SUPER STOP
Address:	395 FIRST
City,State,Zip:	TUSTIN, CA 92780
Site ID:	213234
CERS ID:	T0605999010
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9513206375

Affiliation Type Desc:	Local Agency Caseworker

DRAFT

SUPER STOP (Continued) **U003784454**

Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

N54 **L A GLORY 661 INC.** **LUST** **U003778925**
SSE **13561 NEWPORT AVE** **UST** **N/A**
1/4-1/2 **TUSTIN, CA 92780** **CERS HAZ WASTE**
0.359 mi. **SWEEPS UST**
1894 ft. **Site 1 of 2 in cluster N** **CERS TANKS**
Cortese
Relative: Lower **HAZNET**
CERS
Actual: 125 ft. **HWTS**

ORANGE CO. LUST:
Name: TUSTIN AUTO WASH
Address: 13561 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Region: ORANGE
Facility Id: 05UT008
Released Substance: Unleaded gasoline
Date Closed: 10/12/2017
Record ID: RO0003348

LUST:
Name: TUSTIN AUTO WASH
Address: 13561 NEWPORT
City,State,Zip: TUSTIN, CA 92780
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605984477
Global Id: T0605984477
Latitude: 33.743056
Longitude: -117.817637
Status: Completed - Case Closed
Status Date: 10/12/2017
Case Worker: SR
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 05UT008
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:
Global Id: T0605984477
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO

L A GLORY 661 INC. (Continued) **U003778925**

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

Global Id: T0605984477
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

LUST:
Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/26/2016
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/28/2010
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/06/2012
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/29/2012
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/03/2012
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/09/2013
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/15/2013
Action: File review

Global Id: T0605984477

L A GLORY 661 INC. (Continued) **U003778925**

Action Type: ENFORCEMENT
Date: 05/17/2012
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/04/2013
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/07/2012
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 02/06/2014
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/24/2014
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/09/2014
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/13/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/08/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/06/2014
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/09/2014
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/13/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/10/2015

L A GLORY 661 INC. (Continued) **U003778925**

Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/09/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/20/2015
Action: Meeting

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/14/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/28/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/28/2015
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/02/2015
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/29/2016
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/30/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/24/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/19/2017
Action: Staff Letter

L A GLORY 661 INC. (Continued) **U003778925**

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/26/2016
Action: Staff Letter

Global Id: T0605984477
Action Type: Other
Date: 06/27/2005
Action: Leak Discovery

Global Id: T0605984477
Action Type: RESPONSE
Date: 11/04/2005
Action: Preliminary Site Assessment Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 08/19/2005
Action: Other Report / Document

Global Id: T0605984477
Action Type: RESPONSE
Date: 10/17/2005
Action: Other Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 12/12/2005
Action: Preliminary Site Assessment Report

Global Id: T0605984477
Action Type: RESPONSE
Date: 05/05/2006
Action: Soil and Water Investigation Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 12/11/2006
Action: Other Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 02/20/2007
Action: Other Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 07/30/2007
Action: Soil and Water Investigation Report

Global Id: T0605984477
Action Type: RESPONSE
Date: 02/25/2008
Action: Soil and Water Investigation Report

Global Id: T0605984477
Action Type: RESPONSE

L A GLORY 661 INC. (Continued) **U003778925**

Date: 07/05/2006
Action: Soil and Water Investigation Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 11/24/2006
Action: Soil and Water Investigation Workplan

Global Id: T0605984477
Action Type: RESPONSE
Date: 12/26/2007
Action: Well Installation Report

Global Id: T0605984477
Action Type: RESPONSE
Date: 06/30/2008
Action: Soil and Water Investigation Workplan

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/23/2009
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/22/2009
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/26/2016
Action: Notification - Public Notice of Case Closure

Global Id: T0605984477
Action Type: REMEDIATION
Date: 08/09/2010
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605984477
Action Type: REMEDIATION
Date: 10/24/2011
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 04/04/2007
Action: Staff Letter

L A GLORY 661 INC. (Continued) **U003778925**

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/30/2007
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/20/2006
Action: Warning Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/08/2010
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/11/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/12/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/15/2017
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/01/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/12/2017
Action: Closure/No Further Action Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/21/2009
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/22/2016
Action: Email Correspondence

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/11/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT

L A GLORY 661 INC. (Continued) **U003778925**

Date: 10/03/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/06/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/20/2017
Action: File Review - Closure

Global Id: T0605984477
Action Type: Other
Date: 06/28/2005
Action: Leak Reported

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 12/22/2009
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 02/22/2010
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 02/10/2010
Action: File review

Global Id: T0605984477
Action Type: RESPONSE
Date: 09/26/2015
Action: Other Workplan - Regulator Responded

Global Id: T0605984477
Action Type: RESPONSE
Date: 02/29/2016
Action: Other Workplan - Regulator Responded

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/27/2016
Action: Staff Letter

Global Id: T0605984477
Action Type: RESPONSE
Date: 01/09/2016
Action: Remedial Investigation Workplan - Regulator Responded

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/03/2008
Action: File review

L A GLORY 661 INC. (Continued) **U003778925**

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/26/2016
Action: Notification - Public Participation Document

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 08/26/2016
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/03/2016
Action: Notification - Preclosure

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/25/2015
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 02/09/2009
Action: File review

Global Id: T0605984477
Action Type: RESPONSE
Date: 08/21/2017
Action: Request for Closure - Regulator Responded

Global Id: T0605984477
Action Type: RESPONSE
Date: 05/04/2017
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/06/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/16/2016
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/02/2009
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 12/15/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0605984477
Action Type: ENFORCEMENT

L A GLORY 661 INC. (Continued) **U003778925**

Date: 02/02/2009
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/03/2010
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/26/2011
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/10/2011
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/02/2015
Action: File review

Global Id: T0605984477
Action Type: RESPONSE
Date: 10/03/2017
Action: Other Workplan - Regulator Responded

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/05/2016
Action: Meeting

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/04/2016
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/20/2005
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/23/2008
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/02/2008
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/09/2006
Action: Staff Letter

L A GLORY 661 INC. (Continued) **U003778925**

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/29/2005
Action: * Corrective Action Orders - #2

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/29/2005
Action: Notice of Responsibility - #1

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/30/2006
Action: Warning Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/21/2007
Action: Warning Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/15/2005
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/30/2006
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/16/2007
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/22/2008
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/11/2011
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/04/2011
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/22/2011
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT

L A GLORY 661 INC. (Continued) **U003778925**

Date: 03/16/2011
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/03/2010
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 09/28/2010
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/23/2010
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/16/2010
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/25/2011
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 03/07/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 02/09/2011
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/02/2011
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/11/2012
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/24/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 01/12/2012
Action: Staff Letter

L A GLORY 661 INC. (Continued) **U003778925**

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/14/2012
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/13/2013
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 11/07/2012
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 10/02/2015
Action: Email Correspondence

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 05/23/2013
Action: File review

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 07/01/2013
Action: Staff Letter

Global Id: T0605984477
Action Type: ENFORCEMENT
Date: 06/04/2013
Action: Staff Letter

LUST:
Global Id: T0605984477
Status: Open - Case Begin Date
Status Date: 06/27/2005

Global Id: T0605984477
Status: Open - Site Assessment
Status Date: 09/20/2005

Global Id: T0605984477
Status: Open - Assessment & Interim Remedial Action
Status Date: 07/16/2010

Global Id: T0605984477
Status: Open - Remediation
Status Date: 01/11/2011

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L A GLORY 661 INC. (Continued) **U003778925**

Global Id: T0605984477
Status: Open - Verification Monitoring
Status Date: 11/02/2015

Global Id: T0605984477
Status: Open - Eligible for Closure
Status Date: 05/31/2016

Global Id: T0605984477
Status: Completed - Case Closed
Status Date: 10/12/2017

LUST REG 8:

Name:	TUSTIN AUTO WASH
Address:	535 MAIN ST E
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083003629T
Local Case Num:	99UT049
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605902351
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/10/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	9/10/1999
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.74244372
Longitude:	-117.818429
MTBE Date:	6/10/2003

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L A GLORY 661 INC. (Continued) **U003778925**

Max MTBE GW:	106000
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	RS
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

UST:

Name:	L A GLORY 661 INC.
Address:	13561 NEWPORT AVE
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	FA0057339
Permitting Agency:	Orange County Environmental Health
CERSID:	10441414
Latitude:	33.74286
Longitude:	-117.81788

Name:	TUSTIN AUTO WASH & 76 GAS
Address:	13561 NEWPORT AVE
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	FA0057339
Permitting Agency:	Orange County Environmental Health
CERSID:	Not reported
Latitude:	33.74286
Longitude:	-117.81788

Name:	TUSTIN AUTO WASH & 76 GAS STATION
Address:	13561 NEWPORT AVENUE
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	11686
Permitting Agency:	ORANGE COUNTY
CERSID:	Not reported
Latitude:	33.743088
Longitude:	-117.817694

ORANGE CO. UST:

Name:	LA GLORY 661 INC
Address:	13561 NEWPORT AVE
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	FA0057339
Notes:	Not reported

CERS HAZ WASTE:

Name:	L A GLORY 661 INC.
Address:	13561 NEWPORT AVE
City,State,Zip:	TUSTIN, CA 92780

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L A GLORY 661 INC. (Continued) **U003778925**

Site ID: 372494
CERS ID: 10441414
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: TUSTIN AUTO WASH
Address: 535 E MAIN ST
City: TUSTIN
Status: Active
Comp Number: 11686
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-011686-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: TUSTIN AUTO WASH
Address: 535 E MAIN ST
City: TUSTIN
Status: Active
Comp Number: 11686
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-011686-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CERS TANKS:
Name: L A GLORY 661 INC.
Address: 13561 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Site ID: 372494
CERS ID: 10441414
CERS Description: Underground Storage Tank

CORTESE:
Name: TUSTIN AUTO WASH
Address: 13561 NEWPORT

DRAFT

L A GLORY 661 INC. (Continued) **U003778925**

City,State,Zip:	TUSTIN, CA 92780
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605984477
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	GOOD LUCK INC DBA TUSTIN AUTO WASH 76 GAS STATION
Address:	13561 NEWPORT AVE
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 92780
Contact:	NASEER AHAMED
Telephone:	3109828988
Mailing Name:	Not reported
Mailing Address:	13561 NEWPORT AVE
Year:	2016
Gepaid:	CAL000389827
TSD EPA ID:	NED981723513
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.1

CERS:

Name:	TUSTIN AUTO WASH
Address:	13561 NEWPORT
City,State,Zip:	TUSTIN, CA 92780
Site ID:	246693
CERS ID:	T0605984477
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported

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L A GLORY 661 INC. (Continued) **U003778925**

Affiliation Zip: Not reported
Affiliation Phone: 9517823238

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

Name: L A GLORY 661 INC.
Address: 13561 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Site ID: 372494
CERS ID: 10441414
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 08-14-2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 01/22/2020. The employees listed on the training log for 2019 are no longer with the company. Train all required employees and submit a signature log to this agency.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 03-17-2016
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/17/2017. Copies of UPC forms from the portal could not be located on site. Maintain a copy of all UPC forms on site including Business Activities, Business Owner/Operator, Facility Information, Tank Information, Owner/Operator Agreement, UST Response Plan, UST Monitoring Plan, and UST Plot Plan.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 03-11-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local

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L A GLORY 661 INC. (Continued) **U003778925**

	Ordinance only
Violation Notes:	Returned to compliance on 06/02/2015. The monitor certification is past due. The last monitor certification on file is dated 3/10/14. The monitor must be certified within 365 days. Have the monitor certified by a certified technician and submit the results to this agency.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	03-17-2016
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. The Certificate of Financial Responsibility form on site is dated 5/1/14 and expired 5/1/15. Submit a current copy of the financial certification on the portal and maintain a copy on site.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	08-14-2019
Citation:	23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 08/27/2019. Submit a Response Plan with current information on the CERS portal and resubmit.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	03-31-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes:	Returned to compliance on 06/02/2015. The following liquid sensor alarms occurred but were not recorded on the designated operator monthly inspection reports: 1) 1/7/15: L8 2) 1/11/15: L8 To correct this violation have the designated operator document the corrective actions taken for the alarms on the above dates. The designated

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L A GLORY 661 INC. (Continued) **U003778925**

operator is responsible for alerting the owner/operator of the tanks of any condition discovered during the monthly inspections that requires follow-up.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 08-14-2019
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 08/27/2019. Submit a Financial Responsibility form with current information on the CERS portal and resubmit.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 03-17-2017
Citation: HSC 6.7 25294 - California Health and Safety Code, Chapter 6.7, Section(s) 25294
Violation Description: Failure to record any unauthorized release from the primary containment.
Violation Notes: Returned to compliance on 03/17/2017. A priority alarm occurred on 3/1/17 and was logged on the alarm log and DO report however no corrective action was noted and no work order was available. Spoke with the manager who confirmed that the alarm was due to rain water intrusion and he removed the water but forgot to note it on the alarm log. Violation abated.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 08-14-2019
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes: Returned to compliance on 08/27/2019. The tank owner and operator are different therefore a written agreement is required. Make the correction on the CERS portal and resubmit.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 372494
Site Name: L A Glory 661 Inc.
Violation Date: 06-17-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local

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L A GLORY 661 INC. (Continued) **U003778925**

	Ordinance only
Violation Notes:	Returned to compliance on 07/17/2015. The 87 spill bucket failed testing. Have the bucket replaced and retested and submit the work order and results to this agency. Correct the violation within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	03-10-2020
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Returned to compliance on 03/16/2020. This facility is currently operating without an underground storage tank permit. The permit will not be issued until the outstanding violation has been corrected.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	03-14-2018
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 02/07/2019. The 87 tank leak detector failed testing and was not replaced today. Have the leak detector replaced and tested and submit the results to this agency.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	08-14-2019
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 03/04/2020. Provide Hazardous Materials Business Emergency Plan training to current employees and submit a signature log to this agency.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	372494

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L A GLORY 661 INC. (Continued) **U003778925**

Site Name:	L A Glory 661 Inc.
Violation Date:	08-14-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/27/2019. Complete a Business Emergency/Contingency Plan on the CERS portal at https://cers.calepa.ca.gov/
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	03-31-2015
Citation:	HSC 6.7 29295 - California Health and Safety Code, Chapter 6.7, Section(s) 29295
Violation Description:	Failure to record and/or report suspected or actual unauthorized release in appropriate time frame.
Violation Notes:	Returned to compliance on 05/05/2015. The following liquid sensor alarms occurred but were not recorded on the alarms log: 1) 12/4/14: L2, L5, L8 2) 12/8/14: L8 3) 12/12/14: L8 4) 1/7/15: L8 5) 1/11/15: L8 L2 sensor: 87 fill sump L5 sensor: 89 fill sump L8 sensor: 91 fill sump All liquid alarms must be recorded on the alarm log including the date, time, description of alarm, and corrective action taken to abate the alarm. To correct this violation have all employees trained immediately who are responsible for responding to alarms on the Veeder Root monitor. Submit a copy of the training signature log to this agency.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	372494
Site Name:	L A Glory 661 Inc.
Violation Date:	08-14-2019
Citation:	23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description:	Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes:	Returned to compliance on 03/16/2020. The business name and tank operator listed in this statement is not consistent with the information provided in the Facility Operator Permit Application. Make the correction on the CERS portal and resubmit at https://cers.calepa.ca.gov/
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine inspection and monitor certification. This site

L A GLORY 661 INC. (Continued) **U003778925**

has 3 double walled tanks with double walled piping and 4 dispensers. All turbine sump sensors, fill sump sensors, and tank annular sensors alarm and shut down turbines. UDC sensors are Beaudreau and shut down the dispensers only. The Veeder Root monitor was tested for sensor-out and fail-safe. Overfill alarms were tested for 90 percent overfill. Spill buckets were visually tested and passed. Mechanical line leak detectors were tested. Financial responsibility is dated 1/15/18. SB989 testing is dated 1/31/17. Testing conducted by Dave Simon of Shan-Cor Testing. Technician certifications are current.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine inspection and monitor certification. This site has 3 double walled gasoline tanks (87, 89, 91) with double walled piping and 4 dispensers. All turbine sump sensors, fill sump sensors, and annular sensors alarm and shut down turbines. The Veeder Root was tested for sensor-out and fail-safe. The dispensers use Beaudreau stand-alone sensors and were tested operational to shut down dispensers. Spill buckets were visually tested and passed. Mechanical line leak detectors were tested and passed. Overfill alarms were tested for 90 percent overfill and passed. Technician on site is Dave Simon from SharCor Testing Co. All technician certifications are current. SB989 testing dated 1/31/17. Certification of Financial Responsibility dated 1/15/19.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification for 3-17-17
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. Observed the hazardous materials storage areas. The following hazardous materials that meet or exceed thresholds were observed today: - Three 12,000 gallon unleaded fuel tanks - Three 55 gallon drums of All Purpose Vehicle Shampoo - One 55 gallon drum of All Purpose Degreaser Concentrate - One 55 gallon drum of Tire Dressing Annual employee hazardous materials training records are dated 4/30/15.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

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L A GLORY 661 INC. (Continued) **U003778925**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has 3 double walled fuel tanks with double walled piping and 4 dispensers. All turbine sump sensors, fill sump sensors, and annular sensors alarm and shut down turbines. The dispensers use stand-alone sensors that shut down the dispensers only. The Veeder Root was tested for sensor-out and fail-safe. The spill buckets were visually tested and passed. The mechanical line leak detectors were tested and passed. Overfill alarms were tested and passed. All technician certifications verified today. The following documents were available for review: - Owner statements of designated UST operator - expiration dated 11/25/17 - DO monthly inspection reports with alarm history - Employee training records dated 1/19/16 - Monitor certification dated 3/23/15 - SB989 test results dated 1/30/14 - Spill buckets tests dated 3/23/15 - Service tickets, work orders Correct all violations immediately. .
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has 3 double walled fuel tanks with double walled piping and 4 dispensers. All turbine sump sensors, fill sump sensors, and annular sensors alarms and shut down turbines. Stand-alone sensors are used in the dispenser pans that shut down the dispensers only. The Veeder Root was tested for sensor-out and fail-safe. Spill buckets were tested and passed. Mechanical line leak detectors were in the process of being tested. Overfill alarms were tested for 90 percent overfill. The following documents are available for review: - Permit to operate - All UPC forms - Certificate of financial responsibility and CFO letter dated 1/18/17 - UST response plan - UST monitoring plan - UST plot plan - Designated operator statement - expiration dated 11/25/17 - DO monthly inspection reports with alarm history - Employee training records for 2017 - Alarm logs - Monitor certification dated 3/17/16 - SB989 test [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine underground tank inspection. The following documents are on site for review: - Certification of financial responsibility and CFO letter dated 5/1/14 - Owner statements of designated UST operator - expiration dated 3/5/17 - DO monthly inspections with alarm history - Employee training records dated 4/29/14 - Monitor certification dated 3/10/14 - SB989 test dated 1/30/14 - Spill bucket test dated 3/10/14 - Service tickets, work orders Correct the violations within 30 days. .

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L A GLORY 661 INC. (Continued) **U003778925**

Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-05-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous materials inspection. An inspection of the facility was completed with Naseer Ahamed. Observed the hazardous materials storage areas. The following reportable hazardous materials were observed today: - 110 gallons de-greaser - 55 gallons Armour All - 36,000 gallons unleaded fuel in underground tanks Employee annual hazardous materials training is current. The Business Emergency Plan is available on site.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-22-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Draft inspection report, review portal for site info, submit report.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-05-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review record for outstanding violations and advise operator via email.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-05-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the employee UST training record by the designated operator dated 4/30/15. Violation I219 abated.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-15-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

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L A GLORY 661 INC. (Continued) **U003778925**

Eval General Type:	Other/Unknown
Eval Date:	01-22-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site for a follow-up inspection. Reviewed 2019 employee training records for current employees. Violation I651 corrected. Outstanding violation: I007 - The business name listed in the UST Statement of Understanding and Compliance Form on the CERS portal is not consistent with the business name provided in the UST Facility Operating Permit Application. Make the correction on the CERS portal at https://cers.calepa.ca.gov. Correct the violation within 30 days.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-27-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 test notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-07-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the revised monitor certification dated 3/13/18 indicating the replacement and retest of the 87 leak detector. The leak detector passed testing. Violation I198 corrected. No outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-08-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Violations cleared per inspector. CLOSE NOV
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has 3 double walled unleaded fuel tanks with double walled piping and 4 dispensers. All turbine sump sensors, fill sump sensors and annular sensors alarm and shut down turbines. The Veeder Root was tested for sensor-out and fail-safe. The dispenser UDC use Beaudreau stand alone sensors that were tested for dispenser shut down. Spill buckets were tested and passed. Mechanical line leak detectors were tested and passed. Chris Scharnus from Shan Cor Testing was on site. Verified

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L A GLORY 661 INC. (Continued) **U003778925**

certifications including Veeder Root, ICC, and VMI. Certification of Financial Responsibility dated 7/23/19. Secondary containment testing dated 1/15/20. Overfill prevention equipment testing dated 1/29/19.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-04-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site for a hazardous materials follow-up inspection to an outstanding violation I239. Verified employees have received current training from the training log. Violation I239 corrected. No outstanding hazardous materials violations.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review for upcoming inspection.
Eval Division: Orange County Environmental Health
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: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received notification on 3/8/15 that monitor certification scheduled for today is canceled. Notified area inspector.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown

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L A GLORY 661 INC. (Continued) **U003778925**

Eval Date: 03-10-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Outstanding violation: I007 - The business name listed in the UST Statement of Understanding and Compliance Form on the CERS portal is not consistent with the business name provided in the UST Facility Operating Permit Application. Make the correction on the CERS portal at https://cers.calepa.ca.gov. Correct the violation immediately to avoid further enforcement action by this agency.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-11-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-18-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review violation status for warning letter. Violations remain outstanding.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-18-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Assist Nasser by phone with questions on creating account on CERS.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change UST status to not get a permit, per Nofal.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-01-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received email from operator Nasseer stating that they have submitted in CERS and E-submit. Reviewed both to confirm. Advised Nasseer to continue with CERS in the future.

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L A GLORY 661 INC. (Continued) **U003778925**

Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-02-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Change UST status to receive a permit, per Nofal.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-02-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received the following email from DO and discussed with supervisor: Inspector Nofal RE: Good Luck car wash inc violation I106 The UST alarms on the 91 fill sump have been inspected, all conditions are correct, clear of liquid and sensor is correct. Alarms involved are from January 7th & 11th 2015. This was before I took over the site, but within 30 days. I have documented these alarms in the O&M manual on site. I want to add that in April and May I was sick and was admitted into the hospital in early May 2015 for 4 days. I was not feeling well in April and most of May, doctor instructions were for me to rest. I was feeling very sick in May and this is the reason I did not respond sooner in May. I went on the 9th of May to perform the D.O. at Good Luck Car wash , but could not sleep and was sick day and night. I have full hospital discharge records. Water and rest was my doctor orders for full recovery from Rabdomialisis, plus follow up with my [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-04-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the DO monthly inspection report for May 2015. The report indicates that the 91 fill sump was inspected (L-8 sensor) and found to be clear of liquid. Violation I106 abated. No outstanding violations. This facility has been approved to receive a permit to operate the underground storage tanks.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification and spill bucket test results dated 3/23/15. .
Eval Division:	Orange County Environmental Health
Eval Program:	UST

L A GLORY 661 INC. (Continued) **U003778925**

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-26-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review pre 2015 HMBEP submission. Accepted pending review of the more recent submission.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-27-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed HMBEP submittal on CERS. Package was declined and an email sent to the facility contact. The following corrections are needed: BUSINESS OWNER/OPERATOR Our records indicate that Good Luck Carwash Inc is the owner of this facility. You have listed an individual who may be the president of the corporation. If this is the case, please change the owner to be the corporation and not the president of the corporation. CHEMICAL INVENTORY Car Wash Soap, Purple Wax, Blue Wax, Red Carwash Soap, G this is not a pure material, change to Mixture and complete the Hazardous Components chart with CAS# for components that are listed//complete Fire Code Hazard Class//mark all federal hazard categories that apply//storage pressure and temperature = ambient Hazardous Waste (liqud) G complete Components chart by identifying all components at or above 1% along with their CAS#s and %WT Hazardous Waste (solid) G this material does not meet the minimum reporting threshold of 500 [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-27-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed UST package on CERS. Package was declined and an email sent to the facility contact. The following corrections are needed: Facility Form - Our records indicate that Good Luck Carwash Inc is the Tank Owner and Tank Operator. You have listed an individual who may be the president of the corporation. If this is the case, please change the owner to be the corporation and not the president of the corporation. TANK PAGES -all tanks, date of installation is 6/2001//Riser Pipe Secondary Containment = Fiberglass MONITORING PLANS -all tanks- Leak Alarm Triggers Automatic Pump Shutdown = Yes -89 & 91 product monitoring plan G leak detector model = STP MLD MONITORIN SITE PLAN -add piping runs and change leak detector information for 89 & 91 fuel grades
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-10-2015

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L A GLORY 661 INC. (Continued) **U003778925**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review site status for outstanding violations for permit.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This business has changed ownership. Submit RUR to status 02.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This business has changed ownership. Submit RUR to status 02.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine inspection. Consent to enter and inspect granted by Aris Chavez. The following reportable hazardous materials were observed today: - 110 gallons degreaser - 55 gallons Armour All - 36,000 gallons unleaded fuel in underground tanks Correct all violations within 30 days.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine inspection. Consent to enter and inspect granted by Aris Chavez. Verified monthly designated operator reports are current with alarm history. Verified the following test dates: - Monitor certification 3/13/19 - Spill bucket tests 3/13/19 - Overfill equipment inspection 1/24/19 - Secondary containment test 1/31/17 Correct all violations within 30 days. A tank permit will not be issued until all violations are corrected.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-23-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

DRAFT

L A GLORY 661 INC. (Continued) **U003778925**

Eval Notes:	The following violation is outstanding: I198 - The 87 tank leak detector failed testing during the monitor certification on 3/13/18. This agency has not received documentation to indicate that the leak detector has been replaced and retested. Correct the violation within 15 days.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-26-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following violations have been corrected: - I583 - I673 - I272 The following violations remain outstanding: - I651 - I007 See attached original inspection report for details on outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-26-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Violation I292 has been corrected. Violation I239 remains outstanding. See attached original inspection report for detail on outstanding violation.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-10-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The owner needs to log into the CERS portal and complete a Facility Transfer Request due to the change of ownership. The website is https://cers.calepa.ca.gov/
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-25-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site for a follow-up inspection. Spoke with manager Naseer Ahamed. Discussed outstanding violation I198. Naseer thought that the violation had been corrected and stated that he will contact Shan-Cor Testing to inquire about the leak detector status and will advise EH as soon as possible.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-08-2015

DRAFT

L A GLORY 661 INC. (Continued) **U003778925**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: HMBEP declined in E-Submit. The following notes were included in the review: "The material you have listed in the chemical inventory does not need to be disclosed as its maximum daily amount is below the disclosure thresholds (55 gallons for liquids, 200 cubic feet for gases, 500 pounds for solids). However, it appears that you also have underground storage tanks that may store this material and possibly diesel fuel as well. Both gasoline and diesel that are stored in underground storage tanks are disclosable. The largest container amount would be the capacity of the tank and the maximum daily amount must be greater than or equal to the largest container. Please indicate that your material generates hazardous waste and stores hazardous materials on the business activities page. Provide a mailing address for the business owner. Complete the emergency plan section. Label the following on the site map: -North orientation -Evacuation staging area -Emergency [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-19-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed facility's Designated Operator form on E-submit. Form was accepted.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 372494
Site Name: L A Glory 661 Inc.
Site Address: 13561 NEWPORT AVE
Site City: TUSTIN
Site Zip: 92780
Enf Action Date: 11-16-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Orange County Environmental Health
Enf Action Program: UNSPEC
Enf Action Source: CERS

Coordinates:
Site ID: 372494
Facility Name: L A Glory 661 Inc.
Env Int Type Code: HWG
Program ID: 10441414
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.742860
Longitude: -117.817880

L A GLORY 661 INC. (Continued) **U003778925**

Affiliation:

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Husein Ahamed
Entity Title:	Owner/Operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 730-7934

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	ZHENGXIAN SONG
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave.
Affiliation City:	Tustin
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92780
Affiliation Phone:	(714) 730-7934

Affiliation Type Desc:	UST Tank Operator
Entity Name:	13561 Divine Power llc
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave.
Affiliation City:	Tustin
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92780
Affiliation Phone:	(714) 730-7934

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave
Affiliation City:	Tustin
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92780
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Sabrina Xing
Entity Title:	owner/operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Owner
Entity Name:	ZHENGXIAN SONG
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave.
Affiliation City:	Tustin
Affiliation State:	CA

L A GLORY 661 INC. (Continued) **U003778925**

Affiliation Country:	United States
Affiliation Zip:	92780
Affiliation Phone:	(714) 730-7934
Affiliation Type Desc:	Document Preparer
Entity Name:	TONY MANSOUR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Tony Mansour, TM Environmental
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave
Affiliation City:	Tustin
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92780
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	L A GLORY 661 INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406
Affiliation Type Desc:	Legal Owner
Entity Name:	L A Glory 661 Inc.
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave
Affiliation City:	Tustin
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92780
Affiliation Phone:	(714) 730-7934
Affiliation Type Desc:	Operator
Entity Name:	13561 Divine Power llc
Entity Title:	Not reported

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L A GLORY 661 INC. (Continued) **U003778925**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(251) 216-6666
Affiliation Type Desc:	Property Owner
Entity Name:	ZHENGXIAN SONG
Entity Title:	Not reported
Affiliation Address:	13561 Newport Ave
Affiliation City:	Tustin
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92780
Affiliation Phone:	(714) 730-7934

HWTS:

Name:	GOOD LUCK INC DBA TUSTIN AUTO WASH 76 GAS STATION
Address:	13561 NEWPORT AVE
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 92780
EPA ID:	CAL000389827
Inactive Date:	06/30/2020
Create Date:	10/01/2013
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	13561 NEWPORT AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TUSTIN, CA 927800000
Owner Name:	HUSEIN AHAMED
Owner Address:	13561 NEWPORT AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	TUSTIN, CA 927800000
Contact Name:	NASEER AHAMED
Contact Address:	13561 NEWPORT AVE
Contact Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 92780

NAICS:

EPA ID:	CAL000389827
Create Date:	2013-10-01 08:57:44.250
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2013-10-01 08:57:44.22700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	GOOD LUCK INC DBA TUSTIN AUTO WASH 76 GAS STATION
Facility Address:	13561 NEWPORT AVE
Facility Address 2:	Not reported
Facility City:	TUSTIN
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92780

DRAFT

M55 **SUPER STOP** **LUST** **S106203465**
WSW **395 W FIRST ST** **WDS** **N/A**
1/4-1/2 **TUSTIN, CA 92780**
0.361 mi.
1907 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
142 ft.

ORANGE CO. LUST:

Name:	SUPER STOP
Address:	395 W FIRST ST
City,State,Zip:	TUSTIN, CA 92780
Region:	ORANGE
Facility Id:	99UT022
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	10/28/2010
Record ID:	RO0001578

WDS:

Name:	GW CLEANUP-TUSTIN FIRST
Address:	395 W FIRST ST
City:	TUSTIN
Facility ID:	Santa Ana River 303450001
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:	CAG918001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	7145444000
Facility Contact:	KENNETH A. DART
Agency Name:	GREENWOOD CARL
Agency Address:	PO BOX 1996
Agency City,St,Zip:	TUSTIN 927817996
Agency Contact:	KENNETH A. DART
Agency Telephone:	7145444000
Agency Type:	Private
SIC Code:	5541
SIC Code 2:	Not reported
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste:	CNWTRS
Waste Type2:	Not reported
Waste2:	Contaminated Ground Water
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a

DRAFT

SUPER STOP (Continued) **S106203465**

significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

L56 **UNOCAL #5386** **CA FID UST** **U002096418**
ESE **13348 NEWPORT AVE** **HIST CORTESE** **N/A**
1/4-1/2 **TUSTIN, CA 92680** **CERS**
0.369 mi.
1950 ft. **Site 4 of 5 in cluster L**

Relative:
Lower

Actual:
127 ft.

CA FID UST:
Facility ID: 30001140
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145440780
Mail To: Not reported
Mailing Address: 911 WILSHIRE BLVD STE 10
Mailing Address 2: Not reported
Mailing City,St,Zip: TUSTIN 92680
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
edr_fname: UNOCAL #5386
edr_fadd1: 13348
City,State,Zip: TUSTIN, CA 92680
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001807T

CERS:
Name: CHIPOTLE MEXICAN GRILL #472
Address: 13348 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Site ID: 18807
CERS ID: 10506481
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 18807
Site Name: Chipotle Mexican Grill #472
Violation Date: 01-25-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

DRAFT

UNOCAL #5386 (Continued) **U002096418**

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 08/13/2018. Annual employee training records were not available for review. Submit to this agency records of annual employee training on hazardous materials.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-28-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submittal. Facility has complied with 2017 HMBEP reporting requirement. Facility has disclosed 1 chemical. All documents were accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-28-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility is in compliance with the 2018 reporting requirement. Reviewed and accepted HMBEP submittal. Facility has disclosed 1 chemical.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-14-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2016 Annual Review: Accepted. Minor correction: Storage Temp
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review 2015 HMBEP. Accepted.

UNOCAL #5386 (Continued) **U002096418**

Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-19-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-31-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Elevate violation to class 2. Change comply by date to 8/31/18.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-31-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following violation remains outstanding: I239 - Annual hazardous materials/business emergency plan training records have not been provided to this agency. Submit records to this agency to confirm employees have received annual training. Correct violation by 8/31/18.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-13-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received the employee signature log for Emergency Response/Carbon Dioxide training dated 8/6/18 and 8/7/18. Violation I239 abated. No outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-14-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous materials inspection. An inspection of the facility was completed with Jose Lorenzo Hernandez. Observed the hazardous materials storage area. The following reportable hazardous materials were observed today: - 450 pound dewar of C02 Emergency response and contact information is available for review. Safety training records for 2019 available for review. C02 training for 2020 to be completed by year end and records submitted to this agency per Jose.

UNOCAL #5386 (Continued) **U002096418**

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-30-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received copy of the employee signature log for the annual C02 training dated December 2020.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 18807
Facility Name: Chipotle Mexican Grill #472
Env Int Type Code: HMBP
Program ID: 10506481
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.745030
Longitude: -117.814600

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: David Coletti
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Chipotle Mexican Grill, Inc.
Entity Title: Not reported
Affiliation Address: PO BOX 182566
Affiliation City: Columbus
Affiliation State: OH
Affiliation Country: United States
Affiliation Zip: 43218
Affiliation Phone: (303) 595-4000

Affiliation Type Desc: Operator
Entity Name: Chipotle Mexican Grill #472
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: (714) 665-6730

Affiliation Type Desc: Property Owner

UNOCAL #5386 (Continued) **U002096418**

Entity Name:	JCM Tom Company, LLC
Entity Title:	Not reported
Affiliation Address:	1524 Dorcas Street
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92110
Affiliation Phone:	(619) 275-4685
Affiliation Type Desc:	Environmental Contact
Entity Name:	Tim Luskin
Entity Title:	Not reported
Affiliation Address:	PO BOX 182566
Affiliation City:	Columbus
Affiliation State:	OH
Affiliation Country:	Not reported
Affiliation Zip:	43218
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 182566
Affiliation City:	COLUMBUS
Affiliation State:	OH
Affiliation Country:	Not reported
Affiliation Zip:	43218
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	David Coletti
Entity Title:	Licensing Coordinator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Chipotle Mexican Grill
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611

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UNOCAL #5386 (Continued) **U002096418**

Affiliation Phone: (714) 433-6406

L57 **UNOCAL** **LUST** **S105774197**
ESE **13348 NEWPORT AVE** **N/A**
1/4-1/2 **TUSTIN, CA 92680**
0.369 mi.
1950 ft. **Site 5 of 5 in cluster L**

Relative:
Lower

Actual:
127 ft.

LUST REG 8:

Name:	UNOCAL
Address:	13348 NEWPORT AVE
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Post remedial action monitoring
Case Number:	083001807T
Local Case Num:	91UT131
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901349
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/20/1991
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	9/20/1991
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7451049
Longitude:	-117.8148329
MTBE Date:	12/30/2003
Max MTBE GW:	45
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected

DRAFT

UNOCAL (Continued) **S105774197**

MTBE Class:	*
Staff:	NOM
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

N58 **TUSTIN AUTO WASH** **LUST** **U001743139**
SSE **535 MAIN** **CA FID UST** **N/A**
1/4-1/2 **TUSTIN, CA 92780** **Cortese**
0.377 mi. **HIST CORTESE**
1991 ft. **Site 2 of 2 in cluster N** **CERS**

Relative:
Lower

Actual:
125 ft.

ORANGE CO. LUST:

Name:	TUSTIN AUTO WASH
Address:	535 E MAIN ST
City,State,Zip:	TUSTIN, CA 92780
Region:	ORANGE
Facility Id:	99UT049
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	11/04/2019
Record ID:	RO0002311

LUST:

Name:	TUSTIN AUTO WASH
Address:	535 MAIN
City,State,Zip:	TUSTIN, CA 92780
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902351
Global Id:	T0605902351
Latitude:	33.742443723
Longitude:	-117.818429
Status:	Completed - Case Closed
Status Date:	11/07/2019
Case Worker:	GH
RB Case Number:	083003629T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	99UT049
Potential Media Affect:	Aquifer used for drinking water supply, Soil, Well used for drinking water supply
Potential Contaminants of Concern:	MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id:	T0605902351
Contact Type:	Local Agency Caseworker
Contact Name:	GENIECE HIGGINS
Organization Name:	ORANGE COUNTY LOP

TUSTIN AUTO WASH (Continued) **U001743139**

Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: ghiggins@ochca.com
Phone Number: 7144336260

Global Id: T0605902351
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

LUST:

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/30/2016
Action: Site Visit / Inspection / Sampling

Global Id: T0605902351
Action Type: Other
Date: 09/10/1999
Action: Leak Began

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 09/17/2007
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/26/2006
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/22/2007
Action: Staff Letter - #2

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/21/2009
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 04/23/2012
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 04/24/2012
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT

DRAFT

TUSTIN AUTO WASH (Continued) **U001743139**

Date: 10/06/2017
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/16/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/20/2016
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/13/2015
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/23/2015
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/04/2014
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/05/2014
Action: Meeting

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/18/2018
Action: Email Correspondence

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 03/13/2015
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 03/18/2015
Action: Staff Letter

TUSTIN AUTO WASH (Continued) **U001743139**

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 03/17/2015
Action: Verbal Communication

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/26/2015
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/07/2014
Action: CUF5Y

Global Id: T0605902351
Action Type: Other
Date: 09/10/1999
Action: Leak Discovery

Global Id: T0605902351
Action Type: RESPONSE
Date: 01/22/2007
Action: Remedial Progress Report

Global Id: T0605902351
Action Type: RESPONSE
Date: 06/22/2007
Action: Remedial Progress Report

Global Id: T0605902351
Action Type: RESPONSE
Date: 06/11/2007
Action: Other Report / Document

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/03/2017
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/16/2018
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/13/2008
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT

TUSTIN AUTO WASH (Continued) **U001743139**

Date: 05/22/2007
Action: Staff Letter - #1

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 10/22/2009
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/02/2018
Action: Notification - Public Notice of Case Closure

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 01/24/2017
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 04/02/2018
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/17/2018
Action: Meeting

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/13/2018
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 10/03/2017
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 04/28/2017
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/12/2009
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/07/2014
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 01/31/2019
Action: State Water Board Closure Order - #WQO_2019_0002_UST

TUSTIN AUTO WASH (Continued) **U001743139**

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 10/04/2017
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/03/2018
Action: State Water Board Closure Order

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 07/31/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 04/19/2018
Action: File review

Global Id: T0605902351
Action Type: Other
Date: 08/18/1999
Action: Leak Reported

Global Id: T0605902351
Action Type: RESPONSE
Date: 03/02/2015
Action: Well Installation Workplan - Regulator Responded

Global Id: T0605902351
Action Type: RESPONSE
Date: 12/23/2015
Action: Request for Closure - Regulator Responded

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 11/22/2016
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/10/2016
Action: Staff Letter

Global Id: T0605902351
Action Type: RESPONSE
Date: 04/06/2016
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0605902351
Action Type: RESPONSE
Date: 05/20/2016
Action: Request for Closure - Regulator Responded

Global Id: T0605902351
Action Type: ENFORCEMENT

TUSTIN AUTO WASH (Continued) **U001743139**

Date: 03/06/2019
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 10/25/2016
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 12/20/2016
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 12/21/2016
Action: Meeting

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/27/2019
Action: File Review - Closure

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 07/29/2019
Action: File Review - Closure

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/25/2009
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 03/02/2009
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/30/2016
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/23/2016
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/01/2016
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/18/2016
Action: Staff Letter

DRAFT

TUSTIN AUTO WASH (Continued) **U001743139**

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/28/2016
Action: Email Correspondence

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 09/28/2012
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/02/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 12/23/2008
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 09/30/2008
Action: Staff Letter

Global Id: T0605902351
Action Type: RESPONSE
Date: 11/04/2016
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 11/04/2019
Action: Closure/No Further Action Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 09/12/2007
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 12/17/2010
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 12/17/2010
Action: Notice to Comply

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 08/18/2011
Action: Notice to Comply

Global Id: T0605902351
Action Type: ENFORCEMENT

TUSTIN AUTO WASH (Continued) **U001743139**

Date: 11/07/2011
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 11/08/2011
Action: File review

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 01/23/2012
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 06/24/2011
Action: Warning Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/29/2012
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/24/2012
Action: Site Visit / Inspection / Sampling

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 02/17/2012
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 05/14/2012
Action: Staff Letter

Global Id: T0605902351
Action Type: ENFORCEMENT
Date: 03/20/2012
Action: File review

LUST:
Global Id: T0605902351
Status: Open - Case Begin Date
Status Date: 08/18/1999

Global Id: T0605902351
Status: Open - Site Assessment
Status Date: 09/10/1999

Global Id: T0605902351
Status: Open - Remediation
Status Date: 06/15/2007

Global Id: T0605902351

DRAFT

TUSTIN AUTO WASH (Continued) **U001743139**

Status: Open - Site Assessment
Status Date: 08/05/2014

Global Id: T0605902351
Status: Completed - Case Closed
Status Date: 11/07/2019

CA FID UST:
Facility ID: 30003472
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148383134
Mail To: Not reported
Mailing Address: 535 E MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: TUSTIN 92680
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:
Name: TUSTIN AUTO WASH
Address: 535 MAIN
City,State,Zip: TUSTIN, CA 92780
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605902351
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: TUSTIN AUTO WASH
edr_fadd1: 535

DRAFT

TUSTIN AUTO WASH (Continued) **U001743139**

City,State,Zip: TUSTIN, CA 92780
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083003629T

CERS:
Name: TUSTIN AUTO WASH
Address: 535 MAIN
City,State,Zip: TUSTIN, CA 92780
Site ID: 187809
CERS ID: T0605902351
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9513206375

Affiliation Type Desc: Local Agency Caseworker
Entity Name: GENIECE HIGGINS - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336260

59
SSE
1/4-1/2
0.441 mi.
2330 ft.

EDS ARCO STATION
13662 NEWPORT
TUSTIN, CA 92680

LUST **S103943640**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Lower

Actual:
123 ft.

ORANGE CO. LUST:
Name: EDS ARCO STATION
Address: 13662 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92680
Region: ORANGE
Facility Id: 89UT100
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 04/13/1990
Record ID: RO0001457

LUST:
Name: EDS ARCO STATION
Address: 13662 NEWPORT
City,State,Zip: TUSTIN, CA 92680
Lead Agency: ORANGE COUNTY LOP

DRAFT

EDS ARCO STATION (Continued) **S103943640**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900983
Global Id:	T0605900983
Latitude:	33.741696
Longitude:	-117.818031
Status:	Completed - Case Closed
Status Date:	04/13/1990
Case Worker:	SR
RB Case Number:	083001279T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	89UT100
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605900983
Contact Type:	Local Agency Caseworker
Contact Name:	SHYAMALA RAJAGOPAL
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E. DYER ROAD SUITE 120
City:	SANTA ANA
Email:	srajagopal@ochca.com
Phone Number:	7144336262

Global Id:	T0605900983
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	valerie.jahn-bull@waterboards.ca.gov
Phone Number:	9517824903

LUST:

Global Id:	T0605900983
Action Type:	Other
Date:	06/07/1989
Action:	Leak Discovery

Global Id:	T0605900983
Action Type:	Other
Date:	06/07/1989
Action:	Leak Reported

Global Id:	T0605900983
Action Type:	ENFORCEMENT
Date:	04/13/1990
Action:	Closure/No Further Action Letter

Global Id:	T0605900983
Action Type:	ENFORCEMENT
Date:	06/13/1989
Action:	Letter - Notice

DRAFT

EDS ARCO STATION (Continued) **S103943640**

LUST:

Global Id:	T0605900983
Status:	Open - Case Begin Date
Status Date:	06/07/1989
Global Id:	T0605900983
Status:	Completed - Case Closed
Status Date:	04/13/1990

LUST REG 8:

Name:	EDS ARCO STATION
Address:	13662 NEWPORT
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001279T
Local Case Num:	89UT100
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900983
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/7/1989
Enforcement Date:	Not reported
Close Date:	4/13/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.741786
Longitude:	-117.818206
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0

DRAFT

EDS ARCO STATION (Continued) **S103943640**

Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

CORTESE:

Name:	EDS ARCO STATION
Address:	13662 NEWPORT
City,State,Zip:	TUSTIN, CA 92680
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605900983
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ARCO #3132
edr_fadd1:	13662 NEWPORT
City,State,Zip:	TUSTIN, CA 92680
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001279T

CERS:

Name:	EDS ARCO STATION
Address:	13662 NEWPORT
City,State,Zip:	TUSTIN, CA 92680
Site ID:	224097
CERS ID:	T0605900983

DRAFT

EDS ARCO STATION (Continued) **S103943640**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824903

---

60 East 1/2-1 0.530 mi. 2799 ft.

Relative: Lower

Actual: 136 ft.

CHEVRON #9-8149
13052 NEWPORT AVE
TUSTIN, CA 92680

ENVIROSTOR **U001559811**
LUST **N/A**
CA FID UST
Cortese
HIST CORTESE
CERS

ENVIROSTOR:
Name: PROPOSED WALGREEN PHARMACY
Address: 13052 NEWPORT AVENUE
City,State,Zip: TUSTIN, CA 92780
Facility ID: 30530001
Status: Refer: 1248 Local Agency
Status Date: 05/04/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.74885
Longitude: -117.8108
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

DRAFT

CHEVRON #9-8149 (Continued) **U001559811**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30530001
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

ORANGE CO. LUST:
Name: CHEVRON #9-8149
Address: 13052 NEWPORT AVE
City,State,Zip: TUSTIN, CA 92780
Region: ORANGE
Facility Id: 93UT069
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 10/19/2016
Record ID: RO0002645

LUST:
Name: CHEVRON #9-8149
Address: 13052 NEWPORT
City,State,Zip: TUSTIN, CA 92780
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901622
Global Id: T0605901622
Latitude: 33.7487298
Longitude: -117.8112557
Status: Open - Verification Monitoring
Status Date: 10/30/2014
Case Worker: RS
RB Case Number: 083002199T
Local Agency: Not reported
File Location: Local Agency Warehouse
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Aviation, Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

CHEVRON #9-8149 (Continued) **U001559811**

LUST:
Global Id: T0605901622
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

LUST:
Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 07/02/2004
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/03/2021
Action: Historic Files

Global Id: T0605901622
Action Type: Other
Date: 11/23/1992
Action: Leak Began

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 04/08/2015
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 10/10/2018
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 09/26/2014
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/23/2015
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 10/30/2014
Action: Staff Letter

Global Id: T0605901622
Action Type: Other
Date: 11/23/1992
Action: Leak Discovery

CHEVRON #9-8149 (Continued) **U001559811**

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 07/11/2018
Action: Staff Letter

Global Id: T0605901622
Action Type: REMEDIATION
Date: 06/07/2004
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 05/24/2018
Action: Meeting

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 11/21/2018
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/09/2015
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 11/27/2017
Action: Email Correspondence

Global Id: T0605901622
Action Type: Other
Date: 11/23/1992
Action: Leak Reported

Global Id: T0605901622
Action Type: RESPONSE
Date: 08/07/2014
Action: Request for Closure - Regulator Responded

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 04/22/2020
Action: Meeting

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 07/07/2020
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605901622
Action Type: ENFORCEMENT

CHEVRON #9-8149 (Continued) **U001559811**

Date: 10/19/2016
Action: Referral to Regional Board

Global Id: T0605901622
Action Type: RESPONSE
Date: 08/30/2018
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 05/16/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/11/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 05/19/2011
Action: File review

Global Id: T0605901622
Action Type: RESPONSE
Date: 09/21/2016
Action: Request for Closure - Regulator Responded

Global Id: T0605901622
Action Type: RESPONSE
Date: 05/30/2004
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605901622
Action Type: RESPONSE
Date: 06/30/2004
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/03/2021
Action: Historic Files

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 06/20/2007
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 12/21/2010
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 12/21/2010
Action: Staff Letter

CHEVRON #9-8149 (Continued) **U001559811**

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 10/18/2011
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 10/06/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/10/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 06/24/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 06/07/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 06/07/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 03/30/2011
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 06/24/2011
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 06/13/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 03/11/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 11/07/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT

CHEVRON #9-8149 (Continued) **U001559811**

Date: 11/21/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 01/24/2012
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 11/22/2011
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 12/01/2011
Action: Meeting

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 03/27/2012
Action: File review

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 02/08/2012
Action: Staff Letter

Global Id: T0605901622
Action Type: ENFORCEMENT
Date: 03/23/2012
Action: File review

LUST:
Global Id: T0605901622
Status: Open - Case Begin Date
Status Date: 11/23/1992

Global Id: T0605901622
Status: Open - Site Assessment
Status Date: 09/03/1993

Global Id: T0605901622
Status: Open - Assessment & Interim Remedial Action
Status Date: 03/28/2003

Global Id: T0605901622
Status: Open - Remediation
Status Date: 06/07/2004

Global Id: T0605901622
Status: Open - Site Assessment
Status Date: 12/21/2010

Global Id: T0605901622
Status: Open - Verification Monitoring
Status Date: 10/30/2014

CHEVRON #9-8149 (Continued) **U001559811**

LUST REG 8:

Name:	CHEVRON #9-8149
Address:	13052 NEWPORT AVE
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Remediation Plan
Case Number:	083002199T
Local Case Num:	93UT069
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901622
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/23/1992
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	11/23/1992
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7487298
Longitude:	-117.8112557
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported

CHEVRON #9-8149 (Continued) **U001559811**

Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:
Facility ID: 30001361
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145551212
Mail To: Not reported
Mailing Address: 1300 S BCH BLVD / P O BOX 2
Mailing Address 2: Not reported
Mailing City,St,Zip: TUSTIN 92680
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:
Name: CHEVRON #9-8149
Address: 13052 NEWPORT
City,State,Zip: TUSTIN, CA 92780
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605901622
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - VERIFICATION MONITORING
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: TREASURE FARMS MAIN YARD
edr_fadd1: 13052
City,State,Zip: TUSTIN, CA 92680
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA

CHEVRON #9-8149 (Continued) **U001559811**

Reg Id: 083002666T

edr_fname: CHEVRON #9-8149
edr_fadd1: 13052
City,State,Zip: TUSTIN, CA 92680
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002199T

CERS:
Name: CHEVRON #9-8149
Address: 13052 NEWPORT
City,State,Zip: TUSTIN, CA 92780
Site ID: 239887
CERS ID: T0605901622
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9513206375

61
WNW
1/2-1
0.820 mi.
4331 ft.

Relative:
Higher

Actual:
162 ft.

WESTERN MEDICAL CTR (EIS USE) **1000403038**
1001 N TUSTIN **N/A**
SANTA ANA, CA 92705

ENVIROSTOR
CERS HAZ WASTE
SWEEPS UST
HIST UST
CA FID UST
CERS TANKS
EMI
HAZNET
CERS
HWTS

ENVIROSTOR:
Name: WESTERN MEDICAL CENTER - SANTA ANA
Address: 1001 N. TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 71002574
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 Cypress

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.75312
Longitude: -117.8341
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD076061464
Alias Type: EPA Identification Number
Alias Name: 71002574
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

CERS HAZ WASTE:
Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 413556
CERS ID: 10558528
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: WESTERN MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City: SANTA ANA
Status: Not reported
Comp Number: 218
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000218-000001
Tank Status: Not reported

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Capacity: 30000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

Name: WESTERN MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 218
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-28-92
Action Date: 02-28-92
Created Date: 07-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000218-000002
Tank Status: A
Capacity: 12000
Active Date: 01-28-94
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:
Name: WESTERN MEDICAL CENTER
Address: 1001 N TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA 92705
File Number: 0001F0FF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F0FF.pdf
Region: STATE
Facility ID: 00000044278
Facility Type: Other
Other Type: HOSPITAL
Contact Name: WAYNE SCHROEDER
Telephone: 7148353555
Owner Name: WESTERN MEDICAL CENTER
Owner Address: 1001 N. TUSTIN AVENUE
Owner City,St,Zip: SANTA ANA, CA 92705
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00030000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 3/8
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Facility ID: 30000334
Regulated By: UTNKA
Regulated ID: 00044278
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148353555
Mail To: Not reported
Mailing Address: 1001 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CERS TANKS:
Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 413556
CERS ID: 10558528
CERS Description: Underground Storage Tank

EMI:
Name: WESTERN MEDICAL CTR, UNIT 1
Address: 1001 N TUSTIN AV
City,State,Zip: SANTA ANA, CA 92705
Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 4615
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: WESTERN MEDICAL CTR, UNIT 1
Address: 1001 N TUSTIN AV
City,State,Zip: SANTA ANA, CA 92705
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 4615
Air District Name: SC
SIC Code: 8062

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
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:	0
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:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Year:	1996
County Code:	30
Air Basin:	SC
Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
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:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Year:	1997
County Code:	30
Air Basin:	SC

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
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:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Year:	1998
County Code:	30
Air Basin:	SC
Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	3
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:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Year:	1999
County Code:	30
Air Basin:	SC
Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
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:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Year:	2000
County Code:	30
Air Basin:	SC
Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
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:	WESTERN MEDICAL CTR (EIS USE)
Address:	1001 N TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Year:	2001
County Code:	30
Air Basin:	SC
Facility ID:	800211
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
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

HAZNET:

Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Address:	1001 N TUSTIN AVE
Address 2:	Not reported
City,State,Zip:	SANTA ANA, CA 927053502
Contact:	KYLE HOURANEY
Telephone:	7149533500
Mailing Name:	Not reported
Mailing Address:	1001 N TUSTIN AVE
Year:	2019
Gepaid:	CAL000316673
TSD EPA ID:	CAD008364432
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:	0.01450
Year:	2019
Gepaid:	CAL000316673

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

TSD EPA ID: NED981723513
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.41050

Year: 2019
Gepaid: CAL000316673
TSD EPA ID: UTD981552177
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.58600

Year: 2018
Gepaid: CAL000316673
TSD EPA ID: UTD981552177
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.73250

Year: 2018
Gepaid: CAL000316673
TSD EPA ID: UTD981552177
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: -
Tons: 0.12250

Year: 2018
Gepaid: CAL000316673
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.23100

Year: 2018
Gepaid: CAL000316673
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 8.05000

Year: 2018
Gepaid: CAL000316673
TSD EPA ID: NED981723513
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.86350

Year: 2017
Gepaid: CAL000316673
TSD EPA ID: CAD008364432
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: 0.0055

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Year:	2017
Gepaid:	CAL000316673
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23

Click this hyperlink while viewing on your computer to access
51 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000316673
Shipment Date:	20171221
Creation Date:	10/27/2018 18:30:26
Receipt Date:	20180105
Manifest ID:	018247373JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEANHARBORS ENV SERVICES
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	NED981723513
TSDF Alt Name:	CLEAN HARBORS KIMBALL
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1325
Waste Quantity:	265
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:	20171221
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171228
Manifest ID:	018247372JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	P016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Waste Quantity:	11
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:	20171114
Creation Date:	6/13/2018 18:31:23
Receipt Date:	20171115
Manifest ID:	017497121JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
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:	20171103
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20171113
Manifest ID:	013289394JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0015
Waste Quantity:	3
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

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20171017
Creation Date:	10/9/2018 18:30:56
Receipt Date:	20171023
Manifest ID:	017400968JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	NED981723513
TSDF Alt Name:	CLEAN HARBORS KIMBALL
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.273
Waste Quantity:	546
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:	20171011
Creation Date:	10/16/2018 18:30:28
Receipt Date:	20171019
Manifest ID:	013289392JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0075
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

Shipment Date:	20171004
Creation Date:	6/13/2018 18:31:10
Receipt Date:	20171013
Manifest ID:	017497037JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170915
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171004
Manifest ID:	014810500JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional 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:	20170825
Creation Date:	10/5/2018 18:30:23
Receipt Date:	20170907
Manifest ID:	014810486JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
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:	20170718
Creation Date:	9/28/2018 18:30:17
Receipt Date:	20170802
Manifest ID:	014810459JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
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:	2011
Gen EPA ID:	CAL000316673
Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
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:	20110815
Creation Date:	10/19/2011 18:30:31
Receipt Date:	20110816
Manifest ID:	008368195JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110404
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007299737JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
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:	20110404
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007299737JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
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:	20110404
Creation Date:	8/15/2012 16:24:28
Receipt Date:	20110406
Manifest ID:	007299737JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	20110404
Creation Date:	8/15/2012 16:24:28
Receipt Date:	20110406
Manifest ID:	007299737JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
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:	20110404
Creation Date:	8/15/2012 16:24:28
Receipt Date:	20110406
Manifest ID:	007299737JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000316673
Shipment Date:	20090918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002347328JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
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:	20090918
Creation Date:	12/30/2010 9:08:42
Receipt Date:	20090923
Manifest ID:	002347328JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	10
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

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20090918
Creation Date:	12/30/2010 9:08:42
Receipt Date:	20090923
Manifest ID:	002347328JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.5445
Waste Quantity:	165
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:	20090918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002347328JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
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:	20090508
Creation Date:	12/30/2010 9:06:03
Receipt Date:	20090513
Manifest ID:	005361758JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.21
Waste Quantity:	50
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:	20090508
Creation Date:	12/30/2010 9:06:03
Receipt Date:	20090513
Manifest ID:	005361758JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005361758JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

	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:	20090508
Creation Date:	12/30/2010 9:06:03
Receipt Date:	20090513
Manifest ID:	005361758JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005361758JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	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

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090508
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005361758JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
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:	2008
Gen EPA ID:	CAL000316673
Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:33
Receipt Date:	20080730
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.495
Waste Quantity:	150
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:	20080721

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Creation Date:	8/15/2012 16:22:33
Receipt Date:	20080730
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:33
Receipt Date:	20080730
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	725 - Liquids with mercury > 20 mg/l
RCRA Code:	D009
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:	20080721
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D007
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:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:51
Receipt Date:	20080729
Manifest ID:	004100053JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.036
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:	20080721
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	20080721
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:33
Receipt Date:	20080730
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Info:

Year:	2007
Gen EPA ID:	CAL000316673
Shipment Date:	20071207
Creation Date:	3/5/2008 18:30:14
Receipt Date:	20071212
Manifest ID:	004099893JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.297
Waste Quantity:	90
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:	20070727
Creation Date:	1/8/2008 18:30:16
Receipt Date:	20070801
Manifest ID:	002378064JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070727
Creation Date:	1/8/2008 18:30:16
Receipt Date:	20070801
Manifest ID:	002378064JJK
Trans EPA ID:	CAD982030173

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
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:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.019
Waste Quantity:	5
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:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

RCRA Code:	D008
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:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000316673
Shipment Date:	20131231
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
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:	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:	0.0033
Waste Quantity:	1
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:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
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:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
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:	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:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
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:	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:	0.02085
Waste Quantity:	5
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:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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: 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: 20131231
Creation Date: 7/3/2014 22:15:07
Receipt Date: 20140210
Manifest ID: 011439771JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: NJD986607380
Trans 2 Name: MAUMEE EXPRESS INC
TSDF EPA ID: MOD981123391
Trans Name: HAZMAT INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: D002
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: 20130520
Creation Date: 8/6/2013 22:15:08
Receipt Date: 20130528
Manifest ID: 011134215JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SVS
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D001

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20130520
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	011439555JJK
Trans EPA ID:	CAR000172460
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:	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:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130520
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	011439555JJK
Trans EPA ID:	CAR000172460
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130520
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	011439546JJK
Trans EPA ID:	CAR000172460
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:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
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:	2010
Gen EPA ID:	CAL000316673
Shipment Date:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	0.495
Waste Quantity:	150
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

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20100909
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
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:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
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:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.114
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100401
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

	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:	20100401
Creation Date:	8/15/2012 16:24:00
Receipt Date:	20100407
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100401
Creation Date:	8/15/2012 16:24:00
Receipt Date:	20100407
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
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

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100401
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	725 - Liquids with mercury > 20 mg/l
RCRA Code:	D009
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
Shipment Date:	20100401
Creation Date:	8/15/2012 16:24:00
Receipt Date:	20100407
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
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:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000316673

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20151120
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151124
Manifest ID:	015033003JJK
Trans EPA ID:	CAR000172460
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:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
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:	20151120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20151120
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151124
Manifest ID:	015033003JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
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:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Waste Quantity:	1
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:	20151120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20151103
Creation Date:	5/12/2016 9:59:35
Receipt Date:	20151201
Manifest ID:	015033711JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	1.4178
Waste Quantity:	340
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:	20151103

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
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:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	10
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:	20150727
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150729
Manifest ID:	014580177JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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: 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: 2012
Gen EPA ID: CAL000316673

Shipment Date: 20121130
Creation Date: 2/18/2013 22:15:20
Receipt Date: 20121217
Manifest ID: 010615147JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SVS
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON 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: 0.0066
Waste Quantity: 2
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: 20121130
Creation Date: 2/14/2013 22:15:16
Receipt Date: 20121203
Manifest ID: 008408981JJK
Trans EPA ID: CAR000172460
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

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	0.0075
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
Shipment Date:	20121130
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121203
Manifest ID:	008408981JJK
Trans EPA ID:	CAR000172460
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:	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:	20121130
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121203
Manifest ID:	008408981JJK
Trans EPA ID:	CAR000172460
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:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.019
Waste Quantity:	5

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	20121130
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121203
Manifest ID:	008408981JJK
Trans EPA ID:	CAR000172460
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:	181 - Other inorganic solid waste 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:	0.0025
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:	20120611
Creation Date:	8/7/2012 22:15:26
Receipt Date:	20120612
Manifest ID:	010210598JJK
Trans EPA ID:	CAR000172460
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:22
Receipt Date:	20120613
Manifest ID:	010210600JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02085
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:	20120611
Creation Date:	8/7/2012 22:15:26
Receipt Date:	20120612
Manifest ID:	010210598JJK
Trans EPA ID:	CAR000172460
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:	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:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:22
Receipt Date:	20120613
Manifest ID:	010210599JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
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

Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:22
Receipt Date:	20120613
Manifest ID:	010210599JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
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:	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:	CAL000316673

Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
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:	20151120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20151120
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151124
Manifest ID:	015033003JJK
Trans EPA ID:	CAR000172460
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:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

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:	20151120
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151124
Manifest ID:	015033003JJK
Trans EPA ID:	CAR000172460
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:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
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:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20151120
Creation Date:	Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Receipt Date:	Not reported
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
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:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
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:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
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

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	10
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:	20151103
Creation Date:	5/12/2016 9:59:35
Receipt Date:	20151201
Manifest ID:	015033711JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	1.4178
Waste Quantity:	340
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:	20150727
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150729
Manifest ID:	014580177JJK
Trans EPA ID:	CAR000172460
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:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.187
Waste Quantity:	55

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000316673

Shipment Date: 20141215
Creation Date: 3/6/2015 22:15:05
Receipt Date: 20141217
Manifest ID: 013482056JJK
Trans EPA ID: CAR000172460
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: 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: 20141215
Creation Date: 3/6/2015 22:15:05
Receipt Date: 20141217
Manifest ID: 013482056JJK
Trans EPA ID: CAR000172460
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: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.057
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140811
Creation Date:	9/30/2014 22:15:08
Receipt Date:	20140812
Manifest ID:	013481512JJK
Trans EPA ID:	CAR000172460
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:	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:	20140811
Creation Date:	9/30/2014 22:15:08
Receipt Date:	20140812
Manifest ID:	013481512JJK
Trans EPA ID:	CAR000172460
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:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.255
Waste Quantity:	75
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:	20140616
Creation Date:	8/26/2014 22:15:12
Receipt Date:	20140625

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Manifest ID:	012769065JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140508
Creation Date:	7/12/2014 22:15:07
Receipt Date:	20140509
Manifest ID:	012428034JJK
Trans EPA ID:	CAR000172460
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:	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:	0.0417
Waste Quantity:	10
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

CERS:

Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Address:	1001 N TUSTIN AVE
City,State,Zip:	SANTA ANA, CA 92705
Site ID:	413556
CERS ID:	10558528
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	413556

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	12-19-2013
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 07/09/2015. The following items were missing on the electronically submitted site map: Failure to label map with Business Name and Address Failure to label or identify hazardous materials storage areas Failure to identify location of building exits Failure to identify multiple stories of building
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-19-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 02/14/2017. UPC forms completed on the CERS portal are not accurate. Refer to the CERS portal for regulator comments and make the necessary corrections that have been requested. Correct the violation within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-13-2021
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 02/05/2021. The Certification of Financial Responsibility (CFR) in CERS is expired; form is dated 9/20/2019. The business uploaded the updated CFR form in CERS at the time of inspection. Please submit the UST section via CERS within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-13-2021
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

	liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 01/13/2021. The Designated Operator (DO) inspection reports from the previous 12 months (1/27/2020 - 12/30/2020) had inaccurate test dates for the last overfill prevention test. Reports indicated a test date of 12/20/2018, however correct test date was 12/5/2018. The DO inspection reports were amended by the DOs at the time of inspection. The violation was corrected.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	02-17-2015
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes:	Returned to compliance on 03/04/2015. The results of the SB989 test indicate the piping sump failed. Have the sump repaired and retested and submit the results to this agency. Submit plans to this agency if required for the repairs.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-13-2021
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 02/05/2021. The facility has changed Designated Operator (DO) and has not submitted an updated Designated UST Operator Identification Form via CERS. Please submit an updated Designated UST Operator Identification Form via CERS within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-26-2021
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 02/05/2021. The OPW Flapper located in the Diesel fill sump failed testing on 1/13/2021. Repair or replace the failed component and retest within 30 days. Prior to conducting repairs, the facility must determine whether a plan check submittal is required. Plan check fees and the Facility Modification Application can be found at www.occupainfo.com
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 01-13-2021
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/05/2021. The following hazardous materials are stored on site at or above reportable quantities and have not been reported in CERS: - Oxygen Gas (stored in various cylinders, largest cylinder is 251 cubic feet; approximate total of 6,211 cubic feet) - Carbon Dioxide (stored in various cylinders, largest container is 437 cubic feet; approximate total of 5,681 cubic feet) - Nitrogen (28 x 230 cubic foot cylinders; approximate total of 6,440 cubic feet) - Nitrous Oxide (16 x 489 cubic foot cylinders; approximate total of 7,824 cubic feet) - Compressed Air (13 x 236 cubic foot cylinders; approximate total of 3,068 cubic feet) - Propane (2 x 7 gallon cylinders; total of 14 gallons) Update and resubmit the Hazardous Material Inventory in CERS within 30 days to include the above hazardous materials.

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-13-2021
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 02/05/2021. Employee training records were not available for review at the time of the inspection. All employees are required to be trained annually; new employees are required to be trained within 6 months. Provide employee training that covers safety procedures in the event of a release or threatened release of a hazardous material and/or the Emergency Response Plan. Submit training records to this agency within 30 days with the following information documented: - Topic of training - Date of training - Employee name - Employee signature
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	12-19-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 07/09/2015. Elements of the chemical descriptions within the electronically submitted BEP are missing (e.g. Size of Largest Container, Average Daily Amount, etc.). Update the chemical information required on the forms
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	01-17-2019
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 01/17/2019. CFR Form in CERS expired on 09/07/2018. Current CFR form was uploaded to CERS during inspection. Violation corrected on site.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Violation Date:	12-28-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers 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 01/10/2017. Several containers of hazardous waste and universal wastes are missing the accumulation start dates. Add the start dates to the containers when waste is first added.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	413556
Site Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date:	12-05-2018
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 12/05/2018. Overfill prevention equipment testing was required to be completed by 10/13/2018 and must be re-tested every three years thereafter. Testing was completed on this date. Violation has been corrected.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	02-05-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Notes:	The business updated and resubmitted the following documents in CERS: - Designated UST Operator Identification Form - Certification of Financial Responsibility (dated 12/10/2020) In addition, the following document was received by this Agency: - Overfill Prevention Equipment Inspection Report Form (repair test dated 1/26/2021) Like-for-like flapper was installed, re-tested, and PASSED. Violations I583, I671, and I101 have been corrected. No violations remain under the Underground Storage Tank program. A copy of this report will be emailed to: Ron Kress, Lead Plant Engineer <ronald.kress@kpchealth.com>
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-08-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documents submitted to CERS on 1/17/18 and were accepted: -Site Plan -Monitoring Plan -CFR -Leak Response Plan -CFO Letter -DO Statement
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-17-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification and SB989 test results for the underground storage tank at this site. The results for the monitor certification and spill bucket test indicate all components passed. .
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-18-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This Agency received a monitoring system certification dated 1/24/2014 for the Veeder-Root TLS 300-C1 monitoring system. The following equipment was certified to have been inspected/serviced in accordance with manufacturer's guidelines and was operational per manufacturer's specifications: in-tank gauging probes; annular space sensors; piping sump sensors; fill sump sensors; and, tank overfill/high level sensors. Also included was a spill bucket testing report form dated 1/24/2014 with results G PASS.G
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-24-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Notes:	CFR for the coverage period of 9/6/15-9/6/16 accepted in portal. Note to own/op: Please maintain insurance documents on site and make them available for review during inspections.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-03-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 retest notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification and spill bucket tests dated 1/19/17. Section D of the report needs correction regarding pressurized piping systems. Please indicate "N/A" as this system uses suction piping. Also un-check all boxes in this area that do not apply. Make the necessary corrections and re-submit the report to this agency.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-14-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification and spill bucket test dated 1/22/16. The results indicate all components passed.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-16-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the SB989 retest results for the piping sump on the underground tank dated 3/4/15. The results indicate the sump was repaired, retested and passed. Violation I382 abated. No outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-25-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed submission package on eSubmit Portal, DECLINED. Request for

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

re-submittal this date. Please verify the vent Piping is actually secondarily contained. Please check ISOLATION for corrosion protection. Monitoring Plan please: Check box IV 1 Continuous Electronic...; Uncheck box IV 2 Automatic Tank Gauging...; Check box V 1 Continuous Electronic... and Secondary Containment is a: DRY; & Check box V 5 Visual Pipe Montitoring; Uncheck box V 6 Suction Piping...; Check box VI 4 No dispensers. Please provide a plot plan with the entire piping run. For questions please contact Alvin Dong, adong@ochca.com 714 640 9358

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-26-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed contents of UST file from Santa Ana Fire Department and first removed all documents associated with remediation of a leaking UST; these will be given to our AgencyG s LOP program for review. The remaining documents were reviewed, sorted, and filed in our AgencyG s UST file.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the revised monitor certification dated 1/19/17 with the requested corrections.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Print HM forms and review for inspection.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Print waste stream and review for inspection.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2015
Violations Found: No

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Type:	Routine done by local agency
Eval Notes:	On site for a hazardous materials inspection. Consent to enter and inspect granted by Robert Kessler. Observed the following qualifying hazardous materials: - 55 gallon container of corrosive liquid used for the cooling towers (chemical needs to be added to HM Disclosure in Portal) - One 525 gallon liquid oxygen tank (volume needs to be added to HM Disclosure form in Portal) - One liquid oxygen tank (volume unknown and needs to be added to HM Disclosure in Portal) - One underground diesel tank for back-up generators (volume needs to be added to HM Disclosure form in Portal) Annual Hazardous Materials DOT training records for employees are current and available for review. The Business Emergency Plan is on site.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a recycling inspection. Consent to enter and inspect granted by Robert Kessler. Observed the Histology Department. Formalin waste continues to be recycled at this lab. A recycling log is maintained and appears that less than 100 kg of formalin is recycled per year. If formalin recycling exceeds 100kg per month then a Hazardous Waste Recycling form must be completed every 2 years.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Robert Kessler. Observed the waste storage area, Histology Department, morgue, and main lab. Drums and containers of wastes are covered and labeled. Wastes include formalin, minimal amounts of xylene, waste oil, mercury thermometers, and universal wastes. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review. Verified the owner as Integrated Healthcare Holdings.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-18-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Accepted DO owners statement in portal. DO = Ronald Kress
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-18-2016

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed submission package on eSubmit Portal, DECLINED. Request for re-submittal this date. Please Check box UST Tank VI Fill Components Installed : Containment Sump Monitoring Plan please: Check box V 1 Continuous Monitoring of pipe... and Secondary Containment is a: DRY; & Panel Mfg and Model, Leak Sensor: 205 Check box V 5 Visual Pipe Monitoring--Min monthly and each time system operated. For questions please contact Alvin Dong, adong@ochca.com 714 640 9358
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change toOrange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change toOrange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change toOrange

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

	County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change toOrange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-09-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review pre 2015 HMBEP submission. Accepted pending review of the more recent submission.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-11-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Facility has complied with 2016 HMBEP reporting requirements. Reviewed HMBEP submittal on E-submit. Package was declined and an email sent to the facility contact. The following corrections are needed: CHEMICAL INVENTORY Diesel G max daily amount must be at least the same as largest container//storage pressure is ambient Liquid Oxygen G add cryogenic to the fire code hazard classes//max daily amount must be equal to or larger than amount listed under largest container//add acute health to the federal hazard categories//storage temperature = cryogenic Xylene G complete largest container, average daily, max daily and days on site fiels SITE MAP Please add the following to your map: hazardous materials storage locations, building entrances and exits and storm drains and sewers.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-15-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I reviewed the CFR form submitted on our Agencys e-Submit portal and the form was Accepted. Coverage period is from 9/06/2013 to 9/06/2014.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-24-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	open HMBEP pages individually on e-Submit and print for later review.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-24-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Notes:	open UST pages individually on e-Submit and print for later review.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-28-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed E-Submit submittal but could not save data (server down).
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-05-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-08-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	submission in review
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	submission in review
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	submission in review
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review of waste streams and hw shipped 2013.
Eval Division:	Orange County Environmental Health
Eval Program:	HW

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the Certificate of Return to Compliance. Violation I400 abated. No outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine hazardous materials and business emergency plan inspection. Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Diesel fuel (12,000 gallons stored in UST) - AquaServ 2302D (approximately 60 gallons) - AquaServ 2632 (approximately 60 gallons) - AquaServ 4913D (approximately 60 gallons) - AquaServ 4622 (approximately 60 gallons) - Liquid Oxygen (1 x 6,000 gallon tank, 1 x 525 gallon tank; total of 6,525 gallons) - Oxygen Gas (stored in various cylinders, largest cylinder is 251 cubic feet; approximate total of 6,211 cubic feet) - Carbon Dioxide (stored in various cylinders, largest container is 437 cubic feet; approximate total of 5,681 cubic feet) - Nitrogen (28 x 230 cubic foot cylinders; approximate total of 6,440 cubic feet) - Nitrous Oxide (16 x 489 cubic foot cylinders; approximate total of 7,824 cubic [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-13-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine UST inspection and to observe the Monitoring System Certification. The facility has the following double-walled tank: - Diesel fuel: 12,000 gallons Tank is monitored by a Veeder Root (VR) TLS-300 system. Fill and piping sumps are monitored by VR205 sensors. Annular is monitored by a VR420 sensor. Tank has double-walled suction piping. Sensors were tested and operational. Tank utilizes a flapper for overfill prevention. Overfill prevention testing was last conducted on 12/5/2018; it must be tested every 36 months. Overfill prevention testing was performed during today's inspection. Secondary containment testing was last conducted on 1/17/2018; it must be conducted every 36 months. Secondary containment testing was performed during today's inspection. Testing was conducted by Edwin Coreas of Fuel Pros. Tester certifications (ICC, VR, Incon) were verified on site. Please submit test reports to this Agency within 30 days. A [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine UST inspection and to observed the following testing: - Annual Monitoring System Certification - Spill Container Testing The facility has one 12,000-gallon double-walled tank (Diesel) used for an emergency generator. The tank is monitored by a Veeder-Root (VR) TLS-300 system. Fill sump and piping sump are monitored by VR-205 sensors. Annular is monitored by a VR-420 sensor. The tank has double-walled suction piping. Testing was conducted by Joseph Gonzalez of Fuel Pros Inc. Tester certifications (VR, ICC) were verified. Flapper valve is used for overfill prevention. Overfill prevention test was last performed on 12/5/2018. Testing must be performed every 36 months. Secondary Containment testing was last performed on 1/17/2018. Testing must be performed every 36 months. Please submit the test reports to this agency within 30 days.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: On site for routine Recycler inspection, consent to enter and conduct inspection activities was provided by Ronald Kress, Lead Engineer. Facility recycles the following materials in the following quantites: -Xylene: 0.264 gallons per year -Formuline: 8.45-16.91 gallons per month -Alcohol: 6-8 gallons per year Facility recycles below the regulatory threshold for reporting recyclable material. Changing to status 02.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Testing was conducted by Joseph Gonzalez of Fuel Pros. Tester certifications (VR, ICC) were verified. Certification stickers were attached to all tested components. Please submit the test reports to this Agency within 30 days. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300 system. Tank is used as a back-up generator. Site uses a flapper valve for overfill prevention. Annular sensors and sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water for the Diesel tank. Fail-safe, sensor out and emergency shut off were tested and passed. Spill buckets were tested visually without any changes in water level. The following documents were available for review: Monitoring Plan, Leak Response Plan, Test Reports, Maintenance Records, DO Monthly Reports, [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: The following materials were observed on site at or above the regulatory threshold for reporting: -Aqua-Serve 2302D: one 60 gallon container -Aqua-Serve 2362: one 60 gallon container -Aqua-Serve 4622: one 60 gallon container -Aqua-Serve 4913D: one 60 gallon container -Diesel: one 12,000 gallon underground storage tank -Liquid Oxygen: one 6,000 gallon tank and one 525 gallon tank Assisted facility with 2018 CERS submission on this date.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Testing was conducted by Joseph Gonzalez of Fuel Pros. Tester certifications (VR, ICC) were verified. Certification stickers were attached to all tested components. Please submit the test reports to this Agency within 30 days. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300 system. Tank is used as a back-up generator. Site uses a flapper valve for overfill prevention. Annular sensor and sump sensors alarmed properly (visual and audible). Spill bucket testing not witnessed by this agency. The following documents were available for review: Monitoring Plan, Leak Response Plan, Test Reports, Maintenance Records, DO Monthly Reports, DO Annual Employee Training Records, CFR and daily inspection records for above ground piping. Secondary containment testing last conducted on 01/17/2018. Secondary containment must be [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has one double walled tank with double walled suction piping for a back-up generator. The tank system is monitored by a Veeder Root TLS-300. The piping sump sensor, fill sump sensor, and annular sensor were tested for alarm. The tank uses a flapper valve for overfill prevention. The spill bucket was visually tested. The following documents are available for review: - UPC forms from CERS - Certificate of financial responsibility dated 1/9/16 - UST response plan - UST monitoring plan - UST plot plan - Designated operator statement - expiration dated 9/12/18 - DO monthly inspections with alarm history - Employee training records are current - No alarms since last inspection - Monitor certification dated 1/22/16 - SB989 test dated 1/23/15, 3/4/15 - Spill bucket tests dated 1/22/16 - Above

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

ground piping daily inspection log
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-29-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST documents conditionally accepted in eSubmit Portal The following documents were received: UST Facility Page UST Tank Pages, 1 tank (D) Monitoring Plan Leak Response Plan Facility Diagram Monitoring system certification dated 1/22/16 Secondary containment test report dated 1/23/15 Certification of Financial Responsibility documents dated 1/19/16 Certification of Financial Responsibility documents for the coverage period of 1/19/16-1/19/17 Your UST submittal has been conditionally excepted to facilitate data transfer to the California Environmental Reporting System (CERS). Please corrected the following items once your data has been transferred to CERS. Monitoring Plan Section V G Please include the manufacturer of the leak sensor and put the model # in the right box. Any questions, please feel free to contact me at minh.le@ochca.com or 714-720-1327. Thank you. Minh Le.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-08-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received email from Ron Kress regarding his HMBEP submittal which he is working on correcting. Instructed Ron that the E-submit site has been closed down and he will not be able to make any changes to his information. HMBEP status is being changed in order to facilitate the movement of his data to CERS. All corrections previously noted will still be needed.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval General Type:	Other/Unknown
Eval Date:	09-10-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-10-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I reviewed a CFR form and a Designated Operator form submitted on our AgencyG s esubmit portal. Both the Designated Operator form and the CFR form were G Accepted.G
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-23-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Declined: UST Denied. Reviewed UST submission package on eSubmit Portal. Insufficient information for all elements. Submission DENIED. Request for re-submittal. Organized file, purged expired documents.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-04-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed status in portal, and since there was no entry for the history, I entered: "2013-09-10 I reviewed the CFR form submitted on our AgencyG s esubmit portal and the form was G Accepted.G "
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-08-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	HMBEP declined in E-Submit. The following notes were included in the review: "Provide an EPA ID# if you generate hazardous waste as indicated on the business activities page. Provide a mailing address for the business owner. For all materials, provide values for largest container, maximum daily amount, average daily amount, and days on site. Maximum daily amount should be greater than or equal to the largest container. Provide a correct CAS# for Diesel. Use 68476-34-6 or 68334-30-5. Change the hazardous material type to pure. Provide a CAS# for oxygen. Indicate that xylene is in the acute and chronic health federal hazard categories. Label the following on the site map: -Hazardous material storage and handling areas -Entrances and exits

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

-Evacuation staging area Please contact Jonathan Alaniz at jalaniz@ochca.com with any questions."
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-12-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed submission in e-Submit portal, and set status in portal to G DECLINED,G based on the following: 1) most fields on UST TANK INFORMATION form have not been completed, 2) can not review UST MONITORING PLAN without a completed UST TANK INFORMATION form. Other forms submitted also: 1 BUSINESS ACTIVITIES form: OK 2 BUSINESS OWNER-OP form: OK 3 UST FACILITY INFORMATION form: OK 4 UST TANK INFORMATION forms: Not OK, as most fields on form have not been completed. 05 CERT OF FIN RESP and CFO LETTER: OK G approved 9/10/2013 (9/06/2012 to 9/16/2013 is coverage period) 6 UST MONITORING PLAN: Can not review without completed UST TANK INFORMATION form. 7 MONITORING SITE PLAN: OK 8 UST RESPONSE PLAN: OK 9 OWNER STATEMENT - DO form: OK 10 OWNER-OP AGREEMENT: N/A
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received notification of monitoring cert. Put date on calendars. Ran Report 7800 for use at A01.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received notification of UST monitoring cert. Put date on calendar and expect to do A01 for Recycler. Ran Report 7800 for use at A01.
Eval Division: Orange County Environmental Health
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-22-2014

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	A review of hazardous waste manifests shipped from your facility last calendar year (2013) indicates that on HW Manifest No. 0111192089 (ship date 3/12/13) several drums of formalin waste were shipped for treatment. Our inspection conducted on 12/19/13 indicated that formalin was being recycled in the pathology department, but that alcohol and xylene were no longer being recycled. Clarify whether alcohol and xylene are no longer recycled at this facility, and if no longer recycled, indicate how that waste is being managed.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-22-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review for inspection.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has 1 double walled diesel tank with double walled suction piping for a back up generator. The piping sump sensor, fill sump sensor, and annular sensor were tested for alarm. The tank uses a mechanical overfill prevention device. The spill bucket was visually tested and passed. Tank is monitored by a Veeder Root TLS-300. Observed the following documents: - Certificate of financial responsibility dated 1-19-16 - Designated Operator statement - expiration dated 9-15-16 - DO monthly inspections with alarm history - Employee training records are current - Monitor certification dated 1/23/15 - SB989 test results dated 1/23/15, 3/4/15 - Spill bucket test dated 1/23/15 - Service tickets, work orders - Required UPC forms from E-Submit portal No alarms identified since last monitor certification.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-23-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Talked to Dennis Rock on the phone to confirm monitoring system certification tomorrow and to learn where the UST is located at the hospital.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-23-2015

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has 1 double walled diesel tank with double walled suction piping for a back-up generator. The annular sensor, piping sump sensor, and fill sump sensor activate alarms on the Veeder Root monitor. Verified a flapper valve for overfill prevention. The spill bucket was visually tested and passed. All technician certifications verified today. The following documents are available for review: - Monthly designated operator inspection reports with alarm history - Annual employee training records are current - Monitor certification dated 1/24/14 - SB989 test results dated 1/30/12 - Spill bucket test dated 1/24/14 - Work orders, service tickets UPC forms have been submitted on the E-Submit Portal.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-23-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documents were received and ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	A routine hazardous waste inspection of this facility was conducted today. Access to the facility was provided by Obie Graves, EVS Director, and Joe Brothman, Safety and Emergency Management. The following Departments were visited: - Medical Waste Final Storage Area - OC Burn Unit - Observation Unit - 6th Fl Med Surg - 4th Fl Med Surg - Labor/Deliver - NICU - C-Section OR - OR - ICU - CCU - Main Lab - Histology - Blood Unit - Microbiology - ER - Pharmacy. Note that this facility no longer provides Oncology Services - Chemo waste is not generated at this facility. - Morgue - Hazardous Waste Storage Area As discussed with the operator, the facility no longer generates chemotherapy waste since Oncology services are no longer offered at this location. RCRA hazardous waste containers though should be used to contain RCRA-defined hazardous waste that might otherwise be generated in the Pharmacy. Review the guidance documents to be via [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On this date the Recycling Unit in the Histology Department was

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

reviewed. Currently only formalin waste is recycled at this facility - alcohol and xylene are no longer processed. A review of the current year's log shows that the maximum volume recycled was 32 liters of waste formalin. Facilities that recycle over 100 kg of waste are required to file a Hazardous Waste Recycler form each even numbered year. If this facility begins to recycle more than the 100 kg limit, contact me for more information of filing the form.

Eval Division: Orange County Environmental Health
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: A routine hazardous materials inspection of this facility was conducted today. Access to the facility was provided by Obie Graves, EVS Director, and Joe Brothman, Safety and Emergency Management. The following Departments were visited: - Medical Waste Final Storage Area - OC Burn Unit - Observation Unit - 6th Fl Med Surg - 4th Fl Med Surg - Labor/Deliver - NICU - C-Section OR - OR - ICU - CCU - Main Lab - Histology - Blood Unit - Microbiology - ER - Pharmacy. Note that this facility no longer provides Oncology Services - Chemo waste is not generated at this facility. - Morgue - Hazardous Waste Storage Area Training documents and the Business Emergency Plan (BEP) were reviewed. The current BEP lists diesel, Oxygen, and xylene as part of the hazardous material disclosure. Although most chemical amounts are below the normal thresholds of 55 gallons, 500 pounds, or 200 cubic feet (or else otherwise excluded), review the list of Extremely Hazardous [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-20-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documentation has been received by this agency: -Overfill Prevention Equipment Inspection Report for test date 12/05/2018 The following components passed testing: -Flapper Valve Overfill prevention testing was required to be completed by 10/13/2018.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: I was on site to conduct a routine inspection while a monitoring system certification is being performed by Dennis Rock Construction. The technician on site, Dana Rock, showed me his ICC UST Service Technician certification card with expiration date of 7/12/2015 and his Veeder-Root certified technician card with expiration date of 5/13/2014. A Veeder-Root TLS-300 monitoring system is in use here to

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

monitor USTs. This facility has one UST, and it is used to supply diesel fuel to the emergency generator on site. The UST is double-walled, and fuel to drawn to the day tank of the emergency generator using a suction system. For overfill protection, a flapper valve is in the drop tube of the UST. All UST manhole covers to the UST system were opened by the technician and the following was observed: -No pooled liquid observed in sumps; -all sensors were located in the low point of sumps; -all secondary piping test boots within piping sumps and UDCG s were pulled back from [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: prep for A01
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-26-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received by this Agency: - Monitoring System Certification Form (dated 1/13/2021) - Spill Container Testing Report Form (dated 1/13/2021) All tested components PASSED. In addition, the following documents were received by this Agency: - Secondary Containment Testing Report Form (dated 1/13/2021) - Overfill Prevention Equipment Inspection Report Form (dated 1/13/2021) The following secondary containment components PASSED testing: - Tank Secondary (x1) - Pipe Secondary (x3) - Sump Secondary (x2) The following overfill prevention equipment FAILED testing: - OPW Flapper (x1) The following violations cited on a previous inspection report remain uncorrected: (1583) - Failure to submit a maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance (I671) - Failure to submit the "Designated Underground Storage Tank Operator Identification Form" within 30 days of a change in [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-27-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents have been received by this agency: - Monitoring System Certification Form (dated 1/16/2020) - Spill Container Testing Report Form (dated 1/16/2020) The following components were tested and PASSED: - Annular Space Sensor (1x VR-420) - Product Piping Sump Sensor (1x VR-205) - Filling Piping Sump Sensor (1x VR-205) - Spill Container (1x)
Eval Division: Orange County Environmental Health
Eval Program: UST

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-29-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documentation has been received by this agency: -Monitor System Certification for test date 01/17/2019 -Spill Container Testing Report for test date 01/17/2019 The following components passed testing: -Annular Sensor (x1) -Piping Sump Sensor (x1) -Spill Bucket (x1)
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-30-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review CERS submittal - not accepted. Issue violation in A01 report.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-03-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conversation with Safety Officer Joe Brothman today. Joe states that alcohol and xylene are recycled in Histology Department, but he will verify with histology staff person (Kelly) . Joe will email back with information regarding xylene and alcohol management.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Regarding alcohol and xylene previously generated and recycled in Histology, the operator (Joe Brothman) stated on 2/3/14: I spoke with histology who detailed our chemical processes. We do recycle alcohol, xylene and formalin, but since we outsourced our histology, we mostly only deal with formalin and only rarely use alcohol or xylene. Our log, as detailed in the photo, does capture any time we recycle these chemicals. From our records we are using less of each chemical than previous years, and we have never been cited for needing a permit. If you would like to come take a look, I am available anytime this week.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Notes:	Regarding alcohol and xylene previously generated and recycled in Histology, the operator (Joe Brothman) stated on 2/3/14: I spoke with histology who detailed our chemical processes. We do recycle alcohol, xylene and formalin, but since we outsourced our histology, we mostly only deal with formalin and only rarely use alcohol or xylene. Our log, as detailed in the photo, does capture any time we recycle these chemicals. From our records we are using less of each chemical than previous years, and we have never been cited for needing a permit. If you would like to come take a look, I am available anytime this week.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reviewed history of my activities here and responded to email from supe.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-28-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Robert Kessler. Observed the waste storage areas, perimeter of facility and trash containers. Containers of wastes are covered and labeled. Wastes include formalin, fuel, oily rags, oil, phenol, ethanol, acids, sodium hydroxide, labpack waste, and universal wastes. Manifests for waste disposal are available for review. Emergency response and spill procedures are available on site. Correct the violation within 30 days. Complete the attached CRC and return to this agency. .
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-30-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-31-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	February 2015 submission DELETED Ownership change June 2015 current submission requires piping, monitoring plan & plot plan corrections. For questions please contact Alvin Dong, adong@ochca.com 714 640 9358
Eval Division:	Orange County Environmental Health

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-31-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Most recent submittal is in E-Submit under the UST(PA) link. Deleted the submission dated 7/24/14 in the OC UST link.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-04-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed history of my activities here and responded to email from super regarding time spent on this faciltiy.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review HM submittal per conversation with Ron Kress regarding issues making changes in portal.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-05-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Spoke with Ron Kress, rejected HM submittal in E-Submit.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR COMMENTS: The following documents have been received and reviewed by this agency: -Monitor System Certification dated 01/17/2018 -Secondary Containment Testing dated 01/17/2018 All components regulated by this agency passed testing.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-05-2021
Violations Found: No

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	The business updated and resubmitted the following documents in CERS: - Business Activities - Business Owner/Operator Identification - Hazardous Material Inventory - Site Map - Emergency Response Plan/Employee Training Plan The documents were reviewed and ACCEPTED by this Agency. In addition, the following documents were provided to this Agency: - Employee Training Records (dated 2/3/2021) Violations I336 and I239 have been corrected. No violations remain under the Hazardous Material Disclosure program. Please note: - All employees are required to be trained annually; new employees are required to be trained within 6 months. Maintain employee training records on site for a minimum of three (3) years A copy of this report will be emailed to: Ron Kress, Lead Plant Engineer <ronald.kress@kpchealth.com>
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	413556
Facility Name:	ORANGE COUNTY GLOBAL MEDICAL CENTER
Env Int Type Code:	HMBP
Program ID:	10558528
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.753160
Longitude:	-117.834160

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406

Affiliation Type Desc:	Document Preparer
Entity Name:	Ronald Kress
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1001 N TUSTIN AVE
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ronald Kress
Entity Title:	Lead Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Kyle Houraney
Entity Title:	Not reported
Affiliation Address:	1001 N. Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	KPC HEALTH
Entity Title:	Not reported
Affiliation Address:	1301 N. Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 953-3641
Affiliation Type Desc:	Operator
Entity Name:	KPC Healthcare 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:	(714) 953-3500
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Kyle Houraney
Entity Title:	Not reported
Affiliation Address:	1001 N. Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	Not reported
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 953-3480
Affiliation Type Desc:	Legal Owner
Entity Name:	KPC Healthcare Inc
Entity Title:	Not reported
Affiliation Address:	1301 N. Tustin Ave.
Affiliation City:	Santa Ana

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WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 953-3652

Affiliation Type Desc: Parent Corporation
Entity Name: Western Medical Center Anaheim
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: Robert Kessler
Entity Title: Dir. Facilities
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 953-3641

Affiliation Type Desc: UST Property Owner Name
Entity Name: KPC HEALTH
Entity Title: Not reported
Affiliation Address: 1301 N. Tustin
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 953-3641

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705-3502
Site ID: 504834
CERS ID: 110002416252
CERS Description: US EPA Air Emission Inventory System (EIS)

HWTS:
Name: WESTERN MEDICAL CENTER SANTA ANA
Address: 1001 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAL000292871
Inactive Date: 06/30/2006
Create Date: 04/06/2005
Last Act Date: 05/25/2007
Mailing Name: Not reported
Mailing Address: 1001 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 92705
Owner Name: WMC-SA, INC

DRAFT

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Owner Address: 1001 N TUSTIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 92705
Contact Name: KIRK BRANTLEY
Contact Address: 1001 N TUSTIN AVE
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705

NAICS:
EPA ID: CAL000292871
Create Date: 2005-04-06 14:20:32.033
NAICS Code: 62211
NAICS Description: General Medical and Surgical Hospitals
Issued EPA ID Date: 2005-04-06 14:20:31.98700
Inactive Date: 2006-06-30 10:14:52
Facility Name: WESTERN MEDICAL CENTER SANTA ANA
Facility Address: 1001 N TUSTIN AVE
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported
Facility State: CA
Facility Zip: 92705

Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053502
EPA ID: CAL000316673
Inactive Date: Not reported
Create Date: 02/21/2007
Last Act Date: 09/11/2020
Mailing Name: Not reported
Mailing Address: 1001 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927053502
Owner Name: KPC HEALTH
Owner Address: 1301 N TUSTIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 927058619
Contact Name: KYLE HOURANEY
Contact Address: 1001 NORTH TUSTIN AVE
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705

NAICS:
EPA ID: CAL000316673
Create Date: 2007-02-21 11:33:02.947
NAICS Code: 62211
NAICS Description: General Medical and Surgical Hospitals
Issued EPA ID Date: 2007-02-21 11:33:02.86700
Inactive Date: Not reported
Facility Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Facility Address: 1001 N TUSTIN AVE
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported
Facility State: CA

WESTERN MEDICAL CTR (EIS USE) (Continued) **1000403038**

Facility Zip: 927053502

62
NNW
1/2-1
0.892 mi.
4709 ft.

TUSTIN'S FRENCH QUARTER SHOPPING CENTER
17301 17TH STREET
TUSTIN, CA 92780

ENVIROSTOR
VCP

S110711849
N/A

Relative:
Higher

Actual:
173 ft.

ENVIROSTOR:

Name:	TUSTIN'S FRENCH QUARTER SHOPPING CENTER
Address:	17301 17TH STREET
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	60001388
Status:	No Further Action
Status Date:	10/31/2011
Site Code:	401555
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	5.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	S. Steven Hariri
Supervisor:	Ju-Tseng Liu
Division Branch:	Engineering & Special Projects
Assembly:	68
Senate:	37
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.75987
Longitude:	-117.8287
APN:	395-142-05, 395-142-06, 395-142-07, 395-142-08, 395-142-09
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SV
Alias Name:	395-142-05
Alias Type:	APN
Alias Name:	395-142-06
Alias Type:	APN
Alias Name:	395-142-07
Alias Type:	APN
Alias Name:	395-142-08
Alias Type:	APN
Alias Name:	395-142-09
Alias Type:	APN
Alias Name:	401555
Alias Type:	Project Code (Site Code)
Alias Name:	60001388
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report

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TUSTIN'S FRENCH QUARTER SHOPPING CENTER (Continued) **S110711849**

Completed Date: 12/17/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/16/2011
Comments: NFA letter issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/16/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/10/2010
Comments: Voluntary Cleanup Agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/31/2011
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

VCP:
Name: TUSTIN'S FRENCH QUARTER SHOPPING CENTER
Address: 17301 17TH STREET
City,State,Zip: TUSTIN, CA 92780
Facility ID: 60001388
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: S. Steven Hariri
Supervisor: Ju-Tseng Liu
Division Branch: Engineering & Special Projects
Site Code: 401555
Assembly: 68
Senate: 37
Special Programs Code: Voluntary Cleanup Program

TUSTIN'S FRENCH QUARTER SHOPPING CENTER (Continued) **S110711849**

Status:	No Further Action
Status Date:	10/31/2011
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.75987 / -117.8287
APN:	395-142-05, 395-142-06, 395-142-07, 395-142-08, 395-142-09
Past Use:	DRY CLEANING
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	SV
Alias Name:	395-142-05
Alias Type:	APN
Alias Name:	395-142-06
Alias Type:	APN
Alias Name:	395-142-07
Alias Type:	APN
Alias Name:	395-142-08
Alias Type:	APN
Alias Name:	395-142-09
Alias Type:	APN
Alias Name:	401555
Alias Type:	Project Code (Site Code)
Alias Name:	60001388
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/17/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/16/2011
Comments:	NFA letter issued.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	12/16/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	12/10/2010
Comments:	Voluntary Cleanup Agreement fully executed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/31/2011
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

DRAFT

TUSTIN'S FRENCH QUARTER SHOPPING CENTER (Continued) **S110711849**

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

63
SSE
1/2-1
0.944 mi.
4986 ft.

Relative:
Lower

Actual:
107 ft.

CARIOCA CLEANERS
13844 REDHILL AVE
TUSTIN, CA 92780

RCRA-SQG **1000259201**
ENVIROSTOR **CAD981617962**
FINDS
ECHO
DRYCLEANERS
EMI
HAZNET
HWTS

RCRA-SQG:

Date Form Received by Agency:		1996-09-01 00:00:00.0
Handler Name:	CARIOCA CLEANERS	
Handler Address:		13844 REDHILL AVE
Handler City,State,Zip:		TUSTIN, CA 92780
EPA ID:		CAD981617962
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
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:		CA
State District:		4
Mailing Address:		13844 REDHILL AVE
Mailing City,State,Zip:		TUSTIN, CA 92780
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

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CARIOCA CLEANERS (Continued) **1000259201**

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
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:	2002-06-27 03:26:45.0
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:	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
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CARIOCA CLEANERS (Continued) **1000259201**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JUNG KANG KIM
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

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name: CARIOCA CLEANERS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-12-08 00:00:00.0
Handler Name: CARIOCA CLEANERS	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
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 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

CARIOCA CLEANERS (Continued) **1000259201**

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:	1994-10-13 00:00:00.0
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
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:	CARIOCA CLEANERS
Address:	13844 REDHILL AVENUE
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	30720010
Status:	Refer: 1248 Local Agency
Status Date:	01/02/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported

DRAFT

CARIOCA CLEANERS (Continued) **1000259201**

Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.73461
Longitude: -117.8127
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30720010
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 01/02/2001
Comments: SB 1248 Orange County

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

FINDS:
Registry ID: 110006471898

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000259201
Registry ID: 110006471898
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006471898
Name: CARIOCA CLEANERS
Address: 13844 REDHILL AVE
City,State,Zip: TUSTIN, CA 92780

DRAFT

CARIOCA CLEANERS (Continued) **1000259201**

DRYCLEAN SOUTH COAST:

Name:	CARIOCA CLEANERS
Address:	13844 REDHILL AVE
City,State,Zip:	TUSTIN, CA 92680
Facility ID:	58024
Application Number:	159612
Permit Number:	M59966
Status:	S
Representative Name:	YOUNG J. KIM
Representative Telephone:	714 8381997
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	0
UTM North:	0
Application Date:	07/27/1987
PO Issue Date:	01/15/1988
NAICS Code:	Not reported
SIC Code:	7216

EMI:

Name:	CARIOCA CLEANERS,SONG CHOL YAN
Address:	13844 REDHILL AV
City,State,Zip:	TUSTIN, CA 926800000
Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	66048
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
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:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	CARIOCA CLEANERS
Address:	13844 REDHILL AVE
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 926800000
Contact:	IL D KIM
Telephone:	7148381997
Mailing Name:	Not reported
Mailing Address:	13844 RED HILL AVE
Year:	1996
Gepaid:	CAD981617962
TSD EPA ID:	CAD981397417

DRAFT

CARIOCA CLEANERS (Continued) **1000259201**

CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.4066
Year:	1995
Gepaid:	CAD981617962
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.5901
Year:	1995
Gepaid:	CAD981617962
TSD EPA ID:	CAD981397417
CA Waste Code:	-
Disposal Method:	R01 - Recycler
Tons:	0
Year:	1987
Gepaid:	CAD981617962
TSD EPA ID:	CAD980737548
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	0.14

Additional Info:

Year:	1996
Gen EPA ID:	CAD981617962
Shipment Date:	19960131
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960201
Manifest ID:	95924579
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DRAFT

CARIOCA CLEANERS (Continued) **1000259201**

Shipment Date:	19960131
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960201
Manifest ID:	95924579
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0625
Waste Quantity:	15
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:	19960123
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960124
Manifest ID:	95925063
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960123
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960124
Manifest ID:	95925063
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

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CARIOCA CLEANERS (Continued) **1000259201**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1334
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981617962
Shipment Date:	19950921
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950922
Manifest ID:	95669697
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950921
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950922
Manifest ID:	95669697
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

CARIOCA CLEANERS (Continued) **1000259201**

TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0667
Waste Quantity:	16
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:	19950921
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950922
Manifest ID:	95943284
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950921
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950922
Manifest ID:	95943284
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55

CARIOCA CLEANERS (Continued) **1000259201**

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:	19950403
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950404
Manifest ID:	95185778
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950403
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950404
Manifest ID:	95185778
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0834
Waste Quantity:	20
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

DRAFT

CARIOCA CLEANERS (Continued) **1000259201**

HWTS:

Name:	CARIOCA CLEANERS
Address:	13844 REDHILL AVE
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 926800000
EPA ID:	CAD981617962
Inactive Date:	06/30/1998
Create Date:	04/10/1987
Last Act Date:	09/14/2004
Mailing Name:	Not reported
Mailing Address:	13844 RED HILL AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TUSTIN, CA 927800000
Owner Name:	SONG CHOL YANG
Owner Address:	13844 RED HILL AVE.
Owner Address 2:	Not reported
Owner City,State,Zip:	TUSTIN, CA 927800000
Contact Name:	IL D KIM
Contact Address:	INACTIVE PER VQ98 - BMI
Contact Address 2:	Not reported
City,State,Zip:	TUSTIN, CA 927800000

Count: 11 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANAHEIM	S126983820	LA PALMA DUMP	S OF LA PALMA AND W OF HARBOR	92705	SWF/LF
IRVINE	S126983818	JEFFERY ROAD ROCK PLANT	JEFFREY ROAD AND SANTIAGO CANY	92705	SWF/LF
ORANGE	S126983810	FOSTER SAND & GRAVEL	KATELLA (E) AND SANTA ANA RIVE	92705	SWF/LF
ORANGE	S126983849	CALMET/CONROCK QUARRY	PROSPECT AND SPRING (NW CORNER	92705	SWF/LF
ORANGE	S126983807	ORANGE CITY DUMP #2 SANTA ANA RIVE	N SIDE OF KATELLA BETWEEN MAIN	92705	SWF/LF
SANTA ANA	S105026411	ARCO #0206	302 1ST ST	92701	LUST, HIST CORTESE
SANTA ANA	S108996924		INTERSECTION OF MAIN AND CHEST	92701	CDL
SANTA ANA	S123757560	WILBUR ELLIS CO	7982 IRVINE BLVD	92705	SWF/LF, HAZNET, HWTS
SANTA ANA	S106387336	INTERSTATE ENVIRONMENTAL SERVICES	119 MAIN ST	92701	LUST
SANTA ANA	S126976592	CARICH ENTERPRISES, INC.	1529-B E MCFADDEN AVE	92705	CERS HAZ WASTE
TUSTIN	S108985909	USMCAS TUSTIN-MOFFET TRENCHES	N/A JAMBOREE		CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/05/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 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 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 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 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.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

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

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: 05/27/2021
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 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
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 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
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: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
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 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/17/2021
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 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/20/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/30/2021
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
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 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
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 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/01/2021
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 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
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 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/17/2021
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 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/14/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/04/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
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: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/13/2021
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: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 11/15/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/03/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

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: No Update Planned

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/25/2021
Next Scheduled EDR Contact: 12/13/2021
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.

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
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: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
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: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
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: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/05/2021
Number of Days to Update: 78

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/13/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 74

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
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: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/27/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/12/2021
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

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: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 04/22/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
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: 08/31/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
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: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
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: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/12/2021
Next Scheduled EDR Contact: 10/25/2021
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: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 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: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/02/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 73

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/28/2021
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: 08/31/2021
Next Scheduled EDR Contact: 12/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 77

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 03/01/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
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: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/27/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/01/2021
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: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite 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: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: No Update Planned

SANTA BARBARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/12/2021
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: 06/28/2021
Next Scheduled EDR Contact: 10/04/2021
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: 04/01/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
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: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/26/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
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: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

17802 AND 17842 IRVINE BOULEVARD
17802 AND 17842 IRVINE BOULEVARD
TUSTIN, CA 92780

TARGET PROPERTY COORDINATES

Latitude (North):	33.748081 - 33° 44' 53.09''
Longitude (West):	117.82044 - 117° 49' 13.58''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	424008.5
UTM Y (Meters):	3734333.0
Elevation:	138 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640942 TUSTIN, CA
Version Date:	2012
North Map:	5641308 ORANGE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

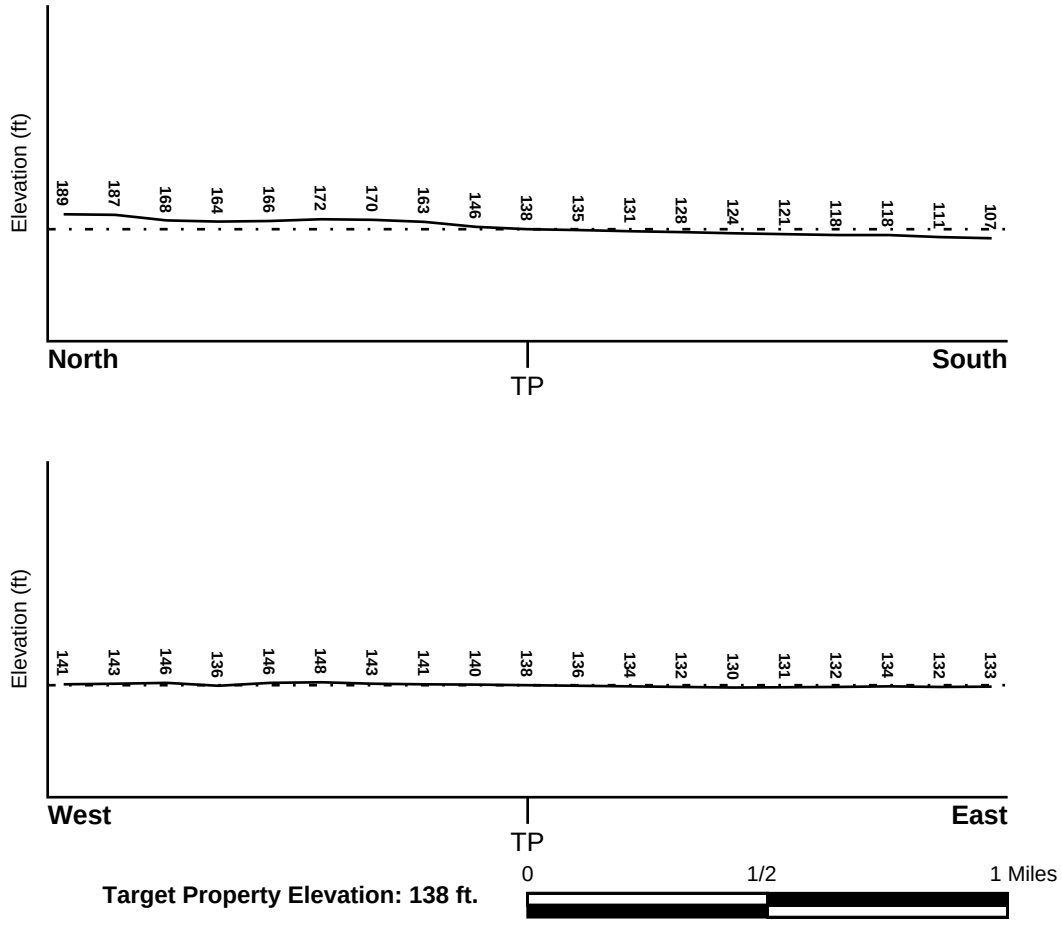
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06059C0277J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06059C0164J	FEMA FIRM Flood data
06059C0168J	FEMA FIRM Flood data
06059C0281J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TUSTIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
E14	1/4 - 1/2 Mile ESE	Not Reported
O71	1/2 - 1 Mile East	SW
116	1/2 - 1 Mile West	NW
R125	1/2 - 1 Mile South	E
Y168	1/2 - 1 Mile SSE	SW
Z212	1/2 - 1 Mile SSW	NW

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
AA227	1/2 - 1 Mile SSE	S
AC242	1/2 - 1 Mile SSE	Not Reported
AC259	1/2 - 1 Mile SSE	NW
AC260	1/2 - 1 Mile SSE	NW
1G	1/2 - 1 Mile East	SW
2G	1/2 - 1 Mile West	NW
4G	1/4 - 1/2 Mile ESE	Not Reported
6G	1/2 - 1 Mile South	E
7G	1/2 - 1 Mile SSE	SW
8G	1/2 - 1 Mile SSE	S
9G	1/2 - 1 Mile SSW	NW
10G	1/2 - 1 Mile SSE	Not Reported
11G	1/2 - 1 Mile SSE	NW
12G	1/2 - 1 Mile SSE	NW

For additional site information, refer to Physical Setting Source Map Findings.

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 *(decoded above as Era, System & Series)*

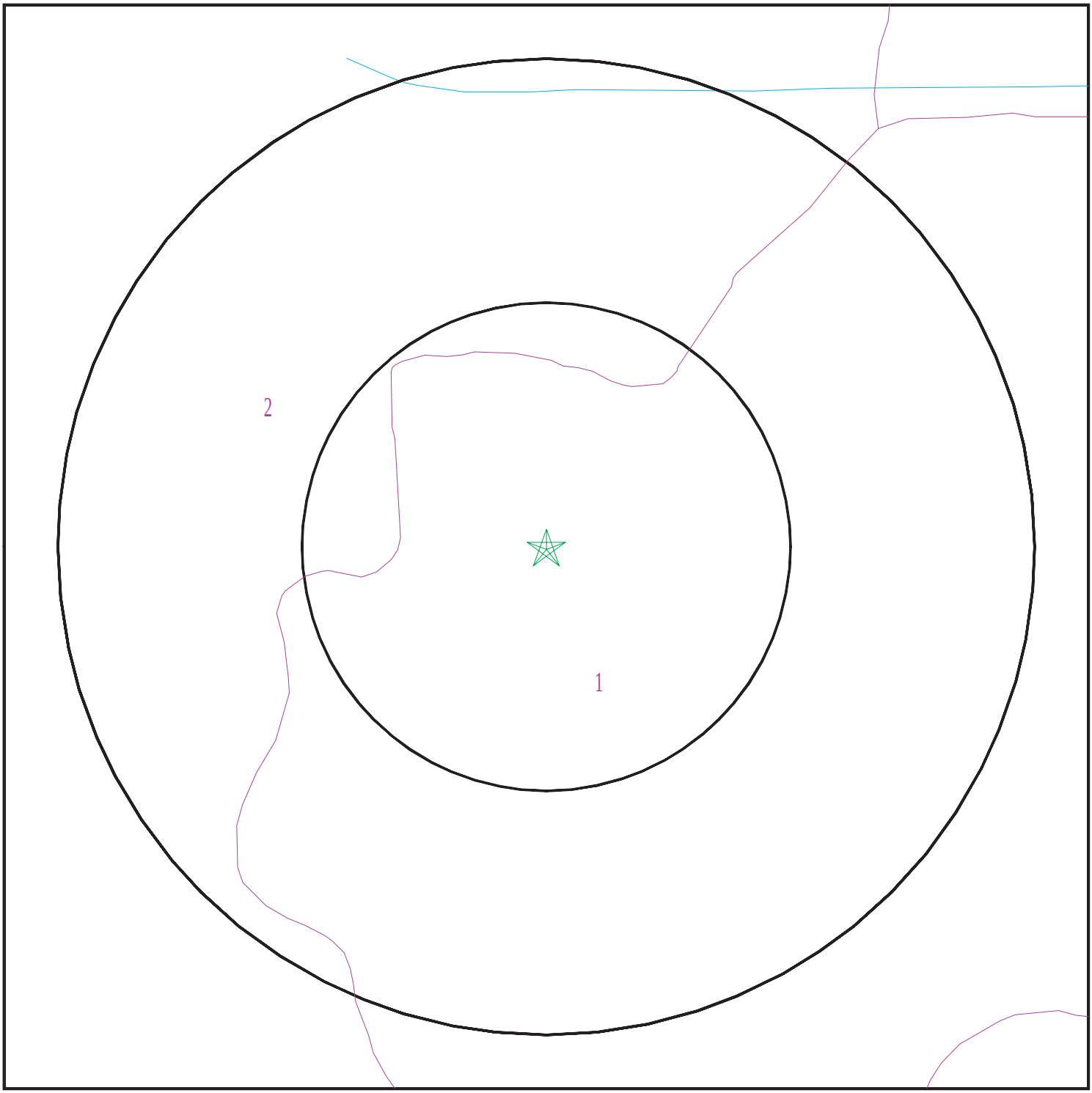
GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 6651002.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	17802 and 17842 Irvine Boulevard	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	17802 and 17842 Irvine Boulevard Tustin CA 92780	CONTACT:	Evelyn Perez
LAT/LONG:	33.748081 / 117.82044	INQUIRY #:	6651002.2s
		DATE:	September 08, 2021 8:39 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: MOCHO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	31 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	31 inches	61 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: SAN EMIGDIO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	7 inches	61 inches	stratified gravelly loamy coarse sand to very fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A10	USGS40000137878	1/8 - 1/4 Mile NNW
H25	USGS40000137739	1/4 - 1/2 Mile South
H26	USGS40000137740	1/4 - 1/2 Mile South
H27	USGS40000137741	1/4 - 1/2 Mile South
H30	USGS40000137742	1/4 - 1/2 Mile SSW
U147	USGS40000137931	1/2 - 1 Mile NNW
T151	USGS40000137854	1/2 - 1 Mile West
AB200	USGS40000137620	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F16	CA3010046	1/4 - 1/2 Mile WSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADDW0000009944	1/8 - 1/4 Mile NNW
B2	6125	1/8 - 1/4 Mile NE
B3	6123	1/8 - 1/4 Mile NE
B4	6129	1/8 - 1/4 Mile NE
B5	6131	1/8 - 1/4 Mile NE
B6	6130	1/8 - 1/4 Mile NE
7	CALLNL000000106	1/8 - 1/4 Mile NNE
A8	CAUSGSN00016070	1/8 - 1/4 Mile NNW
A9	CAUSGS000002625	1/8 - 1/4 Mile NNW
B11	CADDW0000015552	1/4 - 1/2 Mile NE
C12	CADWR0000034628	1/4 - 1/2 Mile NNE
D13	CAEDF0000050095	1/4 - 1/2 Mile East
C15	CADDW0000022878	1/4 - 1/2 Mile NNE
E17	CAEDF0000009175	1/4 - 1/2 Mile ESE
D18	CAEDF0000104083	1/4 - 1/2 Mile East
G19	CAEDF0000076757	1/4 - 1/2 Mile SSE
G20	CAEDF0000016982	1/4 - 1/2 Mile SSE
H21	CADWR0000024564	1/4 - 1/2 Mile South
H22	CADWR9000005268	1/4 - 1/2 Mile South
G23	CAEDF0000126508	1/4 - 1/2 Mile SSE
H24	CADDW0000016277	1/4 - 1/2 Mile South
G28	CAEDF0000122839	1/4 - 1/2 Mile SSE
H29	CAUSGSN00008714	1/4 - 1/2 Mile SSW
H31	CAUSGSN00007202	1/4 - 1/2 Mile South
H32	CAUSGSN00017304	1/4 - 1/2 Mile South
H33	CALLNL000000481	1/4 - 1/2 Mile SSW
G34	CAEDF0000078108	1/4 - 1/2 Mile SSE
G35	CAEDF0000039784	1/4 - 1/2 Mile SSE
H36	CADWR9000005269	1/4 - 1/2 Mile SSW
G37	CAEDF0000070221	1/4 - 1/2 Mile SSE
H38	CADDW0000019477	1/4 - 1/2 Mile South
G39	CAEDF0000050207	1/4 - 1/2 Mile SSE
G40	CAEDF0000065896	1/4 - 1/2 Mile SSE
G41	CAEDF0000098846	1/4 - 1/2 Mile SSE
H42	CADWR0000012728	1/4 - 1/2 Mile SSW
F43	CAEDF0000111990	1/4 - 1/2 Mile WSW
F44	CAEDF0000059559	1/4 - 1/2 Mile WSW
G45	CAEDF0000132346	1/4 - 1/2 Mile SSE
F46	CAEDF0000039335	1/4 - 1/2 Mile WSW
I47	CAEDF0000090856	1/4 - 1/2 Mile East
F48	CAEDF0000012166	1/4 - 1/2 Mile WSW
J49	CAEDF0000138449	1/4 - 1/2 Mile East
K50	CAEDF0000104921	1/4 - 1/2 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I51	CAEDF0000017565	1/4 - 1/2 Mile East
L52	CAEDF0000089337	1/4 - 1/2 Mile SSE
K53	CAEDF0000123959	1/4 - 1/2 Mile WSW
K54	CAEDF0000090595	1/4 - 1/2 Mile WSW
H55	CADDW0000007618	1/4 - 1/2 Mile South
L56	CAEDF0000018936	1/4 - 1/2 Mile SSE
K57	CAEDF0000092910	1/4 - 1/2 Mile WSW
J58	CAEDF0000106677	1/4 - 1/2 Mile ENE
K59	CAEDF0000050497	1/4 - 1/2 Mile WSW
M60	CADWR0000024680	1/4 - 1/2 Mile SW
M61	CADWR0000026641	1/4 - 1/2 Mile SW
I62	CAEDF0000064726	1/4 - 1/2 Mile East
J63	CAEDF0000142998	1/4 - 1/2 Mile East
J64	CAEDF0000008284	1/4 - 1/2 Mile ENE
N65	CAEDF0000125896	1/4 - 1/2 Mile ENE
J66	CAEDF0000044031	1/4 - 1/2 Mile East
I67	CAEDF0000131642	1/2 - 1 Mile East
J68	CAEDF0000051885	1/2 - 1 Mile East
N69	CAEDF0000120801	1/2 - 1 Mile ENE
70	CAEDF0000022050	1/2 - 1 Mile ESE
O72	CAEDF0000074706	1/2 - 1 Mile East
N73	CAEDF0000130908	1/2 - 1 Mile East
O74	CAEDF0000118115	1/2 - 1 Mile East
N75	CAEDF0000021397	1/2 - 1 Mile ENE
O76	CAEDF0000140532	1/2 - 1 Mile East
O77	CAEDF0000051723	1/2 - 1 Mile East
O78	CAEDF0000134664	1/2 - 1 Mile East
O79	CAEDF0000016376	1/2 - 1 Mile East
N80	CAEDF0000045349	1/2 - 1 Mile East
N81	CAEDF0000120596	1/2 - 1 Mile East
O82	CAEDF0000104490	1/2 - 1 Mile East
O83	CAEDF0000104117	1/2 - 1 Mile East
N84	CAEDF0000088540	1/2 - 1 Mile ENE
O85	CAEDF0000129757	1/2 - 1 Mile East
O86	CAEDF0000018629	1/2 - 1 Mile East
O87	CAEDF0000038342	1/2 - 1 Mile East
O88	CAEDF0000137915	1/2 - 1 Mile East
O89	CAEDF0000018221	1/2 - 1 Mile East
O90	CAEDF0000018187	1/2 - 1 Mile East
P91	CAEDF0000106466	1/2 - 1 Mile East
Q92	CAEDF0000080106	1/2 - 1 Mile ENE
P93	CAEDF0000139086	1/2 - 1 Mile East
O94	CAEDF0000122041	1/2 - 1 Mile East
O95	CAEDF0000105126	1/2 - 1 Mile East
O96	CAEDF0000107592	1/2 - 1 Mile East
O97	CAEDF0000097848	1/2 - 1 Mile East
O98	CAEDF0000022137	1/2 - 1 Mile East
O99	CAEDF0000094759	1/2 - 1 Mile East
P100	CAEDF0000000942	1/2 - 1 Mile East
Q101	CAEDF0000127073	1/2 - 1 Mile East
Q102	CAEDF0000033470	1/2 - 1 Mile ENE
P103	CAEDF0000101517	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q104	CAEDF0000079948	1/2 - 1 Mile ENE
Q105	CAEDF0000033522	1/2 - 1 Mile ENE
Q106	CAEDF0000051397	1/2 - 1 Mile East
Q107	CAEDF0000136114	1/2 - 1 Mile East
109	CAEDF0000014395	1/2 - 1 Mile East
Q110	CAEDF0000136599	1/2 - 1 Mile ENE
R111	CAEDF0000036615	1/2 - 1 Mile South
R112	CAEDF0000050633	1/2 - 1 Mile South
R113	CAEDF0000068289	1/2 - 1 Mile South
R114	CAEDF0000012644	1/2 - 1 Mile South
115	CAEDF0000101036	1/2 - 1 Mile East
R117	CAEDF0000012066	1/2 - 1 Mile South
R118	CAEDF0000011999	1/2 - 1 Mile South
R119	CAEDF0000047983	1/2 - 1 Mile South
R120	CAEDF0000085105	1/2 - 1 Mile South
R121	CAEDF0000012552	1/2 - 1 Mile South
R122	CAEDF0000110996	1/2 - 1 Mile South
123	CAEDF0000129536	1/2 - 1 Mile ENE
R124	CAEDF0000135963	1/2 - 1 Mile South
R126	CAEDF0000024410	1/2 - 1 Mile South
S127	CAEDF0000127371	1/2 - 1 Mile South
S128	CAEDF0000112224	1/2 - 1 Mile South
S129	CAEDF0000097001	1/2 - 1 Mile South
S130	CAEDF0000141721	1/2 - 1 Mile South
S131	CAEDF0000023635	1/2 - 1 Mile South
S132	CAEDF0000101901	1/2 - 1 Mile South
S133	CAEDF0000003120	1/2 - 1 Mile South
S134	CAEDF0000083149	1/2 - 1 Mile South
S135	CAEDF0000103372	1/2 - 1 Mile South
T136	CADWR0000017808	1/2 - 1 Mile West
S137	CAEDF0000101520	1/2 - 1 Mile South
U138	CADDW0000002450	1/2 - 1 Mile NNW
V139	CAEDF0000043961	1/2 - 1 Mile West
V140	CAEDF0000139971	1/2 - 1 Mile West
V141	CAEDF0000071698	1/2 - 1 Mile West
V142	CAEDF0000057418	1/2 - 1 Mile West
U143	CALLNL000000349	1/2 - 1 Mile NNW
U144	CAUSGSN00019432	1/2 - 1 Mile NNW
V145	CAEDF0000125183	1/2 - 1 Mile West
V146	CAEDF0000131609	1/2 - 1 Mile West
T148	CAUSGSN00001815	1/2 - 1 Mile West
V149	CAEDF0000115044	1/2 - 1 Mile West
W150	CADDW0000000828	1/2 - 1 Mile WSW
152	CADDW0000006155	1/2 - 1 Mile ENE
V153	CAEDF0000140287	1/2 - 1 Mile West
W154	CADWR9000005277	1/2 - 1 Mile WSW
V155	CAEDF0000016566	1/2 - 1 Mile West
V156	CAEDF0000034137	1/2 - 1 Mile West
W157	CADWR0000029518	1/2 - 1 Mile WSW
V159	CAEDF0000108271	1/2 - 1 Mile West
V160	CAEDF0000034265	1/2 - 1 Mile West
X161	CAEDF0000086506	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
X162	CAEDF0000013675	1/2 - 1 Mile NNW
X163	CAEDF0000080068	1/2 - 1 Mile NNW
X164	CAEDF0000021040	1/2 - 1 Mile NNW
X165	CAEDF0000059727	1/2 - 1 Mile NNW
X166	CAEDF0000008841	1/2 - 1 Mile NNW
X167	CAEDF0000014167	1/2 - 1 Mile NNW
X169	CAEDF0000093299	1/2 - 1 Mile NNW
X170	CAEDF0000097888	1/2 - 1 Mile NNW
X171	CAEDF0000058640	1/2 - 1 Mile NNW
X172	CAEDF0000013580	1/2 - 1 Mile NNW
X173	CAEDF0000125188	1/2 - 1 Mile NNW
X174	CAEDF0000061947	1/2 - 1 Mile NNW
X175	CAEDF0000012506	1/2 - 1 Mile NNW
Z176	CAEDF0000070040	1/2 - 1 Mile SSW
X177	CAEDF0000011144	1/2 - 1 Mile NNW
X178	CAEDF0000072190	1/2 - 1 Mile NNW
Z179	CAEDF0000065392	1/2 - 1 Mile SSW
X180	CAEDF0000016684	1/2 - 1 Mile NNW
X181	CAEDF0000103160	1/2 - 1 Mile NNW
Z182	CAEDF0000016909	1/2 - 1 Mile SSW
X183	CAEDF0000047342	1/2 - 1 Mile NNW
AA184	CAEDF0000093692	1/2 - 1 Mile SSE
Z185	CAEDF0000078564	1/2 - 1 Mile SSW
X186	CAEDF0000137772	1/2 - 1 Mile NNW
Z187	CAEDF0000015511	1/2 - 1 Mile SSW
Z188	CAEDF0000016334	1/2 - 1 Mile SSW
X189	CAEDF0000125522	1/2 - 1 Mile NNW
Z190	CAEDF0000139133	1/2 - 1 Mile SSW
Z191	CAEDF0000093922	1/2 - 1 Mile SSW
Z192	CAEDF0000015987	1/2 - 1 Mile SSW
Z193	CAEDF0000080559	1/2 - 1 Mile SSW
Z194	CAEDF0000121867	1/2 - 1 Mile SSW
Z195	CAEDF0000070671	1/2 - 1 Mile SSW
Y196	CAEDF0000010972	1/2 - 1 Mile SSE
Y197	CAEDF0000064798	1/2 - 1 Mile SSE
Z198	CAEDF0000097714	1/2 - 1 Mile SSW
Z199	CAEDF0000138181	1/2 - 1 Mile SSW
Y201	CAEDF0000140495	1/2 - 1 Mile SSE
AB202	CAUSGSN00004061	1/2 - 1 Mile South
Z203	CAEDF0000065543	1/2 - 1 Mile SSW
Z204	CAEDF0000084236	1/2 - 1 Mile SSW
Z205	CAEDF0000101427	1/2 - 1 Mile SSW
Z206	CAEDF0000020124	1/2 - 1 Mile SSW
Z207	CAEDF0000086412	1/2 - 1 Mile SSW
Z208	CAEDF0000031818	1/2 - 1 Mile SSW
Z209	CAEDF0000121391	1/2 - 1 Mile SSW
Z210	CAEDF0000006566	1/2 - 1 Mile SSW
AB211	CADWR0000035372	1/2 - 1 Mile South
Y213	CAEDF0000110826	1/2 - 1 Mile SSE
Y214	CAEDF0000136934	1/2 - 1 Mile SSE
Z215	CAEDF0000087036	1/2 - 1 Mile SSW
Z216	CAEDF0000096257	1/2 - 1 Mile SSW

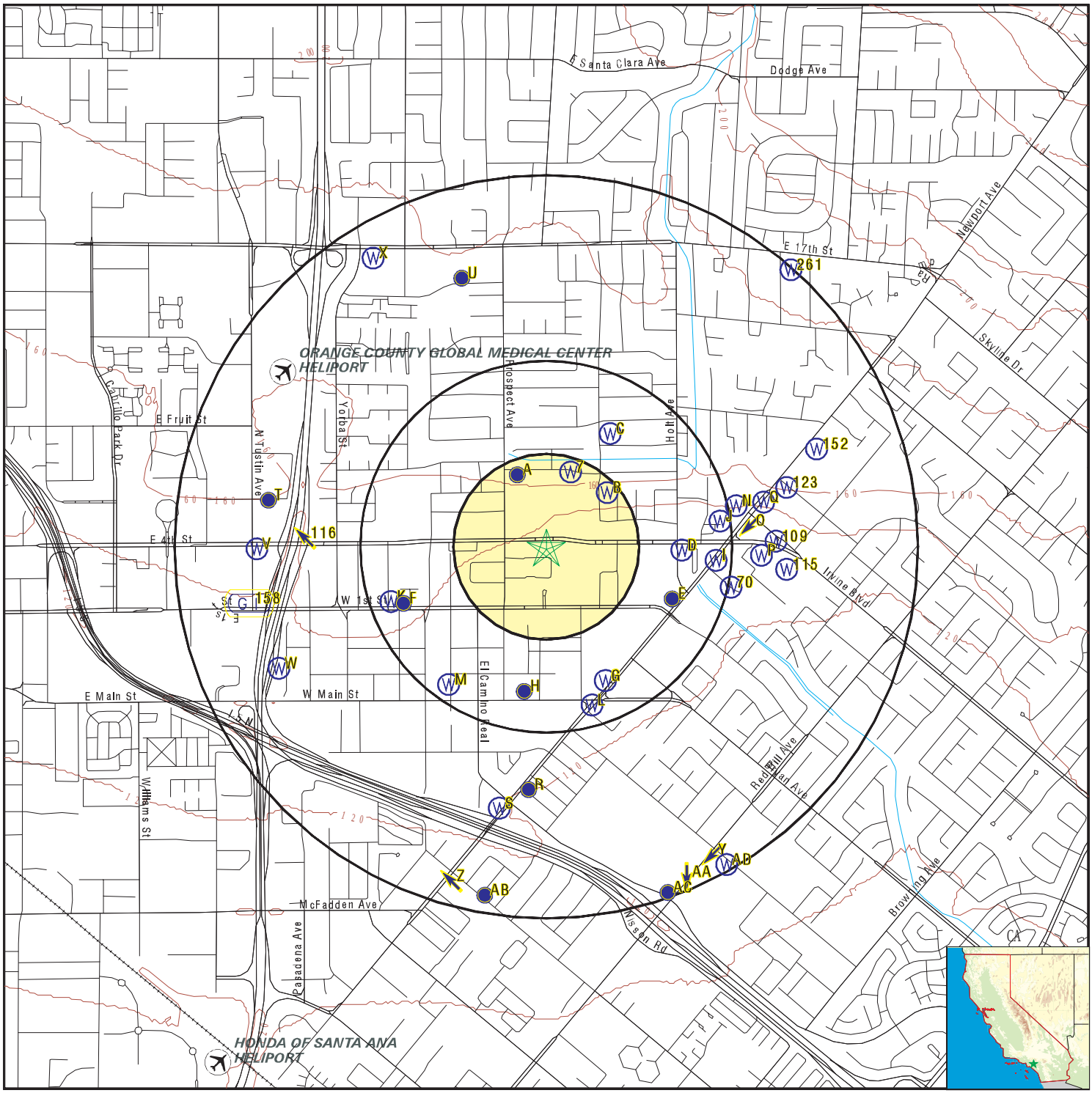
GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z217	CAEDF0000036897	1/2 - 1 Mile SSW
AB218	CADWR9000005240	1/2 - 1 Mile South
AA219	CAEDF0000114355	1/2 - 1 Mile SSE
AB220	CADDW0000018310	1/2 - 1 Mile South
AA221	CAEDF0000020815	1/2 - 1 Mile SSE
Z222	CAEDF0000019972	1/2 - 1 Mile SSW
Z223	CAEDF0000075931	1/2 - 1 Mile SSW
AB224	CADWR9000005241	1/2 - 1 Mile SSW
AC225	CAEDF0000073172	1/2 - 1 Mile SSE
AA226	CAEDF0000032562	1/2 - 1 Mile SSE
AA228	CAEDF0000091587	1/2 - 1 Mile SSE
AA229	CAEDF0000093354	1/2 - 1 Mile SSE
Y230	CAEDF0000072502	1/2 - 1 Mile SSE
Y231	CAEDF0000116096	1/2 - 1 Mile SSE
AA232	CAEDF0000000594	1/2 - 1 Mile SSE
AB233	6135	1/2 - 1 Mile South
AA234	CAEDF0000124768	1/2 - 1 Mile SSE
AA235	CAEDF0000111451	1/2 - 1 Mile SSE
AA236	CAEDF0000060380	1/2 - 1 Mile SSE
AA237	CAEDF0000140569	1/2 - 1 Mile SSE
AC238	CAEDF0000000049	1/2 - 1 Mile SSE
AC239	CAEDF0000142942	1/2 - 1 Mile SSE
AC240	CAEDF0000014601	1/2 - 1 Mile SSE
AC241	CAEDF0000102650	1/2 - 1 Mile SSE
AC243	CAEDF0000016618	1/2 - 1 Mile SSE
AC244	CAEDF0000081000	1/2 - 1 Mile SSE
AA245	CAEDF0000135106	1/2 - 1 Mile SSE
AD246	CAEDF0000084195	1/2 - 1 Mile SSE
AD247	CAEDF0000134814	1/2 - 1 Mile SSE
AC248	CAEDF0000000185	1/2 - 1 Mile SSE
AA249	CAEDF0000091127	1/2 - 1 Mile SSE
AD250	CAEDF0000097637	1/2 - 1 Mile SSE
AC251	CAEDF0000108953	1/2 - 1 Mile SSE
AC252	CAEDF0000093731	1/2 - 1 Mile SSE
AC253	CAEDF0000086439	1/2 - 1 Mile SSE
AC254	CAEDF0000054138	1/2 - 1 Mile SSE
AC255	CAEDF0000070062	1/2 - 1 Mile SSE
AC256	CAEDF0000039608	1/2 - 1 Mile SSE
AC257	CAEDF0000093742	1/2 - 1 Mile SSE
AC258	CAEDF0000043274	1/2 - 1 Mile SSE
261	CADWR0000003170	1/2 - 1 Mile NE
AC262	CAEDF0000121196	1/2 - 1 Mile SSE
AC263	CAEDF0000119633	1/2 - 1 Mile SSE
AC264	CAEDF0000143016	1/2 - 1 Mile SSE

DRAFT

PHYSICAL SETTING SOURCE MAP - 6651002.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	17802 and 17842 Irvine Boulevard	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	17802 and 17842 Irvine Boulevard Tustin CA 92780	CONTACT:	Evelyn Perez
LAT/LONG:	33.748081 / 117.82044	INQUIRY #:	6651002.2s
		DATE:	September 08, 2021 8:39 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1	**CA WELLS**	**CADDW0000009944**
NNW		
1/8 - 1/4 Mile		
Higher		

Well ID:	3010046-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	COLUMBUS TUSTIN	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-003&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
B2	**CA WELLS**	**6125**
NE		
1/8 - 1/4 Mile		
Lower		

Seq:	6125	Prim sta c:	05S/09W-09K01 S
Frds no:	3010046003	County:	30
District:	08	User id:	TEE
System no:	3010046	Water type:	G
Source nam:	COLUMBUS TUSTIN	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	334500.0	Longitude:	1174900.0
Precision:	5	Status:	AU
Comment 1:	SE CORNER OF PROSPECT AVE. AND BENETA WAY		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	3010046	System nam:	City Of Tustin
Hqname:	Not Reported	Address:	P.O. BOX 466
City:	TUSTIN	State:	CA
Zip:	92680	Zip ext:	Not Reported
Pop serv:	52100	Connection:	13628
Area serve:	TUSTIN		
Sample date:	22-FEB-18	Finding:	5.21
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-FEB-18	Finding:	5.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-FEB-17	Finding:	4.99
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-FEB-17	Finding:	4.98
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	729.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr:	0.		
Sample date:	02-JUN-16	Finding:	142.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	142.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	4.31
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	175.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	54.5
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	9.4
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	76.8
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	71.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	92.3
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-JUN-16	Finding:	4.6
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	02-JUN-16	Finding:	452.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	0.16
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	4.14
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	4.23
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	02-JUN-16	Finding:	4.23
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-MAR-16	Finding:	4.58
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-MAR-16	Finding:	4.75
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-MAR-16	Finding:	4.75
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-MAR-16	Finding:	4.59
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-16	Finding:	5.59
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-16	Finding:	486.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	0.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	24-FEB-16	Finding:	0.19
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	840.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	155.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	189.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	5.59
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-16	Finding:	276.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	83.6
Chemical:	CALCIUM	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr:	0.		
Sample date:	24-FEB-16	Finding:	16.4
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	66.2
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	89.9
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	112.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	24-FEB-16	Finding:	0.16
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	13-NOV-14	Finding:	3510.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-AUG-14	Finding:	1.13
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	13-AUG-14	Finding:	0.363
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	13-AUG-14	Finding:	0.151
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	8.7e-002
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	13-AUG-14	Finding:	3400.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-AUG-14	Finding:	3.79
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	13-AUG-14	Finding:	1.68
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.542
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-AUG-14	Finding:	0.727
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.3
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-MAY-14	Finding:	3590.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-FEB-14	Finding:	4070.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-OCT-13	Finding:	3960.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-AUG-13	Finding:	4030.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-MAY-13	Finding:	3670.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-FEB-13	Finding:	76.1
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	76.1
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	95.7
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	25-FEB-13	Finding:	0.18
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	25-FEB-13	Finding:	5.2
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	25-FEB-13	Finding:	468.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr:	0.		
Sample date:	25-FEB-13	Finding:	21.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-FEB-13	Finding:	0.17
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	4890.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-FEB-13	Finding:	9.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	57.1
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	183.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	175.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	143.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	757.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-NOV-12	Finding:	4130.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-AUG-12	Finding:	20.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-AUG-12	Finding:	4570.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-JUN-12	Finding:	21.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-JUN-12	Finding:	4840.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	22-FEB-12	Finding:	4460.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

B3
NE
1/8 - 1/4 Mile
Lower

CA WELLS 6123

Seq:	6123	Prim sta c:	05S/09W-09H01 S
Frds no:	3010046005	County:	30
District:	08	User id:	TEE
System no:	3010046	Water type:	G
Source nam:	LIVINGSTON - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334500.0	Longitude:	1174900.0
Precision:	8	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010046	System nam:	City Of Tustin
Hqname:	Not Reported	Address:	P.O. BOX 466
City:	TUSTIN	State:	CA
Zip:	92680	Zip ext:	Not Reported
Pop serv:	52100	Connection:	13628
Area serve:	TUSTIN		

B4
NE
1/8 - 1/4 Mile
Lower

CA WELLS 6129

Seq:	6129	Prim sta c:	05S/09W-16B02 S
Frds no:	3010046006	County:	30
District:	08	User id:	TEE
System no:	3010046	Water type:	G
Source nam:	MAIN STREET WELL 01 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334500.0	Longitude:	1174900.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010046	System nam:	City Of Tustin
Hqname:	Not Reported	Address:	P.O. BOX 466
City:	TUSTIN	State:	CA
Zip:	92680	Zip ext:	Not Reported
Pop serv:	52100	Connection:	13628
Area serve:	TUSTIN		

B5
NE
1/8 - 1/4 Mile
Lower

CA WELLS 6131

Seq:	6131	Prim sta c:	05S/09W-16C01 S
Frds no:	3010046008	County:	30

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District:	08	User id:	TEE
System no:	3010046	Water type:	G
Source nam:	MAIN STREET WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334500.0	Longitude:	1174900.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010046	System nam:	City Of Tustin
Hqname:	Not Reported	Address:	P.O. BOX 466
City:	TUSTIN	State:	CA
Zip:	92680	Zip ext:	Not Reported
Pop serv:	52100	Connection:	13628
Area serve:	TUSTIN		

Sample date:	21-MAR-18	Finding:	16.4
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	21-MAR-18	Finding:	16.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	21-DEC-17	Finding:	6.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	06-DEC-17	Finding:	17.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	06-DEC-17	Finding:	5.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	29-NOV-17	Finding:	5.7
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	29-NOV-17	Finding:	16.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	29-NOV-17	Finding:	16.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	01-NOV-17	Finding:	16.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	01-NOV-17	Finding:	5.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	04-OCT-17	Finding:	5.8
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	04-OCT-17	Finding:	16.1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-SEP-17	Finding:	5.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	07-SEP-17	Finding:	16.6
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-SEP-17	Finding:	884.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	07-SEP-17	Finding:	16.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-SEP-17	Finding:	5.6
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	06-SEP-17	Finding:	16.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-AUG-17	Finding:	5.4
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	02-AUG-17	Finding:	16.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-JUL-17	Finding:	5.3
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	05-JUL-17	Finding:	16.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-JUN-17	Finding:	5.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	07-JUN-17	Finding:	16.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-MAY-17	Finding:	15.3
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-MAY-17	Finding:	5.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	11-MAY-17	Finding:	15.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	11-MAY-17	Finding:	668.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-17	Finding:	5.4
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	03-MAY-17	Finding:	15.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-APR-17	Finding:	5.26
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	05-APR-17	Finding:	16.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-MAR-17	Finding:	5.04
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	31-MAR-17	Finding:	15.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-FEB-17	Finding:	5.08
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	03-FEB-17	Finding:	15.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-JAN-17	Finding:	1470.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	7.4
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	272.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	272.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	15.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-JAN-17	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	31-JAN-17	Finding:	627.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr:	0.		
Sample date:	31-JAN-17	Finding:	166.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	51.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	69.7
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	157.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	207.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	31-JAN-17	Finding:	0.16
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	31-JAN-17	Finding:	150.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	31-JAN-17	Finding:	958.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	0.3
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	31-JAN-17	Finding:	0.45
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-17	Finding:	15.2
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-JAN-17	Finding:	5.3
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	04-JAN-17	Finding:	4.16
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	04-JAN-17	Finding:	15.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-DEC-16	Finding:	15.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-DEC-16	Finding:	4.52
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	07-NOV-16	Finding:	14.2
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-NOV-16	Finding:	5.2
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	07-NOV-16	Finding:	948.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	07-NOV-16	Finding:	14.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-NOV-16	Finding:	15.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-NOV-16	Finding:	4.72
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	05-OCT-16	Finding:	16.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-OCT-16	Finding:	4.12
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	07-SEP-16	Finding:	14.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-AUG-16	Finding:	884.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	17-AUG-16	Finding:	14.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-AUG-16	Finding:	6.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	17-AUG-16	Finding:	14.4
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-AUG-16	Finding:	14.7
Chemical:	NITRATE (AS N)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr:	0.4		
Sample date:	06-JUL-16	Finding:	4.11
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	06-JUL-16	Finding:	14.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	922.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-16	Finding:	14.1
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	5.7
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	02-JUN-16	Finding:	14.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-MAR-16	Finding:	5.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	08-MAR-16	Finding:	5.3
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	24-FEB-16	Finding:	14.8
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-16	Finding:	5.7
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	24-FEB-16	Finding:	14.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-FEB-16	Finding:	890.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	10-NOV-15	Finding:	14.8
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-NOV-15	Finding:	65.73
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	10-NOV-15	Finding:	966.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	10-AUG-15	Finding:	14.7
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-AUG-15	Finding:	65.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	10-AUG-15	Finding:	870.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	914.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAY-15	Finding:	62.29
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-MAY-15	Finding:	14100.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-MAR-15	Finding:	908.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	5.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	11-MAR-15	Finding:	13400.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-MAR-15	Finding:	59.43
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-NOV-14	Finding:	13700.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-NOV-14	Finding:	60.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-NOV-14	Finding:	884.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-NOV-14	Finding:	4.9
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	13-AUG-14	Finding:	4.1
Chemical:	PERCHLORATE	Report units:	UG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr:	4.		
Sample date:	13-AUG-14	Finding:	12800.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-AUG-14	Finding:	56.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-AUG-14	Finding:	888.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	162.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	201.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	25-FEB-14	Finding:	0.16
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	25-FEB-14	Finding:	130.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	25-FEB-14	Finding:	912.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	63.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-FEB-14	Finding:	0.38
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	14400.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-FEB-14	Finding:	5.1
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	25-FEB-14	Finding:	1.28
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	0.428
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	25-FEB-14	Finding:	0.803
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	0.3
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	6.6e-002
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	25-FEB-14	Finding:	0.159
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	0.418
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	25-FEB-14	Finding:	62.4
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	49.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	154.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	587.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	25-FEB-14	Finding:	315.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	258.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	1360.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	25-FEB-14	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dlr: 0.

B6
NE
1/8 - 1/4 Mile
Lower

CA WELLS **6130**

Seq:	6130	Prim sta c:	05S/09W-16B05 S
Frds no:	3010046007	County:	30
District:	08	User id:	TEE
System no:	3010046	Water type:	G
Source nam:	MAIN STREET WELL 02	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334500.0	Longitude:	1174900.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010046	System nam:	City Of Tustin
Hqname:	Not Reported	Address:	P.O. BOX 466
City:	TUSTIN	State:	CA
Zip:	92680	Zip ext:	Not Reported
Pop serv:	52100	Connection:	13628
Area serve:	TUSTIN		

7
NNE
1/8 - 1/4 Mile
Higher

CA WELLS **CALLNL000000106**

Well ID:	100725	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/09W-09K01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000698141
Units:	cm3STP/g	Date:	05/17/2001
Chemical:	Helium-3/Helium-4	Results:	.00000181167
Units:	atom ratio	Date:	05/17/2001
Chemical:	Xenon	Results:	.0000000149127
Units:	cm3STP/g	Date:	05/17/2001
Chemical:	Neon	Results:	.00000125841
Units:	cm3STP/g	Date:	05/17/2001
Chemical:	Tritium (Hydrogen 3)	Results:	3.12
Units:	pCi/L	Date:	10/09/2001
Chemical:	Helium-4	Results:	.000000530325
Units:	cm3STP/g	Date:	05/17/2001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	Krypton	Results:	.000000137684
Units:	cm3STP/g	Date:	05/17/2001

A8
NNW **CA WELLS** **CAUSGSN00016070**
1/8 - 1/4 Mile
Higher

Well ID:	USGS-334504117491901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334504117491901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334504117491901&store_num=		
GeoTracker Data:	Not Reported		

A9
NNW **CA WELLS** **CAUSGS000002625**
1/8 - 1/4 Mile
Higher

Well ID:	CLABOC-10	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Name:	CLABOC-10	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGS&samp_date=&global_id=&assigned_name=CLABOC-10&store_num=		
GeoTracker Data:	Not Reported		

A10
NNW **FED USGS** **USGS40000137878**
1/8 - 1/4 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W09K001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Alluvium	Aquifer Type:	Unconfined single aquifer
Construction Date:	19840701	Well Depth:	1180
Well Depth Units:	ft	Well Hole Depth:	1470
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	2004-03-08
Feet below surface:	169.5	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1998-11-05	Feet below surface:	205
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
B11 **NE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADDW0000015552**

Well ID:	3010046-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	BENETA WELL - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-002&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
C12 **NNE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADWR0000034628**

Well ID:	05S09W09H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W09H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W09H001S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
D13 **East** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000050095**

Well ID:	T0605901423-MW-44	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-44
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-44&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-44		

			Database	EDR ID Number
E14 **ESE** **1/4 - 1/2 Mile** **Lower**	Site ID:	083001807T	**AQUIFLOW**	**68198**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	54.21		
	Deep Water Depth:	54.4		
	Average Water Depth:	Not Reported		
	Date:	06/30/1999		

	Database	EDR ID Number
C15 **NNE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADDW0000022878**

Well ID:	3010046-005	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	LIVINGSTON - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-005&store_num=		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: Not Reported

F16
WSW
1/4 - 1/2 Mile
Higher

FRDS PWS **CA3010046**

Epa region:	09	State:	CA
Pwsid:	CA3010046	Pwsname:	CITY OF TUSTIN
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06059
Status:	Active	Retpopsrvd:	62100
Pwssvcconn:	14071	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	VALENZUELA, ART	Contactorgname:	VALENZUELA, ART
Contactphone:	714-573-3382	Contactaddress1:	PO BOX 466
Contactaddress2:	Not Reported	Contactcity:	TUSTIN
Contactstate:	CA	Contactzip:	92781
Pwsactivitycode:	A		

Pwsid:	CA3010046	Facid:	18
Facname:	17TH ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	reverse osmosis
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	18
Facname:	17TH ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	18
Facname:	17TH ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	ion exchange
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	reverse osmosis
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	inorganics removal	Trtprocess:	rapid mix
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Factypecode: TP

Pwsid: CA3010046 Facid: 2700
Facname: YORBA - CHLORINATION XCLD
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: hypochlorination, post
Factypecode: TP

Pwsid: CA3010046 Facid: 2704
Facname: 17TH ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: disinfection
Trtprocess: gaseous chlorination, post
Factypecode: TP

Pwsid: CA3010046 Facid: 2704
Facname: 17TH ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: inorganics removal
Trtprocess: rapid mix Factypecode: TP

Pwsid: CA3010046 Facid: 2704
Facname: 17TH ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: inorganics removal
Trtprocess: reverse osmosis Factypecode: TP

Pwsid: CA3010046 Facid: 2707
Facname: VANDENBERG WELL - CHLORINATION XCLD
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: gaseous chlorination, post
Factypecode: TP

Pwsid: CA3010046 Facid: 2708
Facname: MAIN ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: disinfection
Trtprocess: gaseous chlorination, post
Factypecode: TP

Pwsid: CA3010046 Facid: 2708
Facname: MAIN ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: inorganics removal
Trtprocess: rapid mix Factypecode: TP

Pwsid: CA3010046 Facid: 2708
Facname: MAIN ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: inorganics removal
Trtprocess: reverse osmosis Factypecode: TP

Pwsid: CA3010046 Facid: 2708
Facname: MAIN ST DESALTER Factype: Treatment_plant
Facactivitycode: A Trtobjective: inorganics removal
Trtprocess: ion exchange Factypecode: TP

Pwsid: CA3010046 Facid: 2712
Facname: WALNUT WELL 77 - CHLORINATION XCLD
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: hypochlorination, post
Factypecode: TP

Pwsid: CA3010046 Facid: 2713
Facname: PASADENA WELL - CHLORINATION - XCLD
Factype: Treatment_plant Facactivitycode: A
Trtobjective: disinfection Trtprocess: hypochlorination, post
Factypecode: TP

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	CA3010046	Facid:	2720
Facname:	BENETA NITRATE BLENDING	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA3010046	Facid:	CA3010046018
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	reverse osmosis	Factypecode:	TP

Pwsid:	CA3010046	Facid:	CA3010046018
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA3010046	Facid:	CA3010046018
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	ion exchange	Factypecode:	TP

Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	reverse osmosis	Factypecode:	TP

Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	CA3010046	Facid:	CA3010046031
Facname:	WALNUT WELL 77 - CHLORINATION	XCLD	
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

PWS ID:	CA3010046	PWS name:	CITY OF TUSTIN
Address:	Not Reported	Care of:	Not Reported
City:	TUSTIN	State:	CA
Zip:	92680	Owner:	CITY OF TUSTIN
Source code:	Ground water	Population:	52100

PWS ID:	CA3010046	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	City of Tustin
PWS type code:	C	Retail population served:	62100
Contact:	Frederick J. Adjarian	Contact address:	PO Box 466
Contact address:	Tustin	Contact city:	CA
Contact state:	92	Contact zip:	7145733381

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact telephone:	Not Reported		
County:	ORANGE	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	52100		
County:	ORANGE	Source:	Ground water
Treatment Objective:	INORGANICS REMOVAL	Process:	RAPID MIX
Population:	52100		
County:	ORANGE	Source:	Ground water
Treatment Objective:	INORGANICS REMOVAL	Process:	REVERSE OSMOSIS
Population:	52100		
PWS ID:	CA3010046	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00052100	System name:	CITY OF TUSTIN
System address:	Not Reported	System address:	P.O. BOX 466
System city:	TUSTIN	System state:	CA
System zip:	92680		
County FIPS:	Not Reported	City served:	TUSTIN
County FIPS:	059	City served:	TUSTIN
Population served:	50,001 - 75,000 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	334444	Longitude:	1174931
Violation id:	708006	Orig code:	S
State:	CA	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	26	Violation name:	Monitoring, Repeat Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/01/2006
Cmp edt:	11/30/2006		
Violation ID:	708006	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	12/15/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	708006	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	12/15/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	Not Reported	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Not Reported
PWS name:	City of Tustin	Population served:	62100
PWS type code:	C	Violation ID:	0708006
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Minor (TCR)
Compliance start date:	11/1/2006 0:00:00	Compliance end date:	11/30/2006 0:00:00
Enforcement date:	12/15/2006 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	City of Tustin	Population served:	62100
PWS type code:	C	Violation ID:	0708006
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Minor (TCR)
Compliance start date:	11/1/2006 0:00:00	Compliance end date:	11/30/2006 0:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement date:	12/15/2006 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

E17
ESE **CA WELLS** **CAEDF0000009175**
1/4 - 1/2 Mile
Lower

Well ID:	T0605901423-MW-42	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-42
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-42&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-42		

D18
East **CA WELLS** **CAEDF0000104083**
1/4 - 1/2 Mile
Lower

Well ID:	T0605901423-MW-31	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-31		

G19
SSE **CA WELLS** **CAEDF0000076757**
1/4 - 1/2 Mile
Lower

Well ID:	T0605984477-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-1		

G20
SSE **CA WELLS** **CAEDF0000016982**
1/4 - 1/2 Mile
Lower

Well ID:	T0605984477-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H21
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000024564**

Well ID:	05S09W16B005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16B005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16B005S&store_num=		
GeoTracker Data:	Not Reported		

H22
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000005268**

State Well #:	05S09W16B005S	Station ID:	27584
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

G23
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000126508**

Well ID:	T0605984477-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-3		

H24
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000016277**

Well ID:	3010046-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	MAIN STREET WELL 03	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-008&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H25
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000137739**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16B002S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19260000	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	400
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	5	Level reading date:	1986-08-22
Feet below surface:	95.59	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1986-05-07	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-05	Feet below surface:	90.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-13	Feet below surface:	93.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-28	Feet below surface:	161.00
Feet to sea level:	Not Reported	Note:	Not Reported

H26
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000137740**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16B003S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H27
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000137741**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16B004S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

G28
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000122839**

Well ID:	T0605984477-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-4		

H29
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00008714**

Well ID:	USGS-334433117491901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334433117491901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334433117491901&store_num=		
GeoTracker Data:	Not Reported		

H30
SSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000137742**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16C001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19720707	Well Depth:	630
Well Depth Units:	ft	Well Hole Depth:	630
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1972-08-10
Feet below surface:	141	Feet to sea level:	Not Reported
Note:	Other conditions existed that would affect the measured water level.		

H31
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00007202**

Well ID:	USGS-334433117491404	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334433117491404	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334433117491404&store_num=		
GeoTracker Data:	Not Reported		

H32
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00017304**

Well ID:	USGS-334433117491403	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334433117491403	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334433117491403&store_num=		
GeoTracker Data:	Not Reported		

H33
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CALLNL000000481**

Well ID:	100728	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/09W-16C01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000529033
Units:	cm3STP/g	Date:	05/18/2001

Chemical:	Tritium (Hydrogen 3)	Results:	19.54
Units:	pCi/L	Date:	10/08/2001

Chemical:	Neon	Results:	.000000475777
Units:	cm3STP/g	Date:	05/18/2001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	Helium-3/Helium-4	Results:	.00000181027
Units:	atom ratio	Date:	05/18/2001
Chemical:	Helium-4	Results:	.000000219799
Units:	cm3STP/g	Date:	05/18/2001
Chemical:	Xenon	Results:	.0000000121101
Units:	cm3STP/g	Date:	05/18/2001
Chemical:	Krypton	Results:	.0000000981772
Units:	cm3STP/g	Date:	05/18/2001

G34
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000078108**

Well ID:	T0605984477-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-5		

G35
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000039784**

Well ID:	T0605984477-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-8		

H36
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000005269**

State Well #:	05S09W16B002S	Station ID:	5790
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G37
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000070221**

Well ID:	T0605984477-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-6		

H38
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000019477**

Well ID:	3010046-017	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	MAIN STREET WELL 04	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-017&store_num=		
GeoTracker Data:	Not Reported		

G39
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000050207**

Well ID:	T0605984477-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-7		

G40
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000065896**

Well ID:	T0605984477-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605984477&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605984477&assigned_name=MW-9		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G41
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000098846**

Well ID:	T0605902351-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902351&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902351&assigned_name=MW5		

H42
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000012728**

Well ID:	05S09W16C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16C001S&store_num=		
GeoTracker Data:	Not Reported		

F43
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000111990**

Well ID:	T0605999010-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW1		

F44
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000059559**

Well ID:	T0605999010-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW9		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G45
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000132346**

Well ID:	T0605902351-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902351&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902351&assigned_name=MW2		

F46
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000039335**

Well ID:	T0605999010-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW4		

I47
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000090856**

Well ID:	T0605901423-MW-32	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-32
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-32&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-32		

F48
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000012166**

Well ID:	T0605999010-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J49
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000138449**

Well ID:	T0605901423-MW-29	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-29
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-29&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-29		

K50
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104921**

Well ID:	T0605999010-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW6		

I51
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000017565**

Well ID:	T0605901423-MW-26	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-26		

L52
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000089337**

Well ID:	T0605902351-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902351&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902351&assigned_name=MW7		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K53
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123959**

Well ID:	T0605999010-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW2		

K54
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000090595**

Well ID:	T0605999010-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW5		

H55
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000007618**

Well ID:	3010046-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	MAIN STREET WELL 02 - ABANDONED		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-007&store_num=		
GeoTracker Data:	Not Reported		

L56
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000018936**

Well ID:	T0605902351-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902351&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902351&assigned_name=MW8		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K57
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000092910**

Well ID:	T0605999010-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW7		

J58
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000106677**

Well ID:	T0605901423-MW-28	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-28
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-28&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-28		

K59
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000050497**

Well ID:	T0605999010-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW8		

M60
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000024680**

Well ID:	05S09W16B003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16B003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16B003S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
M61 **SW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADWR0000026641**

Well ID:	05S09W16B004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16B004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16B004S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
I62 **East** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000064726**

Well ID:	T0605901423-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-18		

	Database	EDR ID Number
J63 **East** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000142998**

Well ID:	T0605901423-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-17		

	Database	EDR ID Number
J64 **ENE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000008284**

Well ID:	T0605901423-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-15		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N65
ENE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000125896**

Well ID:	T0605901423-MW-27	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-27
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-27&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-27		

J66
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000044031**

Well ID:	T0605901423-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-16		

I67
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000131642**

Well ID:	T0605901423-MW-35	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-35
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-35&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-35		

J68
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000051885**

Well ID:	T0605901423-MW-07	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-07		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
N69 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000120801**

Well ID:	T0605901423-MW-30	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-30		

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70 **ESE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000022050**

Well ID:	T0605901423-MW-33	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-33
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-33&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-33		

O71 **East** **1/2 - 1 Mile** **Lower**	Site ID:	083002199T	**AQUIFLOW**	**37914**
	Groundwater Flow:	SW		
	Shallow Water Depth:	112		
	Deep Water Depth:	126		
	Average Water Depth:	Not Reported		
	Date:	11/09/1992		

O72 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000074706**

Well ID:	T0605901423-MW-06	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-06		

N73 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000130908**

Well ID:	T0605901423-MW-05	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-05

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GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-05&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-05

O74
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000118115**

Well ID: T0605901423-MW-11 Well Type: MONITORING
Source: EDF Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-11

N75
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000021397**

Well ID: T0605901423-MW-14 Well Type: MONITORING
Source: EDF Other Name: MW-14
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-14&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-14

O76
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140532**

Well ID: T0605901622-MW-02R Well Type: MONITORING
Source: EDF Other Name: MW-02R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901622&assigned_name=MW-02R&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901622&assigned_name=MW-02R

O77
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000051723**

Well ID: T0605901622-MW-01R Well Type: MONITORING
Source: EDF Other Name: MW-01R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901622&assigned_name=MW-01R&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901622&assigned_name=MW-01R

O78
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134664**

Well ID:	T0605901423-GTMW-01	Well Type:	MONITORING
Source:	EDF	Other Name:	GTMW-01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=GTMW-01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=GTMW-01		

O79
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000016376**

Well ID:	T0605901622-MW-03	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901622&assigned_name=MW-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901622&assigned_name=MW-03		

N80
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000045349**

Well ID:	T0605901423-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-24		

N81
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000120596**

Well ID:	T0605901423-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O82
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000104490**

Well ID:	T0605901423-B-20	Well Type:	MONITORING
Source:	EDF	Other Name:	B-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=B-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=B-20		

O83
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000104117**

Well ID:	T0605901423-MW-46	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-46
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-46&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-46		

N84
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088540**

Well ID:	T0605901423-MW-45	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-45
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-45&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-45		

O85
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129757**

Well ID:	T0605901423-B-16	Well Type:	MONITORING
Source:	EDF	Other Name:	B-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=B-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=B-16		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
O86 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000018629**

Well ID:	T0605901622-MW-03R	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-03R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901622&assigned_name=MW-03R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901622&assigned_name=MW-03R		

	Database	EDR ID Number
O87 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000038342**

Well ID:	T0605901423-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-10		

	Database	EDR ID Number
O88 **East** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000137915**

Well ID:	T0605901423-B-19	Well Type:	MONITORING
Source:	EDF	Other Name:	B-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=B-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=B-19		

	Database	EDR ID Number
O89 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000018221**

Well ID:	T0605901423-GTMW-04	Well Type:	MONITORING
Source:	EDF	Other Name:	GTMW-04
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=GTMW-04&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=GTMW-04		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O90
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000018187**

Well ID:	T0605901423-B-17	Well Type:	MONITORING
Source:	EDF	Other Name:	B-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=B-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=B-17		

P91
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000106466**

Well ID:	T0605901423-MW-34	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-34
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-34&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-34		

Q92
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080106**

Well ID:	T0605901423-MW-09	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-09		

P93
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000139086**

Well ID:	T0605901423-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-12		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
O94 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000122041**

Well ID:	T0605999019-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999019&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999019&assigned_name=MW4		

	Database	EDR ID Number
O95 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000105126**

Well ID:	T0605901423-MW-47	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-47
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-47&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-47		

	Database	EDR ID Number
O96 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000107592**

Well ID:	T0605901423-GTMW-03	Well Type:	MONITORING
Source:	EDF	Other Name:	GTMW-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=GTMW-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=GTMW-03		

	Database	EDR ID Number
O97 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000097848**

Well ID:	T0605999019-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999019&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999019&assigned_name=MW2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
O98 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000022137**

Well ID:	T0605999019-MW1D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999019&assigned_name=MW1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999019&assigned_name=MW1D		

	Database	EDR ID Number
O99 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000094759**

Well ID:	T0605999019-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999019&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999019&assigned_name=MW1		

	Database	EDR ID Number
P100 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000000942**

Well ID:	T0605901423-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-20		

	Database	EDR ID Number
Q101 **East** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000127073**

Well ID:	T0605999019-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999019&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999019&assigned_name=MW3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q102
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033470**

Well ID:	T0605901423-MW-48	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-48
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-48&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-48		

P103
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000101517**

Well ID:	T0605901423-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-22		

Q104
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000079948**

Well ID:	T0605901423-MW-36	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-36
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-36&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-36		

Q105
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033522**

Well ID:	T0605901423-MW-37	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-37
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-37&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-37		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q106
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000051397**

Well ID:	T0605901423-MW-43	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-43
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-43&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-43		

Q107
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136114**

Well ID:	T0605901423-MW-40	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-40
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-40&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-40		

R108
South
1/2 - 1 Mile
Lower

AQUIFLOW **67258**

Site ID:	083001385T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	70
Date:	10/30/1992

109
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014395**

Well ID:	T0605901423-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-23		

Q110
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136599**

Well ID:	T0605901423-MW-38	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-38

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-38&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-38

R111
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036615**

Well ID: T0605902353-CFS-9 Well Type: MONITORING
Source: EDF Other Name: CFS-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-9

R112
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000050633**

Well ID: T0605902353-CFS-10 Well Type: MONITORING
Source: EDF Other Name: CFS-10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-10

R113
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000068289**

Well ID: T0605902353-CFS-7 Well Type: MONITORING
Source: EDF Other Name: CFS-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-7

R114
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000012644**

Well ID: T0605902353-CFS-6 Well Type: MONITORING
Source: EDF Other Name: CFS-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-6&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-6

115
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000101036**

Well ID:	T0605901423-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-21		

116
West
1/2 - 1 Mile
Higher

AQUIFLOW **52033**

Site ID:	083002544T
Groundwater Flow:	NW
Shallow Water Depth:	81.95
Deep Water Depth:	91.95
Average Water Depth:	Not Reported
Date:	03/19/1996

R117
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000012066**

Well ID:	T0605902353-CFS-1	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-1		

R118
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000011999**

Well ID:	T0605902353-CFS-11	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-11		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R119
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000047983**

Well ID:	T0605902353-CFS-4	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-4		

R120
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000085105**

Well ID:	T0605902353-CFS-5	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-5		

R121
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000012552**

Well ID:	T0605902353-CFS-12	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-12		

R122
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000110996**

Well ID:	T0605902353-CFS-13	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
123 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000129536**

Well ID:	T0605901423-MW-39	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-39
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901423&assigned_name=MW-39&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901423&assigned_name=MW-39		

R124 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000135963**

Well ID:	T0605902353-CFS-2	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-2		

R125 **South** **1/2 - 1 Mile** **Lower**	Site ID:	083000716T	**AQUIFLOW**	**65081**
	Groundwater Flow:	E		
	Shallow Water Depth:	56.45		
	Deep Water Depth:	63.5		
	Average Water Depth:	Not Reported		
	Date:	09/13/1990		

R126 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000024410**

Well ID:	T0605902353-CFS-3	Well Type:	MONITORING
Source:	EDF	Other Name:	CFS-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902353&assigned_name=CFS-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902353&assigned_name=CFS-3		

S127 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000127371**

Well ID:	T0605902280-AS1	Well Type:	MONITORING
Source:	EDF	Other Name:	AS1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=AS1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=AS1

S128
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112224**

Well ID: T0605902280-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW2

S129
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000097001**

Well ID: T0605902280-MW4 Well Type: MONITORING
Source: EDF Other Name: MW4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW4

S130
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141721**

Well ID: T0605902280-MW3 Well Type: MONITORING
Source: EDF Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW3

S131
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023635**

Well ID: T0605902280-AS2 Well Type: MONITORING
Source: EDF Other Name: AS2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=AS2&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=AS2

S132
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000101901**

Well ID:	T0605902280-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW1		

S133
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000003120**

Well ID:	T0605902280-AS3	Well Type:	MONITORING
Source:	EDF	Other Name:	AS3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=AS3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=AS3		

S134
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083149**

Well ID:	T0605902280-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW6		

S135
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000103372**

Well ID:	T0605902280-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW7		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T136
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000017808**

Well ID:	05S09W09M001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W09M001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W09M001S&store_num=		
GeoTracker Data:	Not Reported		

S137
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000101520**

Well ID:	T0605902280-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW5		

U138
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000002450**

Well ID:	3010046-016	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	VANDENBERG WELL	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-016&store_num=		
GeoTracker Data:	Not Reported		

V139
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000043961**

Well ID:	T0605990440-MW-3D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605990440&assigned_name=MW-3D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605990440&assigned_name=MW-3D		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V140
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000139971**

Well ID:	T0605934780-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-4		

V141
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071698**

Well ID:	T0605990440-MW-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605990440&assigned_name=MW-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605990440&assigned_name=MW-1D		

V142
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000057418**

Well ID:	T0605990440-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605990440&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605990440&assigned_name=MW-2		

U143
NNW
1/2 - 1 Mile
Higher

CA WELLS **CALLNL000000349**

Well ID:	100784	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/09W-09C02 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Krypton	Results:	.000000108692
Units:	cm3STP/g	Date:	05/08/2001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	Tritium (Hydrogen 3)	Results:	3.34
Units:	pCi/L	Date:	10/30/2001
Chemical:	Neon	Results:	.000000669953
Units:	cm3STP/g	Date:	05/08/2001
Chemical:	Helium-3/Helium-4	Results:	.00000184088
Units:	atom ratio	Date:	05/08/2001
Chemical:	Argon	Results:	.000598032
Units:	cm3STP/g	Date:	05/08/2001
Chemical:	Helium-4	Results:	.000000339314
Units:	cm3STP/g	Date:	05/08/2001
Chemical:	Xenon	Results:	.0000000130089
Units:	cm3STP/g	Date:	05/08/2001

U144
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00019432**

Well ID:	USGS-334531117492901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334531117492901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334531117492901&store_num=		
GeoTracker Data:	Not Reported		

V145
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125183**

Well ID:	T0605934780-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-1		

V146
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131609**

Well ID:	T0605934780-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-3&store_num=
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-3

U147
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000137931**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W09C002S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19921222	Well Depth:	920
Well Depth Units:	ft	Well Hole Depth:	1129
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1993-03-25
Feet below surface:	160	Feet to sea level:	Not Reported
Note:	Not Reported		

T148
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00001815**

Well ID:	USGS-334500117495801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334500117495801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334500117495801&store_num=		
GeoTracker Data:	Not Reported		

V149
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115044**

Well ID:	T0605934780-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W150
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000000828**

Well ID:	3010046-032	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	PASADENA WELL	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-032&store_num=		
GeoTracker Data:	Not Reported		

T151
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000137854**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W09M001S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

152
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000006155**

Well ID:	3010046-009	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	NEWPORT	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-009&store_num=		
GeoTracker Data:	Not Reported		

V153
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000140287**

Well ID:	T0605934780-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W154
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005277**

State Well #:	05S09W16D001S	Station ID:	38724
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

V155
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016566**

Well ID:	T0605953807-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-1		

V156
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034137**

Well ID:	T0605953807-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-2		

W157
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000029518**

Well ID:	05S09W16D001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16D001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16D001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

158
West
1/2 - 1 Mile
Higher

AQUIFLOW **51977**

Site ID:	083001069T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	90 ft
Date:	07/05/1989

V159
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108271**

Well ID:	T0605953807-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-4		

V160
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034265**

Well ID:	T0605953807-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-3		

X161
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000086506**

Well ID:	T0605902059-GW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-19		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X162
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000013675**

Well ID:	T0605902059-GW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-17		

X163
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080068**

Well ID:	T0605902059-GW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-18		

X164
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000021040**

Well ID:	T0605902059-GW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-16		

X165
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000059727**

Well ID:	T0605902059-GW-1R	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-1R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-1R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-1R		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X166
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000008841**

Well ID:	T0605902059-GW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-9		

X167
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014167**

Well ID:	T0605902059-GW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-8		

Y168
SSE
1/2 - 1 Mile
Lower

Site ID:	083001980T
Groundwater Flow:	SW
Shallow Water Depth:	32.6’
Deep Water Depth:	37.7’
Average Water Depth:	Not Reported
Date:	10/30/1998

AQUIFLOW **34224**

X169
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000093299**

Well ID:	T0605902059-GW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-12		

X170
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000097888**

Well ID:	T0605902059-GW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-13&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-13

X171
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000058640**

Well ID: T0605902059-GW-10 Well Type: MONITORING
Source: EDF Other Name: GW-10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-10

X172
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000013580**

Well ID: T0605902059-GW-1RB Well Type: MONITORING
Source: EDF Other Name: GW-1RB
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-1RB&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-1RB

X173
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125188**

Well ID: T0605902059-GW-2RB Well Type: MONITORING
Source: EDF Other Name: GW-2RB
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-2RB&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-2RB

X174
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000061947**

Well ID: T0605902059-GW-2R Well Type: MONITORING
Source: EDF Other Name: GW-2R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-2R&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-2R

X175
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000012506**

Well ID:	T0605902059-GW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-4		

Z176
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070040**

Well ID:	T0605900512-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=MW-11		

X177
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000011144**

Well ID:	T0605902059-GW-3R	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-3R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-3R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-3R		

X178
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072190**

Well ID:	T0605902059-GW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-11		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z179
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065392**

Well ID:	T0605900512-W-4	Well Type:	MONITORING
Source:	EDF	Other Name:	W-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-4		

X180
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016684**

Well ID:	T0605902059-GW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-14		

X181
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103160**

Well ID:	T0605902059-GW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-7		

Z182
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000016909**

Well ID:	T0605900512-W-1	Well Type:	MONITORING
Source:	EDF	Other Name:	W-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X183
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047342**

Well ID:	T0605902059-GW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-15		

AA184
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093692**

Well ID:	T0605901481-BC-19	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-19		

Z185
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000078564**

Well ID:	T0605900512-W-3	Well Type:	MONITORING
Source:	EDF	Other Name:	W-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-3		

X186
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000137772**

Well ID:	T0605902059-GW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z187
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000015511**

Well ID:	T0605900512-W-5	Well Type:	MONITORING
Source:	EDF	Other Name:	W-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-5		

Z188
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000016334**

Well ID:	T0605900369-B-22	Well Type:	MONITORING
Source:	EDF	Other Name:	B-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-22		

X189
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125522**

Well ID:	T0605902059-GW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902059&assigned_name=GW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902059&assigned_name=GW-6		

Z190
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000139133**

Well ID:	T0605900512-W-2	Well Type:	MONITORING
Source:	EDF	Other Name:	W-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z191
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093922**

Well ID:	T0605900369-B-23	Well Type:	MONITORING
Source:	EDF	Other Name:	B-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-23		

Z192
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000015987**

Well ID:	T0605900369-B-7	Well Type:	MONITORING
Source:	EDF	Other Name:	B-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-7		

Z193
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000080559**

Well ID:	T0605900369-B-24	Well Type:	MONITORING
Source:	EDF	Other Name:	B-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-24		

Z194
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000121867**

Well ID:	T0605900369-B-25	Well Type:	MONITORING
Source:	EDF	Other Name:	B-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-25		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z195
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070671**

Well ID:	T0605900512-W-6	Well Type:	MONITORING
Source:	EDF	Other Name:	W-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-6		

Y196
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000010972**

Well ID:	T0605901481-BC-10	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-10		

Y197
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000064798**

Well ID:	T0605901481-BC-8	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-8		

Z198
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000097714**

Well ID:	T0605900369-B-6	Well Type:	MONITORING
Source:	EDF	Other Name:	B-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z199
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000138181**

Well ID:	T0605900512-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=MW-10		

AB200
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000137620**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16Q002S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Y201
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140495**

Well ID:	T0605901481-BC-11	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-11		

AB202
South
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00004061**

Well ID:	USGS-334405117492101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334405117492101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334405117492101&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z203
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065543**

Well ID:	T0605900369-B-15	Well Type:	MONITORING
Source:	EDF	Other Name:	B-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-15		

Z204
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000084236**

Well ID:	T0605900512-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=MW-9		

Z205
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000101427**

Well ID:	T0605900369-B-4	Well Type:	MONITORING
Source:	EDF	Other Name:	B-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-4		

Z206
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000020124**

Well ID:	T0605900369-B-2	Well Type:	MONITORING
Source:	EDF	Other Name:	B-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z207
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000086412**

Well ID:	T0605900369-B-1	Well Type:	MONITORING
Source:	EDF	Other Name:	B-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-1		

Z208
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031818**

Well ID:	T0605900369-B-18	Well Type:	MONITORING
Source:	EDF	Other Name:	B-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-18		

Z209
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000121391**

Well ID:	T0605900369-B-26	Well Type:	MONITORING
Source:	EDF	Other Name:	B-26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-26		

Z210
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000006566**

Well ID:	T0605900369-B-3	Well Type:	MONITORING
Source:	EDF	Other Name:	B-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AB211 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000035372**

Well ID:	05S09W16Q002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16Q002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16Q002S&store_num=		
GeoTracker Data:	Not Reported		

Z212 **SSW** **1/2 - 1 Mile** **Lower**	Site ID:	083000459T	**AQUIFLOW**	**34226**
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	45’		
	Date:	07/07/1995		

	Database	EDR ID Number
Y213 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000110826**

Well ID:	T0605901481-BC-2	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-2		

	Database	EDR ID Number
Y214 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000136934**

Well ID:	T0605901481-BC-6	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-6		

	Database	EDR ID Number
Z215 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000087036**

Well ID:	T0605900369-B-5	Well Type:	MONITORING
Source:	EDF	Other Name:	B-5
GAMA PFAS Testing:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-5

Z216
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000096257**

Well ID:	T0605900369-B-16	Well Type:	MONITORING
Source:	EDF	Other Name:	B-16
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-16&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-16

Z217
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036897**

Well ID:	T0605900369-B-21	Well Type:	MONITORING
Source:	EDF	Other Name:	B-21
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-21&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-21

AB218
South
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005240**

State Well #:	05S09W16Q002S	Station ID:	5792
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

AA219
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000114355**

Well ID:	T0605901481-BC-1	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-1
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AB220 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000018310**

Well ID:	3010092-066	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 21	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010092-066&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AA221 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000020815**

Well ID:	T0605904805-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-1		

	Database	EDR ID Number
Z222 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000019972**

Well ID:	T0605900369-B-19	Well Type:	MONITORING
Source:	EDF	Other Name:	B-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-19		

	Database	EDR ID Number
Z223 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000075931**

Well ID:	T0605900369-B-17	Well Type:	MONITORING
Source:	EDF	Other Name:	B-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-17		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AB224 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000005241**

State Well #:	05S09W16Q005S	Station ID:	5794
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

	Database	EDR ID Number
AC225 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000073172**

Well ID:	T0605934888-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-7		

	Database	EDR ID Number
AA226 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000032562**

Well ID:	T0605904805-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-5		

			Database	EDR ID Number
AA227 **SSE** **1/2 - 1 Mile** **Lower**	Site ID:	083000982T	**AQUIFLOW**	**52032**
	Groundwater Flow:	S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	35.85		
	Date:	04/15/1999		

	Database	EDR ID Number
AA228 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000091587**

Well ID:	T0605904805-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-8&store_num=		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-8

AA229
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093354**

Well ID:	T0605904805-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-4		

Y230
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072502**

Well ID:	T0605901481-BC-14	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-14		

Y231
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116096**

Well ID:	T0605901481-BC-3	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-3		

AA232
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000000594**

Well ID:	T0605904805-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AB233
South
1/2 - 1 Mile
Lower

CA WELLS **6135**

Seq:	6135	Prim sta c:	05S/09W-16Q05 S
Frds no:	3010092012	County:	30
District:	08	User id:	TEE
System no:	3010092	Water type:	G
Source nam:	WELL 21 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	334403.8	Longitude:	1174921.3
Precision:	Not Reported	Status:	IU
Comment 1:	TOTAL DEPTH 990'; PERFORATED INTERVAL 290-970' BGS; DATE DRILLED 04/29		
Comment 2:	/92; LOCATED 600' E OF NEWPORT AVE., 60' N OF MITCHELL AVE.		
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010092	System nam:	Irvine Ranch Water District
Hqname:	Not Reported	Address:	P.O. BOX 57000
City:	IRVINE	State:	CA
Zip:	92716	Zip ext:	Not Reported
Pop serv:	135000	Connection:	50321
Area serve:	IRVINE		

AA234
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000124768**

Well ID:	T0605904805-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-2		

AA235
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111451**

Well ID:	T0605901481-BC-9	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-9		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA236
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060380**

Well ID:	T0605901481-BC-15	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-15		

AA237
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140569**

Well ID:	T0605901481-BC-18	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-18		

AC238
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000000049**

Well ID:	T0605934888-VW-06D	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-06D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=VW-06D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=VW-06D		

AC239
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142942**

Well ID:	T0605934888-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AC240 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000014601**

Well ID:	T0605934888-VW-05D	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-05D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=VW-05D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=VW-05D		

	Database	EDR ID Number
AC241 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000102650**

Well ID:	T0605934888-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-6		

			Database	EDR ID Number
AC242 **SSE** **1/2 - 1 Mile** **Lower**	Site ID:	083000356T	**AQUIFLOW**	**65093**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	39.08		
	Deep Water Depth:	50.92		
	Average Water Depth:	Not Reported		
	Date:	04/30/1995		

	Database	EDR ID Number
AC243 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000016618**

Well ID:	T0605904805-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-7		

	Database	EDR ID Number
AC244 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000081000**

Well ID:	T0605934888-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-3

AA245
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000135106**

Well ID: T0605904805-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605904805&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605904805&assigned_name=MW-3

AD246
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000084195**

Well ID: T0605901481-BC-4 Well Type: MONITORING
Source: EDF Other Name: BC-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-4

AD247
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134814**

Well ID: T0605901481-BC-12 Well Type: MONITORING
Source: EDF Other Name: BC-12
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-12&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-12

AC248
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000000185**

Well ID: T0605934888-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-1&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-1

AA249
SSE **CA WELLS** **CAEDF0000091127**
1/2 - 1 Mile
Lower

Well ID: T0605901481-BC-16 Well Type: MONITORING
Source: EDF Other Name: BC-16
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-16&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-16

AD250
SSE **CA WELLS** **CAEDF0000097637**
1/2 - 1 Mile
Lower

Well ID: T0605901481-BC-7 Well Type: MONITORING
Source: EDF Other Name: BC-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-7

AC251
SSE **CA WELLS** **CAEDF0000108953**
1/2 - 1 Mile
Lower

Well ID: T0605934888-VW-04D Well Type: MONITORING
Source: EDF Other Name: VW-04D
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=VW-04D&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=VW-04D

AC252
SSE **CA WELLS** **CAEDF0000093731**
1/2 - 1 Mile
Lower

Well ID: T0605934888-MW-15 Well Type: MONITORING
Source: EDF Other Name: MW-15
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-15

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC253
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000086439**

Well ID:	T0605934888-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-14		

AC254
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000054138**

Well ID:	T0605934888-VW-01D	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-01D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=VW-01D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=VW-01D		

AC255
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070062**

Well ID:	T0605934888-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-4		

AC256
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000039608**

Well ID:	T0605901481-BC-17	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901481&assigned_name=BC-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901481&assigned_name=BC-17		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AC257 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000093742**

Well ID:	T0605934888-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-11		

	Database	EDR ID Number
AC258 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000043274**

Well ID:	T0605934888-RW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=RW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=RW-1		

			Database	EDR ID Number
AC259 **SSE** **1/2 - 1 Mile** **Lower**	Site ID:	083000099T	**AQUIFLOW**	**37918**
	Groundwater Flow:	NW		
	Shallow Water Depth:	44.65		
	Deep Water Depth:	53.04		
	Average Water Depth:	Not Reported		
	Date:	06/30/1993		

			Database	EDR ID Number
AC260 **SSE** **1/2 - 1 Mile** **Lower**	Site ID:	083000099T	**AQUIFLOW**	**37919**
	Groundwater Flow:	NW		
	Shallow Water Depth:	44.65		
	Deep Water Depth:	53.04		
	Average Water Depth:	Not Reported		
	Date:	06/30/1993		

	Database	EDR ID Number
261 **NE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR0000003170**

Well ID:	05S09W10C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W10C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W10C001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AC262 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000121196**

Well ID:	T0605934888-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-9		

	Database	EDR ID Number
AC263 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000119633**

Well ID:	T0605934888-VW-03D	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-03D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=VW-03D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=VW-03D		

	Database	EDR ID Number
AC264 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000143016**

Well ID:	T0605934888-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934888&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934888&assigned_name=MW-5		

			Database	EDR ID Number
1G **East** **1/2 - 1 Mile** **Lower**	Site ID:	083002199T	**AQUIFLOW**	**37914**
	Groundwater Flow:	SW		
	Shallow Water Depth:	112		
	Deep Water Depth:	126		
	Average Water Depth:	Not Reported		
	Date:	11/09/1992		

			Database	EDR ID Number
2G **West** **1/2 - 1 Mile** **Lower**	Site ID:	083002544T	**AQUIFLOW**	**52033**
	Groundwater Flow:	NW		
	Shallow Water Depth:	81.95		
	Deep Water Depth:	91.95		
	Average Water Depth:	Not Reported		
	Date:	03/19/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
3G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001069T Not Reported Not Reported Not Reported 90 ft 07/05/1989	**AQUIFLOW**	**51977**
4G **ESE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001807T Not Reported 54.21 54.4 Not Reported 06/30/1999	**AQUIFLOW**	**68198**
5G **South** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001385T Not Reported Not Reported Not Reported 70 10/30/1992	**AQUIFLOW**	**67258**
6G **South** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000716T E 56.45 63.5 Not Reported 09/13/1990	**AQUIFLOW**	**65081**
7G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001980T SW 32.6’ 37.7’ Not Reported 10/30/1998	**AQUIFLOW**	**34224**
8G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000982T S Not Reported Not Reported 35.85 04/15/1999	**AQUIFLOW**	**52032**
9G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000459T NW Not Reported Not Reported 45’ 07/07/1995	**AQUIFLOW**	**34226**

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
10G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000356T Not Reported 39.08 50.92 Not Reported 04/30/1995	**AQUIFLOW**	**65093**
11G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000099T NW 44.65 53.04 Not Reported 06/30/1993	**AQUIFLOW**	**37918**
12G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000099T NW 44.65 53.04 Not Reported 06/30/1993	**AQUIFLOW**	**37919**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92780	42	1

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 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 Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS

PARTNER

Heather Hodgetts
Senior Scientist

Education

B.A. in Earth Sciences, University of Southern California

Training

40-Hour OSHA-approved Health & Safety Training
8-hour OSHA HAZWOPER Annual Refresher

Highlights

20 years in the environmental consulting industry
Phase I Environmental Site Assessments
Phase II and III Subsurface Investigations

Experience Summary

As a Senior Scientist for due diligence services within the Investment Advisory Group, Ms. Hodgetts focuses on providing solutions to clients' due diligence and engineering needs and sharing years of expertise with staff and clients. Previously, Ms. Hodgetts was a Senior Environmental Scientist for a Fortune 500 company and was responsible for managing due diligence projects throughout the United States.

Ms. Hodgetts has performed hundreds of Phase I Environmental Site Assessments, Third Party Reviews, Due Diligence Audits, and Record Search, Phase II Subsurface Investigations, Underground Storage Tank Investigations, Remedial Investigations, Limited asbestos surveys, Lead-based paint surveys, Radon Studies, and Lead-in-water sampling and analysis.

Ms. Hodgetts has worked with various clients including: individual investors, institutional investors, private and institutional equity companies, insurance companies, attorneys, brokers, developers, and multiple lenders.

Project Experience

Phase I Environmental Site assessments

Ms. Hodgetts has performed Phase I Environmental Site Assessments of commercial, residential, and industrial properties including schools, shopping centers, industrial parks, manufacturing facilities, drycleaners and gasoline stations.

Subsurface Investigations

Conducted soil and groundwater assessments at County of San Diego Department of Public Works Road Stations throughout San Diego County. Activities included field oversight of groundwater monitoring well installation using mud-rotary, air-rotary, and hollow-stem augers; soil and groundwater sampling; receptor surveys; and installed monitoring wells and soil borings.

Environmental Regulatory Compliance

Assisted in environmental regulatory compliance audit and ownership transfer activities. The audit included coordinating with local agencies to transfer environmental permits for air, wastewater, hazardous waste, and medical waste.

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Storage Tank Programs
Completed UST Closure Reports, Limited Site Assessments, Soil Assessment Reports, Soil Closure Reports, and Corrective Action Plans for submittal to regulatory agencies for UST sites owned by various industrial and government entities.

School District Investigations
Worked in-house for San Diego Unified School District (SDUSD) for 15 months completing the environmental due diligence for Proposition MM, a bond measure passed by voters to fund modernization of 165 existing school and construction of 16 new/rebuilt schools. Activities included: conducting Phase I ESAs for proposed school sites, including information relevant to the California Department of Education (CDE) School Site Selection and Approval Guide; submitting Phase I ESAs for EPA Department of Toxic Substances Control review; preparing Public Participations Plans and assisting with public meeting presentations; and submitting site packages to CDE for site approval. In addition to SDUSD, Ms. Hodgetts has also worked on Los Angeles Unified School District, Coronado Unified School District, and Lake Elsinore Unified School District sites.

Subsurface Investigations
Conducted soil and groundwater assessments at County of San Diego Department of Public Works Road Stations throughout San Diego County. Activities included field oversight of groundwater monitoring well installation using mud-rotary, air-rotary, and hollow-stem augers; soil and groundwater sampling; receptor surveys; and installed monitoring wells and soil borings.

Environmental Regulatory Compliance
Assisted in environmental regulatory compliance audit and ownership transfer activities. The audit included coordinating with local agencies to transfer environmental permits for air, wastewater, hazardous waste, and medical waste.

Cellular Telephone Investigations
Performed environmental assessments for cellular telephone antenna installations for a major cellular operator. Tasks included: inspections of numerous buildings, installations, additions, collocations, and vacant land; and asbestos and lead sampling at these facilities throughout southern California.

Contact

hhodgettsl@partneresi.com

PARTNER

Debbie Stott, P.G.
Nevada CEM
Technical Director

Education
BA Geology, The Ohio State University

Registrations
California Professional Geologist No. 6221
Nevada Certified Environmental Manager No. 2359

Training
OSHA, Hazardous Waste Operator (HAZWOPER) 40 hour Certification
AHERA Certified Asbestos Inspector
Certified Project Manager

Highlights
Over 25 years of experience in the environmental service industry with a focus on due diligence assessments
Knowledgeable with ASTM, EPA's All Appropriate Inquiry (AAI), and customized client formats.
100+ Phase I Environmental Site Assessments

Experience Summary
As Technical Director for due diligence services as part of the Investment Advisory Group, Ms. Stott focuses on report quality, client service, and sharing her years of expertise with staff and clients.

Ms. Stott has performed hundreds of Phase I Environmental Site Assessments, Third Party Reviews, Due Diligence Audits, Record Search and Risk Assessments, Phase II and III Subsurface Investigations, Underground storage tank investigations, Remedial Investigations, Radon Studies, Mold Assessments, Methane Surveys, Indoor Air Quality Assessments, and Lead-in-water sampling and analysis.

Clients have varied and have included: individual investors, City of Los Angeles Agencies, Los Angeles County, City of Anaheim, institutional investors, private and institutional equity companies, insurance companies, attorneys, brokers, developers, and multiple lenders.

Project Experience
Ms. Stott has conducted, managed and directed thousands of ESAs throughout her career and has been Senior Project Manager for hundreds of site investigations, characterization studies and remediation projects throughout California and the US. The following select projects summarize her experience and due diligence background:

Transaction Due Diligence
Project Manager, Western US and Southern California, LBA Realty. For over 16 years performed due diligence services related to real estate transfers as well as asset refinances for LBA Realty. The relationship requires close coordination and communication with property managers and representatives to provide a smooth process with client and lenders. Services have also included review of third party reports, asbestos surveys, subsurface investigations, and development of soil management plans. Many projects involved multiple locations in several states thus requiring coordination with other offices and client contacts.

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Environmental Lead, West Coast, Barings, LLC (Barings). Ms. Stott assists with management and review of environmental due diligence and environmental actions associated with acquisitions, property development, joint venture developments, property divestments and finance group loan transactions. Environmental due diligence includes Phase I ESAs, Phase II ESAs, indoor air quality assessments, mold assessment and mitigation planning, providing third party review, asbestos investigations, asbestos abatement, operation and maintenance plan development, remedial action development and implementation, regulatory correspondence and permitting.

Phase I ESAs – multiple clients throughout US.. Ms. Stott manages and oversees preparation of Phase I Environmental Site Assessments for several confidential clients. All are completed to ASTM guidelines with various special criteria specific to each client.

Subsurface Investigations/Vapor Intrusion

Project Manager, Whittier, CA, Confidential Client. Conducted several investigations to evaluate the potential for vapor intrusion associated with contaminated groundwater into client buildings. At one location a horizontal well system was installed to passively vent vapors. Site investigations involved the installation of multiple, multi-depth vapor probes through the property to map the plume and to assist in decision making for potential further investigation. Data collected from both soil vapor and indoor air monitoring was subjected to risk assessment in order to determine if indoor air quality had been negatively impacted and engineering controls needed to protect workers. Client was able to purchase and redevelop portions of the desired parcels for use as parking.

Project Manager and Environmental Lead, Berkeley, CA, LBA Realty. Evaluation of potential risks associated with the presence of trichloroethylene (TCE) and breakdown products cis 1,2- dichloroethene (cis 1,2-DCE) and vinyl chloride (VC), and methyl tert butyl ether (MTBE) in groundwater and ambient air at an existing building in Berkeley, CA. Worked with outside counsel to evaluate, summarize, and present the risks and potential risks of continued investment in the property. Remedial systems were installed under DTSC oversight, risk assessment performed and the building remodeled and reused for office space.

Municipal/State Contracts

Project Manager, ESAs for City of Anaheim widening of Lincoln Avenue. As a subcontractor to the geotechnical consultant, Partner provided Environmental Site Assessments for multiple properties along the project alignment. The parcel uses ranged from car wash, to older office and motel properties, automotive repair, banks, public school, and a church. Partner finished the multi-site project on time and within budget.

Contact

Dstott@partneresi.com

Appendix G: Preliminary Water Quality Management Plan

Preliminary Water Quality Management Plan (PWQMP)

Project Name:

TTM 19224
17802 Irvine Blvd
Tustin, California

Prepared for:

Intracorp SW, LLC
895 Dove Street, Suite 400
Newport Beach, CA 92660
(949) 258-7555

Prepared by:

Engineer _Ryan J. Bittner_ Registration No._C 68167_

9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800

Prepared: January 2022
Revised: April 2022

Project Owner's Certification			
Planning Application No. (If applicable)	TBD	Grading Permit No.	TBD
Tract/Parcel Map and Lot(s) No.	TTM 17802	Building Permit No.	TBD
Address of Project Site and APN (If no address, specify Tract/Parcel Map and Lot Numbers)			APN: 401-141-13 401-141-57

This Preliminary Water Quality Management Plan (PWQMP) has been prepared for Intracorp by C&V Consulting, Inc. The PWQMP is intended to comply with the requirements of the County of Orange NPDES Stormwater Program requiring the preparation of the plan and is required by the California Environmental Quality Act (CEQA) to assess the impacts of stormwater quality and propose mitigation as part of entitlement review.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan , including the ongoing operation and maintenance of all best management practices (BMPs), and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the current Orange County Drainage Area Management Plan (DAMP) and the intent of the non-point source NPDES Permit for Waste Discharge Requirements for the County of Orange, Orange County Flood Control District and the incorporated Cities of Orange County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement and amend the WQMP. An appropriate number of approved and signed copies of this document shall be available on the subject site in perpetuity.

Owner: Emilie Simard			
Title			
Company	Intracorp SW, LLC		
Address	895 Dove Street, Suite 400, Newport Beach, CA92660		
Email	esimard@intracorphomes.com		
Telephone #	949-724-5923		
I understand my responsibility to implement the provisions of this PWQMP including the ongoing operation and maintenance of the best management practices (BMPs) described herein.			
Owner Signature		Date	

Preparer (Engineer): Ryan J. Bittner			
Title	CEO	PE Registration #	C 68167
Company	C&V Consulting, Inc.		
Address	9830 Irvine Center Drive, Irvine, CA 92618		
Email	rbittner@cvc-inc.net		
Telephone #	(949) 916-3800		

I hereby certify that this Preliminary Water Quality Management Plan is in compliance with, and meets the requirements set forth in, Order No. R8-2009-0030/NPDES No. CAS618030, of the Santa Ana Regional Water Quality Control Board.

Preparer Signature		Date	
Place Stamp Here			

Contents

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Section I	**Permit(s) and Water Quality Conditions of Approval or Issuance**	**1**
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Section III	**Site Description**	**9**
Section IV	**Best Management Practices (BMPs)**	**13**
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Attachments

Attachment A . ..... TGD Worksheets & Figures
Attachment B..... ..... WQMP Exhibit
Attachment C.... ..... BMP Fact Sheets & Details
Attachment D.....TGD Reference Exhibits
Attachment E.... .....2-Year HCOC Calculations
Attachment F.... .....Educational Materials
Attachment G.....Geotechnical & Infiltration Evaluation
Attachment H.....City Covenant

Section I Permit(s) and Water Quality Conditions of Approval or Issuance

Project Infomation			
Permit/Application No. (If applicable)	TBD	Grading or Building Permit No. (If applicable)	TBD
Address of Project Site (or Tract Map and Lot Number if no address) and APN	17802 Irvine Blvd Tustin, CA APN: 401-141-13, 401-141-57		
Water Quality Conditions of Approval or Issuance			
Water Quality Conditions of Approval or Issuance applied to this project. (Please list verbatim.)	Conditions of Approval have not been issued at this time. Water Quality Conditions of Approval will be provided in the Final WQMP.		
Conceptual WQMP			
Was a Conceptual Water Quality Management Plan previously approved for this project?	No, this report represents a Conceptual WQMP.		
Watershed-Based Plan Conditions			
Provide applicable conditions from watershed - based plans including WIHMPs and TMDLS.	N/A		

Section II Project Description

II.1 Project Description

<table>
<tr><th colspan="5">Description of Proposed Project</th></tr>
<tr><td>Development Category (From Model WQMP, Table 7.11-2; or -3):</td><td colspan="4">All significant redevelopment projects, where significant redevelopment is defined as the addition or replacement of 5,000 or more square feet of impervious surface on an already developed site. Redevelopment does not include routine maintenance activities that are conducted to maintain original line and grade, hydraulic capacity, original purpose of the facility, or emergency redevelopment activity required to protect public health and safety.

If the redevelopment results in the addition or replacement of less than 50% of the impervious area on-site and the existing development was not subject to WQMP requirement, the numeric sizing criteria discussed in Section 7.11-2.0 only applies to the addition or replacement area. If addition or replacement accounts for 50 percent or more of the impervious area, the Project WQMP requirements apply to the entire development.</td></tr>
<tr><td>Project Area (ft²): 90,213</td><td colspan="3">Number of Dwelling Units: 40</td><td>SIC Code: N/A</td></tr>
<tr><td rowspan="2">Project Area</td><td colspan="2">Pervious</td><td colspan="2">Impervious</td></tr>
<tr><td>Area (acres or sq ft)</td><td>Percentage</td><td>Area (acres or sq ft)</td><td>Percentage</td></tr>
<tr><td>Pre-Project Conditions</td><td>0.10 ac</td><td>5%</td><td>1.97 ac</td><td>95%</td></tr>
<tr><td>Post-Project Conditions</td><td>0.21 ac</td><td>10%</td><td>1.86 ac</td><td>90%</td></tr>
<tr><td>Drainage Patterns/Connections</td><td colspan="4">The existing site includes two occupied office buildings bordered by asphalt parking stalls on the north and south and a drive aisle in between with three driveways on Irvine Blvd and access to the adjacent lot to the west though a drive aisle in the southwest corner of the lot. The site is sparsely vegetated with small landscape pockets along the parking stalls. The existing site is relatively flat with elevations ranging from approximately 139.5 feet to 137.6 feet above mean sea level. The northeast quadrant (approximately 0.5 acres) slopes from southwest to northeast through a gutter that drains to Irvine Blvd. Stormwater then travels east in the existing gutter of Irvine Blvd to an existing catch basin at Fashion Lane located approximately 700 feet east of the site, then continues to a City of Tustin storm drain which outlets at the Orange County Flood Control District (OCFCD) El Moderna-Irvine Channel. The remainder of the site (approximately 1.5 acres) slopes from north to south and east to west to the ultimate low point of the site in the southwest corner. Stormwater flows in an existing parking lot</td></tr>
</table>

	gutter within 17772 Irvine Blvd until it drains via an existing driveway in Prospect Avenue. Stormwater continues south in the existing Prospect Avenue gutter to a catch basin at First Street approximately 700 feet south of the site, then continues to a City of Tustin storm drain which also outlets at the OCDCD El Moderna-Irvine Channel. The proposed site will follow similar drainage pattern as the existing and is split between two drainage areas with catch basins in the north and southwest corners. Surface flows will be directed into an area drain system or into onsite curb and gutters which will convey the flow to the underground storm drain system. All flows will be conveyed to an infiltration detention pipe where water will be stored onsite until it can percolate into the ground. During a major storm event when the detention pipe fills to capacity, the stormwater will be directed to match the existing flow pattern. There are two emergency overflow locations. One is in the form of a parkway culvert on Irvine Blvd to the north. The second is through a grate inlet in the southwest corner, into a proposed gutter that will outlet to the existing parking lot gutter in 17772 Irvine Blvd. There is an existing easement for drainage purposes along the southern property line of 17772 Irvine Blvd. that will allow for emergency overflow drainage for the project site.

Narrative Project Description: (Use as much space as necessary.)	The information detailed in this report is based on preliminary engineering design only. The total site acreage consists of approximately 2.07 acres of a residential condominium development. The existing site is currently occupied by commercial retail and office space with an asphalt parking lot surrounding two office buildings. All related buildings, improvements, and utilities will be removed during demolition of the site. The proposed residential development will consist of 40 condominium units including 12 de3tached condominiums and 28 duplexes. The residential development proposes two building types each with 2 possible unit types. Each unit will be equipped with water and sewer services. Also attributed to each unit will be a washer/dryer connection and 2-car garage. Trash services are individually picked up. Each unit will have two bins – one for trash and one for recyclables, which will be stored in the unit's garage. In addition to the garage parking, there will be an additional 64 open guest spaces provided. Building, walkway/flatwork, driveway and private drive aisles coverage is approximately 81,370 sf or 90% of the total site. The remaining 8,800 sf is open space landscaping area which makes up 10% of the total site. BMP selection for storm water runoff treatment has been described in Section IV of this report. Implementation of BMPs will be consistent with the addressing of pollutants of concern generated by residential use. No car washing or outdoor storage will be incorporated on this project. At this time, long term maintenance is planned to be handled by a Homeowner's Association (HOA). Filter inserts or a Connector Pipe Screen will be installed on all catch basin and curb inlets to pretreat flows prior to out letting into the underground detention pipe system. During entitlement, these details may change per the City's request and will be re-addressed during final engineering.

II.2 Potential Stormwater Pollutants

Pollutants of Concern			
Pollutant	Check One for each: E=Expected to be of concern N=Not Expected to be of concern		Additional Information and Comments
Suspended-Solid/ Sediment	E ☒	N ☐	
Nutrients	E ☒	N ☐	
Heavy Metals	E ☒	N ☐	
Pathogens (Bacteria/Virus)	E ☒	N ☐	
Pesticides	E ☒	N ☐	
Oil and Grease	E ☒	N ☐	
Toxic Organic Compounds	E ☒	N ☐	
Trash and Debris	E ☒	N ☐	

II.3 Hydrologic Conditions of Concern

☒ No – Show map

☐ Yes – Describe applicable hydrologic conditions of concern below. *Refer to Section 2.2.3 in the Technical Guidance Document (TGD).*

Per Section 5.3.1 of the Technical Guidance Document, the following calculations were developed:

1. ($V_{2\text{-year, post}}/V_{2\text{-year, pre}}$) ≤ 1.05

   (10,901 cf/12,812 cf) = 0.85 ≤ 1.05✓

2. ($Tc_{2\text{-year, pre}}$ / $Tc_{2\text{-year, post}}$) ≤ 1.05

   (6.5 min/8 min) = 0.81 ≤ 1.05✓

*Reference Attachment F for time of concentration nomograph and volume information for the 2-year storm event.

The project site does not consider HCOCs as supported by the calculations above because the project meets the criteria for exemption as defined in the Orange County TGD, Section 2.2.3.

There are downstream channels that are not hard-lined and are subject to hydromodification.

II.4 Post Development Drainage Characteristics

Describe post development drainage characteristics. *Refer to Section 2.2.4 in the Technical Guidance Document (TGD).*

In its proposed condition, underground storm facilities will be installed onsite. The street slopes onsite will convey the flows to two catch basin inlets. These catch basins will be equipped with a Connector Pipe Screen (CPS) to provide full trash capture prior to discharging runoff to the storm drain system or parkway drain. Surface flows will be directed into an area drain piping system or into onsite curb and gutters which will convey the flow to an infiltration detention pipe system. When the infiltration pipes fill to capacity, the storm drain system will overflow to match existing flow pattern. This will occur through a parkway culvert in Irvine Blvd to the north or through a proposed concrete gutter connecting to an existing parking lot gutter within an existing drainage easement located on the 17772 Irvine Blvd property to the west, eventually to Prospect Ave.

II.5 Property Ownership/Management

The property is controlled by Intracorp. A homeowners association will be formed to be responsible for the long term maintenance of the project's Best Management Practices and all common areas.

Section III Site Description

III.1 Physical Setting

Fill out table with relevant information. *Refer to Section 2.3.1 in the Technical Guidance Document (TGD).*

Name of Planned Community/Planning Area (if applicable)	City of Tustin
Location/Address	17802 Irvine Blvd
	Tustin, CA 92780
General Plan Land Use Designation	Existing land use: commercial and retail offices space Proposed land use: Residential
Zoning	
Acreage of Project Site	2.07 ac
Predominant Soil Type	Per TGD, Figure XVI-2a, NRCS Hydrologic Soils Groups the site is located within soil type B.

III.2 Site Characteristics

Fill out table with relevant information and include information regarding BMP sizing, suitability, and feasibility, as applicable. *Refer to Section 2.3.2 in the Technical Guidance Document (TGD).*

Site Characteristics	
Precipitation Zone	The site falls under the 0.75" zone per the TGD, Figure XVI-1, Rainfall Zones map.
Topography	The existing site is relatively flat with elevations ranging from approximately 139.5 feet to 137.6 feet above mean sea level. The northeast quadrant (approximately 0.5 acres) slopes from southwest to northeast through a gutter that drains to Irvine Blvd. The remainder of the site (approximately 1.5 acres) slopes from north to south and east to west to the ultimate low point of the

	site in the southwest corner.
Drainage Patterns/Connections	The northeast quadrant (approximately 0.5 acres) slopes from southwest to northeast through a gutter that drains to Irvine Blvd. Stormwater then travels east in the existing gutter of Irvine Blvd to an existing catch basin at Fashion Lane located approximately 700 feet east of the site, then continues to a City of Tustin storm drain which outlets at the Orange County Flood Control District (OCFCD) El Moderna-Irvine Channel. The remainder of the site (approximately 1.5 acres) slopes from north to south and east to west to the ultimate low point of the site in the southwest corner. Stormwater flows in an existing parking lot gutter within 17772 Irvine Blvd until it drains via an existing driveway in Prospect Avenue. Stormwater continues south in the existing Prospect Avenue gutter to a catch basin at First Street approximately 700 feet south of the site, then continues to a City of Tustin storm drain which also outlets at the OCDCD El Moderna-Irvine Channel. The proposed site will follow similar drainage pattern as the existing and is split between two drainage areas with catch basins in the north and southwest corners. Filter inserts or a Connector Pipe Screen will be installed on all catch basin and curb inlets to pretreat flows prior to out letting into the underground detention pipe system. Surface flows will be directed into an area drain system or into onsite curb and gutters which will convey the flow to the underground storm drain system. All flows will be conveyed to an infiltration detention pipe where water will be stored onsite until it can percolate into the ground. During a major storm event when the detention pipe fills to capacity, the stormwater will be directed to match the existing flow pattern. There are two emergency overflow locations. One is in the form of a parkway culvert on Irvine Blvd to the north. The second is through a grate inlet in the southwest corner, into a proposed gutter that will outlet to the existing parking lot gutter in 17772 Irvine Blvd. There is an existing easement for drainage purposes along the southern property line of 17772 Irvine Blvd. that will allow for emergency overflow drainage for the project site.
Soil Type, Geology, and Infiltration Properties	Per the *Geotechnical Evaluation* prepared by GeoTek, Inc. dated October 20, 2021 (see Attachment G for full report): "Artificial fill (asphalt concrete pavement sections consisting of asphalt concrete and aggregate base) was encountered at the surface of all of the exploratory and infiltration borings. As the project site contains existing structures, pavements, utilities and other infrastructure improvements, artificial fill is anticipated to be present in unexplored areas of the project site." "Alluvium was encountered beneath th4e pavement sections in all the

	exploratory and infiltration test borings. The alluvium was found to consist of intrerbedded layers of silty sands, relatively clean and gravelly sands and sandy gravels, (SM, SP, and GP soil types based upon the Unified Soil Classification System). The coarse-grained alluvium was found to be medium dense to very dense.
Hydrogeologic (Groundwater) Conditions	"Groundwater was not encountered within any of the test borings drilled at the site (maximum depth explored of 27 feet). Based on review of available data, it is estimated that the depth to high groundwater at the site is greater than about 50 feet below grade. Based on the results of the field exploration, review of site area geomorphology and geology, groundwater is not anticipated to adversely affect the proposed improvements."
Geotechnical Conditions (relevant to infiltration)	"In addition to the geotechnical exploratory borings, two borings (I-1 and I-2) were excavated in the area of the anticipated storm water control systems as designated by the project developer. The infiltration test borings were drilled to a depth of about 5 feet below the existing ground surfaces at the test locations. Infiltration/percolation testing was conducted in these borings in general accordance with the requirements of the County of Orange." "The results of the conversions indicate an infiltration rate of 1.76 inches per hour. Copies of the percolation data sheets and the Prochet infiltration rate conversions calculations are presented in Appendix C. No factors of safety were applied to the rates provided. Over the lifetime of the infiltration areas, the infiltration rates my be affected by sediment build up and biological activities, as well as local variations in near surface soil conditions. A suitable factor of safety should be applied to the field rate in designing the infiltration system." "It should be noted that the infiltration rates provided above were performed in relatively undisturbed on-site soils. Infiltration rates will vary and are mostly dependent on underlying consistency of the site soils and relative density. Infiltration rates may be impacted by weight of equipment travelling over the soils, placement of engineered fill and other various factors." Refer to Attachment F of this report for a copy of the referenced geotechnical recommendations. Note that further infiltration testing will be conducted during final engineering in the proposed locations and depths of infiltration.
Off-Site Drainage	In the existing condition, no off-site drainage enters the property
Utility and Infrastructure Information	The proposed development is designed to convey runoff mostly via surface drainage to drain inlets in the courts. Additional runoff in landscape areas will be conveyed via small area drain systems which will direct flows into the underground storm drain system. There are two emergency overflow locations. One is in the form of a parkway culvert on Irvine Blvd to the north. The second is through a grate inlet in the southwest corner, into a proposed gutter that will outlet to the existing parking lot gutter in 17772 Irvine Blvd.

	There is an existing easement for drainage purposes along the southern property line of 17772 Irvine Blvd. that will allow for emergency overflow drainage for the project site. The project site will contain underground utilities including a public domestic water system, a public sewer system, and dry utilities including electricity, gas, cable tv and telephone.

III.3 Watershed Description

Fill out table with relevant information and include information regarding BMP sizing, suitability, and feasibility, as applicable. *Refer to Section 2.3.3 in the Technical Guidance Document (TGD).*

Receiving Waters	Stormwater runoff from the site will travel through Irvine Blvd and Propsect Ave into city-owned catch basins and storm drain to outlet into the El Moderna-Irvine OCSD channel. The El Moderna-Irvine Channel outlets to Peters Canyon Channel, San Diego Creek, Upper Newport Bay then to the Pacific Ocean.
303(d) Listed Impairments	Peters Canyon Channel is listed for DDT, Indicator Bacteria, pH, and Toxaphene. San Diego Creek is listed for Fecal Coliform, Nutrients, Pesticides, Sedimentation/Siltation, Selenium, and Toxaphene. Upper Newport Bay is listed for Chlordane, Copper, DDT, Metals, Nutrients, PCBs, Pesticides, Sediment Toxicity, and Sedimentation/Siltation.
Applicable TMDLs	TMDLs listed for the Upper Newport Bay include Copper, Indicator Bacteria, Nutrients, Pesticides, and Sedimentation/Siltation.
Pollutants of Concern for the Project	Anticipated and Potential Pollutants of Concern for Attached Residential Development is Suspended Solid/Sediments, Pathogens (Bacteria/Virus), Nutrients (Oxygen Demanding Substances), Pesticides, Oil & Grease and Trash & Debris.
Environmentally Sensitive and Special Biological Significant Areas	The project is not located within any known Environmentally Sensitive Areas (ESA) or Areas of Special Biological Significance (ASBS).

Section IV Best Management Practices (BMPs)

IV. 1 Project Performance Criteria

Describe project performance criteria. Several steps must be followed in order to determine what performance criteria will apply to a project. These steps include:

- If the project has an approved WIHMP or equivalent, then any watershed specific criteria must be used and the project can evaluate participation in the approved regional or sub-regional opportunities. (Please ask your assigned planner or plan checker regarding whether your project is part of an approved WIHMP or equivalent.)
- Determine applicable hydromodification control performance criteria. *Refer to Section 7.II-2.4.2.2 of the Model WQMP.*
- Determine applicable LID performance criteria. *Refer to Section 7.II-2.4.3 of the Model WQMP.*
- Determine applicable treatment control BMP performance criteria. *Refer to Section 7.II-*3.2.2 *of the Model WQMP.*
- Calculate the LID design storm capture volume for the project. *Refer to Section 7.II-2.4.3 of the Model WQMP.*

(NOC Permit Area only) Is there an approved WIHMP or equivalent for the project area that includes more stringent LID feasibility criteria or if there are opportunities identified for implementing LID on regional or sub-regional basis?	YES ☐	NO ☒
If yes, describe WIHMP feasibility criteria or regional/sub-regional LID opportunities.	N/A	

Project Performance Criteria	
If HCOC exists, list applicable hydromodification control performance criteria (Section 7.II-2.4.2.2 in MWQMP)	Per Section II.3 of this WQMP, HCOCs are not considered.
List applicable LID performance criteria (Section 7.II-2.4.3 from MWQMP)	Per 7.II-2.4.3.2 of the Model WQMP, the available LID Treatment BMPs to be utilized in reducing the post-development impacts include infiltration, harvest and use, evapotranspiration, or biotreat/biofilter, of the 85th percentile of a 24-hour storm event.
List applicable treatment control BMP performance criteria (Section 7.II-3.2.2 from MWQMP)	Per 7.II-3.2.2 of the Model WQMP, if the LID performance criteria is not feasibly met by retention and/or biotreatment, then sizing of onsite treatment control BMPs are required. Sizing of these treatment control BMPs will include, if applicable, any Water Quality credits as calculated per the Technical Guidance Document. If the additional required volume can be met, and has a medium to high effectiveness for reducing the primary POCs, the project is considered to be in compliance; a waiver application and participation in an alternative program is not required. If the cost of providing treatment control BMPs greatly outweighs the pollution control benefits, a waiver of treatment control and LID requirements can be requested.
Calculate LID design storm capture volume for Project.	(Simple Method) $$DCV_{PROP} = (0.75 \times 0.90 + 0.15) \times 0.75 \times 2.07 \text{ ac} \times 43560 \text{ sf/ac} \times \frac{1}{12 \text{ in/ft}}$$ $$= \mathbf{4,649.3\ CF}$$

IV.2. Site Design and Drainage

Describe site design and drainage including

- A narrative of site design practices utilized or rationale for not using practices;
- A narrative of how site is designed to allow BMPs to be incorporated to the MEP
- A table of DMA characteristics and list of LID BMPs proposed in each DMA.
- Reference to the WQMP "BMP Exhibit."
- Calculation of Design Capture Volume (DCV) for each drainage area.
- A listing of GIS coordinates for LID and Treatment Control BMPs (unless not required by local jurisdiction).

Refer to Section 2.4.2 in the Technical Guidance Document (TGD).

The site will be comprised of two drainage management areas. The decision to utilize two drainage management areas for the entire site was based on a separately prepared hydrology report and represents historic flow paths. Refer to the Site & Drainage Plan in Attachment B.

In its proposed condition, underground storm facilities will be installed onsite. The street slopes onsite will convey the flows to catch basin inlets. Surface flows will be directed into an area drain piping system or into onsite curb and gutters which will convey the flow to an infiltration detention pipe system. Filter inserts or a Connector Pipe Screen will be installed on all catch basin and curb inlets to pretreat flows prior to out letting into the underground detention pipe system.

The infiltration pipe system is comprised of 100 ft. of perforated 72" ADS pipe installed into a 6.5' gravel bed. Flows will collect in the infiltration detention pipe system and will The infiltration pipe has been sized to accommodate more than the required design capture volume (4,649.3 CF)

Volume of pipe = **2,827 cf**

Volume of gravel bed around pipe = 8580 cf – 2827 cf = 5753 cf * 0.4 (void ratio) = **2,321 cf**

Total Volume captured by proposed infiltration detention pipe system = **5,128 cf**

See Attachment C for more detailed sizing calculations.

When the detention pipes fill to capacity the storm drain system will overflow to a parkway culvert in B Street which will then gutter flow to the inlet at the end of B Street and match existing flow patterns.

Drainage Area No. (DMA)	Area (ac)	DCV (cf)	Proposed BMPs
1	2.07	4,649.3 (INF-7)	INF-7, Underground Infiltration, MP-52, Drain Inserts
Σ	**2.01**	**5,128**	

IV.3 LID BMP Selection and Project Conformance Analysis

Each sub-section below documents that the proposed design features conform to the applicable project performance criteria via check boxes, tables, calculations, narratives, and/or references to worksheets. *Refer to Section 2.4.2.3 in the Technical Guidance Document (TGD) for selecting LID BMPs and Section 2.4.3 in the Technical Guidance Document (TGD) for conducting conformance analysis with project performance criteria.*

IV.3.1 Hydrologic Source Controls (HSCs)

If required HSCs are included, fill out applicable check box forms. If the retention criteria are otherwise met with other LID BMPs, include a statement indicating HSCs not required.

Name	Included?
Localized on-lot infiltration	☐
Impervious area dispersion (e.g. roof top disconnection)	☐
Street trees (canopy interception)	☐
Residential rain barrels (not actively managed)	☐
Green roofs/Brown roofs	☐
Blue roofs	☐
Impervious area reduction (e.g. permeable pavers, site design)	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐

IV.3.2 Infiltration BMPs

Identify infiltration BMPs to be used in project. If design volume cannot be met, state why.

Name	Included?
Bioretention without underdrains	☐
Rain gardens	☐
Porous landscaping	☐
Infiltration planters	☐
Retention swales	☐
Infiltration trenches	☐
Infiltration basins	☐
Drywells	☐
Subsurface infiltration galleries	☒
French drains	☐
Permeable asphalt	☐
Permeable concrete	☐
Permeable concrete pavers	☐
Other:	☐
Other:	☐

Show calculations below to demonstrate if the LID Design Storm Capture Volume can be met with infiltration BMPs. If not, document how much can be met with infiltration and document why it is not feasible to meet the full volume with infiltration BMPs.

The proposed development will utilize an underground infiltration system. The system will provide a total volume of 5,128 cf which is well over the required DCV drawdown volume of 4,649.3 cf and the simple DCV of 4,649.3 cf.

Refer to Attachment C for BMP calculations.

IV.3.3 Evapotranspiration, Rainwater Harvesting BMPs

If the full Design Storm Capture Volume cannot be met with infiltration BMPs, describe any evapotranspiration and/or rainwater harvesting BMPs included.

Name	Included?
All HSCs; *See Section IV.3.1*	☐
Surface-based infiltration BMPs	☐
Biotreatment BMPs	☐
Above-ground cisterns and basins	☐
Underground detention	☐
Other:	☐
Other:	☐
Other:	☐

Show calculations below to demonstrate if the LID Design Storm Capture Volume can be met with evapotranspiration and/or rainwater harvesting BMPs in combination with infiltration BMPs. If not, document below how much can be met with either infiltration BMPs, evapotranspiration, rainwater harvesting BMPs, or a combination, and document why it is not feasible to meet the full volume with these BMP categories.

Evapotranspiration, Rainwater Harvesting BMPs are not applicable to this project. Required treatment volume will be met through the use of infiltration BMPS which are higher in the preferred BMP hierarchy.

IV.3.4 Biotreatment BMPs

If the full Design Storm Capture Volume cannot be met with infiltration BMPs, and/or evapotranspiration and rainwater harvesting BMPs, describe biotreatment BMPs included. Include sections for selection, suitability, sizing, and infeasibility, as applicable.

Name	Included?
Bioretention with underdrains	☐
Stormwater planter boxes with underdrains	☐
Rain gardens with underdrains	☐
Constructed wetlands	☐
Vegetated swales	☐
Vegetated filter strips	☐
Proprietary vegetated biotreatment systems	☐
Wet extended detention basin	☐
Dry extended detention basins	☐
Other:	☐
Other:	☐

Show calculations below to demonstrate if the LID Design Storm Capture Volume can be met with infiltration, evapotranspiration, rainwater harvesting and/or biotreatment BMPs. If not, document how much can be met with either infiltration BMPs, evapotranspiration, rainwater harvesting BMPs, or a combination, and document why it is not feasible to meet the full volume with these BMP categories.

Biotreatment BMPs are not applicable to this project. Required treatment volume will be met with the use of infiltration BMP which is higher in the hierarchy of preferred BMPs.

IV.3.5 Hydromodification Control BMPs

Describe hydromodification control BMPs. *See Section 5 of the Technical Guidance Document (TGD).* Include sections for selection, suitability, sizing, and infeasibility, as applicable. Detail compliance with Prior Conditions of Approval (if applicable).

Hydromodification Control BMPs	
BMP Name	**BMP Description**
N/A	N/A

IV.3.6 Regional/Sub-Regional LID BMPs

Describe regional/sub-regional LID BMPs in which the project will participate. *Refer to Section 7.II-2.4.3.2 of the Model WQMP.*

Regional/Sub-Regional LID BMPs
N/A

IV.3.7 Treatment Control BMPs

Treatment control BMPs can only be considered if the project conformance analysis indicates that it is not feasible to retain the full design capture volume with LID BMPs. Describe treatment control BMPs including sections for selection, sizing, and infeasibility, as applicable.

Treatment Control BMPs	
BMP Name	**BMP Description**
N/A	N/A

IV.3.8 Non-structural Source Control BMPs

Fill out non-structural source control check box forms or provide a brief narrative explaining if non-structural source controls were not used.

Non-Structural Source Control BMPs				
Identifier	**Name**	**Check One**		**If not applicable, state brief reason**
		Included	**Not Applicable**	
N1	Education for Property Owners, Tenants and Occupants	☒	☐	
N2	Activity Restrictions	☒	☐	
N3	Common Area Landscape Management	☒	☐	
N4	BMP Maintenance	☒	☐	
N5	Title 22 CCR Compliance (How development will comply)	☒	☐	
N6	Local Industrial Permit Compliance	☐	☒	Residential project
N7	Spill Contingency Plan	☐	☒	No hazardous materials expected onsite
N8	Underground Storage Tank Compliance	☐	☒	No storage tanks onsite
N9	Hazardous Materials Disclosure Compliance	☐	☒	No hazardous materials expected onsite
N10	Uniform Fire Code Implementation	☒	☐	
N11	Common Area Litter Control	☒	☐	
N12	Employee Training	☒	☐	
N13	Housekeeping of Loading Docks	☐	☒	Residential project; no loading docks onsite
N14	Common Area Catch Basin Inspection	☒	☐	
N15	Street Sweeping Private Streets and Parking Lots	☒	☐	
N16	Retail Gasoline Outlets	☐	☒	No proposed gasoline outlet

IV.3.9 Structural Source Control BMPs

Fill out structural source control check box forms or provide a brief narrative explaining if structural source controls were not used.

Structural Source Control BMPs				
Identifier	**Name**	**Check One**		**If not applicable, state brief reason**
		Included	**Not Applicable**	
S1	Provide storm drain system stenciling and signage	☒	☐	
S2	Design and construct outdoor material storage areas to reduce pollution introduction	☐	☒	No proposed outdoor storage areas
S3	Design and construct trash and waste storage areas to reduce pollution introduction	☐	☒	Individual unit trash collection
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control	☒	☐	
S5	Protect slopes and channels and provide energy dissipation	☐	☒	No slopes/channels proposed.
	Incorporate requirements applicable to individual priority project categories (from SDRWQCB NPDES Permit)	☒	☐	
S6	Dock areas	☐	☒	Residential project; No docks
S7	Maintenance bays	☐	☒	Residential project; No maintenance bays
S8	Vehicle wash areas	☐	☒	No proposed vehicle wash areas
S9	Outdoor processing areas	☐	☒	No proposed outdoor processing areas
S10	Equipment wash areas	☐	☒	No proposed equipment wash areas
S11	Fueling areas	☐	☒	Residential project. No proposed fueling areas
S12	Hillside landscaping	☐	☒	Project not located within hillside area.
S13	Wash water control for food preparation areas	☐	☒	No proposed food prep areas.
S14	Community car wash racks	☐	☒	No proposed community car wash areas.

IV.4 Alternative Compliance Plan (If Applicable)

IV.4.1 Water Quality Credits

Determine if water quality credits are applicable for the project. *Refer to Section 3.1 of the Model WQMP for description of credits and Appendix VI of the Technical Guidance Document (TGD) for calculation methods for applying water quality credits.*

<table>
<tr><th colspan="5">Description of Proposed Project</th></tr>
<tr><td colspan="5">Project Types that Qualify for Water Quality Credits (Select all that apply):</td></tr>
<tr><td>☐Redevelopment projects that reduce the overall impervious footprint of the project site.</td><td colspan="2">☐Brownfield redevelopment, meaning redevelopment, expansion, or reuse of real property which may be complicated by the presence or potential presence of hazardous substances, pollutants or contaminants, and which have the potential to contribute to adverse ground or surface WQ if not redeveloped.</td><td colspan="2">☐ Higher density development projects which include two distinct categories (credits can only be taken for one category): those with more than seven units per acre of development (lower credit allowance); vertical density developments, for example, those with a Floor to Area Ratio (FAR) of 2 or those having more than 18 units per acre (greater credit allowance).</td></tr>
<tr><td colspan="2">☐ Mixed use development, such as a combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that can demonstrate environmental benefits that would not be realized through single use projects (e.g. reduced vehicle trip traffic with the potential to reduce sources of water or air pollution).</td><td colspan="2">☐ Transit-oriented developments, such as a mixed use residential or commercial area designed to maximize access to public transportation; similar to above criterion, but where the development center is within one half mile of a mass transit center (e.g. bus, rail, light rail or commuter train station). Such projects would not be able to take credit for both categories, but may have greater credit assigned</td><td>☐ Redevelopment projects in an established historic district, historic preservation area, or similar significant city area including core City Center areas (to be defined through mapping).</td></tr>
<tr><td>☐Developments with dedication of undeveloped portions to parks, preservation areas and other pervious uses.</td><td>☐ Developments in a city center area.</td><td>☐ Developments in historic districts or historic preservation areas.</td><td>☐ Live-work developments, a variety of developments designed to support residential and vocational needs together – similar to criteria to mixed use development; would not be able to take credit for both categories.</td><td>☐In-fill projects, the conversion of empty lots and other underused spaces into more beneficially used spaces, such as residential or commercial areas.</td></tr>
<tr><td>Calculation of Water Quality Credits
(if applicable)</td><td colspan="4">The entire DCV for the project is being treated by a LID BMP. Water quality credits will not be used.</td></tr>
</table>

IV.4.2 Alternative Compliance Plan Information

Describe an alternative compliance plan (if applicable). Include alternative compliance obligations (i.e., gallons, pounds) and describe proposed alternative compliance measures. *Refer to Section 7.II 3.0 in the Model WQMP.*

N/A

Section V Inspection/Maintenance Responsibility for BMPs

Fill out information in table below. Prepare and attach an Operation and Maintenance Plan. Identify the funding mechanism through which BMPs will be maintained. Inspection and maintenance records must be kept for a minimum of five years for inspection by the regulatory agencies. *Refer to Section 7.II 4.0 in the Model WQMP.*

BMP Inspection/Maintenance			
BMP	**Reponsible Party(s)**	**Inspection/ Maintenance Activities Required**	**Minimum Frequency of Activities**
Education for Property Owners, Tenants, & Occupants (N1) and (N12)	HOA and individual homeowners	WQMP to be a part of Title Documents as part of purchase. HOA to give yearly report to residents.	As needed for property sales and once a year for reporting to residents.
Activity Restrictions (N2)	HOA	CC&Rs provided at time of sale and will identify activity restrictions for property and the neighbourhood.	CC&Rs provided with property sales. Issue letters of non-compliance, as needed by HOA.
Common Area Landscape Management (N3)	HOA	HOA or appointed Property management company to provide maintenance of landscaping to meet current water efficiency and keep plants healthy and bio areas maintained with proper soil amendments.	Regular maintenance once a week and monthly inspections to determine deficiencies.
BMP Maintenance (N4)	HOA	HOA or appointed Property management company to provide maintenance of BMPs per the requirements of the WQMP.	Regular maintenance once a week and monthly inspections to determine deficiencies
Common Area Litter Control (N11)	HOA	HOA or appointed Property Management Company to provide maintenance and to empty common area trash cans.	Regular maintenance once a week.
Common Area Catch Basin Inspection (N14)	HOA	HOA or appointed Property Management Company to provide	Implemented as needed.

		maintenance and to inspect for obstruction and build-up	
Street Sweeping Private Streets and Parking Lots (N15)	HOA	HOA or appointed Property Management Company to provide maintenance of Private Streets.	Regular street sweeping once a month.
Efficient Irrigation Systems & Landscape Design (S4)	HOA	HOA or appointed Property Management Company to provide maintenance of landscaping to meet current water efficiency standards, and keep plants healthy.	Regular maintenance once a week and monthly inspection to determine deficiencies.
Underground Infiltration System (INF-7)	HOA	HOA or appointed property management company to provide maintenance of the system. Inspect to asses accumulated sediment or any blockage of perforated piping after storm events. Repair as needed	Inspection performed annually and before and after every rainy season. Cleaning to be done at discretion of Intracorp. Maintenance should be scheduled during dry season.

Section VI BMP Exhibit (Site Plan)

VI.1 BMP Exhibit (Site Plan)

*See WQMP Exhibit in Attachment B

VI.2 Submittal and Recordation of Water Quality Management Plan

Following approval of the Final Project-Specific WQMP, three copies of the approved WQMP (including BMP Exhibit, Operations and Maintenance (O&M) Plan, and Appendices) shall be submitted. In addition, these documents shall be submitted in a PDF format.

Each approved WQMP (including BMP Exhibit, Operations and Maintenance (O&M) Plan, and Appendices) shall be recorded in the Orange County Clerk-Recorder's Office, prior to close-out of grading and/or building permit. Educational Materials are not required to be included.

Section VII Educational Materials

Refer to the Orange County Stormwater Program (ocwatersheds.com) for a library of materials available. Please only attach the educational materials specifically applicable to this project. Other materials specific to the project may be included as well and must be attached.

Education Materials			
Residential Material (http://www.ocwatersheds.com)	**Check If Applicable**	**Business Material (http://www.ocwatersheds.com)**	**Check If Applicable**
The Ocean Begins at Your Front Door	☒	Tips for the Automotive Industry	☐
Tips for Car Wash Fund-raisers	☐	Tips for Using Concrete and Mortar	☐
Tips for the Home Mechanic	☒	Tips for the Food Service Industry	☐
Homeowners Guide for Sustainable Water Use	☒	Proper Maintenance Practices for Your Business	☐
Household Tips	☒	**Other Material**	**Check If Attached**
Proper Disposal of Household Hazardous Waste	☒		
Recycle at Your Local Used Oil Collection Center (North County)	☒		☐
Recycle at Your Local Used Oil Collection Center (Central County)	☐		☐
Recycle at Your Local Used Oil Collection Center (South County)	☐		☐
Tips for Maintaining a Septic Tank System	☐		☐
Responsible Pest Control	☒		☐
Sewer Spill	☐		☐
Tips for the Home Improvement Projects	☒		☐
Tips for Horse Care	☐		☐
Tips for Landscaping and Gardening	☒		☐
Tips for Pet Care	☒		☐
Tips for Pool Maintenance	☒		☐
Tips for Residential Pool, Landscape and Hardscape Drains	☒		☐
Tips for Projects Using Paint	☒		☐

Attachment A
TGD Worksheets & Figures

Table 2.7: Infiltration BMP Feasibility Worksheet

	Infeasibility Criteria	*Yes*	*No*
□	**Would Infiltration BMPs pose significant risk for groundwater related concerns?** R□□□r □□ A□□□ndi□ □ll □□□ □r□□□□□□□l□□□r □□id□n□□ □n □r□□nd□ □□□r□r□□□□□d in□□r□□i□n □□□□i□i□□□ □ri□□ri□□		□
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□	□ □□d In□□r□□i□n □M□□ **pose significant risk of increasing risk of geotechnical hazards that cannot be mitigated to an acceptable level**□ □□□ □□i□□□□ □n□□ □r □□□ □n□ □□□□□□ □□□□□□□in□ □□□□□i□n □i□ □□□□□□□ □□□□□□i□□□d □□ □ □□□□□□□□ni□□□□□□□r□□□ • T□□ □M□ □□n □n□□ □□ □□□□□□d □□□□ □□□n □□ □□□□ □□ □□ r□□ □□□□□□□ □□□□□□r □□□n □□ □r□□n□ • T□□ □M□ □□n □n□□ □□ □□□□□□d □□□□ □□□n □i□□□□□□□□ r□□ □□i□din□ □□□nd□i□n□ □r □n □□□rn□i□□ □□□□□□□□□ • A □□d□ □r□□□r□d □□ □ □□□□□□□□ni□□□□r□□□□i□n□□□r □n □□□i□□□□ □ □□□r□□□d □□d□ □□□□□□n i□□□□ □□□□ □□□r□ □ □□□r in□□r□□i□n □ □□d □□□□n i□□□r□□□□in □i□ni□i□□n□□□in□r□□□□d ri□□□ □□□□□□□□□□ni□□□□□□□rd□ □□□□□□□nn□□□□ □ii□□□d □□ □n □□□□□□□□□□ □□□□□□
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Table 2.7: Infiltration BMP Feasibility Worksheet (continued)

	Partial Infeasibility Criteria	*Yes*	*No*
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□	I□ **measured infiltration rate below proposed facility less than 0.3 inches per hour**□ T□i□ □□□□□□□□□□i□n □□□□□□□□ □□□□d □n □□□□ □ □□□□□d□d□□□ri□□d in A□□□ndi□ □ll□		□
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□	□ □□d **reduction of over predeveloped conditions cause impairments to downstream beneficial uses, such as change of seasonality of ephemeral washes or increased discharge of contaminated groundwater to surface waters?**		□
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□	□ □□d **an increase in infiltration over predeveloped conditions cause impairments to downstream beneficial uses, such as change of seasonality of ephemeral washes or increased discharge of contaminated groundwater to surface waters?**		□
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Table 2.7: Infiltration BMP Feasibility Worksheet (continued)

Infiltration Screening Results (check box corresponding to result):		
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□□	I□□n□ □n□□ □r r□□ r□□ □□□i□ □□□□in i□□r□i□n i□ **permissible but is not presumed to be feasible for the entire DCV.** □ri□ri□ □r d□□i□nin□ □i□r□□□□ □n□□M□□ □□ □□□i□□□ □□□ □ □□i□ □□ □□□□i□□□ in i□□r□i□n □nd ET □□□□□□□□□□□□ □r□id□ □□□i□□	N□
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Worksheet B: Simple Design Capture Volume Sizing Method

Step 1: Determine the design capture storm depth used for calculating volume				
1	Enter design storm depth for 24-hour 85th percentile storm event. For Fig. III-1 use d_{HSC} in inches	d_{HSC}	inches	inches
2	Enter area draining to the BMP in acres, or leave blank to use total project area	d_{HSC}	acres	inches
3	Optional: enter the remainder storm depth for the 24-hour 85th percentile storm event, $d_{remainder}$ in inches, or leave blank to use 0.75 inches	$d_{remainder}$	inches	inches
Step 2: Calculate the DCV				
1	Enter total project area in acres	A	acres	acres
2	Enter effective impervious fraction, or calculate as the ratio of A_{imp} to A	imp	unitless	
3	Optional: runoff coefficient calculated as $C = (0.75 \times imp) + 0.15$	C	unitless	
4	Optional: runoff volume calculated as $V_{design} = (C \times d_{remainder} \times A \times 43560 \times (1/12))$	V_{design}	cubic feet	cubic feet
Step 3: Design BMPs to ensure full retention of the DCV				
Step 3a: Determine design infiltration rate				
1	Enter measured infiltration rate, $K_{measured}$ in inches per hour (Appendix VII)	$K_{measured}$	inches per hour	In/hr
2	Enter combined safety factor for the infiltration facility, S_{final} (Appendix VII)	S_{final}	unitless	
3	Optional: design infiltration rate calculated as $K_{design} = K_{measured} / S_{final}$	K_{design}	inches per hour	In/hr
Step 3b: Determine minimum BMP footprint				
4	Enter drawdown time for BMP, T (48 hours maximum)	T	hours	hours
5	Optional: maximum design capture storm depth for drawdown time calculated as $D_{max} = K_{design} \times T \times (1/12)$	D_{max}	inches	inches
6	Optional: minimum BMP footprint required to fully retain the DCV, $A_{min} = V_{design} / d_{max}$	A_{min}	square feet	square feet

Worksheet C: Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs

Step 1: Determine the design capture storm depth used for calculating volume				
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Step 2: Calculate the DCV				
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□	En□r □r□□□□ □r□i□n *imp* ni□	i□ □	□□	
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Supporting Calculations				
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Worksheet C: Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs

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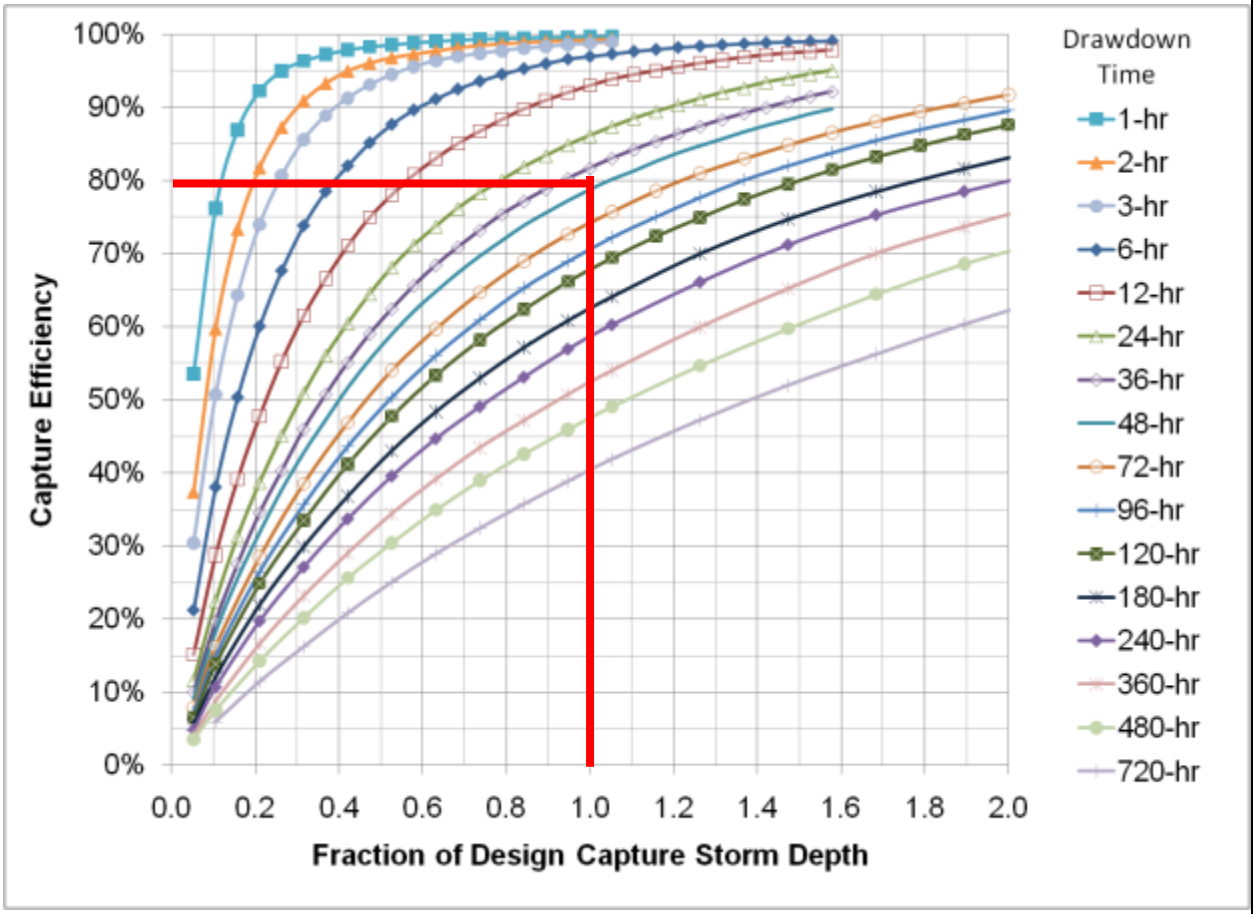
Graphical Operations



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Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet

Factor Category		Factor Description	Applied Safety Factor	Factor Selected	Reduced Infiltration Rate
A	Suitability Assessment	Soil assessment methods			
		Predominant soil texture			
		Site soil variability			
		Depth to groundwater / impervious layer			
		Suitability Assessment Safety Factor (SA)			
B	Design	Tributary area size			
		Level of pretreatment/ expected sediment loads			
		Redundancy/resubmittal			
		Compaction during construction			
		Design Safety Factor (S_B)			
Combined Safety Factor (S_{TOT})					
Measured Infiltration Rate (I_M) recorded in the percolation test data sheets					
Design Infiltration Rate (I_{DESIGN})					

Supporting Data

Briefly describe infiltration testing and provide reference to worksheets, calculations, and figures:

Per the Riverside County Low Impact Development BMP Design Handbook, Appendix VII, Infiltration Testing Methods for Estimating Infiltration Rates:

"In addition to the above mentioned testing methods, the Porchet Method can be used to analyze percolation test data collected from exploratory borings. This method requires that a hole be bored or dug to the proposed depth of the infiltration BMP. The hole must be filled with water at least twice and the time required for the water level to fall a given depth recorded. The change in water level over time is then used to calculate the infiltration rate. This method is applicable to sites where the soil profile is relatively uniform and the wetted surface area during the test period is entirely in the desired infiltration stratum. The presence of a restrictive layer (e.g., hardpan, clay layer) within the anticipated wetted area may limit the infiltration rate and render the test inaccurate."

"The results of the conversions indicate an infiltration rate of 1.76 inches per hour. Copies of the percolation data sheets and the Prochet infiltration rate conversions calculations are presented in Appendix C. No factors of safety were applied to the rates provided. Over the lifetime of the infiltration areas, the infiltration rates my be affected by sediment build up and biological activities, as well as local variations in near surface soil conditions. A suitable factor of safety should be applied to the field rate in designing the infiltration system."

SUMMARY OF RESULTS	
Boring	**Measured Infiltration Rate (inches per hour)**
B1	1.76
B2	1.76

Recommended safe infiltration rate presented herein may require reduction depending upon the infiltration facility design as determined by the project civil engineer.

Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet

Factor Category	Factor Description	Assigned Weight	Factor Score	Product (Score x Weight)
Undisturbed Soil Infiltration Rate	Infiltration rate measured in accordance with Appendix D of the Technical Guidance Manual			
Design Infiltration Rate	Infiltration rate measured in accordance with Appendix D of the Technical Guidance Manual and reduced by a factor of safety			
Additional Infiltration Testing	Additional infiltration testing and/or modeling conducted			

Refer to the Technical Guidance Manual for Factor of Safety and Design Infiltration Rate Selection Guidance

INFILTRATION SYSTEM CALCULATIONS

$K_{MEASURED}$	1.76	
S_{TOT}	2	
K_{DESIGN}	0.88	in/hr
d	0.75	in
DCV_{SIMPLE}	4649.3	cf

DCV Constant Drawdown

$A_{FOOTPRINT}$	1320	sf
d_{SYSTEM}	10.80	in
T	12.27	hr
X_1	1	(from Graph)
X_2	0	
$X_1 - X_2$	1	
$d_{FRACTION}$	0.75	in
A_{TOTAL}	2.07	ac
imp	0.9	
C	0.825	
DCV	**4649.35**	cf

d_{SYSTEM}	42.27	in
T	**48.03**	hr
%	3.91	(Estimated vs Calculated Drawdown)

PIPE

$Ø_{PIPE}$	6	ft
A_{PIPE}	28.27	sf
L_{PIPE}	**100**	ft
V_{PIPE}	2827.43	CF

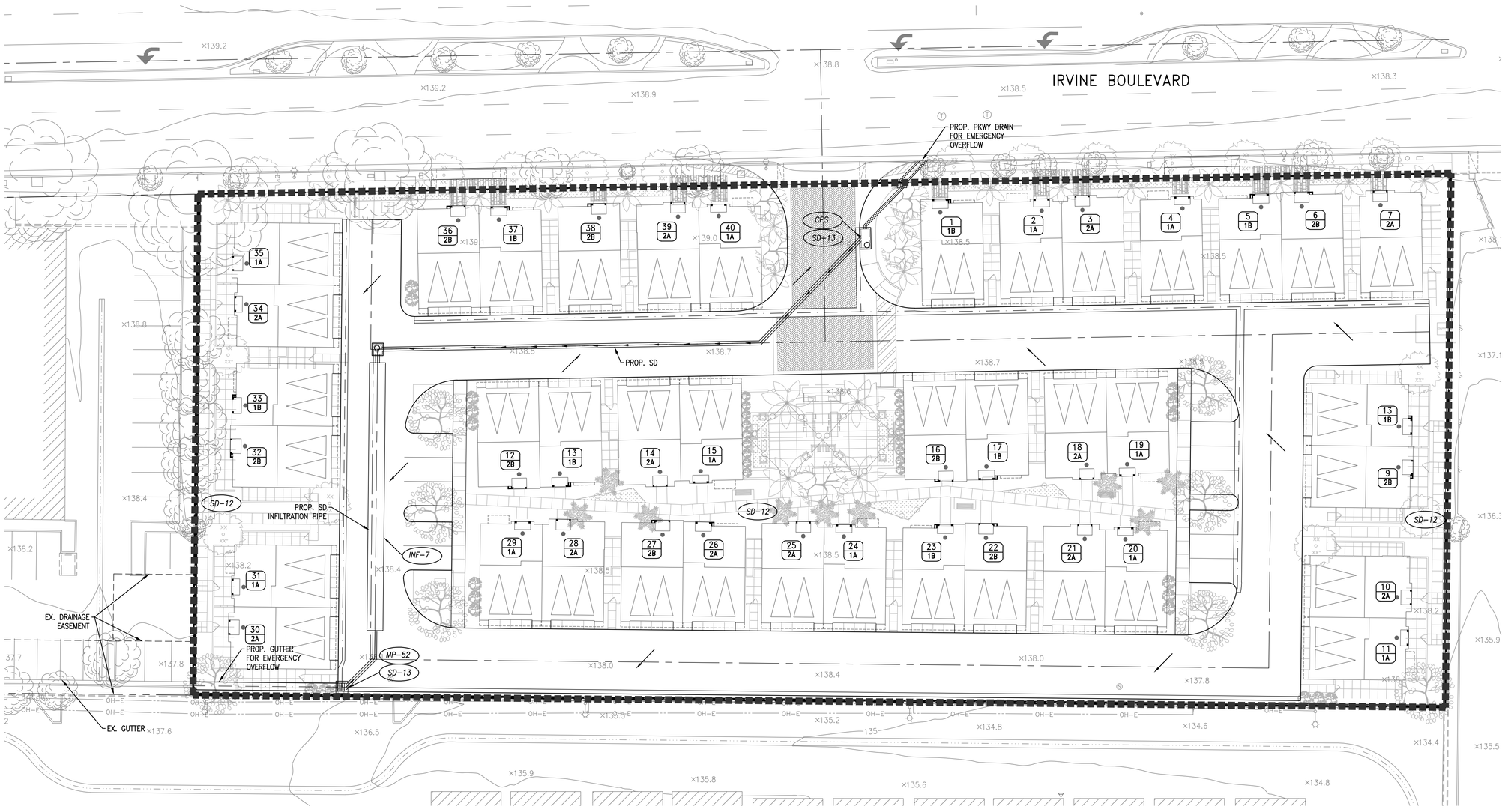
GRAVEL

$A_{FOOTPRINT}$	1320	sf
Void Ratio	0.4	
H	6.5	ft

V_{TOTAL}	**5128.46**	>	4649.3	cf	DCV Constant
		>	4649.3	cf	DCV Simple

Attachment B
WQMP Exhibit

PWQMP SITE PLAN



SITE DESIGN BMPs

SITE TOTAL AREA (90,169 SF – 2.07 AC)

IMPERVIOUS AREA (HARDSCAPE 238,430 SF – 5.47 AC – 80%)

PERVIOUS AREA (LANDSCAPE 58,345 SF – 1.34 AC – 20%)

- *SURFACE FLOW DIRECTION*
- *PIPE FLOW DIRECTION*
- *PRIVATE STORM DRAIN*
- *DRAINAGE MANAGEMENT AREA BORDER*

INF-7	UNDERGROUND INFILTRATION
SD-12	EFFICIENT IRRIGATION
SD-13	STORM DRAIN SYSTEM SIGNAGE
MP-52	*DRAIN INSERTS*
CPS	CONNECTOR PIPE SCREEN (CPS, SEE REPORT FOR ADDITIONAL INFORMATION)

1" = 20'

0 10 20 40

CITY OF TUSTIN DEPARTMENT OF COMMUNITY DEVELOPMENT/ PLANNING & ZONING DIVISION	PROJECT NO. INTR-011
TENTATIVE TRACT MAP 19224 TUSTIN A 17802 IRVINE BOULEVARD, TUSTIN, CA	SHEET 1 OF 1

P:\JOBS-011\DWG\SHEETS\DAVIS-PWQMP.DWG
BY: LUCAS BOOKER

Attachment C
BMP Fact Sheets & Details

TECHNICAL NOTE

Rainwater Harvesting with HDPE Pipe Cisterns

TN 7.01
January 2009

Introduction

For the past several years, the use of smooth interior corrugated high density polyethylene (HDPE) pipe has been a viable alternative for the control of stormwater quality through underground systems. Typically, stormwater has either been infiltrated through perforated pipe or detained in solid pipe and then discharged at a controlled rate to the local storm sewer system or tributary. In both situations, the design did not provide for the potential reuse of stormwater. There is a growing demand for the construction industry to provide for resource reuse. In some situations, the reuse is being driven by a regulatory requirement. In many cases, the reuse of resources can provide an economic benefit. This is especially applicable to stormwater in areas where water resources are at a premium. Water reclamation should be considered in situations where infiltration is not feasible due to site constraints. This document provides information on the installation, storage capacity and system layouts for rainwater harvesting systems using ADS HDPE pipe cisterns.

HDPE Pipe Cisterns

ADS HDPE N-12 pipe is the building block of our cisterns. The Specifications section of the Drainage Handbook provides additional information on pipe dimensions and properties. The pipe has a smooth inner wall and a corrugated outer wall. The smooth inner wall combines superior hydraulics and the ability to resist abrasion and corrosion. The corrugated outer wall provides the strength necessary to withstand heavy traffic loads with varying cover heights. In addition to pipe, the ADS cistern uses specially designed manifolds and other fittings to complete the pipe component of the cistern. ADS can assist with system layout including pipe and necessary components for the cistern.

System Layout

A typical cistern layout includes at least one inlet into the system. This inlet can be on the cistern manifold as shown below or can be done on a lateral. Further, the inlet can be accomplished via a pre-fabricated stub or with a reducer and tee fittings in the system corner. Both inlet types are shown below. When designing system inlets, attention should be given to the hydraulic grade line of the site to limit or prevent conveyance system surcharging.

The outlet of the cistern should be directed to a reinforced concrete manhole. The manhole should be reinforced to limit the effects of vibration from the pump system. The outlet invert should be the same as the pipe invert elevation to ensure that the entire system is able to drain. An underdrain should be installed within the stone backfill of the cistern. The invert of the underdrain should be at the bottom of the stone backfill envelope. The underdrain from the stone backfill should be directed to the outlet manhole so that the stone backfill can be completely drained.

The outlet manhole serves multiple purposes. In addition to acting as an outlet structure, the manhole also houses a discharge pump (designed by others) to remove stormwater from the cistern. Installing a pump within the system piping or pumping directly from piping is not recommended for hydraulic reasons. The manhole should be located outside the footprint of the thermoplastic liner as shown in the detail below.

The outlet manhole will also include the cistern overflow. It is recommended that an overflow be incorporated into the system in the event that the cistern is not completely emptied between storm events. If the cistern is not completely empty and there is no overflow, the potential exists for the entire system to be surcharged and flooding could occur. The invert of the overflow should be set at the top of the cistern.

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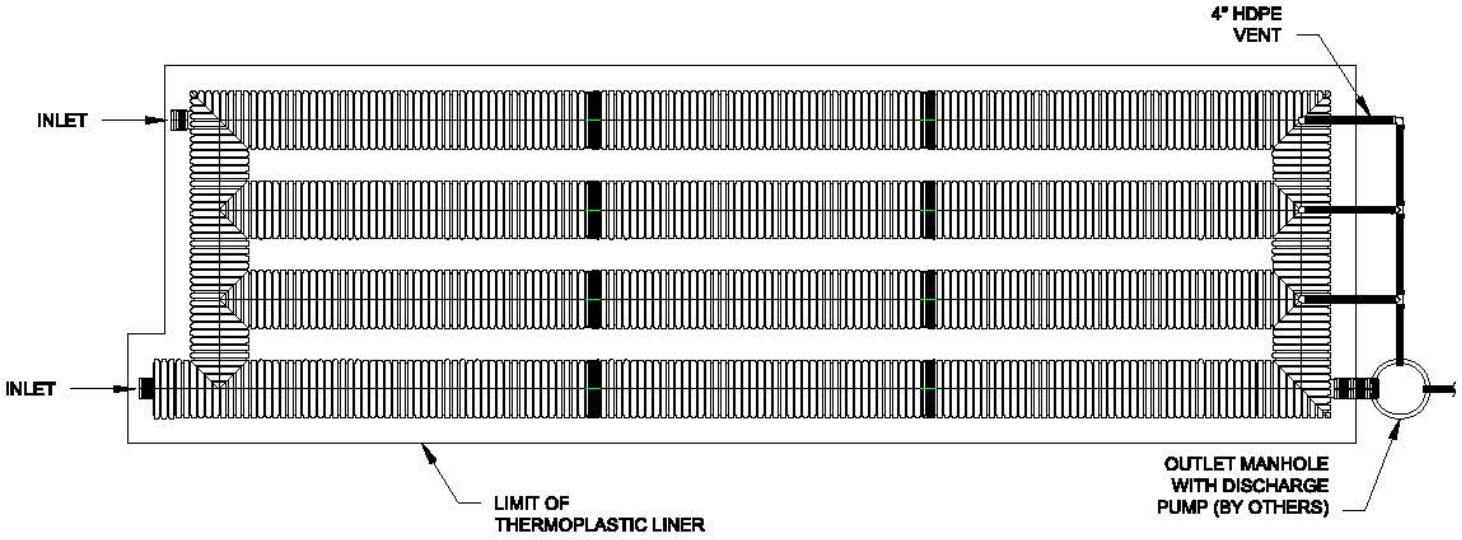
Lastly, the outlet manhole can also include a vent from the system. System venting is recommended to allow adequate airflow through the cistern and equalize air pressures within the cistern. If not vented, there can be issue with cistern pressures under some circumstances. In the sample layout shown below, the system includes a 4-inch HDPE vent line leading from the cistern to the outlet manhole. To prevent backflow into the cistern through the vent, it is recommended that the vent be located above the crown of the overflow pipe. The use of a vent is recommended for installations in which the cistern is encased within the thermoplastic liner. For cisterns that are not completely encased within the thermoplastic liner, the use of a vent is at the engineer's discretion.

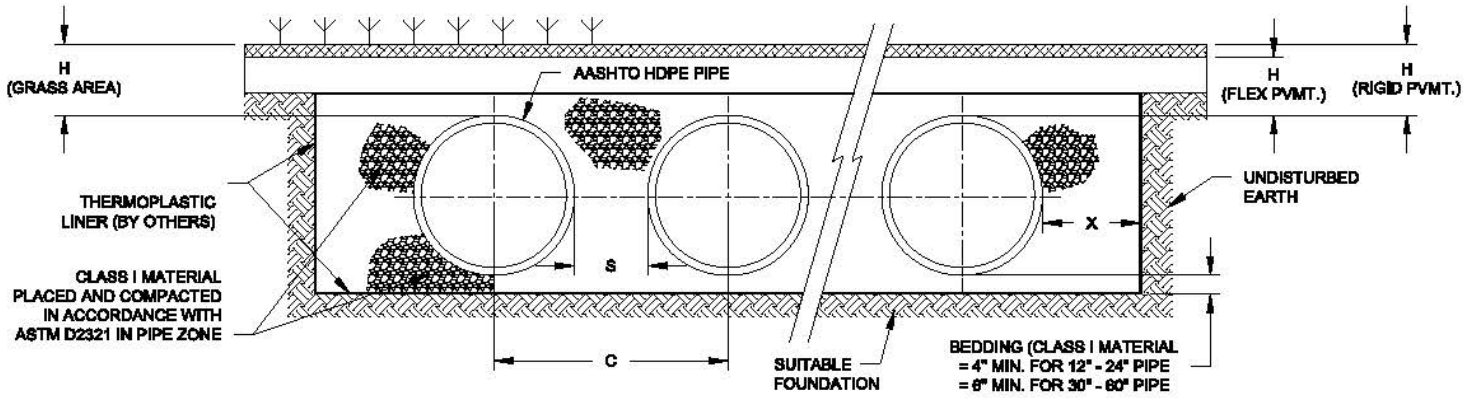
Figure 1
Example Cistern Layout



© ADS 2009

Figure 3
Typical Cistern Cross Section

Note: This is a typical cross section only. See Structures, Section 2, or Installation, Section 5, of the Drainage Handbook for specific installation guidelines.



Thermoplastic Liner

ADS does not design, fabricate, install or sell thermoplastic liners. The following product details are based on information supplied and published by thermoplastic liner manufacturers. Generally speaking, there are two liner materials that are suitable for this application: polyvinyl chloride (PVC) and linear low density polyethylene (LLDPE). PVC liners are easy to install making it a low cost alternative. Some PVC liners contain fillers and plasticizers. Under prolonged exposure to sunlight, these compounds can leach from the liner. With use in a cistern application, exposure from sunlight is not a concern since the system is located underground. The LLDPE is an inert material that is suitable for the storage of stormwater and would be acceptable for this application. Medium and high density liners are also available but are not as flexible as the low density product and are typically higher in cost.

For any liner, puncture resistance needs to be considered. This can be addressed by the placement of non-woven geotextile on either side of the membrane. The liner seam, if applicable, should be watertight to maintain the integrity of the system. Pipe "boots" need to be pre or field fabricated for locations where system piping is either entering or exiting the cistern footprint, i.e. inlet and outlet piping. A detail depicting the liner "boot" is shown as Figure 4. The other factor that needs to be considered when using a thermoplastic liner is the seasonal high water table. High water tables can create excessive hydrostatic pressure and potentially damage the liner.

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INF-7: Underground Infiltration

Underground infiltration is a vault or chamber with an open bottom that used to store runoff and percolate into the subsurface. A number of vendors offer proprietary infiltration products that allow for similar or enhanced rates of infiltration and subsurface storage while offering durable prefrabricated structures. There are many varieties of proprietary infiltration BMPs that can be used for roads and parking lots, parks and open spaces, single and multi-family residential, or mixed-use and commercial uses.

Also known as:

- *Infiltration vault*
- *Recharge vault*



Underground Infiltration

Source: http://www.contech-cpi.com

Feasibility Screening Considerations

- Infiltration bains shall pass infeasible screening criteria to be considered for use.
- Underground infiltration galleries pose a potential risk of groundwater contamination; pretreatment should be used.

Opportunity Criteria

- Soils are adequate for infiltration or can be amended to provide an adequate infiltration rate.
- Appropriate for sites with limited surface space.
- Can be placed beneath roads, parking lots, parks, and athletic fields.
- Potential for groundwater contamination can be mitigated through isolation of pollutant sources, pretreatment of inflow, and/or demonstration of adequate treatment capacity of underlying soils.
- Infiltration is into native soil, or depth of engineered fill is ≤ 5 feet from the bottom of the facility to native material and infiltration into fill is approved by a geotechnical professional.
- Tributary area land uses include mixed-use and commercial, sngle-family and multi-family, roads and parking lots, and parks and open spaces. High pollutant land uses should not be tributary to infiltration BMPs.

OC-Specific Design Criteria and Considerations

- ☐ Placement of BMPs should observe geotechnical recommendations with respect to geological hazards (e.g. landslides, liquefaction zones, erosion, etc.) and set-backs (e.g., foundations, utilities, roadways, etc.)
- ☐ Minimum separation to mounded seasonally high groundwater of 10 feet shall be observed.
- ☐ Minimum pretreatment should be provided upstream of the infiltration facility, and water bypassing pretreatment should not be directed to the facility.
- ☐ Underground infiltration should not be used for drainage areas with high sediment production potential unless preceded by full treatment control with a BMP effective for sediment removal.
- ☐ Design infiltration rate should be determined as described in **Appendix VII**.
- ☐ Inspection ports or similar design features shall be provided to verify continued system performance and identify need for major maintenance.

☐ For infiltration facilities beneath roads and parking areas, structural requirements should meet H-20 load requirements.

Computing Underground Infiltration Device Size

Underground infiltration devices vary by design and by proprietary designs. The sizing method selected for use must be based on the BMP type it most strongly resembles.

- For underground infiltration devices with open pore volume (e.g., vaults, crates, pipe sections, etc), sizing will be most similar to infiltration basins.
- For underground infiltration devices with pore space (e.g., aggregate reservoirs), sizing will be most similar to permeable pavement.

Additional References for Design Guidance

- Los Angeles Unified School District (LAUSD) Stormwater Technical Manual, Chapter 5: http://www.laschools.org/employee/design/fs-studies-and-reports/download/white_paper_report_material/Storm_Water_Technical_Manual_2009-opt-red.pdf?version_id=76975850

Efficient Irrigation SD-12



Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Designing New Installations

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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CALIFORNIA STORMWATER QUALITY ASSOCIATION

- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Efficient Irrigation SD-12



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CALIFORNIA STORMWATER QUALITY ASSOCIATION

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  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
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Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Storm Drain Signage SD-13



Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include "NO DUMPING

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION

– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.

- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Drain Inserts MP-52

Description

Drain inserts are manufactured filters or fabric placed in a drop inlet to remove sediment and debris. There are a multitude of inserts of various shapes and configurations, typically falling into one of three different groups: socks, boxes, and trays. The sock consists of a fabric, usually constructed of polypropylene. The fabric may be attached to a frame or the grate of the inlet holds the sock. Socks are meant for vertical (drop) inlets. Boxes are constructed of plastic or wire mesh. Typically a polypropylene "bag" is placed in the wire mesh box. The bag takes the form of the box. Most box products are one box; that is, the setting area and filtration through media occur in the same box. Some products consist of one or more trays or mesh grates. The trays may hold different types of media. Filtration media vary by manufacturer. Types include polypropylene, porous polymer, treated cellulose, and activated carbon.

California Experience

The number of installations is unknown but likely exceeds a thousand. Some users have reported that these systems require considerable maintenance to prevent plugging and bypass.

Advantages

- Does not require additional space as inserts as the drain inlets are already a component of the standard drainage systems.
- Easy access for inspection and maintenance.
- As there is no standing water, there is little concern for mosquito breeding.
- A relatively inexpensive retrofit option.

Limitations

Performance is likely significantly less than treatment systems that are located at the end of the drainage system such as ponds and vaults. Usually not suitable for large areas or areas with trash or leaves than can plug the insert.

Design and Sizing Guidelines

Refer to manufacturer's guidelines. Drain inserts come any many configurations but can be placed into three general groups: socks, boxes, and trays. The sock consists of a fabric, usually constructed of polypropylene. The fabric may be attached to a frame or the grate of the inlet holds the sock. Socks are meant for vertical (drop) inlets. Boxes are constructed of plastic or wire mesh. Typically a polypropylene "bag" is placed in the wire mesh box. The bag takes the form of the box. Most box products are

Design Considerations

- Use with other BMPs
- Fit and Seal Capacity within Inlet

Targeted Constituents

✓	Sediment
✓	Nutrients
✓	Trash
✓	Metals
	Bacteria
✓	Oil and Grease
✓	Organics

Removal Effectiveness

See New Development and Redevelopment Handbook-Section 5.

CASQA California Stormwater Quality Association

one box; that is, the setting area and filtration through media occurs in the same box. One manufacturer has a double-box. Stormwater enters the first box where setting occurs. The stormwater flows into the second box where the filter media is located. Some products consist of one or more trays or mesh grates. The trays can hold different types of media. Filtration media vary with the manufacturer: types include polypropylene, porous polymer, treated cellulose, and activated carbon.

Construction/Inspection Considerations

Be certain that installation is done in a manner that makes certain that the stormwater enters the unit and does not leak around the perimeter. Leakage between the frame of the insert and the frame of the drain inlet can easily occur with vertical (drop) inlets.

Performance

Few products have performance data collected under field conditions.

Siting Criteria

It is recommended that inserts be used only for retrofit situations or as pretreatment where other treatment BMPs presented in this section area used.

Additional Design Guidelines

Follow guidelines provided by individual manufacturers.

Maintenance

Likely require frequent maintenance, on the order of several times per year.

Cost

- The initial cost of individual inserts ranges from less than $100 to about $2,000. The cost of using multiple units in curb inlet drains varies with the size of the inlet.
- The low cost of inserts may tend to favor the use of these systems over other, more effective treatment BMPs. However, the low cost of each unit may be offset by the number of units that are required, more frequent maintenance, and the shorter structural life (and therefore replacement).

References and Sources of Additional Information

Hrachovec, R., and G. Minton, 2001, Field testing of a sock-type catch basin insert, Planet CPR, Seattle, Washington

Interagency Catch Basin Insert Committee, Evaluation of Commercially-Available Catch Basin Inserts for the Treatment of Stormwater Runoff from Developed Sites, 1995

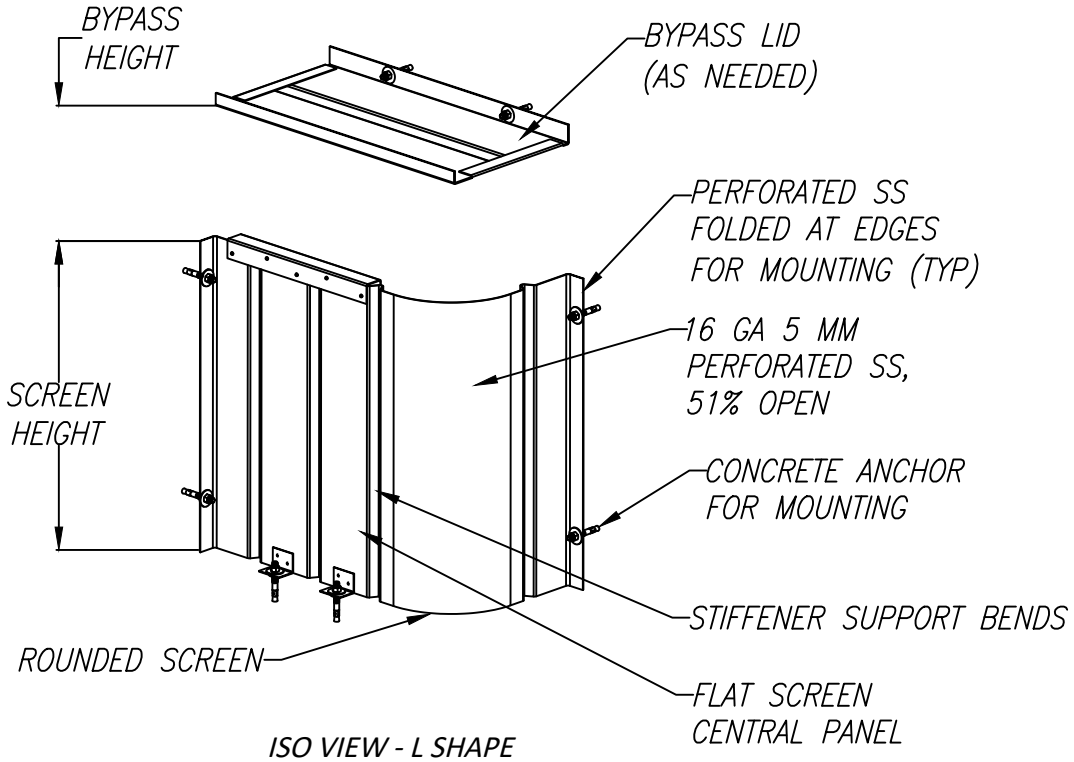
Larry Walker Associates, June 1998, NDMP Inlet/In-Line Control Measure Study Report

Manufacturers literature

Santa Monica (City), Santa Monica Bay Municipal Stormwater/Urban Runoff Project - Evaluation of Potential Catch basin Retrofits, Woodward Clyde, September 24, 1998

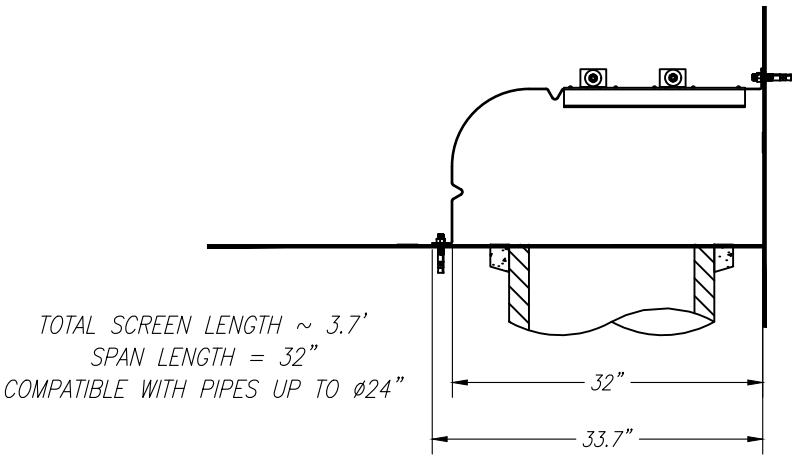
Woodward Clyde, June 11, 1996, Parking Lot Monitoring Report, Santa Clara Valley Nonpoint Source Pollution Control Program.

CONNECTOR PIPE SCREEN (CPS)
L 3.7



ISO VIEW - L SHAPE

CPS L WITH 3.7 FT SCREEN LENGTH	
CPS HEIGHT (IN)	SCREEN FLOW (CFS)
12	5.26
18	9.66
24	14.88
30	20.80
36	27.35
NOTE: BYPASS FLOW RATES VARY WITH VAULT DEPTH AND BYPASS HEIGHT. CONTACT BIO CLEAN FOR ADDITIONAL INFORMATION.	



TOP SECTION VIEW - L SHAPE

GENERAL NOTES

1. BIO CLEAN TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS, AND CAPACITIES ARE SUBJECT TO CHANGE.
3. THIS CPS UNIT IS DESIGNED FOR TREATMENT FLOWS THROUGH THE SCREEN. FLOWS GREATER THAN THE TREATMENT FLOW RATE WILL BYPASS OVER THE SCREEN.
4. A BYPASS LID IS REQUIRED WHEN THE OUTLET PIPE IS DIRECTLY BELOW THE CURB OPENING.
5. CPS IS COMPRISED OF 304 STAINLESS STEEL. THICKNESS IS 16 GAUGE. SCREEN PERFORATIONS ARE 5 MILLIMETERS IN DIAMETER. THE SCREEN AREA IS 51% OPEN SPACE.

INSTALLATION NOTES

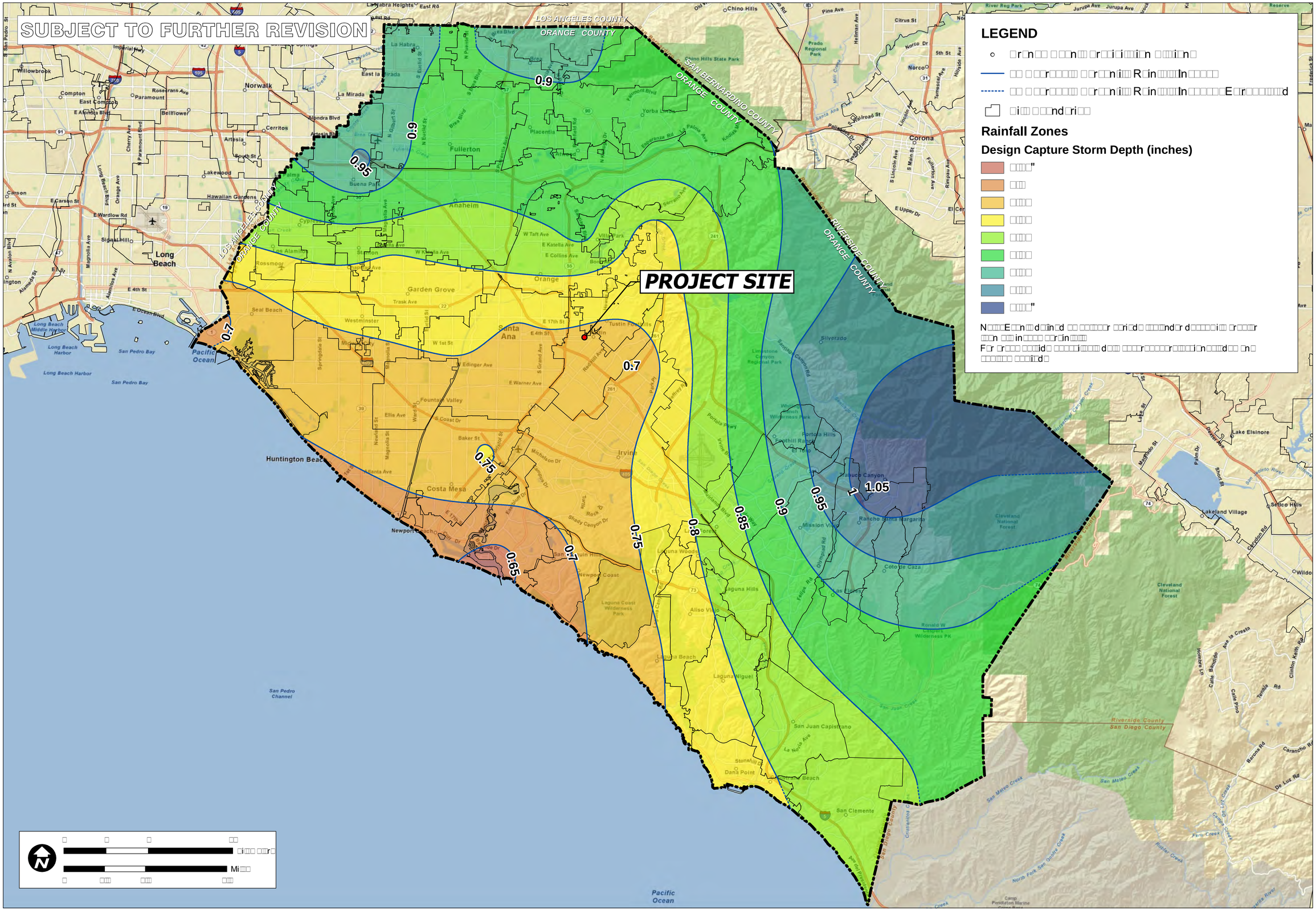
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO INSTALL THE CPS UNIT AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. POSITION THE CPS SO IT IS EVENLY SPACED AROUND THE CONNECTOR PIPE, ENSURING A MIN. OF 4" SPACING AWAY FROM ANY CORNERS. SCREEN BOTTOM SHALL BE FLUSH WITH THE CATCH BASIN FLOOR, OR WITH GAPS NO GREATER THAN 5 MM.
3. IF A BYPASS LID IS REQUIRED, VERIFY THE BYPASS HEIGHT NEEDED AND MARK THAT LOCATION ON THE WALL DIRECTLY ABOVE THE BASE UPRIGHTS. LIFT THE LID IN PLACE AND MARK THE HOLE LOCATIONS FOR THE LID MOUNTING BRACKETS. SECURE THE LID WITH STAINLESS STEEL NUTS.

WARRANTY: 3 YEAR MANUFACTURER'S		MEETS FULL CAPTURE REQUIREMENTS	
BIO CLEAN ENVIRONMENTAL SERVICES, INC. 398 VIA EL CENTRO, OCEANSIDE CA 92058 PHONE: 760-433-7640		REVISIONS:	DATE:
		REVISIONS:	DATE:
DATE: 1/17/2020	SCALE: NTS	REVISIONS:	DATE:
DRAFTER: G.M.S.	UNITS = INCHES	REVISIONS:	DATE:

Bio Clean
A Forterra Company

Attachment D
TGD Reference Exhibits

SUBJECT TO FURTHER REVISION



LEGEND

- Project Boundary
- Orange County Boundary
- Los Angeles County Boundary
- San Bernardino County Boundary
- Riverside County Boundary
- Rainfall Zones

Rainfall Zones

Design Capture Storm Depth (inches)

- 0.65"
- 0.7
- 0.75
- 0.8
- 0.85
- 0.9
- 0.95
- 1"

Notes:
For project specific design capture storm depths, see Table 2-1 in the Technical Guidance Document

Miles

RAINFALL ZONES

TITLE

ORANGE COUNTY
TECHNICAL GUIDANCE
DOCUMENT

RAINFALL ZONES

SCALE	1" = 1.8 miles
DESIGNED	TH
DRAWN	TH
CHECKED	BMP
DATE	04/22/10
JOB NO.	9526-E

PACE
Advanced Water Engineering

FIGURE

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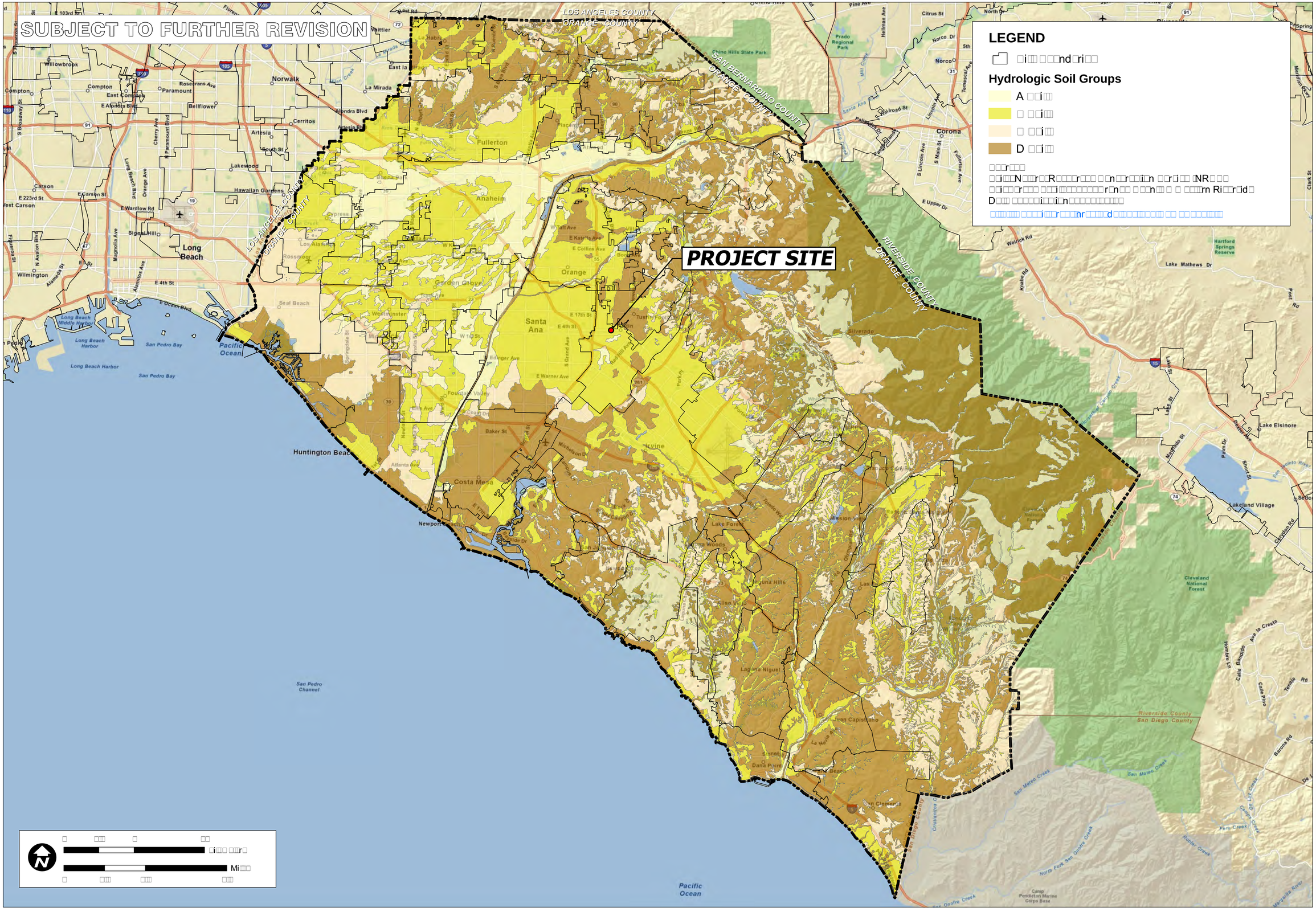
SUBJECT TO FURTHER REVISION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PROJECT SITE
Pacific Ocean
San Pedro Channel
Huntington Beach
Newport Beach
Costa Mesa
Irvine
Laguna Niguel
Lake Forest
Mission Viejo
Rancho Santa Margarita
Laguna Hills
Aliso Viejo
Dana Point
San Clemente
San Juan Capistrano
Anaheim
Santa Ana
Orange
Garden Grove
Fullerton
Long Beach
Norwalk
Whittier
La Habra
La Mirada
Buena Park
Cypress
Los Alamitos
Rossmoor
Seal Beach
Westminster
Fountain Valley
Huntington Harbour
Long Beach Harbor
San Pedro Bay
Pacific Ocean
Willowbrook
Compton
East Compton
Paramount
Bellflower
Artesia
Cerritos
Lakewood
Hawaiian Gardens
Carson
West Carson
Wilmington
Signal Hill
Corona
Norco
Prado Regional Park
Yorba Linda
Placentia
Brea
Chino Hills State Park
Cleveland National Forest
Lake Elsinore
Lakeland Village
Hartford Springs Reserve
Lake Mathews
Silverado
Riverside County
San Diego County
San Mateo Creek
Cristianitos Creek
Ferro Creek
Robber Creek
North Fork San Onofre Creek
San Onofre Creek
Camp Pendleton Marine Corps Base
Cleveland National Forest
Ave la Cresta
Calle Bandido
Calle Pino
Tenaja Rd
Basona Rd
Antonio Pkwy
Los Alisos Blvd
Alicia Pkwy
Crown Valley Pkwy
Oso Pkwy
Ortega Hwy
Santa Ana Canyon Rd
Weir Canyon Rd
Trabuco Rd
Glenn Ranch Rd
Cleveland Rd
Railroad St
Lincoln Ave
S Main St
Foothill Ranch
Portola Pkwy
Irvine Blvd
Jeffrey Rd
Culver Dr
Jamboree Rd
Newport Blvd
Pacific Coast Hwy
Beach Blvd
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Magnolia Ave
Brookhurst St
Euclid St
Knott Ave
Valley View St
Dale St
Lincoln Ave
Orangethorpe Ave
Yorba Linda Blvd
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Red Hill Ave
Main St
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Irvine Ranch Water District
Irvine Ranch Water District
Irvine Ranch Water District

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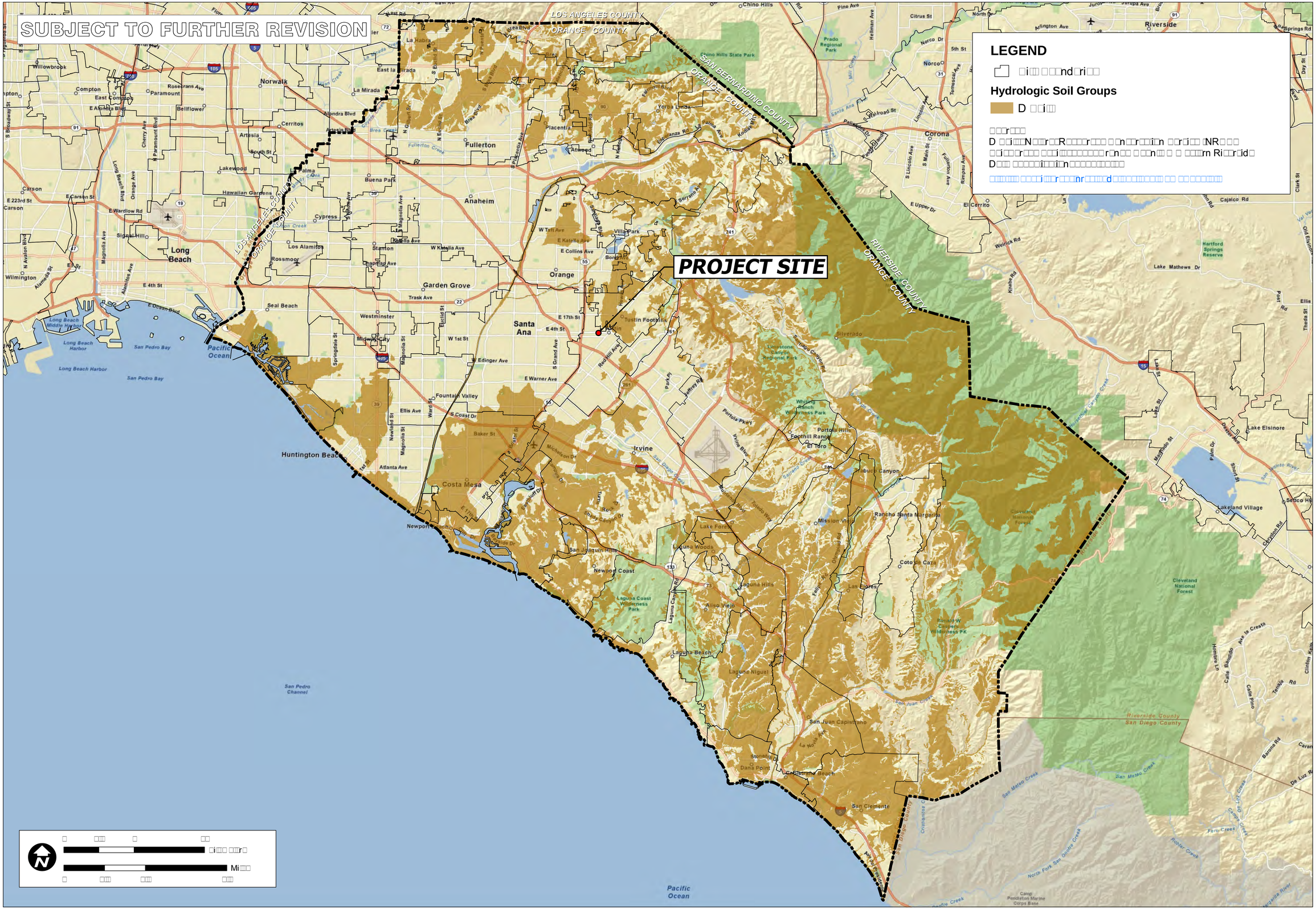
PROJECT SITE
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Lakeland Village
Cleveland National Forest
Riverside County
San Diego County
Limestone Canyon Regional Park
Whiting Ranch Wilderness Park
Aliso and Wood Canyons Wilderness Park
Laguna Coast Wilderness Park
Crystal Cove State Park
Dana Point
San Clemente
Camp Pendleton Marine Corps Base
Riverside
Corona
Norco
Anaheim
Fullerton
Orange
Santa Ana
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Huntington Beach
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Garden Grove
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Newport Beach
Laguna Beach
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Mission Viejo
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Cerritos
Lakewood
Buena Park
Cypress
Los Alamitos
Seal Beach
Westminster
Fountain Valley
Huntington Beach
Tustin
Villa Park
Orange
Silverado
Trabuco Canyon
Coto de Caza
Las Flores
Laguna Hills
Aliso Viejo
Newport Coast
San Juan Capistrano
Dana Point
Foothill Ranch
Portola Hills
El Toro
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Newland St
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Springdale St
Edinger Ave
Warner Ave
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Chapman Ave
Katella Ave
Lincoln Ave
Main St
Tustin Ranch Rd
Red Hill Ave
Jeffrey Rd
Culver Dr
Irvine Center Dr
Sand Canyon Ave
Bake Pkwy
Alton Pkwy
Lake Forest Dr
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Moulton Pkwy
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Glenn Ranch Rd
Santiago Canyon Rd
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Irvine Blvd
Portola Pkwy

SUBJECT TO FURTHER REVISION

PROJECT SITE

LOS ANGELES COUNTY
ORANGE COUNTY

SAN BERNARDINO COUNTY
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RIVERSIDE COUNTY
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Seismic Hazards

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LOS ANGELES COUNTY
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SAN BERNARDINO COUNTY
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Los Serranos, Chino Hills, Chino Hills State Park, Santa Fe Springs, South Whittier, Downey, La Habra, Brea, East La Mirada, Norwalk, La Mirada, Yorba Linda, Placentia, Cerritos, Artesia, Lakewood, La Palma, Buena Park, Hawaiian Gardens, Anaheim, Cypress, Rossmoor, Los Alamitos, Stanton, Orange, Garden Grove, Seal Beach, Westminster, Midway City, Santa Ana, Tustin Foothills, Fountain Valley, Huntington Beach, Costa Mesa, Irvine, Newport Coast, San Joaquin Hills, Pacific Ocean, Corona, Home Gardens, El Cerrito, Silverado, Limestone Canyon Regional Park, Foothill Ranch, El Toro, Portola Hills, Trabuco Canyon, Lake Forest, Mission Viejo, Rancho Santa Margarita, Laguna Woods, Laguna Hills, Las Flores, Coto de Caza, Cleveland National Forest, Ortega Highway

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NORTH ORANGE COUNTY
MAPPED DEPTH TO FIRST
GROUNDWATER

TITLE

ORANGE COUNTY
INFILTRATION STUDY

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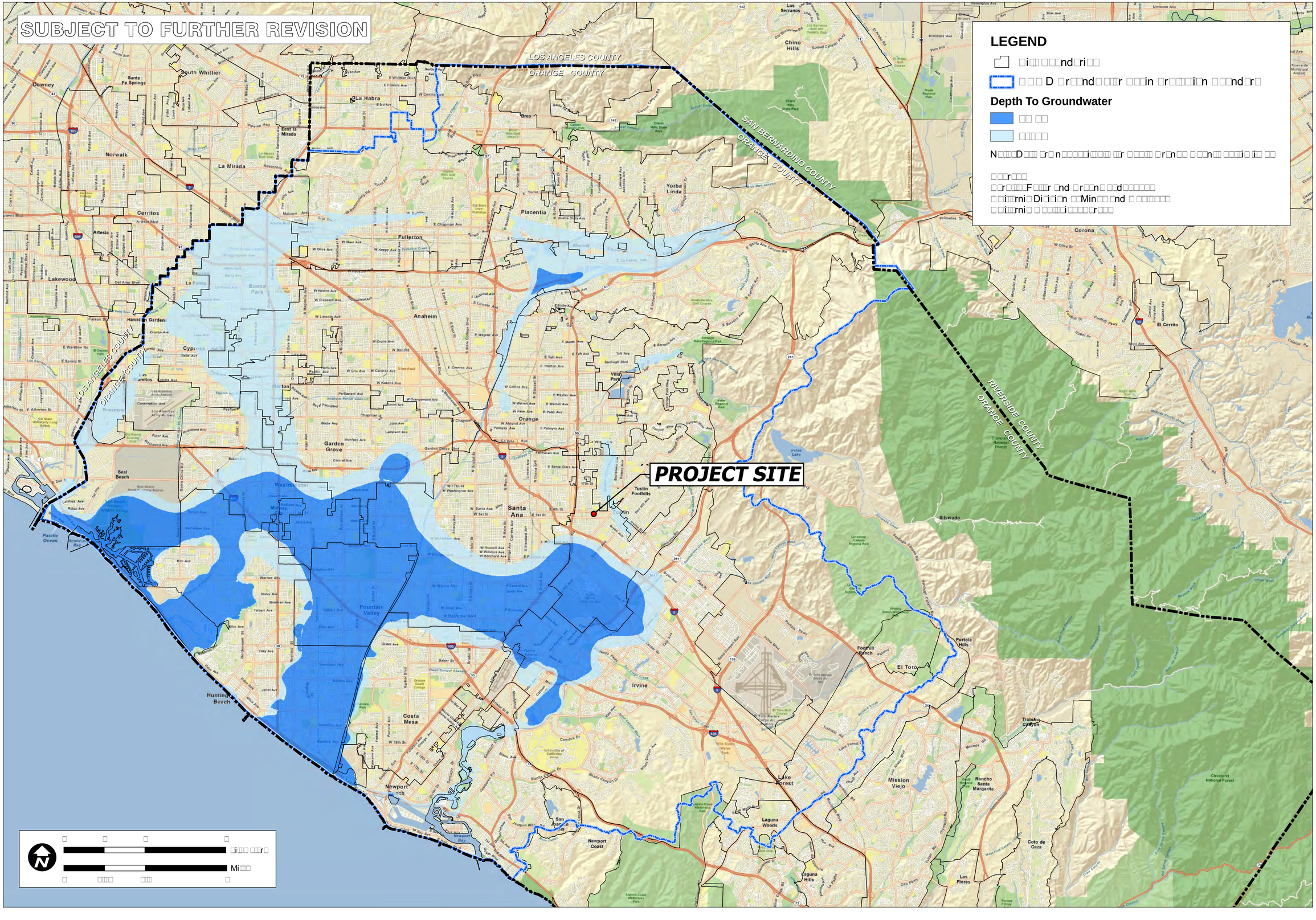

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SUBJECT TO FURTHER REVISION

NORTH ORANGE COUNTY
MAPPED SHALLOW GROUNDWATER

TITLE

ORANGE COUNTY
INFILTRATION STUDY

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Plume Protection Boundaries

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PROJECT SITE

LOS ANGELES COUNTY
ORANGE COUNTY
SAN BERNARDINO COUNTY
RIVERSIDE COUNTY

Cities: Los Serranos, Chino Hills, South Whittier, Santa Fe Springs, Downey, La Habra, East La Mirada, Norwalk, La Mirada, Brea, Yorba Linda, Cerritos, Placentia, Artesia, Atwood, Lakewood, La Palma, Buena Park, Anaheim, Hawaiian Gardens, Cypress, Los Alamitos, Rossmoor, Stanton, Orange, Garden Grove, Seal Beach, Westminster, Midway City, Santa Ana, Tustin Foothills, Tustin, Fountain Valley, Huntington Beach, Pacific Ocean, Costa Mesa, Irvine, Newport Beach, Newport Coast, San Joaquin Hills, Lake Forest, Laguna Woods, Laguna Hills, Las Flores, Mission Viejo, Rancho Santa Margarita, Coto de Caza, Trabuco Canyon, Foothill Ranch, Portola Hills, El Toro, Silverado, Cleveland National Forest

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GROUNDWATER PROTECTION
AREAS

ORANGE COUNTY
INFILTRATION STUDY

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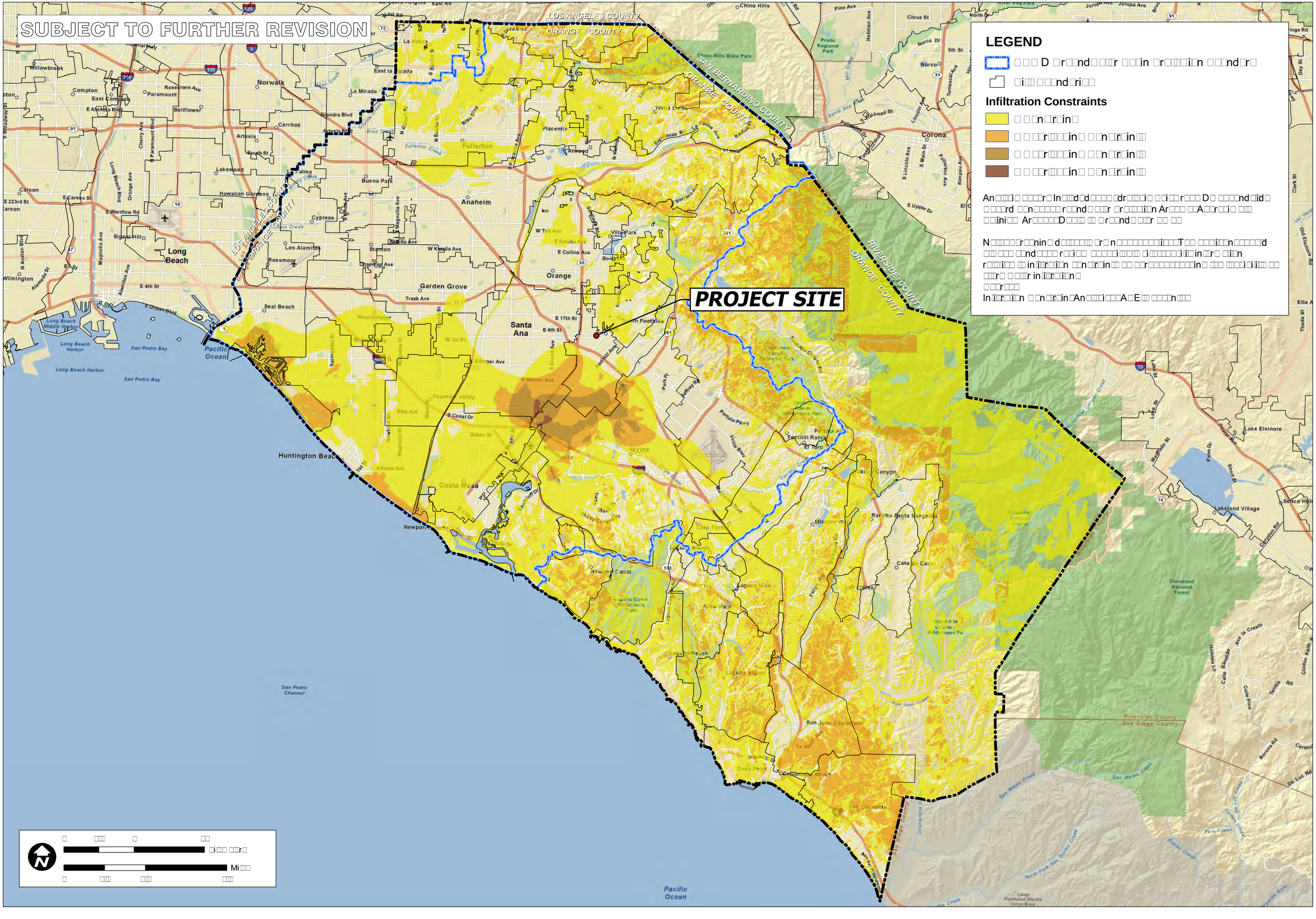

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INFILTRATION ANALYSIS OVERLAPPING CONSTRAINT LOCATIONS

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ORANGE COUNTY INFILTRATION STUDY

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PROJECT SITE

Susceptibility

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Lower Peters Canyon Retarding Basin
Eastfoot Retarding Basin
Orchard Estates Retention Basin
Hicks Canyon Retarding Basin
Rattlesnake Reservoir
East Hicks Canyon Retarding Basin
Siphon Reservoir
Bee Canyon Retarding Basin
Round Canyon Retarding Basin
Trabuco Retarding Basin
Marshburn Retarding Basin
Agua Chinon Retarding Basin
John Wayne Airport
North Lake
South Lake
Basin Number 2
Basin Number 1
Sand Canyon Reservoir
Laguna Reservoir
Bonita Canyon Reservoir
San Joaquin Reservoir
Big Canyon Reservoir
Harbor View Dam
Village Pond Park

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Santa Ana
Costa Mesa
Newport Beach
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Orange
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Attachment E
2-Year HCOC Calculations

INTR-011
Tustin, CA

HCOC Calculations

2-Year, 24 hour storm even volume and Time of Concentration calculations were derived from the Orange County Hydrology Manual. The following equations were utilized:

$V_{2\text{-YEAR}} = C(D)(A)$

C = Runoff Coefficient
D = Mean Precipitation Depth for 24 Hours
A = Area

C = 0.90(a_i), for Intensities (I) less than or equal to F_P *
- a_i = Ratio of Impervious areas to total area
- F_P = Infiltration Rate for Pervious areas = 0.30

* Refer to Orange County Hydrology Manual Section C.6.4

Intensity:

$I(t) = a(t^b)$
- a = 5.702
- t = 1440 minutes (24 hours)
- b = -0.574

$I(t = 1440) = 5.702(1440^{-0.574}) = \mathbf{0.0877}$

Depth:

$D(t) = a(t^b)$
- a = 0.095
- t = 1,440 minutes (24 hours)
- b = 0.426

$D(t = 1440) = 0.095(1{,}440^{0.426}) = \mathbf{2.104\ in}$

Existing Conditions

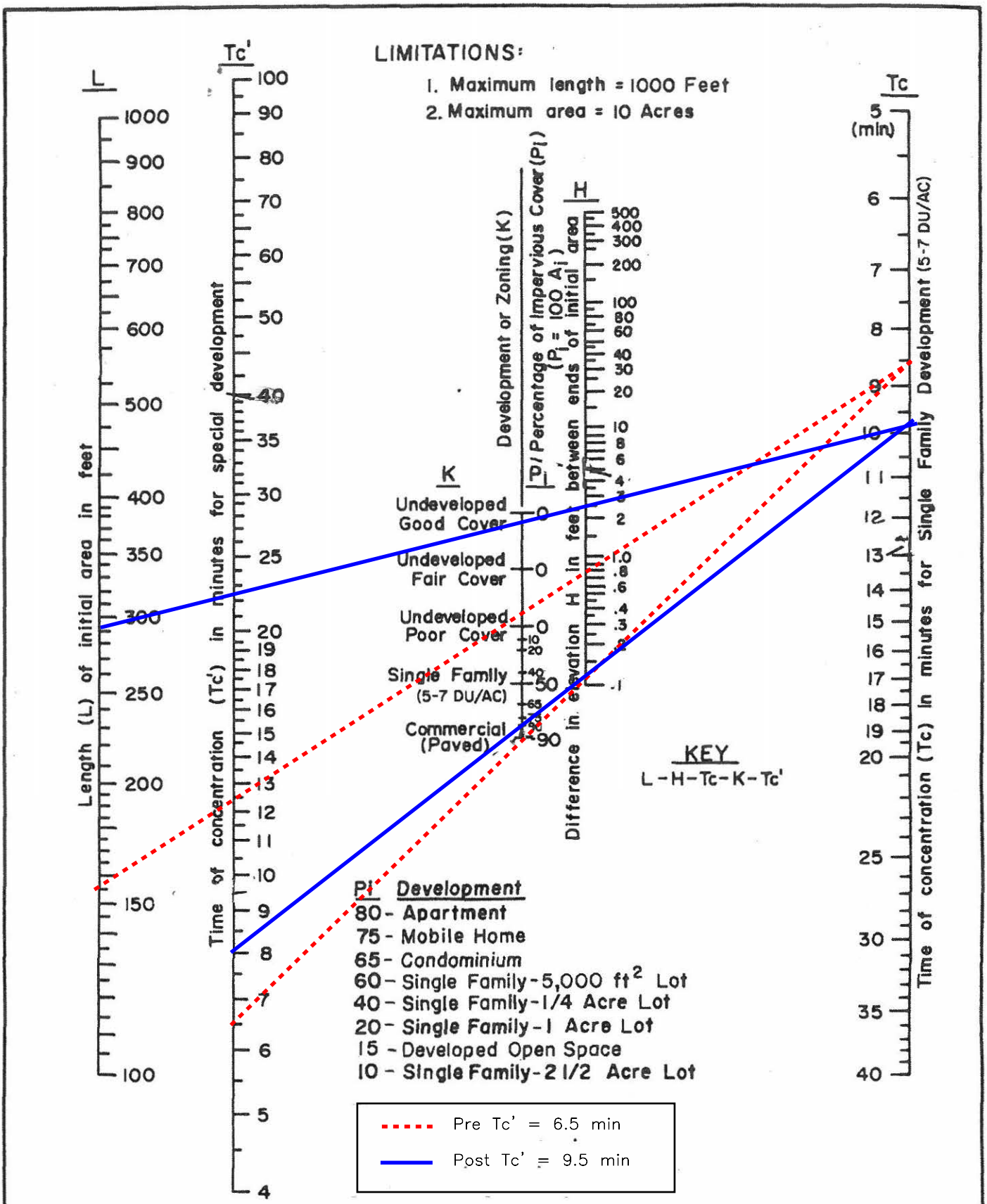
a_i = 0.90
C = 0.90(0.9) = 0.81
A = 2.07 ac (90,213 sf)

$V_{2\text{-YEAR-PRE}}$ = 0.81(2.104 in)(90,213 sf)(1 ft/12 in) = **12,812 cf**

Proposed Conditions

a_i = 0.80
C = 0.90(0.8) = 0.72
A = 2.07 ac (90,213 sf)

$V_{2\text{-YEAR-POST}}$ = 0.72(2.104 in)(90,213 sf)(1 ft/12 in) = **10,901 cf**



ORANGE COUNTY
HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

Attachment F
Educational Materials

For Education Materials, please visit Orange County Public Works website below:

https://cms.ocgov.com/gov/pw/watersheds/publiced

Attachment G
Geotechnical & Infiltration Evaluation

GEOTECHNICAL AND INFILTRATION EVALUATION
PROPOSED 40 UNIT RESIDENTIAL DEVELOPMENT
17802 IRVINE BOULEVARD
TUSTIN, ORANGE COUNTY, CALIFORNIA

PREPARED FOR

INTRACORP SW, LLC
895 DOVE STREET, SUITE 400
NEWPORT BEACH, CALIFORNIA 92882

PREPARED BY

GEOTEK, INC.
1548 NORTH MAPLE STREET
NEWPORT BEACH, CALIFORNIA 92878

PROJECT NO. 2901-CR **OCTOBER 20, 2021**

GEOTEK

GeoTek, Inc.
1548 North Maple Street, Corona, California 92878
(951) 710-1160 Office (951) 710-1167 Fax www.geotekusa.com

October 20, 2021
Project No. 2901-CR

Intracorp SW, LLC
895 Dove Street, Suite 400
Newport Beach, California 92882

Attention: Ms. Emile Simard, Project Manager

Subject: Geotechnical and Infiltration Evaluation
Proposed 40 Unit Residential Development
APN 402-191-03
17802 Irvine Boulevard
Tustin, Orange County, California

Dear Ms. Simard:

GeoTek, Inc. (GeoTek) is pleased to provide the results of this geotechnical and infiltration evaluation for the proposed project located in Tustin, Orange County, California. This report presents the results of GeoTek's evaluation, discussion of findings, and provides geotechnical recommendations for foundation design and construction.

Based upon review and evaluation, site development appears feasible from a geotechnical viewpoint provided that the recommendations included in this report are incorporated into the design and construction phases of the project.

The opportunity to be of service is sincerely appreciated. If you should have any questions, please do not hesitate to contact GeoTek.

Respectfully submitted,
GeoTek, Inc.





Bruce A. Hick
GE 2244, Exp. 12/31/22
Geotechnical Engineer

Edward H. LaMont
CEG 1892, Exp. 07/31/22
Principal Geologist

Distribution: (1) Addressee via email (one PDF file)

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Appendix B – Results of Laboratory Testing
Appendix C – Percolation Data & Porchet Calculations
Appendix D – General Earthwork Grading Guidelines

1. PURPOSE AND SCOPE OF SERVICES

The purpose of this study was to evaluate the geotechnical engineering and geologic conditions at the project site, as outlined in GeoTek's proposal P-0902521-CR, dated September 13, 2021. Services provided for this study included the following:

- Research and review of available geologic data and general information pertinent to the site,
- Site exploration consisting of the excavation, logging, and sampling of five (5) exploratory test borings extending to depths ranging from about 21.0 to 27.0 feet below grade,
- Excavation of two (2) additional borings to depths of about 5 feet below grade and performing an infiltration test in each boring,
- Laboratory testing of soil samples collected during the field investigation,
- Review and evaluation of site seismicity, and
- Preparation of this geotechnical report which presents GeoTek's findings, conclusions, and recommendations for this site.

2. SITE DESCRIPTION AND PROPOSED DEVELOPMENT

2.1 SITE DESCRIPTION

The approximate 2.1-acre rectangular-shaped project site is located on the south side of Irvine Boulevard, east of Prospect Avenue, and is referenced by the street addresses of 17802 and 17842 Irvine Boulevard, Tustin, Orange County, California. The site is also referenced as Assessor's Parcel Numbers (APN's) 401-141-13 and 401-141-57. The site is currently developed with two (2) "L"-shaped two-story office/commercial buildings in the central portion of the site with asphalt surface parking areas and access lanes in the surrounding the buildings, which will all be razed. The site is situated within a mixed used development area (commercial, recreation, single-family and multi-family).

Topographically, the site slopes gently downward to the north towards Tustin Boulevard with less than five feet of elevation differential across the property. It is anticipated that numerous utility lines exist within the property.

2.2 PROJECT DESCRIPTION

According to the Illustrative Site Plan, prepared by Bassenian | Lagoni Architecture, dated September 8, 2021, the property will be developed with 40 units: eight (8) detached single-family dwellings and sixteen (16) sets of paired single-family dwellings. The structures are anticipated to be up to three stories in height, of wood-framed construction, and will utilize concrete slab-on-grade floors and shallow foundations. Sewage is anticipated to be by a public sewer system.

Cuts and fills are estimated to be less than three feet in height. In addition, it is anticipated that stormwater at the site may be managed via relatively shallow infiltration systems. Specific location and depths of these systems are unknown currently, but assumed to be located in open spaces planned to be located in the southwestern and southeastern edges of the proposed development.

For the purposes of this report, it is assumed maximum column and wall loads will be about 100 kips and 3.5 kips per foot, respectively. Once actual loads are known that information should be provided to GeoTek to determine if modifications to the recommendations presented in this report are warranted.

Based upon past experience, grading of the site will involve cuts and fills generally less than about 5 feet in height, not including any recommended remedial grading. If site development differs from the assumptions made herein, the recommendations included in this report should be subject to further review and evaluation. Site development plans should be reviewed by GeoTek when they become available.

3. FIELD EXPLORATION AND LABORATORY TESTING

3.1 FIELD EXPLORATION

The field exploration for this report was conducted on October 5, 2021 and consisted of excavating five (5) geotechnical exploratory test borings (Borings B-1 through B-5) with a

hollow-stem drill rig to depths ranging from about 21.0 to 27 feet below grade. Boring B-5 was terminated at a depth less than the planned depth due to refusal. The approximate locations of the GeoTek borings are shown on the Exploration Location Map (Figure 2). A geologist from GeoTek logged the excavations and collected soil samples for use in subsequent laboratory testing. The logs of the exploratory borings are included in Appendix A. In-place sampling in the upper 5' of the borings was limited due to need to hand-auger the holes to confirm no underground utility lines were present. Bulk samples of these soils were locally collected and tested.

Relatively undisturbed soil samples were recovered at various intervals in the geotechnical borings with a California sampler. The California sampler is a 3-inch outside diameter, 2.5-inch inside diameter, split barrel sampler lined with brass rings. The sampler was 18 inches long. The sampler conformed to the requirements of ASTM D 3550. A 140-pound automatic trip hammer was utilized, dropping 30 inches for each blow. The relatively undisturbed samples, together with bulk samples of representative soil types, were returned to the laboratory for testing and evaluation. The California sampler test data are presented on the logs.

Percolation Testing

In addition to the geotechnical exploratory borings, two (2) borings (I-1 and I-2) were excavated in the area of the anticipated storm water control systems as designated by the project developer. The infiltration test borings were drilled to a depth of about 5 feet below the existing ground surface at the test locations. Infiltration/percolation testing was conducted in these borings in general accordance with the requirements of the County of Orange.

The percolation tests consisted of drilling an eight-inch diameter test hole to the desired depth and installing approximately two inches of gravel in the bottom of the hole. A three-inch diameter perforated PVC pipe, wrapped in a filter sock, was placed in the excavations and the annular space was filled with gravel to prevent caving within the boring. Water was then placed in the borings to presoak the holes and percolation testing was performed the following the pre-soak period. Following presoaking, the percolation tests were performed which consisted of adding water to each test hole and measuring the water drop over a 10-minute period. The water drop was recorded for six test intervals. Water was added to the test holes after each test interval. The field percolation rates were then converted to an infiltration rate using the Porchet Method. The infiltration rates calculated using the Porchet Method are presented in the following table:

SUMMARY OF INFILTRATION RATES		
Boring	Depth of Test (Feet)	Infiltration Rate (Inches per hour)
I-1	5	1.76
I-2	5	1.76

The results of the conversions indicate an infiltration rate of 1.76 inch per hour. Copies of the percolation data sheets and the Porchet infiltration rate conversion calculations are presented in Appendix C. No factors of safety were applied to the rates provided. Over the lifetime of the infiltration areas, the infiltration rates may be affected by sediment build up and biological activities, as well as local variations in near surface soil conditions. A suitable factor of safety should be applied to the field rate in designing the infiltration system.

It should be noted that the infiltration rates provided above were performed in relatively undisturbed on-site soils. Infiltration rates will vary and are mostly dependent on the underlying consistency of the site soils and relative density. Infiltration rates may be impacted by weight of equipment travelling over the soils, placement of engineered fill and other various factors. GeoTek assumes no responsibility or liability for the ultimate design or performance of the storm water facility.

3.2 LABORATORY TESTING

Laboratory testing was performed on selected relatively undisturbed ring and bulk samples collected during the field exploration. The purpose of the laboratory testing was to confirm the field classification of the materials encountered and to evaluate their physical properties for use in the engineering design and analysis. Results of the laboratory testing program along with a brief description and relevant information regarding testing procedures are included on the exploratory borings logs included in Appendix A.

4. GEOLOGIC AND SOILS CONDITIONS

4.1 REGIONAL SETTING

The subject property is situated in the Peninsular Ranges geomorphic province. The Peninsular Ranges province is one of the largest geomorphic units in western North America. It extends approximately 975 miles south of the Transverse Ranges geomorphic province to the tip of

Baja California. This province varies in width from about 30 to 100 miles. It is bounded on the west by the Pacific Ocean, on the south by the Gulf of California and on the east by the Colorado Desert Province.

The Peninsular Ranges are essentially a series of northwest-southeast oriented fault blocks. Several major fault zones are found in this province. The Elsinore Fault zone and the San Jacinto Fault zone trend northwest-southeast and are found near the middle of the province. The San Andreas Fault zone borders the northeasterly margin of the province.

More specific to the subject property, the site is in an area geologically mapped to be underlain by alluvium (Dibblee, T.W. and Minch, J.A., 2003). No active faults are shown in the immediate site vicinity on the maps reviewed for the area.

4.2 GENERAL SOIL CONDITIONS

A brief description of the earth materials encountered is presented in the following section. Based on the site reconnaissance, the exploratory excavations and review of published geologic maps, the area investigated is locally underlain by alluvial soils that is locally overlain by artificial fill.

4.2.1 Artificial Fill

Artificial fill (asphalt concrete pavement sections consisting of asphalt concrete and aggregate base) was encountered at the surface of all of the exploratory and infiltration borings. As the project site contains existing structures, pavements, utilities and other infrastructure improvements, artificial fill is anticipated to be present in unexplored areas of the project site.

4.2.2 Alluvium

Alluvium was encountered beneath the pavement sections in all the exploratory and infiltration test borings. The alluvium was found to consist of interbedded layers of silty sands, relatively clean and gravelly sands and sandy gravels, (SM, SP, and GP soil types based upon the Unified Soil Classification System). The coarse-grained alluvium was found to be medium dense to very dense.

Based on the results of laboratory testing, the upper site soils are considered to have a "very low" (0-20) expansion potential (ASTM D 4829). Based on the laboratory test results, the near surface soils have a soluble sulfate content of less than 0.1 percent (ASTM D 4327). The test results are provided in Appendix B.

4.3 SURFACE WATER AND GROUNDWATER

4.3.1 Surface Water

If encountered during earthwork operations, surface water on this site is the result of precipitation or possibly some minor surface run-off from the surrounding areas. Overall site area drainage varies due to the site topography. Provisions for surface drainage will need to be accounted for by the project civil engineer.

4.3.2 Groundwater

Groundwater was not encountered within any of the test borings drilled at the site (maximum depth explored of 27 feet). Based on review of available data, it is estimated that the depth to high groundwater at the site is greater than about 50 feet below grade. Based on the results of the field exploration, review of site area geomorphology and geology, groundwater is not anticipated to adversely affect the proposed improvements.

4.4 FAULTING AND SEISMICITY

4.4.1 Faulting

The geologic structure of the entire California area is dominated mainly by northwest-trending faults associated with the San Andreas system. The site is in a seismically active region. However, the site is not situated within a State of California designated *"Alquist-Priolo"* Earthquake Fault Zone. The nearest known active fault is the Newport-Inglewood fault zone located about 10 miles to the southwest.

4.4.2 Seismic Design Parameters

The site is located at approximately 33.7479 degrees West Latitude and -117.8214 degrees North Longitude. Site spectral accelerations (S_a and S_1), for 0.2 and 1.0 second periods for a Class "D" site, was determined from the SEAOC/OSHPD web interface that utilizes the USGS web services and retrieves the seismic design data and presents that information in a report format. Using the ASCE 7-16 option on the SEAOC/OSHPD website results in the values for S_{M1} and S_{D1} reported as "null-See Section 11.4.8" (of ASCE 7-16). As noted in ASCE 7-16, Section 11.4.8, a site-specific ground motion procedure is recommended for Site Class D when the value S_1 exceeds 0.2. The value S_1 for the subject site exceeds 0.2.

For a site Class D, an exception to performing a site-specific ground motion analysis is allowed in ASCE 7-16 where S_1 exceeds 0.2 provided the value of the seismic response coefficient, Cs,

is conservatively calculated by Eq 12.8-2 of ASCE 7-16 for values of T≤1.5Ts and taken as equal to 1.5 times the value computed in accordance with either Eq. 12.8-3 for $T_L \geq T > 1.5Ts$ or Eq. 12.8-4 for $T > T_L$.

The results, based on the 2015 NEHRP and the 2019 CBC, are presented in the following table as it is assumed that the exception as allowed in ASCE 7-16 is applicable. If the exception is deemed not appropriate, a site-specific ground motion analysis will be required.

SITE SEISMIC PARAMETERS	
Mapped 0.2 sec Period Spectral Acceleration, S_S	1.291g
Mapped 1.0 sec Period Spectral Acceleration, S_1	0.461g
Site Coefficient for Site Class "D", F_a	1
Site Coefficient for Site Class "D", F_v	1.839
Maximum Considered Earthquake Spectral Response Acceleration for 0.2 Second, S_{MS}	1.291g
Maximum Considered Earthquake Spectral Response Acceleration for 1.0 Second, S_{M1}	0.847g
5% Damped Design Spectral Response Acceleration Parameter at 0.2 Second, S_{DS}	0.861
5% Damped Design Spectral Response Acceleration Parameter at 1 second, S_{D1}	0.565
Peak Ground Acceleration (PGA_M)	0.592g
Seismic Design Category	D

Final selection of the appropriate seismic design coefficients should be made by the project structural engineer based upon the local practices and ordinances, expected building response and desired level of conservatism.

4.5 LIQUEFACTION

Liquefaction describes a phenomenon in which cyclic stresses, produced by earthquake-induced ground motion, create excess pore pressures in relatively cohesionless and some low-plastic silt and clay soils. These soils may thereby acquire a high degree of mobility, which can lead to lateral movement, sliding, settlement of loose sediments, sand boils and other damaging deformations. This phenomenon occurs only below the water table, but, after liquefaction occurs, the liquefied soil/water matrix can propagate upward into overlying non-saturated soil as excess pore water dissipates.

The factors known to influence liquefaction potential include soil type and grain size, relative density, plasticity, groundwater level, confining pressures, and both intensity and duration of ground shaking. In general, materials that are susceptible to liquefaction are loose, saturated

granular soils having low fines content under low confining pressures and some low plastic silts and clays.

Based on a review of the Orange County Parcel Report, the site is not located within an area mapped as being susceptible to liquefaction.

Based on the current mapping by Orange County and the lack of shallow groundwater, it is GeoTek's opinion that the site is not susceptible to liquefaction during a seismic event. Due to the dense/very dense nature of the underlying alluvium, seismic induced ("dry sand") settlements are estimated to be minimal.

4.6 OTHER SEISMIC HAZARDS

Due to the general flat terrain, the potential for seismic induced landslides or lateral spreading is considered nil. The potential for secondary seismic hazards such as a seiche and tsunami is considered negligible due to site elevation and distance from an open body of water.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 GENERAL

Development of the site appears feasible from a geotechnical engineering viewpoint. The following recommendations should be incorporated into the design and construction phases of development.

5.2 EARTHWORK CONSIDERATIONS

5.2.1 General

Earthwork and grading should be performed in accordance with the applicable grading ordinances of the County of Orange, City of Tustin, the 2019 California Building Code (CBC), and recommendations contained in this report. The Grading Guidelines included in Appendix D outline general procedures and do not anticipate all site-specific situations. In the event of conflict, the recommendations presented in the text of this report should supersede those contained in Appendix D.

5.2.2 Site Clearing

Initial site preparation should commence with removal of debris, existing structures, pavements, underground utilities, foundations, slabs-on-grade, deleterious materials and vegetation within the limits of the planned improvements. Demolition of the existing buildings should include removal of all shallow foundations, floor slabs and any of below-grade construction. If the existing building is supported by deep foundations, it is recommended that those foundation units be cut-off at least 3 feet below all new building foundations and floor slabs and one foot beneath all future utility lines. Existing utilities, not planned for re-use, should be capped off at the property boundaries and removed. All materials generated by demolition and site clearing operations should be properly disposed of off-site. Concrete and asphalt generated from razing the existing site structures may be used for fill if properly prepared (broken down into suitable size), with any deleterious materials (i.e. rebar or reinforcement) removed. Placement of this material as part of engineered fill on the project site should also be with approval from the grading inspector and the geotechnical engineer of record. Voids resulting from removing any materials should be replaced with engineered fill materials with expansion characteristics similar to the onsite materials.

5.2.3 Site Preparation

Demolition and removal of the existing on-site structure foundations, slabs and utility lines is anticipated to disturb the upper site soils. Due to the anticipated site demolition and the non-uniform nature of the near-surface upper younger alluvium, it is recommended that the soils be removed beneath the planned building footprint to a depth of at least five (5) feet below existing grade, or three (3) feet below the base of the proposed foundations, whichever is greater. The lateral extent of this recommended over-excavation should extend at least 5 feet beyond the building limits. Removal bottoms should be relatively uniform in soil type which is not visibly porous and having an in-place density of at least 85 percent of the soil's maximum dry density as determined by ASTM D 1557 test procedures.

Following site clearing operations, over-excavation and lowering of site grades, where necessary, it is recommended that the exposed subgrade soils beneath all surface improvements be proof rolled with a heavy rubber-tired piece of construction equipment approved by and in the presence of the geotechnical engineering representative. The proof rolling equipment should possess a minimum weight of 15 tons and proof rolling should include at least 4 passes, two in each perpendicular direction. All soil that ruts or excessively deflects during proof rolling should be removed as recommended by the GeoTek representative. Following proof rolling and removal of any unsuitable bearing soil, the exposed subgrade should be scarified to a depth of about 12 inches, be moisture conditioned to slightly above the soil's optimum moisture content and then be compacted to at least 90 percent of the soil's maximum dry density as determined by ASTM D-1557 test procedures.

5.2.4 Engineered Fill

The on-site soils are generally considered suitable for reuse as engineered fill provided they are free from vegetation, debris, oversized materials (~6 inches) and other deleterious material. All areas should be brought to final subgrade elevations with fill materials that are placed and compacted in general accordance with minimum project standards. Engineered fill should be placed in 6-to-8-inch loose lifts, moisture conditioned to about three percent above the optimum moisture content and compacted to a minimum relative compaction of 90 percent as determined by ASTM D-1557 test procedures.

If wet soils are encountered during remedial grading, methods for drying soils such as stockpiling or mixing with dry soils may be required to bring the soils to the required moisture content for placement as engineered fill. Placement of engineered fill should be observed and tested on a full-time basis by a GeoTek representative during grading activities.

5.2.5 Oversized Rock Disposal

Oversized cobbles, bounders and rock fragments may be encountered during rough grading and utility trench operations. On-site disposal of oversized materials is possible, provided the oversized materials are placed as recommended on Plate 4 within Appendix D. Alternatively, over-sized materials can be exported from the site.

5.2.6 Excavation Characteristics

Excavations in the on-site soils should be readily accomplished with heavy-duty earthmoving or excavating equipment in good operating condition. All excavations should be formed in accordance with current Cal-OSHA requirements.

5.2.7 Trench Excavations and Backfill

Temporary trench excavations within the on-site materials should be stable at a 1:1 inclination for short durations during construction and where cuts do not exceed 15 feet in height. Deeper temporary excavations should be reviewed by GeoTek prior to their planned excavation to determine if supplemental recommendations or analysis are warranted. It is anticipated that temporary cuts to a maximum height of 4 feet can be excavated vertically.

Trench excavations should conform to Cal-OSHA regulations. The contractor should have a competent person, per OSHA requirements, on site during construction to observe conditions and to make the appropriate recommendations.

Utility trench backfill should be compacted to at least 90 percent relative compaction (as determined by ASTM D-1557 test procedures). Under-slab trenches should also be compacted to project specifications. Where applicable, based on jurisdictional requirements,

the top 12 inches of backfill below subgrade for road pavements should be compacted to at least 95 percent relative compaction. On-site materials may not be suitable for use as bedding material but should be suitable as backfill provided particles larger than 6 inches are removed.

Compaction should be achieved with a mechanical compaction device. Ponding or jetting of trench backfill is not recommended. If backfill soils have dried out, they should be properly moisture conditioned prior to placement in trenches.

5.2.8 Shrinkage and Bulking

Several factors will impact earthwork balancing on the site, including shrinkage, subsidence, trench spoil from utilities and footing excavations, as well as the accuracy of topography. Site demolition and infrastructure removal operations may impact site earthwork quantities and needs to be accounted for.

Shrinkage is primarily dependent upon the degree of compactive effort achieved during construction. For planning purposes, a shrinkage factor of 5 to 10 percent may be considered for the soils excavated or scarified and used as compacted fill. Site balance areas should be available in order to adjust project grades, depending on actual field conditions at the conclusion of site earthwork construction.

A subsidence loss of up to about 0.2 foot is estimated for the site.

5.2.9 Grading Plan Review

Upon completion of the site grading plans, it is recommended that those plans be provided to GeoTek for review. Based on that review, some modifications to the recommendations provided in this report may be necessary.

5.3 DESIGN RECOMMENDATIONS

5.3.1 Foundation Design Criteria

Foundation design criteria for a conventional foundation system, in general conformance with the 2019 CBC, are presented herein. These are typical design criteria and are not intended to supersede the design by the structural engineer.

Design Parameter	"Very Low" Expansion Potential (0≤EI≤21)
Foundation Depth or Minimum Perimeter Beam Depth (inches below lowest adjacent grade)	12 – 1 and 2 Story 18 – Three-Story
Minimum Foundation Width (Inches)*	12 – 1 Story 15 – 2 Story 18 – 3 Story
Minimum Slab Thickness (actual)	4 inches (actual)
Minimum Slab Reinforcing	6" x 6" – W1.4/W1.4 welded wire fabric or No. 3 reinforcing bars at 24 inches on center each way placed in middle of slab
Minimum Footing Reinforcement	Two No. 4 Reinforcing Bars, one top and one bottom
Effective Plasticity Index**	N/A
Presaturation of Subgrade Soil (Percent of Optimum/Depth in inches)	Minimum 100% of the optimum moisture content to a depth of at least 12 inches prior to placing concrete

*Code minimums per Table 1809.7 of the 2019 CBC should be complied with.
**Effective Plasticity Index should be verified at the completion of the rough grading

It should be noted that the criteria provided are based on soil support characteristics only. The structural engineer should design the slab and beam reinforcement based on actual loading conditions.

It should be noted that the criteria provided are based on soil support characteristics only. The structural engineer should design the slab and beam reinforcement based on actual loading conditions.

5.3.1.1 An allowable bearing capacity of 2,500 pounds per square foot (psf) may be used for design of continuous and perimeter footings 12 inches deep and 12 inches wide, and pad footings 24 inches square and 12 inches deep. This allowable soil bearing capacity may be increased by 200 psf for each additional foot of footing depth and 200 psf for each additional foot of footing width to a maximum value of 3,500 psf. An increase of one-third may be applied when considering short-term live loads (e.g., seismic and wind loads).

5.3.1.2 Structural foundations should be designed in accordance with the 2019 CBC, and to withstand a total static settlement of 1 inch and maximum differential static settlement of one-half of the total settlement over a horizontal distance of 40 feet.

5.3.1.3 The passive earth pressure may be computed as an equivalent fluid having a density of 275 psf per foot of depth, to a maximum earth pressure of 2,750 psf for footings founded on engineered fill or competent native soil. A coefficient of friction between

soil and concrete of 0.3 may be used with dead load forces. When combining passive pressure and frictional resistance, the passive pressure component should be reduced by one-third. The upper one foot of soil should be ignored in the passive pressure calculations unless the surface is covered with pavements.

5.3.1.4 A grade beam, a minimum of 12 inches wide and 18 inches deep, should be utilized across large entrances. The base of the grade beam should be at the same elevation as the bottom of the adjoining footings.

5.3.1.5 A moisture and vapor retarding system should be placed below slabs-on-grade where moisture migration through the slab is undesirable. Guidelines for these are provided in the 2019 California Green Building Standards Code (CALGreen) Section 4.505.2, the 2019 CBC Section 1907.1 and ACI 360R-10. The vapor retarder design and construction should also meet the requirements of ASTM E 1643. A portion of the vapor retarder design should be the implementation of a moisture vapor retardant membrane.

It should be realized that the effectiveness of the vapor retarding membrane can be adversely impacted as a result of construction related punctures (e.g., stake penetrations, tears, punctures from walking on the vapor retarder placed atop the underlying aggregate layer, etc.). These occurrences should be limited as much as possible during construction. Thicker membranes are generally more resistant to accidental puncture than thinner ones. Products specifically designed for use as moisture/vapor retarders may also be more puncture resistant. Although the CBC specifies a 6-mil vapor retarder membrane, it is GeoTek's opinion that a minimum 10 mil thick membrane with joints properly overlapped and sealed should be considered, unless otherwise specified by the slab design professional. The membrane should consist of Stego wrap or the equivalent.

Moisture and vapor retarding systems are intended to provide a certain level of resistance to vapor and moisture transmission through the concrete, but do not eliminate it. The acceptable level of moisture transmission through the slab is to a large extent based on the type of flooring used and environmental conditions. Ultimately, the vapor retarding system should be comprised of suitable elements to limited migration of water and reduce transmission of water vapor through the slab to acceptable levels. The selected elements should have suitable properties (i.e., thickness, composition, strength, and permeability) to achieve the desired performance level.

Moisture retarders can reduce, but not eliminate, moisture vapor rise from the underlying soils up through the slab. Moisture retarder systems should be designed and constructed in accordance with applicable American Concrete Institute, Portland Cement Association, Post-Tensioning Concrete Institute, ASTM and California Building Code requirements and guidelines.

GeoTek recommends that a qualified person, such as the flooring contractor, structural engineer, architect, and/or other experts specializing in moisture control within the building be consulted to evaluate the general and specific moisture and vapor transmission paths and associated potential impact on the proposed construction. That person (or persons) should provide recommendations relative to the slab moisture and vapor retarder systems and for migration of potential adverse impact of moisture vapor transmission on various components of the structures, as deemed appropriate.

In addition, the recommendations in this report and GeoTek's services in general are not intended to address mold prevention; since GeoTek, along with geotechnical consultants in general, do not practice in the area of mold prevention. If specific recommendations addressing potential mold issues are desired, then a professional mold prevention consultant should be contacted.

It is recommended that control joints be placed in two directions spaced approximately 24 to 36 times the thickness of the slab in inches. These joints are a widely accepted means to control cracks and should be reviewed by the project structural engineer.

5.3.2 Miscellaneous Foundation Recommendations

5.3.2.1 To reduce moisture penetration beneath the slab on grade areas, utility trench excavations should be backfilled with engineered fill, lean concrete or concrete slurry where they intercept the perimeter footing or thickened slab edge.

5.3.2.2 Soils from the footing excavations should not be placed in the slab-on-grade areas unless properly compacted and tested. The excavations should be free of loose/sloughed materials and be neatly trimmed at the time of concrete placement.

5.3.3 Foundation Setbacks

Minimum setbacks for all foundations should comply with the 2019 CBC or County of Orange requirements, whichever is more stringent. Improvements not conforming to these setbacks

are subject to the increased likelihood of excessive lateral movements and/or differential settlements. If large enough, these movements can compromise the integrity of the improvements. The top outside edge of all footings should be set back a minimum of H/3 (where H is the slope height) from the face of any descending slope. The setback should be at least five feet and need not exceed 40 feet.

5.3.4 Soil Corrosivity

The soil resistivity at this site was tested in the laboratory on samples collected during the field investigation. The results of the testing indicate that the on-site soils are considered "corrosive" (3,283 ohm-cm) (Roberge, 2000) to buried ferrous metal in accordance with current standards used by corrosion engineers. It is recommended that a corrosion engineer be consulted to provide recommendations for the protection of buried ferrous metal at this site.

5.3.5 Soil Sulfate Content

The sulfate content was determined in the laboratory on samples collected during the field investigation. The results indicate that the soil water-soluble sulfate content is less than 0.1 percent by weight, which is considered "negligible" as per Table 4.2.1 of ACI 318. Based on the test results and Table 4.3.1 of ACI 318, no special recommendations for concrete are required for this project due to soil sulfate exposure.

5.4 RETAINING AND GARDEN WALL DESIGN AND CONSTRUCTION

5.4.1.1 General Design Criteria

Recommendations presented in this report apply to typical masonry or concrete vertical retaining walls to a maximum height of up to six (6) feet. Additional review and recommendations should be requested for higher walls. These are typical design criteria and are not intended to supersede the design by the structural engineer.

Retaining wall foundations should be embedded a minimum of 18 inches into engineered fill and/or competent native soil. Retaining wall foundations should be designed in accordance with Section 5.3 of this report. Structural needs may govern and should be evaluated by the project structural engineer.

All earth retention structure plans, as applicable, should be reviewed by this office prior to finalization.

Earthwork considerations, site clearing and remedial earthwork for all earth retention structures should meet the requirements of this report, unless specifically provided otherwise, or more stringent requirements or recommendations are made by the designer. The backfill material placement for all earth retention structures should meet the requirement of Section 5.2.4 in this report.

In general, cantilever earth retention structures, which are designed to yield at least 0.001H, where H is equal to the height of the earth retention structure, may be designed using the "active" condition. Rigid earth retention structures (including but not limited to rigid walls, and walls braced at top, such as typical basement walls) should be designed using the "at-rest" condition.

In addition to the design lateral forces due to retained earth, surcharges due to improvements, such as an adjacent building or traffic loading, should be considered in the design of the earth retention structures. Loads applied within a 1:1 (horizontal:vertical) projection from the surcharge on the stem of the earth retention structure should be considered in the design.

Final selection of the appropriate design parameters should be made by the designer of the earth retention structures.

5.4.1.2 Cantilevered Walls

The recommendations presented below are for cantilevered retaining walls up to six (6) feet high. Active earth pressure may be used for retaining wall design, provided the top of the wall is not restrained from minor deflections. An equivalent fluid pressure approach may be used to compute the horizontal pressure against the wall. Appropriate fluid unit weights are given below for specific slope gradients of the retained material. These do not include other superimposed loading conditions such as traffic, structures, or seismic events.

ACTIVE EARTH PRESSURES	
Surface Slope of Retained Materials (horizontal : vertical)	Equivalent Fluid Pressure (pcf) Select Backfill* and Native Soils
Level	40
2:1	65

*The design pressures assume the backfill material has an expansion index less than or equal to 20. Backfill zone includes area between back of the wall to a plane (1:1 horizontal : vertical) up from bottom of the wall foundation (on the backside of the wall) to the ground surface.

For walls with a retained height greater than 6 feet, an incremental seismic pressure should be included into the wall design. Where needed, it is recommended that an equivalent fluid pressure of 18 pcf be included into the wall design to account for seismic loading conditions. This pressure may be applied as an inverted triangular distribution.

5.4.1.3 Retaining Wall Backfill and Drainage

The wall backfill should also include a minimum one (1) foot wide section of ¾- to 1-inch clean crushed rock (or an approved equivalent). The rock should be placed immediately adjacent to the back of the wall and extend up from a back drain to within approximately 24 inches of the finish grade. The upper 24 inches should consist of compacted on-site materials. The rock should be separated from the earth with filter fabric. The presence of other materials might necessitate revision to the parameters provided and modification of the wall designs. The backfill materials should be placed in lifts no greater than eight (8) inches in thickness and compacted to a minimum of 90% relative compaction as determined by ASTM D 1557 test procedures. Proper surface drainage needs to be provided and maintained.

As an alternative to the drain, rock and fabric, a pre-manufactured wall drainage product (example: Mira Drain 6000 or approved equivalent) may be used behind the retaining wall. The wall drainage product should extend from the base of the wall to within two (2) feet of the ground surface. The subdrain should be placed in direct contact with the wall drainage product.

Retaining walls should be provided with an adequate pipe and gravel back drain system to help prevent buildup of hydrostatic pressures. Backdrains should consist of a four (4)-inch diameter perforated collector pipe (Schedule 40, SDR 35, or approved equivalent) embedded in a minimum of one (1) cubic foot per linear foot of ¾□to 1-inch clean crushed rock or an approved equivalent, wrapped in filter fabric (Mirafi 140N or an approved equivalent). The drain system should be connected to a suitable outlet. Waterproofing of site walls should be performed where moisture migration through the walls is undesirable.

5.4.1.4 Restrained Retaining Walls

Retaining walls that will be restrained at the top that support level backfill or that have reentrant or male corners, should be designed for an equivalent at-rest fluid pressure of 65 pcf, plus any applicable surcharge loading. For areas of male or reentrant corners, the restrained wall design should extend a minimum distance of twice the height of the wall laterally from the corner, or a distance otherwise determined by the project structural engineer.

5.4.1.5 Other Design Considerations

- Wall design should consider the additional surcharge loads from superjacent slopes and/or footings, where appropriate.
- No backfill should be placed against concrete until minimum design strengths are evident by compression tests of cylinders.
- The retaining wall footing excavations, backcuts, and backfill materials should be approved by the project geotechnical engineer or their authorized representative.
- Positive separations should be provided in garden walls at horizontal distances not exceeding 20 feet.

5.5 PRELIMINARY PAVEMENT DESIGN RECOMMENDATIONS

Although planned final grades beneath the proposed parking, access roads and adjacent street improvements within the site are not yet known, the following preliminary pavement design recommendations are based on assumed Traffic Indexes of 5.0 for car parking areas and 6.0 for access drives. Preliminary pavement thickness design is based on the CalTrans Highway Design Manual (2018). An R-value of 40 was assumed for the determination of preliminary pavement sections for this report. Once the traffic loading information becomes more defined, revision to the pavement design recommendations may be warranted. It is recommended that the final pavement design be based on R-value testing of the as-graded subgrade soils within the pavement areas.

Based on the assumptions noted above, the following preliminary pavement recommendations are provided for the site:

PRELIMINARY MINIMUM PAVEMENT SECTION		
Traffic Index	Thickness of Asphalt Concrete (inches)	Thickness of Aggregate Base (inches)
5.0 (Car Parking Areas)	3	6
6.0 (Automobile Access Lanes)	4	6

Traffic Indices (TIs) used in the pavement design should provide a pavement life of approximately 20 years with a normal amount of flexible pavement maintenance. Irrigation adjacent to pavements, without a deep curb or other cutoff to separate landscaping from the

paving may result in premature pavement failure. Traffic parameters used for design were selected based upon engineering judgment and not upon information furnished to us such as an equivalent wheel load analysis or a traffic study.

All base material and the upper 12 inches of subgrade should be compacted to at least 95 percent of the material's maximum dry density as determined by ASTM D 1557 test procedures. All materials and methods of construction should conform to the requirements of the City of Tustin.

5.6 CONCRETE CONSTRUCTION

5.6.1 General

Concrete construction should follow the 2019 CBC and ACI guidelines regarding design, mix placement and curing of the concrete. If desired, GeoTek could provide quality control testing of the concrete during construction.

5.6.2 Concrete Mix Design

As discussed in Section 5.3.5, no special recommendations for concrete are required for this project due to soil sulfate exposure. Additional testing should be performed during grading so that specific recommendations can be formulated based on the as-graded conditions.

5.6.3 Concrete Flatwork

Exterior concrete flatwork is often one of the most visible aspects of site development. They are typically given the least level of quality control, being considered "non-structural" components. Cracking of these features is common due to various factors. While cracking usually does not affect the structural performance of the concrete, it is unsightly. It is recommended that the same standards of care be applied to these features as to the structure itself.

Flatwork should consist of a minimum four-inch (actual) thick concrete and the use of temperature and shrinkage control reinforcement is suggested. The project structural engineer should provide final design recommendations.

5.6.4 Concrete Performance

Concrete cracks should be expected. These cracks can vary from sizes that are hairline to more than 1/8 inch in width. Most cracks in concrete while unsightly do not significantly impact long-term performance. While it is possible to take measures (proper concrete mix, placement, curing, control joints, etc.) to reduce the extent and size of cracks that occur, some

cracking will occur despite the best efforts to minimize it. Concrete undergoes chemical processes that are dependent on a wide range of variables, which are difficult, at best, to control. Concrete, while seemingly a stable material, is subject to internal expansion and contraction due to external changes over time.

One of the simplest means to control cracking is to provide weakened control joints for cracking to occur along. These do not prevent cracks from developing; they simply provide a relief point for the stresses that develop. These joints are a widely accepted means to control cracks but are not always effective. Control joints are more effective the more closely spaced they are. GeoTek suggests that control joints be placed in two orthogonal directions and located a distance apart approximately equal to 24 to 36 times the slab thickness.

5.7 PLAN REVIEW AND CONSTRUCTION OBSERVATIONS

It is recommended that site grading, specifications, and foundation plans be reviewed by this office prior to construction to check for conformance with the recommendations of this report. It is also recommended that GeoTek representatives be present during site grading and foundation construction to observe and document for proper implementation of the geotechnical recommendations. The owner/developer should have GeoTek perform at least the following duties:

- Observe site clearing and grubbing operations for proper removal of all unsuitable materials.
- Observe and test bottom of removals prior to fill placement.
- Evaluate the suitability of on-site and import materials for fill placement and collect soil samples for laboratory testing where necessary.
- Observe the fill for uniformity during placement, including utility trench excavation backfill. Also, test the fill for density, relative compaction and moisture content.
- Observe and probe foundation excavations to confirm suitability of bearing materials with respect to density.

If requested, a construction observation and compaction report can be provided by GeoTek which can comply with the requirements of the governmental agencies having jurisdiction over the project. It is recommended that these agencies be notified prior to commencement of construction so that necessary grading permits can be obtained.

6. INTENT

It is the intent of this report to aid in the design and construction of the proposed development. Implementation of the advice presented in this report is intended to reduce risk associated with construction projects. The professional opinions and geotechnical advice contained in this report are not intended to imply total performance of the project or guarantee that unusual or variable conditions will not be discovered during or after construction.

The scope of this evaluation is limited to the area explored that is shown on the Exploration Location Map (Figure 2). This evaluation does not and should in no way be construed to encompass any areas beyond the specific area of the proposed construction as indicated to GeoTek by the client. Further, no evaluation of any existing site improvements is included. The scope is based on GeoTek's understanding of the project and the client's needs, GeoTek's proposal (Proposal No. P-0902521-CR) dated September 13, 2021 and geotechnical engineering standards normally used on similar projects in this region.

7. LIMITATIONS

GeoTek's findings are based on site conditions observed and the stated sources. Thus, GeoTek's comments are professional opinions that are limited to the extent of the available data.

GeoTek has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the engineering at this time and location and science professions currently practicing under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this report.

Since GeoTek's recommendations are based on the site conditions observed and encountered at the stated times and laboratory testing. Thus, GeoTek's conclusions and recommendations are professional opinions that are limited to the extent of the available data. Observations during construction are important to allow for any change in recommendations found to be warranted. These opinions have been derived in accordance with current standards of practice and no warranty of any kind is expressed or implied. Standards of care/practice are subject to change with time.

8. SELECTED REFERENCES

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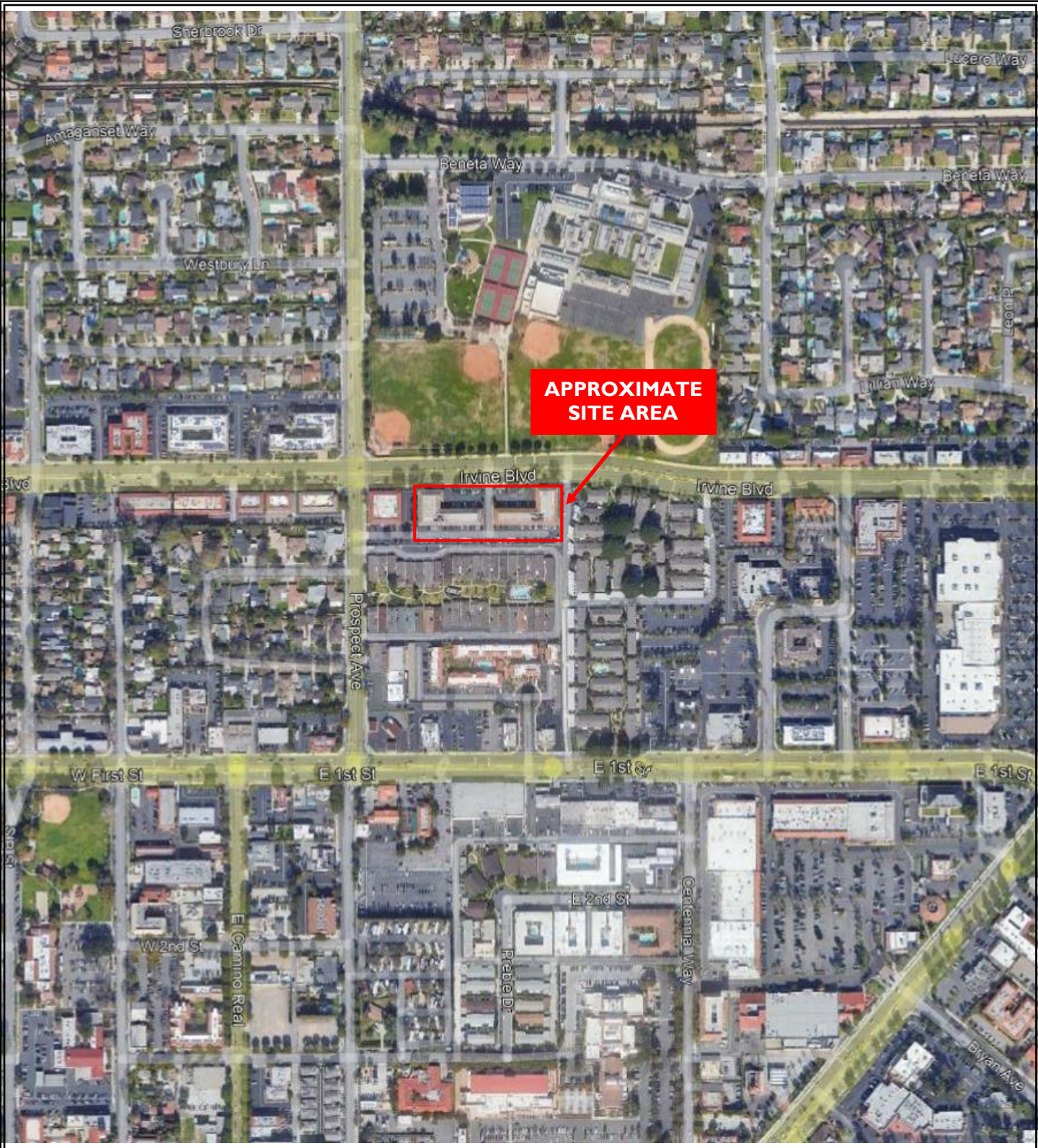


Modified from Google Earth Pro Aerial Imagery

1000 Ft.

Intracorp Companies
17802 Irvine Blvd.
Tustin, Orange County, California

GeoTek Project No. 2901-CR

NORTH

Figure 1

Site Location Map

GEOTEK



Intracorp Companies
17802 Irvine Blvd.
Tustin, Orange County, California

GeoTek Project No. 2901-CR

Scale As Shown

Figure 2

Exploration Location Map

GEOTEK

APPENDIX A

LOG OF EXPLORATORY BORINGS

Proposed 40 Unit Residential Development

17802 Irvine Boulevard

Tustin, Orange County, California

Project No. 2901-CR

GEOTEK

A - FIELD TESTING AND SAMPLING PROCEDURES

The Modified Split-Barrel Sampler (Ring)

The Ring sampler is driven into the ground at various depths in accordance with ASTM D 3550 test procedures. The sampler, with an external diameter of 3.0 inches, is lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sampler is typically driven into the ground 12 or 18 inches with a 140-pound hammer free falling from a height of 30 inches. Blow counts are recorded for every 6 inches of penetration as indicated on the log of boring. The samples are removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

Bulk Samples (Large)

These samples are normally large bags of earth materials over 20 pounds in weight collected from the field by means of hand digging or exploratory cuttings.

Bulk Samples (Small)

These are plastic bag samples which are normally airtight and contain less than 5 pounds in weight of earth materials collected from the field by means of hand digging or exploratory cuttings. These samples are primarily used for determining natural moisture content and classification indices.

B - BORING LOG LEGEND

The following abbreviations and symbols often appear in the classification and description of soil and rock on the log of borings:

SOILS

USCS	Unified Soil Classification System
f-c	Fine to coarse
f-m	Fine to medium

GEOLOGIC

B: Attitudes	Bedding: strike/dip
J: Attitudes	Joint: strike/dip
C: Contact line	
……..	Dashed line denotes USCS material change
———	Solid Line denotes unit / formational change
———	Thick solid line denotes end of boring

(Additional denotations and symbols are provided on the boring log)

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-1

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					3.5" asphalt concrete / 3" aggregate base			
					Younger alluvium:			EI, SR
				SM	silty f-m SAND, light brown, slightly moist			
5		7 8 10			silty f-m SAND, light brown, slightly moist, medium dense	3.2	109.7	HC
		10 10 13			silty f-m SAND, yellow brown, slightly moist, medium dense	2.9	111.4	
10		11 13 14			silty f-m SAND, yellow brown, slightly moist, medium dense, trace f-c gravel			
15		40 50/5		GM	f-c GRAVEl with f-m sand, brown/grey, dry, dense			
20		20 37 47		GP	f-c GRAVEL, grey, dry, very dense	3.7		
					BORING TERMINATED AT 21.5 FEET			
					No groundwater encountered Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	**Boring No.: B-2** / MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					5" asphalt concrete / 4" aggregate base			
					Younger alluvium:			
				SM	silty f-m SAND, brown, slightly moist			
5		3 3 4			silty f-m SAND, brown, slightly moist, loose, trace clay	6.4	113.6	HC
		2 4 6				9.3	120.5	
10		6 11 12			silty f-m SAND, brown, slightly moist, medium dense, some f-c gravel			
15		50/6		GP	coarse GRAVEL, grey, dry, dense			
20		35 50/6		SP	f-m SAND, light brown, slightly moist, dense, with f-c gravel			
					BORING TERMINATED AT 21.0 FEET			
					No groundwater encountered Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-3

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					2" asphalt concrete / 4" aggregate base			
					Younger alluvium:			MD, SH
				SM	silty f-m SAND, brown, slightly moist, trace f-c gravel			
5								
		3 3 4			silty f-m SAND, brown, slightly moist, loose	7.7	109.9	
		3 3 4			silty f-m SAND, brown, slightly moist, loose, trace f-c gravel	9.1	110.7	
10		10 15 26			same as above, medium dense			
15		50/6			silty f-m SAND, brown, slightly moist, dense, trace f-c gravel	1.8		
20		45 50/6			f-c SAND, brown, slightly moist, dense, with f-c gravel			
					BORING TERMINATED AT 21.0 FEET			
					No groundwater encountered Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-4

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					4" asphalt concrete / 7" aggregate base			
					Younger alluvium:			
				SM	silty f SAND, light brown, dry			
					same as above			
5		13 29 18		SP	f-m SAND, light brown, dry, dense, trace silt and f-c gravel			
		10 10 13		SM	silty f-m SAND, brown, slightly moist, medium dense, trace f-c gravel	3.4	109.6	
10		11 17 22				4.2		
15		40 50/5		GP	f-c GRAVEL, brown, slightly moist, dense	3.0		
20		45 50/5			course GRAVEL, grey, dry, dense	0.5		
					BORING TERMINATED AT 21.0 FEET			
					No groundwater encountered Boring backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Boring No.: B-5

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					2" asphalt concrete / 4" aggregate base			
					Younger alluvium:			EI, SR
				SM	silty f-m SAND, brown, moist			
5		3 4 4			slightly f-m SAND, brown, moist, loose	10.3	119.4	
		2 4 4				12.0	118.2	HC
10		4 6 7			silty f-m SAND, brown, moist, trace c gravel, loose	8.2	121.8	HC
15		50/6		GM	c GRAVEL with silty f-m sand, brown, slightly moist, dense			
20		50/6		GP	cobble, grey, dry, dense			
25					refusal at 27 feet			
					BORING TERMINATED AT 27.0 FEET			
30					No groundwater encountered Boring backfilled with soil cuttings			

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	**Boring No.: I-1** / MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					4" asphalt concrete / 4" aggregate base			
					Younger alluvium:			
				SM	silty f-m SAND, light brown, dry			
					silty f-m SAND, light brown, dry			
5					**BORING TERMINATED AT 5.0 FEET**			
					No groundwater encountered			
					Boring backfilled with soil cuttings			
10								
15								
20								
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	Intracorp Companies	**DRILLER:**	2R Drilling	**LOGGED BY:**	CD
PROJECT NAME:	17802 Irvine Blvd.	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Miguel/Bishop
PROJECT NO.:	2901-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	CME 75
LOCATION:	Tustin, CA			**DATE:**	10/5/2021

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	**Boring No.: I-2** / MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					3" asphalt concrete / 4" aggregate base			
					Younger alluvium:			
				SM	silty f-m SAND, brown, slightly moist			
5					**BORING TERMINATED AT 5.0 FEET**			
					No groundwater encountered			
					Boring backfilled with soil cuttings			
10								
15								
20								
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; HC= Consolidation; MD = Maximum Density

APPENDIX B

RESULTS OF LABORATORY TESTING

Proposed 40 Unit Residential Development
17802 Irvine Boulevard
Tustin, Orange County, California
Project No. 2901-CR

GEOTEK

SUMMARY OF LABORATORY TESTING

Classification

Soils were classified visually in general accordance with the Unified Soil Classification System (ASTM Test Method D 2487). The soil classifications are shown on the logs of borings in Appendix A.

Hydro-Collapse

Selected soil samples were tested in order to evaluate their potential for hydro-collapse. Testing was performed in general accordance with ASTM Test Method D 4546. The results of the testing are provided herein.

Direct Shear

Shear testing was performed on a remolded sample in a direct shear machine of the strain-control type in general accordance with ASTM Test Method D 3080. The rate of deformation is approximately 0.035 inch per minute. The samples were sheared under varying confining loads in order to determine the coulomb shear strength parameters, angle of internal friction and cohesion. The samples were remolded to approximately 90 percent of the maximum dry density as determined by ASTM D 1557 test procedures. The results of the testing are presented in Appendix B.

Expansion Index

Expansion Index testing was performed on two (2) bulk soil samples obtained from the site. Testing was performed in general accordance with ASTM Test Method D 4829. The results of the testing are provided below.

Boring No.	Depth (ft.)	Description	Expansion Index	Classification
B-1	0-5	Silty Sand	15	Very Low
B-5	0-5	Silty Sand	6	Very Low

In-Situ Moisture and Density

The natural water content of sampled soils was determined in general accordance with ASTM D 2216 test procedures on samples of the materials recovered from the subsurface exploration. In addition, in-place dry density of the sampled soils was determined in general accordance with ASTM D 2937 test procedures on relatively undisturbed samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths in Appendix A.

Moisture-Density Relationship

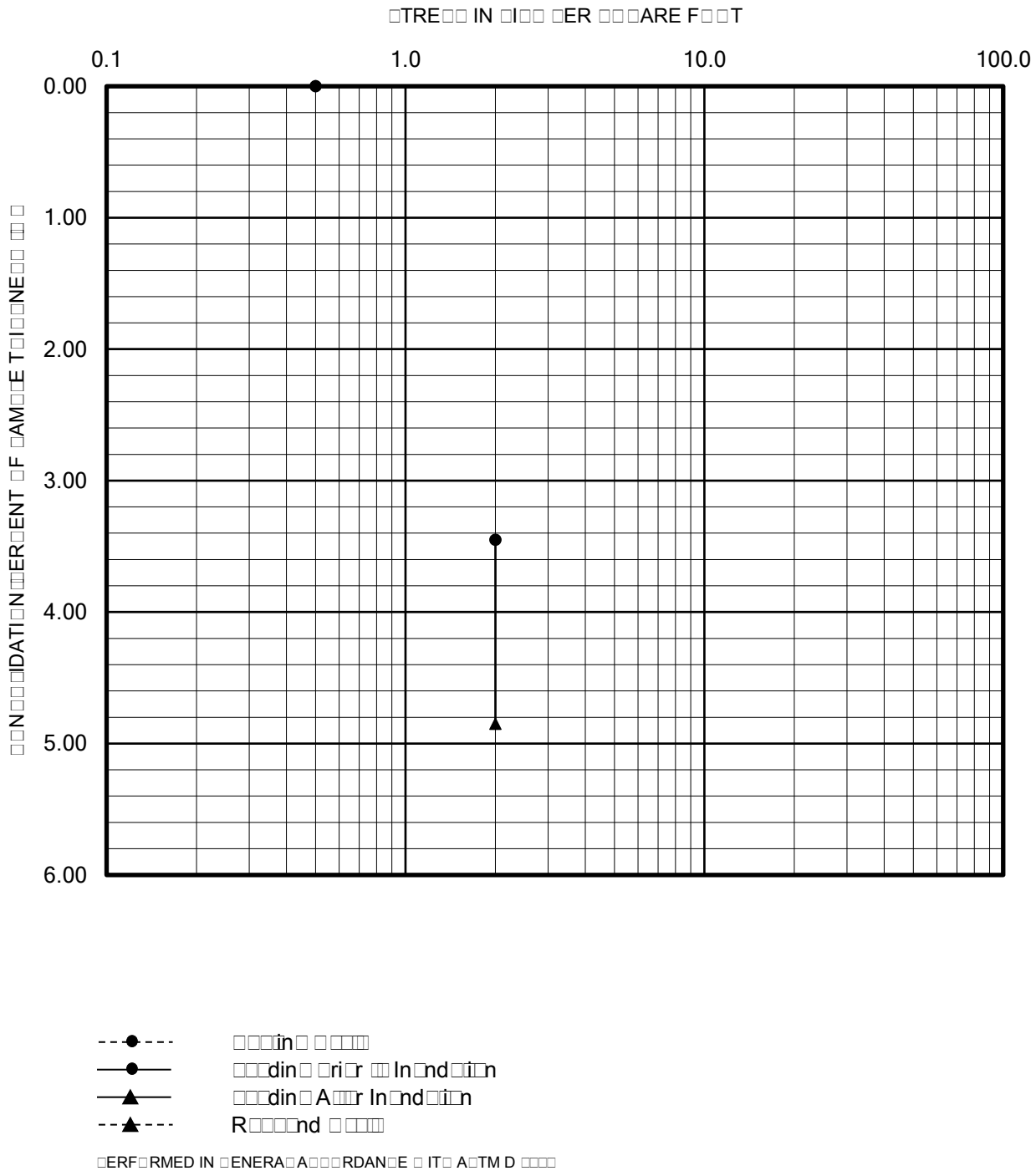
Laboratory testing was performed on one bulk sample collected during the subsurface exploration. The laboratory maximum dry density and optimum moisture content for the soil type was determined in general accordance with test method ASTM Test Procedure D 1557. The results of the testing are provided in Appendix B.

Sulfate Content, Resistivity and Chloride Content

Testing to determine the water-soluble sulfate content was performed by others in general accordance with ASTM D4327 test procedures. Resistivity testing was completed by others in general accordance with ASTM G187 test procedures. Testing to determine the chloride content was performed by others

in general accordance with ASTM D4327 test procedures. The results of the testing are provided below and in Appendix B.

Boring No.	Depth (ft.)	pH ASTM D4972	Chloride ASTM D4327 (mg/kg)	Sulfate ASTM D4327 (% by weight)	Resistivity ASTM G187 (ohm-cm)
B-1	0-5	8.9	10.1	0.0058	3,819
B-5	0-5	8.6	56.9	0.0173	3,283



□ERF□RMED IN □ENERA□ A□□□RDAN□E □ IT□ A□TM D □□□□

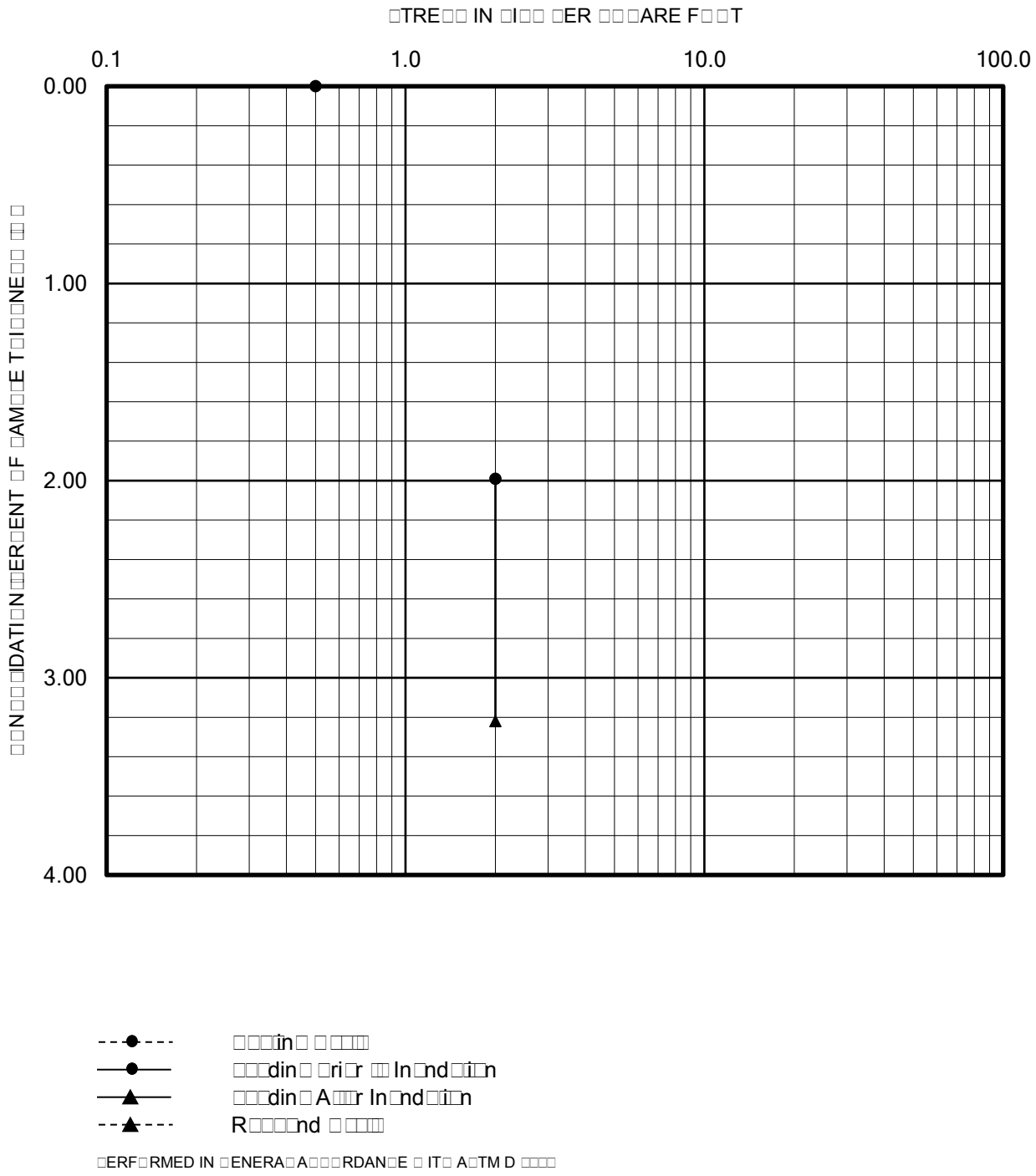
GEOTEK

COLLAPSE REPORT

Sample: B-1 @ 6 feet

Plate B-1

□□E□□ED □□□DA	□□□□□□ □r□n□
□R□ □E□T N□ □□□□□□□□□R	D□□□□□□□□□□□□□



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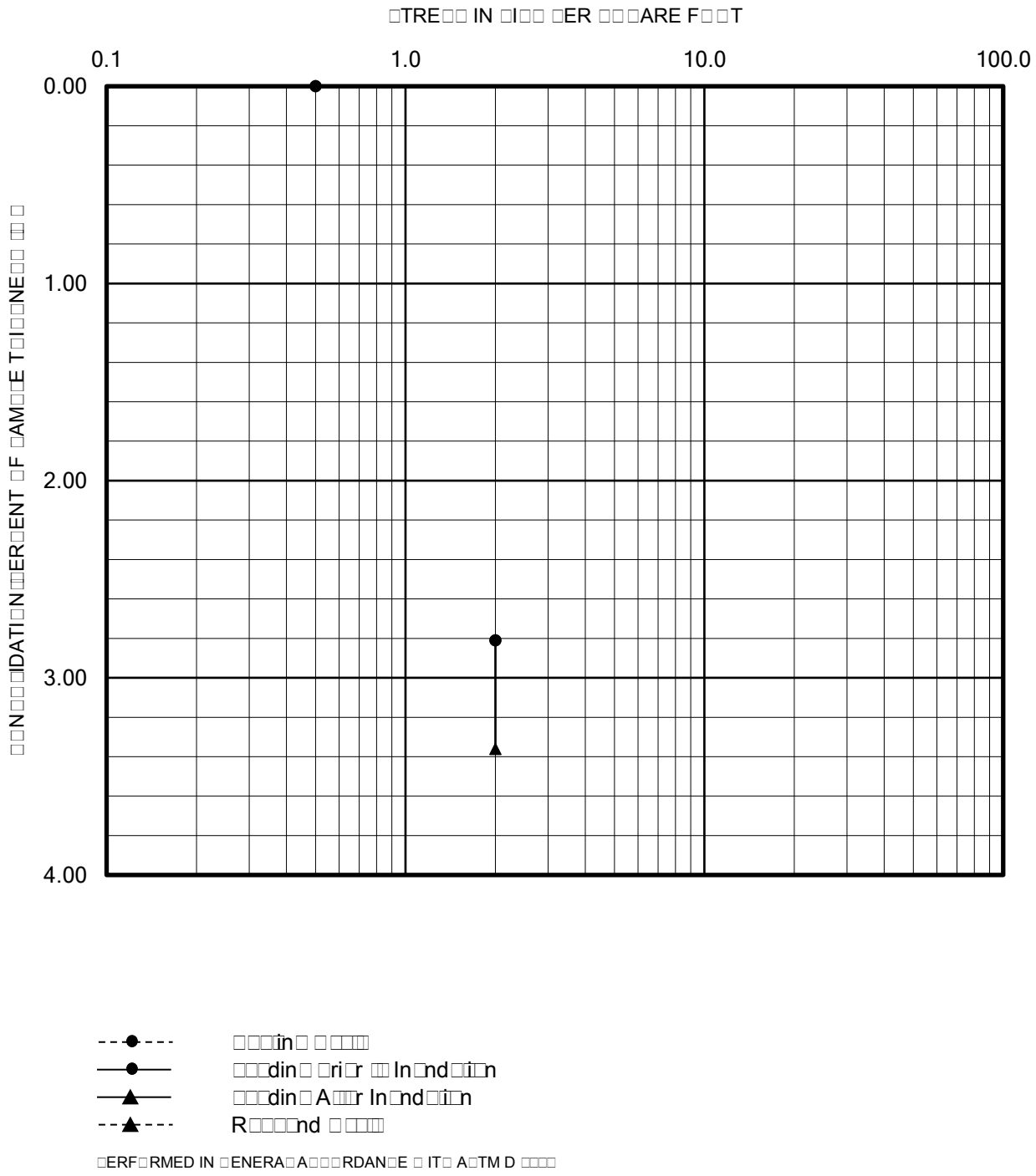
GEOTEK

COLLAPSE REPORT

Sample: B-2 @ 5 feet

Plate B-2

□□E□□ED □□□DA	□□□□□□ □r□n□
□R□ □E□T N□ □□□□□□□□□R	D□□□□□□□□□□□□□



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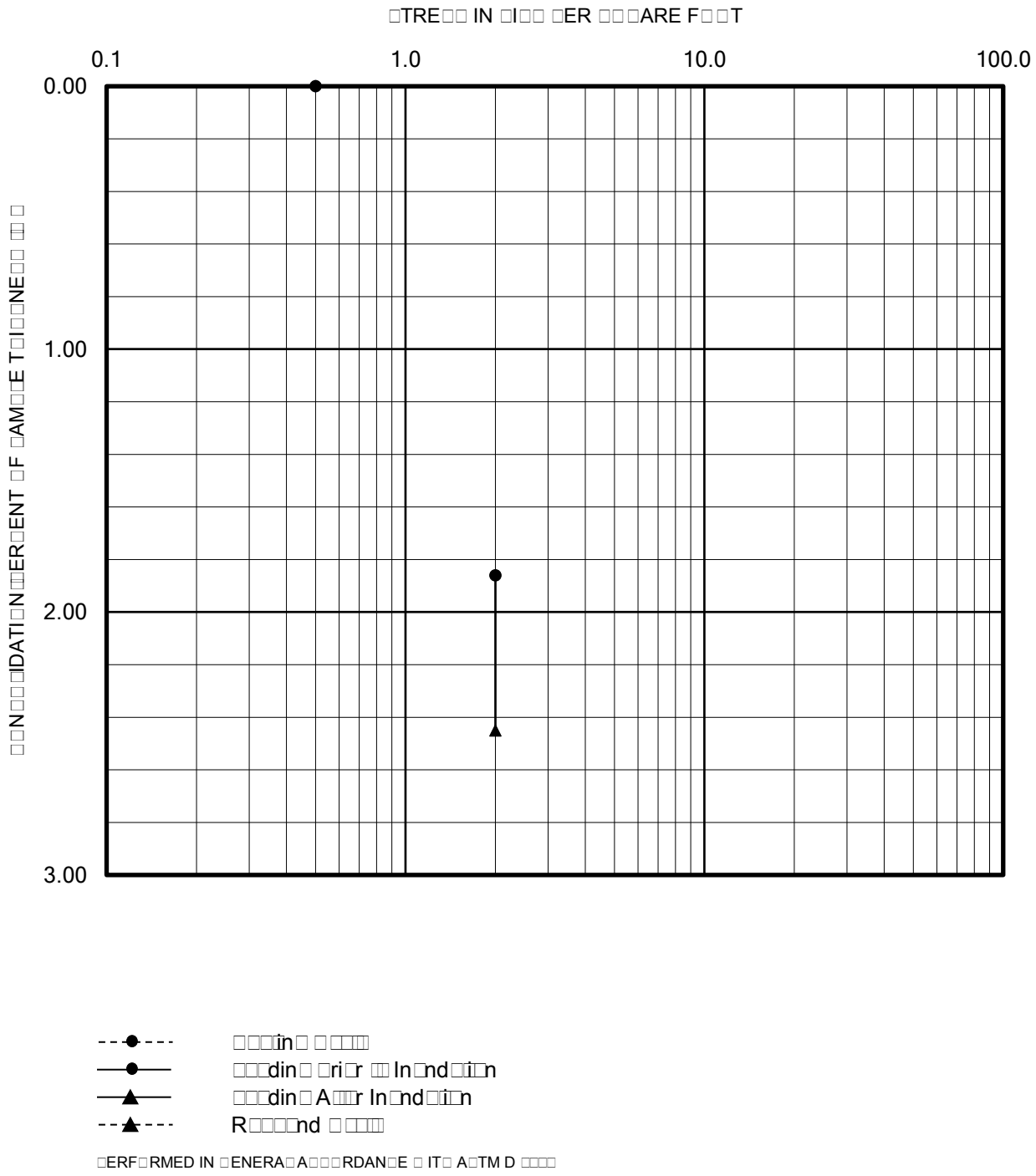
GEOTEK

COLLAPSE REPORT

Sample: B-5 @ 7.5 feet

Plate B-3

□□E□□ED □□□DA	□□□□□□ □r□n□
□R□ □E□T N□ □□□□□□□□□R	D□□□□□□□□□□□□□



□ERF□RMED IN □ENERA□ A□□□RDAN□E □ IT□ A□TM D □□□□

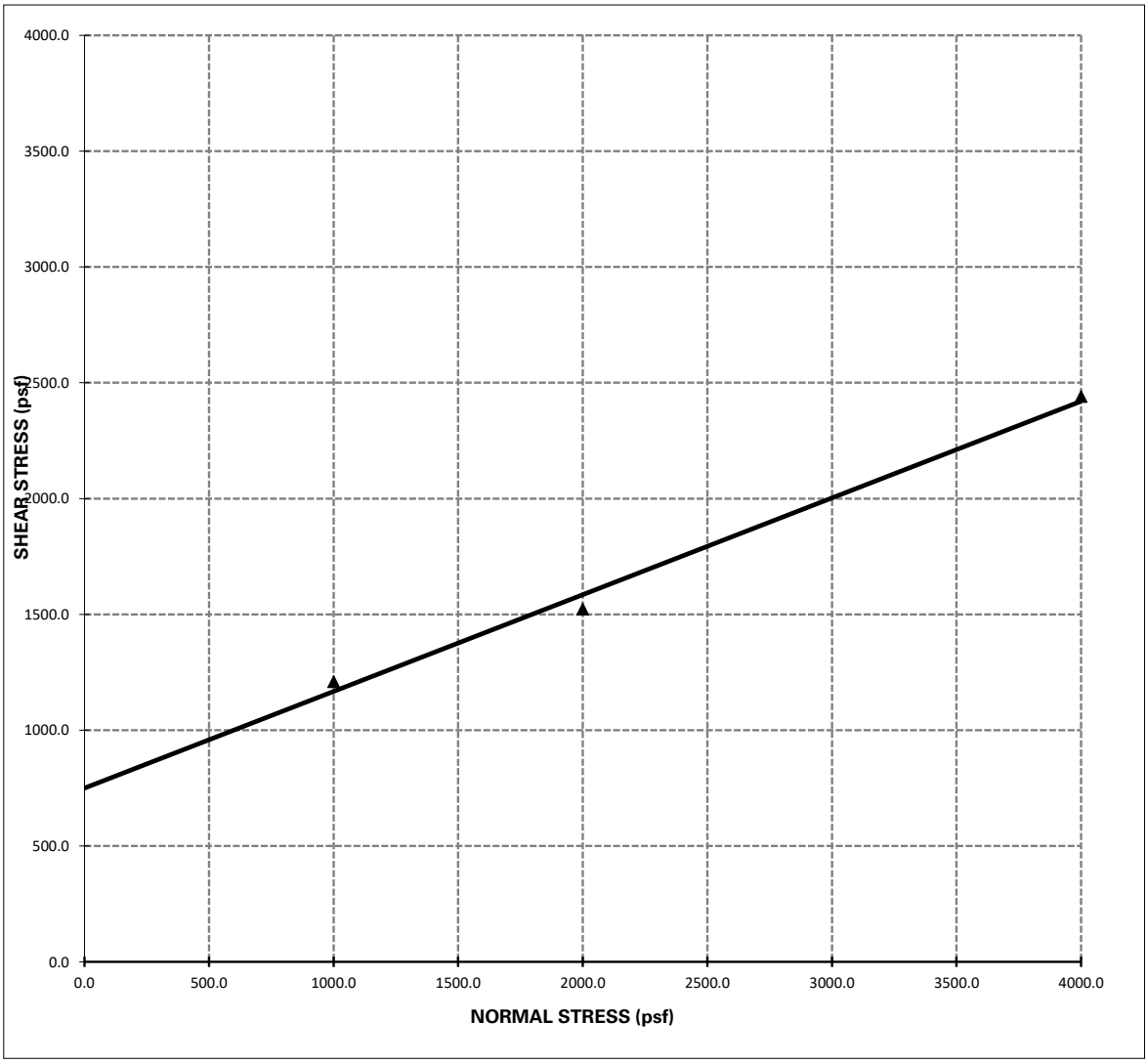
GEOTEK	**COLLAPSE REPORT** **Sample: B-5 @ 10 feet**
□□E□□ED □□□DA	□□□□□□r□n□
□R□ □E□T N□ □□□□□□□□□R	D□□□□□□□□□□□□□

Plate B-4

DIRECT SHEAR TEST

Project Name:	17802 Irvine Boulevard, Tustin	***Sample Location:***	B-3 @ 0-5 feet
Project Number:	2901-CR	***Date Tested:***	10/19/2021

PEAK VALUE



Shear Strength: Φ = **23** ^{o} , **C = 750 psf**

Notes: 1 - The soil specimen used in the shear box was a ring sample remolded to approximately 90% relative compaction from a bulk sample collected during the field investigation.

2 - The above reflect direct shear strength at saturated conditions.

3 - The tests were run at a shear rate of 0.035 in/min.

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	Intracorp SW LLC	***Tested/ Checked By:***	DA Lab No Corona
Project Number:	2901-CR	***Date Tested:***	10/14/2021
Project Location:	17802 Irvine Boulevard, Tustin	***Sample Source:***	B-5 @ 0-5 feet
		Sample Description:	

Ring #:_____ Ring Dia. : 4.01" Ring Ht.:1"

DENSITY DETERMINATION

A	Weight of compacted sample & ring (gm)	768.6
B	Weight of ring (gm)	365.6
C	Net weight of sample (gm)	**403.0**
D	Wet Density, lb / ft3 (C*0.3016)	**121.5**
E	Dry Density, lb / ft3 (D/1.F)	**110.8**

SATURATION DETERMINATION

F	Moisture Content, %	9.7
G	Specific Gravity, assumed	**2.70**
H	Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
I	% Saturation	**50.3**

READINGS

DATE	TIME	READING	
10/14/2021		0.5310	Initial
10/14/2021		0.5320	10 min/Dry
10/15/2021		0.5380	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
791.1	**15.3**

EXPANSION INDEX = 6

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	Intracorp SW LLC	***Tested/ Checked By:***	DA Lab No Corona
Project Number:	2901-CR	***Date Tested:***	10/14/2021
Project Location:	17802 Irvine Boulevard, Tustin	***Sample Source:***	B-1 @ 0-5 feet
		Sample Description:	

Ring #: _____ Ring Dia. : 4.01" Ring Ht.:1"

DENSITY DETERMINATION

A	Weight of compacted sample & ring (gm)	769.4
B	Weight of ring (gm)	362.2
C	Net weight of sample (gm)	**407.2**
D	Wet Density, lb / ft3 (C*0.3016)	**122.8**
E	Dry Density, lb / ft3 (D/1.F)	**112.9**

SATURATION DETERMINATION

F	Moisture Content, %	8.8
G	Specific Gravity, assumed	**2.70**
H	Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
I	% Saturation	**48.2**

READINGS

DATE	TIME	READING	
10/14/2021		0.1350	Initial
10/14/2021		0.1350	10 min/Dry
10/15/2021		0.1500	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
803.6	**17.2**

EXPANSION INDEX = 15

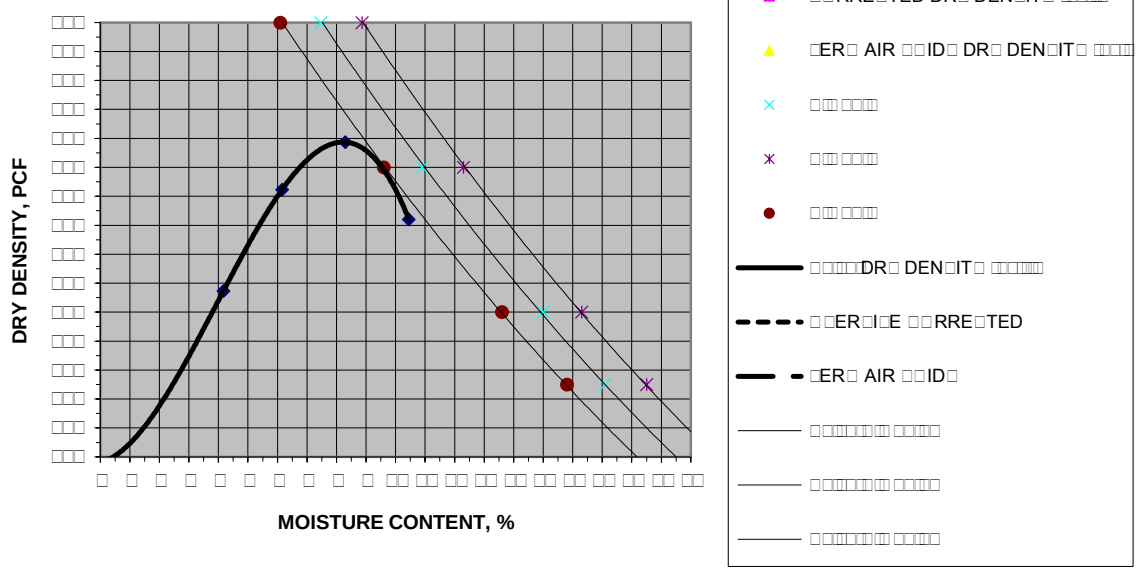
GEOTEK

MOISTURE/DENSITY RELATIONSHIP

Client: In□r□□□r□ □□ □□□ **Job No.:** □□□□□□□R
Project: □□□□□□ Ir□in□ □□d **Lab No.:** □□r□n□
Location: T□□□in
Material Type: □r□□n □i□□□ □□nd
Material Supplier: □
Material Source: □□□ □ □□□ □□□□
Sample Location: □
□
Sampled By: □D **Date Sampled:** □□□□□□□□□□
Received By: AD□□ **Date Received:** □□□□□□□□□□
Tested By: AD□□ **Date Tested:** □□□□□□□□□□
Reviewed By: DA **Date Reviewed:** □□□□□□□□□□

Test Procedure: A□TM D□□□□ **Method:** A
Oversized Material (%): □□□□ **Correction Required:** ☐ yes ☒ no

MOISTURE/DENSITY RELATIONSHIP CURVE



MOISTURE DENSITY RELATIONSHIP VALUES

Maximum Dry Density, pcf □□□□□ **@ Optimum Moisture, %** □□□
Corrected Maximum Dry Density, pcf **@ Optimum Moisture, %**

MATERIAL DESCRIPTION

Grain Size Distribution:

□ □r□□□□r□□□in□d □n N□□□□
□ □□nd □□□□in□ N□□□□R□□□in□d □n N□□□□□□
□ □i□□□nd □□□□ □□□□in□ N□□□□□□

Atterberg Limits:

□i□□id □i□i□□□
□□□□i□ □i□i□□□
□□□□i□i□□ Ind□□□

Classification:

□ni□□d □□i□□ □ □□□□i□□□i□n□
AA□□T□ □□i□□ □ □□□□i□□□i□n□

Results Only Soil Testing for 17802 Irvin Blvd, Tustin

October 14, 2021

Prepared for:

Bruce Hick
GeoTek, Inc.
1548 North Maple Street
Corona, CA 92280
bhicks@geotekusa.com

Project X Job#: S211013F
Client Job or PO#: 2902-CR Intra Corp. Companies

Respectfully Submitted,





Eduardo Hernandez, M.Sc., P.E.
Sr. Corrosion Consultant
NACE Corrosion Technologist #16592
Professional Engineer
California No. M37102
ehernandez@projectxcorrosion.com

Soil Analysis Lab Results

Client: GeoTek, Inc.
Job Name: 17802 Irvin Blvd, Tustin
Client Job Number: 2902-CR Intra Corp. Companies
Project X Job Number: S211013F
October 14, 2021

	Method	ASTM D4327		ASTM D4327		ASTM G187		ASTM D4972	ASTM G200	ASTM D4658	ASTM D4327	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D4327	ASTM D4327
Bore# / Description	**Depth**	**Sulfates** SO_4^{2-}		**Chlorides** Cl^-		**Resistivity** As Rec'd | Minimum		**pH**	**Redox**	**Sulfide** S^{2-}	**Nitrate** NO_3^-	**Ammonium** NH_4^+	**Lithium** Li^+	**Sodium** Na^+	**Potassium** K^+	**Magnesium** Mg^{2+}	**Calcium** Ca^{2+}	**Fluoride** F_2^{--}	**Phosphate** PO_4^{3-}
	(ft)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(Ohm-cm)	(Ohm-cm)		(mV)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2901-CR B5	0-5	172.8	0.0173	56.9	0.0057	8,710	3,283	8.6	140	0.11	12.7	0.2	ND	85.7	4.9	34.1	17.4	4.5	10.9
2901-CR B1	0-5	57.9	0.0058	10.1	0.0010	24,120	3,819	8.9	139	0.29	12.6	0.9	ND	106.1	5.5	22.8	21.3	3.4	2.4

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
ND = 0 = Not Detected | NT = Not Tested | Unk = Unknown
Chemical Analysis performed on 1:3 Soil-To-Water extract
PPM = mg/kg (soil) = mg/L (Liquid)

Project X
Corrosion Engineering
Corrosion Control · Soil, Water, and Metallurgy Lab

Lab Request Sheet Chain of Custody
Phone: (213) 928-7213 · Fax (951) 226-1720 · www.projectxcorrosion.com

Ship Samples To: 29990 Technology Dr, Suite 13, Murrieta, CA 92563

Project X Job Number: S211013E Geotek 2901-CR 17802 Irvin Blvd. 2 Full

IMPORTANT: Please complete Project and Sample Identification Data as you would like it to appear in report & include this form with samples.

Company Name:	Geotek USA	**Contact Name:**	Bruce Hick
Phone No:	661-233-5229		
Mailing Address:	1548 N. Maple Ave. Corona, CA	**Contact Email:**	bhick@geotekusa.com
Accounting Contact:		**Invoice Email:**	bhick@geotekusa.com
Client Project No:	2901-CR Intra Corp. Companius	**Project Name:**	17802 Irvin Blvd. Tustin

P.O. #: | 3-5 Day Standard | 3 Day Guarantee 50% mark-up | 2 Day RUSH 100% mark-up

(Business Days) Turn Around Time:

Results By: ☐ Phone ☐ Fax ☐ Email

Date & Received by : 10/13/21 A.C

Default Method

Special Instructions:

ANALYSIS REQUESTED (Please circle)

	SAMPLE ID - BORE #	DEPTH (ft)	DATE COLLECTED
99	1	2901-CR B5	0-5	
100	2	2901-CR B1	0-5	
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
	12			
	13			
	14			
	15			

| | Caltrans CTM643 | Caltrans CTM643 | Caltrans CTM417 | Caltrans CTM422 | | |

APPENDIX C

PERCOLATION DATA SHEETS & PORCHET CALCULATIONS

Proposed 40 Unit Residential Development

17802 Irvine Boulevard

Tustin, Orange County, California

Project No. 2901-CR

GEOTEK

Client:	**Intracorp SW, LLC**
Project:	**17802 Irvine Blvd, Tustin**
Project No:	**2901-CR**
Date:	**10/6/2021**

Boring No. **I-1**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	10
Final Depth to Water, D_F =	43
Test Hole Radius, r =	4
Initial Depth to Water, D_O =	40
Total Test Hole Depth, D_T =	60

Equation - $I_t = \dfrac{\Delta H\,(60r)}{\Delta t\,(r+2H_{avg})}$

$H_O = D_T - D_O$ =	20
$H_F = D_T - D_F$ =	17
$\Delta H = \Delta D = H_O - H_F$ =	3
$H_{avg} = (H_O+H_F)/2$ =	18.5

I_t = 1.76 **Inches pe**

GEOTEK

Client:	**Intracorp SW, LLC**
Project:	**17802 Irvine Blvd, Tustin**
Project No:	**2901-CR**
Date:	**10/6/2021**

Boring No. **I-2**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	10
Final Depth to Water, D_F =	43
Test Hole Radius, r =	4
Initial Depth to Water, D_O =	40
Total Test Hole Depth, D_T =	60

Equation - $I_t = \dfrac{\Delta H\,(60r)}{\Delta t\,(r+2H_{avg})}$

$H_O = D_T - D_O$ =	20
$H_F = D_T - D_F$ =	17
$\Delta H = \Delta D = H_O - H_F$ =	3
$H_{avg} = (H_O+H_F)/2$ =	18.5

I_t = 1.76 **Inches pe**

GEOTEK

Percolation Test Data Sheet

Project: Intracorp Companies 17802 Irvine Blvd Tustin CA Job No.: 2901-CR

Test Hole No.: I-1 Date Excavated: 10/5/21

Depth of Test Hole (ft): 5ft Soil Description: Silty F-M Sand

Percolation Test By: C.D Date: 10/6/21 Presoak: Yes

Percolation Test Data

Time	Time Interval (min)	Total Elapsed Time (min)	Initial Water Level (inches)	Final Water Level (inches)	Δ in Water Level (inches)	Percolation Rate (min/inch)
6:58 7:23	25	25	20	12	8	
7:24 7:49	25	51	20	12 ½	7.5	
7:50 8:00	10	62	20	17	3	
8:01 8:11	10	73	20	17	3	
8:12 8:22	10	84	20	17	3	
8:23 8:33	10	95	20	17	3	
8:34 8:44	10	106	20	17	3	
8:45 8:55	10	117	20	17	3	

Design Percolation Rate: min/inch

Percolation Test Data Sheet

Project: Intra corp. Companies 17802 Irvine Blvd - Tustin CA Job No.: 2901-CR

Test Hole No.: I-2 Date Excavated: 10/5/21

Depth of Test Hole (ft): 5ft Soil Description: Silty F-M Sand

Percolation Test By: C.D Date: 10/6/21 Presoak: Yes

Percolation Test Data

Time	Time Interval (min)	Total Elapsed Time (min)	Initial Water Level (inches)	Final Water Level (inches)	Δ in Water Level (inches)	Percolation Rate (min/inch)
6:51 7:16	25	25	20	13	7	
7:17 7:42	25	51	20	13 ½	6.5	
7:43 7:53	10	62	20	17 ½	2.5	
7:54 8:04	10	73	20	17	3	
8:05 8:15	10	84	20	17	3	
8:16 8:26	10	95	20	17	3	
8:27 8:37	10	106	20	17	3	
8:38 8:48	10	117	20	17	3	

Design Percolation Rate: min/inch

APPENDIX D

GENERAL GRADING GUIDELINES

Proposed 40 Unit Residential Development
17802 Irvine Boulevard
Tustin, Orange County, California
Project No. 2901-CR

GEOTEK

GENERAL GRADING GUIDELINES

Guidelines presented herein are intended to address general construction procedures for earthwork construction. Specific situations and conditions often arise which cannot reasonably be discussed in general guidelines, when anticipated these are discussed in the text of the report. Often unanticipated conditions are encountered which may necessitate modification or changes to these guidelines. It is our hope that these will assist the contractor to more efficiently complete the project by providing a reasonable understanding of the procedures that would be expected during earthwork and the testing and observation used to evaluate those procedures.

General

Grading should be performed to at least the minimum requirements of governing agencies, Chapters 18 and 33 of the Uniform Building Code, CBC (2019) and the guidelines presented below.

Preconstruction Meeting

A preconstruction meeting should be held prior to site earthwork. Any questions the contractor has regarding our recommendations, general site conditions, apparent discrepancies between reported and actual conditions and/or differences in procedures the contractor intends to use should be brought up at that meeting. The contractor (including the main onsite representative) should review our report and these guidelines in advance of the meeting. Any comments the contractor may have regarding these guidelines should be brought up at that meeting.

Grading Observation and Testing

1. Observation of the fill placement should be provided by our representative during grading. Verbal communication during the course of each day will be used to inform the contractor of test results. The contractor should receive a copy of the "Daily Field Report" indicating results of field density tests that day. If our representative does not provide the contractor with these reports, our office should be notified.
2. Testing and observation procedures are, by their nature, specific to the work or area observed and location of the tests taken, variability may occur in other locations. The contractor is responsible for the uniformity of the grading operations; our observations and test results are intended to evaluate the contractor's overall level of efforts during grading. The contractor's personnel are the only individuals participating in all aspect of site work. Compaction testing and observation should not be considered as relieving the contractor's responsibility to properly compact the fill.
3. Cleanouts, processed ground to receive fill, key excavations, and subdrains should be observed by our representative prior to placing any fill. It will be the contractor's responsibility to notify our representative or office when such areas are ready for observation.
4. Density tests may be made on the surface material to receive fill, as considered warranted by this firm.
5. In general, density tests would be made at maximum intervals of two feet of fill height or every 1,000 cubic yards of fill placed. Criteria will vary depending on soil conditions and size of the fill. More frequent testing may be performed. In any case, an adequate number of field density tests should be made to evaluate the required compaction and moisture content is generally being obtained.

6. Laboratory testing to support field test procedures will be performed, as considered warranted, based on conditions encountered (e.g. change of material sources, types, etc.) Every effort will be made to process samples in the laboratory as quickly as possible and in progress construction projects are our first priority. However, laboratory workloads may cause in delays and some soils may require a **minimum of 48 to 72 hours to complete test procedures**. Whenever possible, our representative(s) should be informed in advance of operational changes that might result in different source areas for materials.
7. Procedures for testing of fill slopes are as follows:
   a) Density tests should be taken periodically during grading on the flat surface of the fill, three to five feet horizontally from the face of the slope.
   b) If a method other than over building and cutting back to the compacted core is to be employed, slope compaction testing during construction should include testing the outer six inches to three feet in the slope face to determine if the required compaction is being achieved.
8. Finish grade testing of slopes and pad surfaces should be performed after construction is complete.

Site Clearing

1. All vegetation, and other deleterious materials, should be removed from the site. If material is not immediately removed from the site it should be stockpiled in a designated area(s) well outside of all current work areas and delineated with flagging or other means. Site clearing should be performed in advance of any grading in a specific area.
2. Efforts should be made by the contractor to remove all organic or other deleterious material from the fill, as even the most diligent efforts may result in the incorporation of some materials. This is especially important when grading is occurring near the natural grade. All equipment operators should be aware of these efforts. Laborers may be required as root pickers.
3. Nonorganic debris or concrete may be placed in deeper fill areas provided the procedures used are observed and found acceptable by our representative. Typical procedures are similar to those indicated on Plate G-4.

Treatment of Existing Ground

1. Following site clearing, all surficial deposits of alluvium and colluvium as well as weathered or creep effected bedrock, should be removed (see Plates G-1, G-2 and G-3) unless otherwise specifically indicated in the text of this report.
2. In some cases, removal may be recommended to a specified depth (e.g. flat sites where partial alluvial removals may be sufficient). The contractor should not exceed these depths unless directed otherwise by our representative.
3. Groundwater existing in alluvial areas may make excavation difficult. Deeper removals than indicated in the text of the report may be necessary due to saturation during winter months.
4. Subsequent to removals, the natural ground should be processed to a depth of six inches, moistened to near optimum moisture conditions and compacted to fill standards.
5. Exploratory back hoe or dozer trenches still remaining after site removal should be excavated and filled with compacted fill if they can be located.

Subdrainage

1. Subdrainage systems should be provided in canyon bottoms prior to placing fill, and behind buttress and stabilization fills and in other areas indicated in the report. Subdrains should conform to schematic diagrams G-1 and G-5, and be acceptable to our representative.
2. For canyon subdrains, runs less than 500 feet may use six-inch pipe. Typically, runs in excess of 500 feet should have the lower end as eight-inch minimum.
3. Filter material should be clean, 1/2 to 1-inch gravel wrapped in a suitable filter fabric. Class 2 permeable filter material per California Department of Transportation Standards tested by this office to verify its suitability, may be used without filter fabric. A sample of the material should be provided to the Soils Engineer by the contractor at least two working days before it is delivered to the site. The filter should be clean with a wide range of sizes.
4. Approximate delineation of anticipated subdrain locations may be offered at 40-scale plan review stage. During grading, this office would evaluate the necessity of placing additional drains.
5. All subdrainage systems should be observed by our representative during construction and prior to covering with compacted fill.
6. Subdrains should outlet into storm drains where possible. Outlets should be located and protected. The need for backflow preventers should be assessed during construction.
7. Consideration should be given to having subdrains located by the project surveyors.

Fill Placement

1. Unless otherwise indicated, all site soil and bedrock may be reused for compacted fill; however, some special processing or handling may be required (see text of report).
2. Material used in the compacting process should be evenly spread, moisture conditioned, processed, and compacted in thin lifts six (6) to eight (8) inches in compacted thickness to obtain a uniformly dense layer. The fill should be placed and compacted on a nearly horizontal plane, unless otherwise found acceptable by our representative.
3. If the moisture content or relative density varies from that recommended by this firm, the contractor should rework the fill until it is in accordance with the following:
    a) Moisture content of the fill should be at or above optimum moisture. Moisture should be evenly distributed without wet and dry pockets. Pre-watering of cut or removal areas should be considered in addition to watering during fill placement, particularly in clay or dry surficial soils. The ability of the contractor to obtain the proper moisture content will control production rates.
    b) Each six-inch layer should be compacted to at least 90 percent of the maximum dry density in compliance with the testing method specified by the controlling governmental agency. In most cases, the testing method is ASTM Test Designation D 1557.
4. Rock fragments less than eight inches in diameter may be utilized in the fill, provided:
    a) They are not placed in concentrated pockets;
    b) There is a sufficient percentage of fine-grained material to surround the rocks;
    c) The distribution of the rocks is observed by, and acceptable to, our representative.
5. Rocks exceeding eight (8) inches in diameter should be taken off site, broken into smaller fragments, or placed in accordance with recommendations of this firm in areas designated suitable for rock disposal (see Plate G-4). On projects where significant large quantities of oversized materials are anticipated, alternate guidelines for placement may be included. If

significant oversize materials are encountered during construction, these guidelines should be requested.

6. In clay soil, dry or large chunks or blocks are common. If in excess of eight (8) inches minimum dimension, then they are considered as oversized. Sheepsfoot compactors or other suitable methods should be used to break up blocks. When dry, they should be moisture conditioned to provide a uniform condition with the surrounding fill.

Slope Construction

1. The contractor should obtain a minimum relative compaction of 90 percent out to the finished slope face of fill slopes. This may be achieved by either overbuilding the slope and cutting back to the compacted core, or by direct compaction of the slope face with suitable equipment.
2. Slopes trimmed to the compacted core should be overbuilt by at least three (3) feet with compaction efforts out to the edge of the false slope. Failure to properly compact the outer edge results in trimming not exposing the compacted core and additional compaction after trimming may be necessary.
3. If fill slopes are built "at grade" using direct compaction methods, then the slope construction should be performed so that a constant gradient is maintained throughout construction. Soil should not be "spilled" over the slope face nor should slopes be "pushed out" to obtain grades. Compaction equipment should compact each lift along the immediate top of slope. Slopes should be back rolled or otherwise compacted at approximately every 4 feet vertically as the slope is built.
4. Corners and bends in slopes should have special attention during construction as these are the most difficult areas to obtain proper compaction.
5. Cut slopes should be cut to the finished surface. Excessive undercutting and smoothing of the face with fill may necessitate stabilization.

Keyways, Buttress and Stabilization Fills

Keyways are needed to provide support for fill slope and various corrective procedures.

1. Side-hill fills should have an equipment-width key at their toe excavated through all surficial soil and into competent material and tilted back into the hill (Plates G-2, G-3). As the fill is elevated, it should be benched through surficial soil and slopewash, and into competent bedrock or other material deemed suitable by our representatives (See Plates G-1, G-2, and G-3).
2. Fill over cut slopes should be constructed in the following manner:
   a) All surficial soils and weathered rock materials should be removed at the cut-fill interface.
   b) A key at least one and one-half (1.5) equipment width wide (or as needed for compaction), and tipped at least one (1) foot into slope, should be excavated into competent materials and observed by our representative.
   c) The cut portion of the slope should be excavated prior to fill placement to evaluate if stabilization is necessary. The contractor should be responsible for any additional earthwork created by placing fill prior to cut excavation. (see Plate G-3 for schematic details.)
3. Daylight cut lots above descending natural slopes may require removal and replacement of the outer portion of the lot. A schematic diagram for this condition is presented on Plate G-2.
4. A basal key is needed for fill slopes extending over natural slopes. A schematic diagram for this condition is presented on Plate G-2.

5. All fill slopes should be provided with a key unless within the body of a larger overall fill mass. Please refer to Plate G-3 for specific guidelines.

Anticipated buttress and stabilization fills are discussed in the text of the report. The need to stabilize other proposed cut slopes will be evaluated during construction. Plate G-5 shows a schematic of buttress construction.

1. All backcuts should be excavated at gradients of 1:1 or flatter. The backcut configuration should be determined based on the design, exposed conditions, and need to maintain a minimum fill width and provide working room for the equipment.
2. On longer slopes, backcuts and keyways should be excavated in maximum 250 feet long segments. The specific configurations will be determined during construction.
3. All keys should be a minimum of two (2) feet deep at the toe and slope toward the heel at least one foot or two (2%) percent, whichever is greater.
4. Subdrains are to be placed for all stabilization slopes exceeding 10 feet in height. Lower slopes are subject to review. Drains may be required. Guidelines for subdrains are presented on Plate G-5.
5. Benching of backcuts during fill placement is required.

Lot Capping

1. When practical, the upper three (3) feet of material placed below finish grade should be comprised of the least expansive material available. Preferably, highly and very highly expansive materials should not be used. We will attempt to offer advice based on visual evaluations of the materials during grading, but it must be realized that laboratory testing is needed to evaluate the expansive potential of soil. Minimally, this testing takes two (2) to four (4) days to complete.
2. Transition lots (cut and fill) both per plan and those created by remedial grading (e.g. lots above stabilization fills, along daylight lines, above natural slopes, etc.) should be capped with a minimum three foot thick compacted fill blanket.
3. Cut pads should be observed by our representative(s) to evaluate the need for overexcavation and replacement with fill. This may be necessary to reduce water infiltration into highly fractured bedrock or other permeable zones, and/or due to differing expansive potential of materials beneath a structure. The overexcavation should be at least three feet. Deeper overexcavation may be recommended in some cases.

ROCK PLACEMENT AND ROCK FILL GUIDELINES

It is anticipated that large quantities of oversize material would be generated during grading. It's likely that such materials may require special handling for burial. Although alternatives may be developed in the field, the following methods of rock disposal are recommended on a preliminary basis.

Limited Larger Rock

When materials encountered are principally soil with limited quantities of larger rock fragments or boulders, placement in windrows is recommended. The following procedures should be applied:

1. Oversize rock (greater than 8 inches) should be placed in windrows.
    a) Windrows are rows of single file rocks placed to avoid nesting or clusters of rock.
    b) Each adjacent rock should be approximately the same size (within ~one foot in diameter).

c) The maximum rock size allowed in windrows is four feet

2. A minimum vertical distance of three feet between lifts should be maintained. Also, the windrows should be offset from lift to lift. Rock windrows should not be closer than 15 feet to the face of fill slopes and sufficient space must be maintained for proper slope construction (see Plate G-4).
3. Rocks greater than eight inches in diameter should not be placed within seven feet of the finished subgrade for a roadway or pads and should be held below the depth of the lowest utility. This will allow easier trenching for utility lines.
4. Rocks greater than four feet in diameter should be broken down, if possible, or they may be placed in a dozer trench. Each trench should be excavated into the compacted fill a minimum of one foot deeper than the largest diameter of rock.
   a) The rock should be placed in the trench and granular fill materials (SE>30) should be flooded into the trench to fill voids around the rock.
   b) The over size rock trenches should be no closer together than 15 feet from any slope face.
   c) Trenches at higher elevation should be staggered and there should be a minimum of four feet of compacted fill between the top of the one trench and the bottom of the next higher trench.
   d) It would be necessary to verify 90 percent relative compaction in these pits. A 24 to 72 hour delay to allow for water dissipation should be anticipated prior to additional fill placement.

Structural Rock Fills

If the materials generated for placement in structural fills contains a significant percentage of material more than six (6) inches in one dimension, then placement using conventional soil fill methods with isolated windrows would not be feasible. In such cases the following could be considered:

1. Mixes of large rock or boulders may be placed as rock fill. They should be below the depth of all utilities both on pads and in roadways and below any proposed swimming pools or other excavations. If these fills are placed within seven (7) feet of finished grade, they may affect foundation design.
2. Rock fills are required to be placed in horizontal layers that should **not exceed two feet in thickness, or the maximum rock size present, which ever is less**. All rocks exceeding two feet should be broken down to a smaller size, windrowed (see above), or disposed of in non-structural fill areas. Localized larger rock up to 3 feet in largest dimension may be placed in rock fill as follows:
   a) individual rocks are placed in a given lift so as to be roughly 50% exposed above the typical surface of the fill ,
   b) loaded rock trucks or alternate compactors are worked around the rock on all sides to the satisfaction of the soil engineer,
   c) the portion of the rock above grade is covered with a second lift.
3. Material placed in each lift should be well graded. No unfilled spaces (voids) should be permitted in the rock fill.

Compaction Procedures

Compaction of rock fills is largely procedural. The following procedures have been found to generally produce satisfactory compaction.

1. Provisions for routing of construction traffic over the fill should be implemented.
   a) Placement should be by rock trucks crossing the lift being placed and dumping at its edge.
   b) The trucks should be routed so that each pass across the fill is via a different path and that all areas are uniformly traversed.
   c) The dumped piles should be knocked down and spread by a large dozer (D-8 or larger suggested). (Water should be applied before and during spreading.)
2. Rock fill should be generously watered (sluiced)
   a) Water should be applied by water trucks to the:
      i) dump piles,
      ii) front face of the lift being placed and,
      iii) surface of the fill prior to compaction.
   b) No material should be placed without adequate water.
   c) The number of water trucks and water supply should be sufficient to provide constant water.
   d) Rock fill placement should be suspended when water trucks are unavailable:
      i) for more than 5 minutes straight, or,
      ii) for more than 10 minutes/hour.
3. In addition to the truck pattern and at the discretion of the soil engineer, large, rubber tired compactors may be required.
   a) The need for this equipment will depend largely on the ability of the operators to provide complete and uniform coverage by wheel rolling with the trucks.
   b) Other large compactors will also be considered by the soil engineer provided that required compaction is achieved.
4. Placement and compaction of the rock fill is largely procedural. Observation by trenching should be made to check:
   a) the general segregation of rock size,
   b) for any unfilled spaces between the large blocks, and
   c) the matrix compaction and moisture content.
5. Test fills may be required to evaluate relative compaction of finer grained zones or as deemed appropriate by the soil engineer.
   a) A lift should be constructed by the methods proposed, as proposed
6. Frequency of the test trenching is to be at the discretion of the soil engineer. Control areas may be used to evaluate the contractor's procedures.
7. A minimum horizontal distance of 15 feet should be maintained from the face of the rock fill and any finish slope face. At least the outer 15 feet should be built of conventional fill materials.

Piping Potential and Filter Blankets

Where conventional fill is placed over rock fill, the potential for piping (migration) of the fine grained material from the conventional fill into rock fills will need to be addressed.

The potential for particle migration is related to the grain size comparisons of the materials present and in contact with each other. Provided that 15 percent of the finer soil is larger than the effective pore size of the coarse soil, then particle migration is substantially mitigated. This can be accomplished with a well-graded matrix material for the rock fill and a zone of fill similar to the matrix above it. The specific gradation of the fill materials placed during grading must be known to evaluate the need for any type of filter that may be necessary to cap the rock fills. This, unfortunately, can only be accurately determined during construction.

In the event that poorly graded matrix is used in the rock fills, properly graded filter blankets 2 to 3 feet thick separating rock fills and conventional fill may be needed. As an alternative, use of two layers of filter fabric (Mirafi 700 x or equivalent) could be employed on top of the rock fill. In order to mitigate excess puncturing, the surface of the rock fill should be well broken down and smoothed prior to placing the filter fabric. The first layer of the fabric may then be placed and covered with relatively permeable fill material (with respect to overlying material) 1 to 2 feet thick. The relative permeable material should be compacted to fill standards. The second layer of fabric should be placed and conventional fill placement continued.

Subdrainage

Rock fill areas should be tied to a subdrainage system. If conventional fill is placed that separates the rock from the main canyon subdrain, then a secondary system should be installed. A system consisting of an adequately graded base (3 to 4 percent to the lower side) with a collector system and outlets may suffice.

Additionally, at approximately every 25 foot vertical interval, a collector system with outlets should be placed at the interface of the rock fill and the conventional fill blanketing a fill slope

Monitoring

Depending upon the depth of the rock fill and other factors, monitoring for settlement of the fill areas may be needed following completion of grading. Typically, if rock fill depths exceed 40 feet, monitoring would be recommend prior to construction of any settlement sensitive improvements. Delays of 3 to 6 months or longer can be expected prior to the start of construction.

UTILITY TRENCH CONSTRUCTION AND BACKFILL

Utility trench excavation and backfill is the contractor's responsibility. The geotechnical consultant typically provides periodic observation and testing of these operations. While efforts are made to make sufficient observations and tests to verify that the contractors' methods and procedures are adequate to achieve proper compaction, it is typically impractical to observe all backfill procedures. As such, it is critical that the contractor use consistent backfill procedures.

Compaction methods vary for trench compaction and experience indicates many methods can be successful. However, procedures that "worked" on previous projects may or may not prove effective on a given site. The contractor(s) should outline the procedures proposed, so that we may discuss them **prior** to construction. We will offer comments based on our knowledge of site conditions and experience.

1. Utility trench backfill in slopes, structural areas, in streets and beneath flat work or hardscape should be brought to at least optimum moisture and compacted to at least 90 percent of the laboratory standard. Soil should be moisture conditioned prior to placing in the trench.
2. Flooding and jetting are not typically recommended or acceptable for native soils. Flooding or jetting may be used with select sand having a Sand Equivalent (SE) of 30 or higher. This is typically limited to the following uses:
   a) shallow (12 + inches) under slab interior trenches and,
   b) as bedding in pipe zone.

   The water should be allowed to dissipate prior to pouring slabs or completing trench compaction.

3. Care should be taken not to place soils at high moisture content within the upper three feet of the trench backfill in street areas, as overly wet soils may impact subgrade preparation. Moisture may be reduced to 2% below optimum moisture in areas to be paved within the upper three feet below sub grade.
4. Sand backfill should not be allowed in exterior trenches adjacent to and within an area extending below a 1:1 projection from the outside bottom edge of a footing, unless it is similar to the surrounding soil.
5. Trench compaction testing is generally at the discretion of the geotechnical consultant. Testing frequency will be based on trench depth and the contractor's procedures. A probing rod would be used to assess the consistency of compaction between tested areas and untested areas. If zones are found that are considered less compact than other areas, this would be brought to the contractor's attention.

JOB SAFETY

General

Personnel safety is a primary concern on all job sites. The following summaries are safety considerations for use by all our employees on multi-employer construction sites. On ground personnel are at highest risk of injury and possible fatality on grading construction projects. The company recognizes that construction activities will vary on each site and that job site safety is the contractor's responsibility. However, it is, imperative that all personnel be safety conscious to avoid accidents and potential injury.

In an effort to minimize risks associated with geotechnical testing and observation, the following precautions are to be implemented for the safety of our field personnel on grading and construction projects.

1. Safety Meetings: Our field personnel are directed to attend the contractor's regularly scheduled safety meetings.
2. Safety Vests: Safety vests are provided for and are to be worn by our personnel while on the job site.
3. Safety Flags: Safety flags are provided to our field technicians; one is to be affixed to the vehicle when on site, the other is to be placed atop the spoil pile on all test pits.

In the event that the contractor's representative observes any of our personnel not following the above, we request that it be brought to the attention of our office.

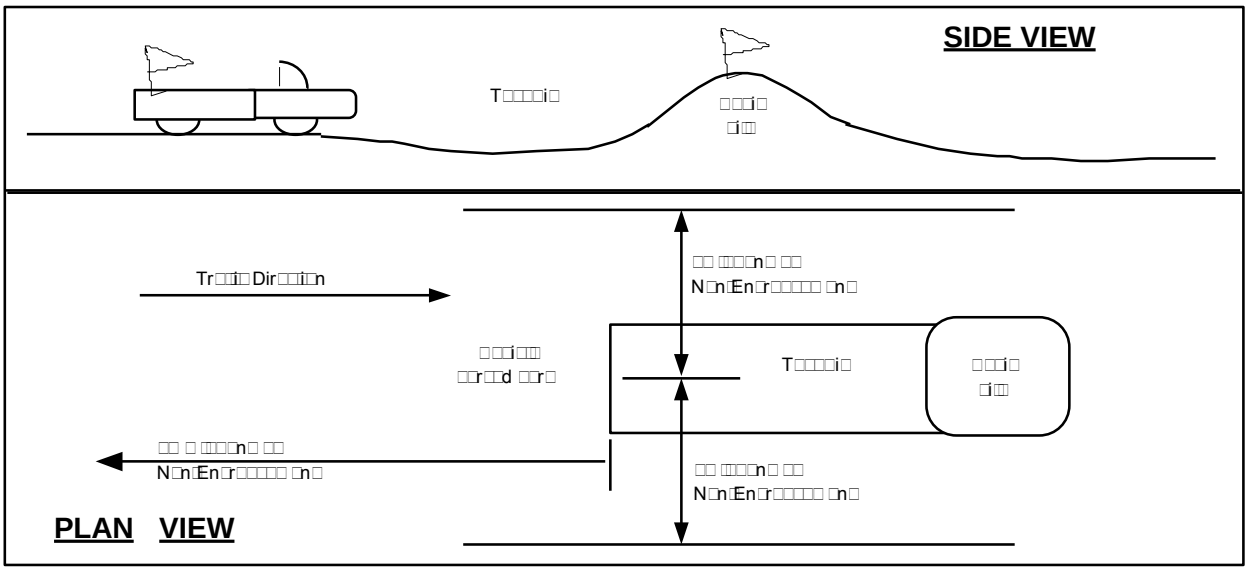
Test Pits Location, Orientation and Clearance

The technician is responsible for selecting test pit locations. The primary concern is the technician's safety. However, it is necessary to take sufficient tests at various locations to obtain a representative sampling of the fill. As such, efforts will be made to coordinate locations with the grading contractors authorized representatives (e.g. dump man, operator, supervisor, grade checker, etc.), and to select locations following or behind the established traffic pattern, preferably outside of current traffic. The contractors authorized representative should direct excavation of the pit and safety during the test period. Again, safety is the paramount concern.

Test pits should be excavated so that the spoil pile is placed away from oncoming traffic. The technician's vehicle is to be placed next to the test pit, opposite the spoil pile. This necessitates that the fill be maintained in a drivable condition. Alternatively, the contractor may opt to park a piece of equipment in front of test pits, particularly in small fill areas or those with limited access.

A zone of non-encroachment should be established for all test pits (see diagram below). No grading equipment should enter this zone during the test procedure. The zone should extend outward to the sides approximately 50 feet from the center of the test pit and 100 feet in the direction of traffic flow. This zone is established both for safety and to avoid excessive ground vibration, which typically decreases test results.

TEST PIT SAFETY PLAN



Slope Tests

When taking slope tests, the technician should park their vehicle directly above or below the test location on the slope. The contractor's representative should effectively keep all equipment at a safe operation distance (e.g. 50 feet) away from the slope during testing.

The technician is directed to withdraw from the active portion of the fill as soon as possible following testing. The technician's vehicle should be parked at the perimeter of the fill in a highly visible location.

Trench Safety

It is the contractor's responsibility to provide safe access into trenches where compaction testing is needed. Trenches for all utilities should be excavated in accordance with CAL-OSHA and any other applicable safety standards. Safe conditions will be required to enable compaction testing of the trench backfill.

All utility trench excavations in excess of 5 feet deep, which a person enters, are to be shored or laid back. Trench access should be provided in accordance with OSHA standards. Our personnel are directed not to enter any trench by being lowered or "riding down" on the equipment.

Our personnel are directed not to enter any excavation which;

1. is 5 feet or deeper unless shored or laid back,
2. exit points or ladders are not provided,
3. displays any evidence of instability, has any loose rock or other debris which could fall into the trench, or
4. displays any other evidence of any unsafe conditions regardless of depth.

If the contractor fails to provide safe access to trenches for compaction testing, our company policy requires that the soil technician withdraws and notifies their supervisor. The contractor's representative will then be contacted in an effort to affect a solution. All backfill not tested due to safety concerns or other reasons is subject to reprocessing and/or removal.

Procedures

In the event that the technician's safety is jeopardized or compromised as a result of the contractor's failure to comply with any of the above, the technician is directed to inform both the developer's and contractor's representatives. If the condition is not rectified, the technician is required, by company policy, to immediately withdraw and notify their supervisor. The contractor's representative will then be contacted in an effort to affect a solution. No further testing will be performed until the situation is rectified. Any fill placed in the interim can be considered unacceptable and subject to reprocessing, recompaction or removal.

In the event that the soil technician does not comply with the above or other established safety guidelines, we request that the contractor bring this to technician's attention and notify our project manager or office. Effective communication and coordination between the contractors' representative and the field technician(s) is strongly encouraged in order to implement the above safety program and safety in general.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

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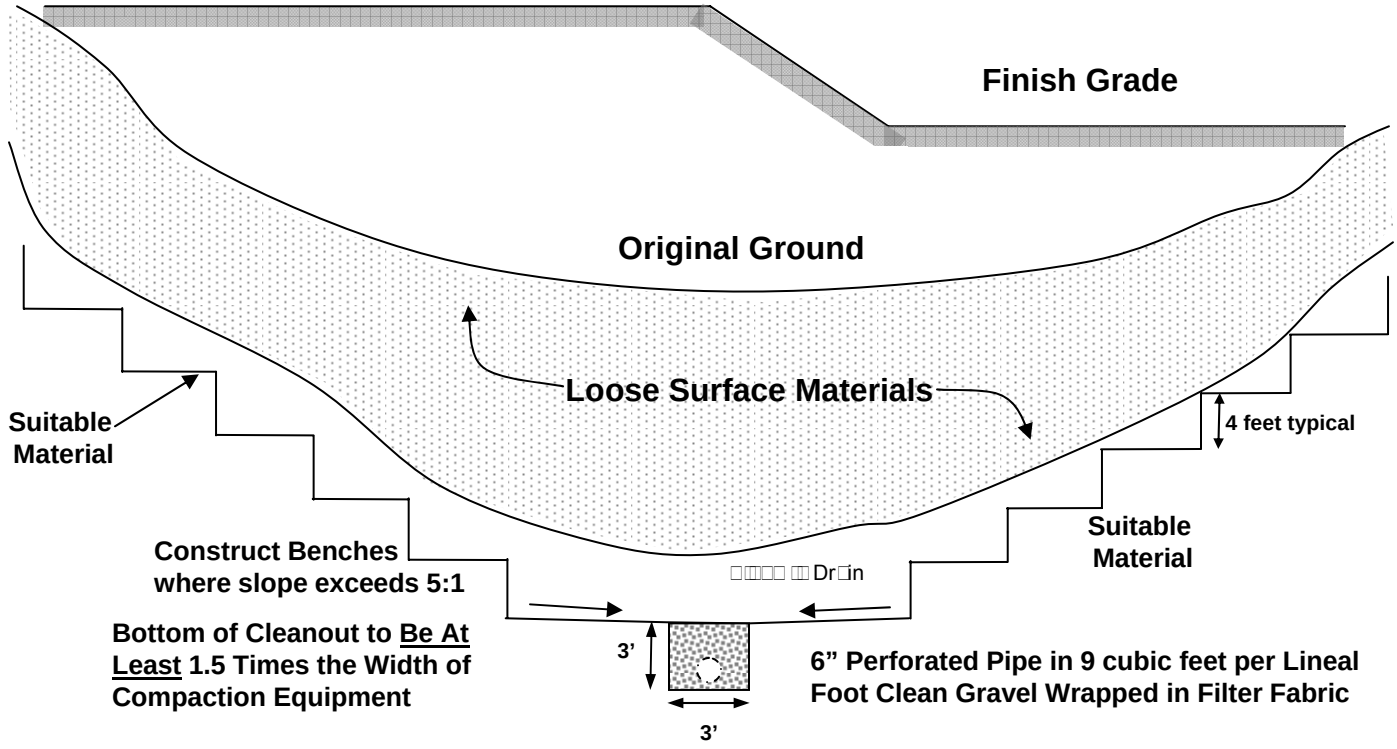
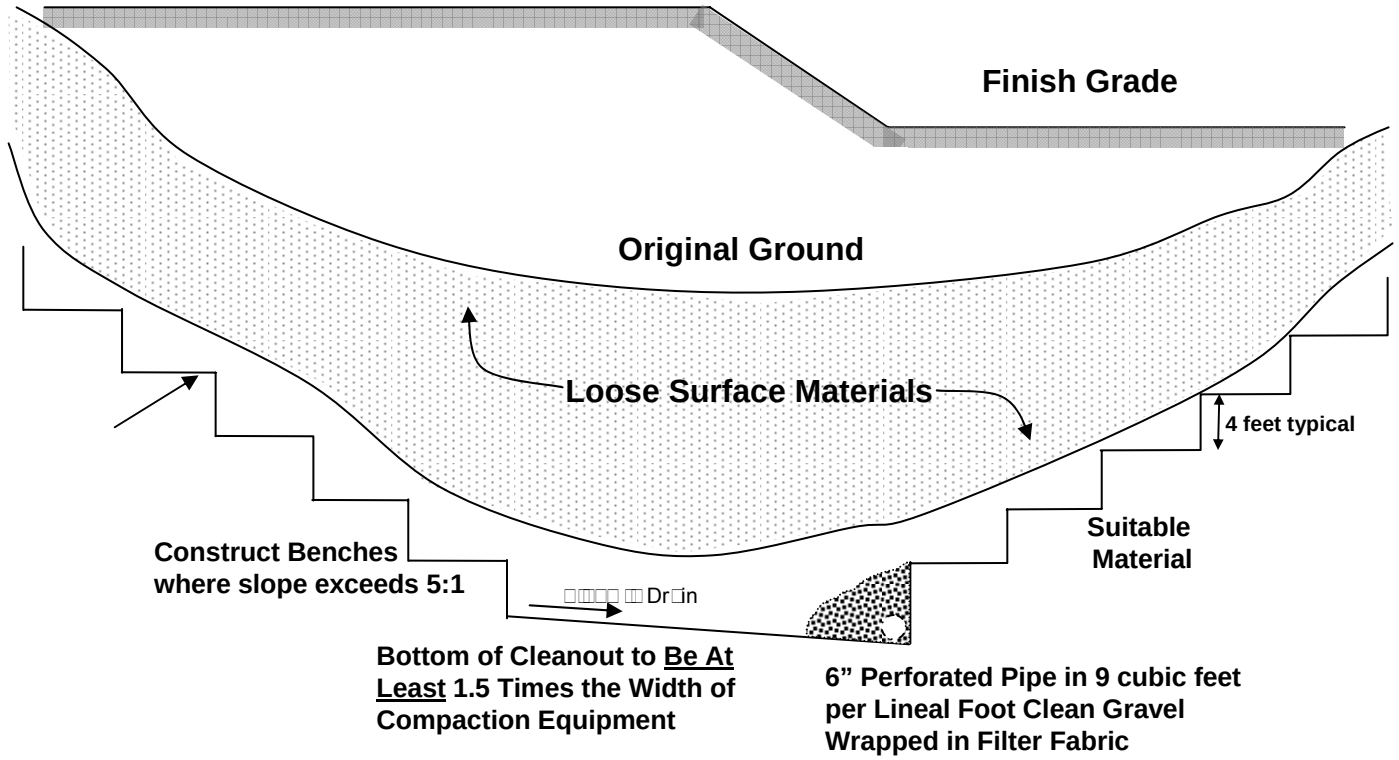
ALTERNATES





GEOTEK

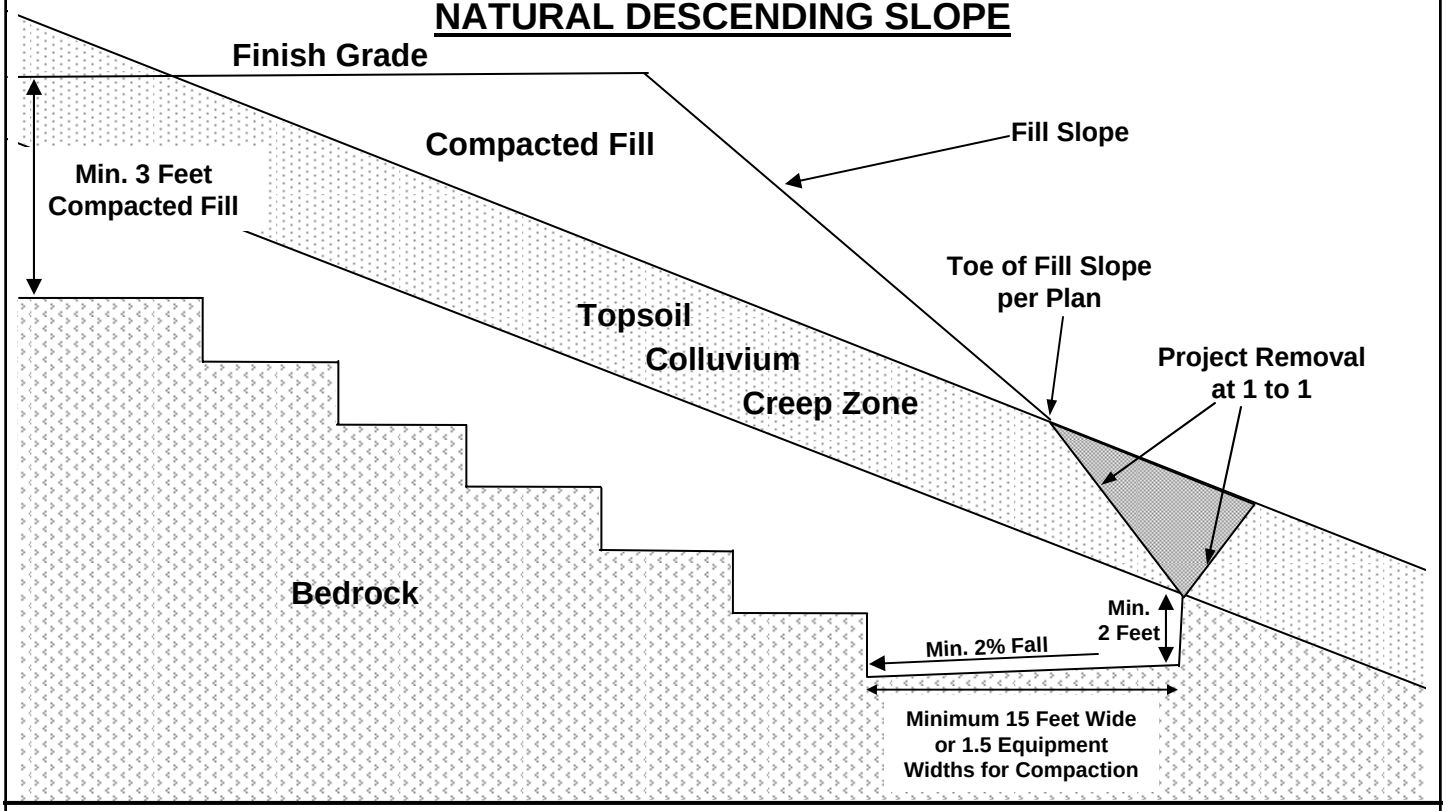
154 North Main Street
Auburn, California 95603

TYPICAL CANYON CLEANOUT

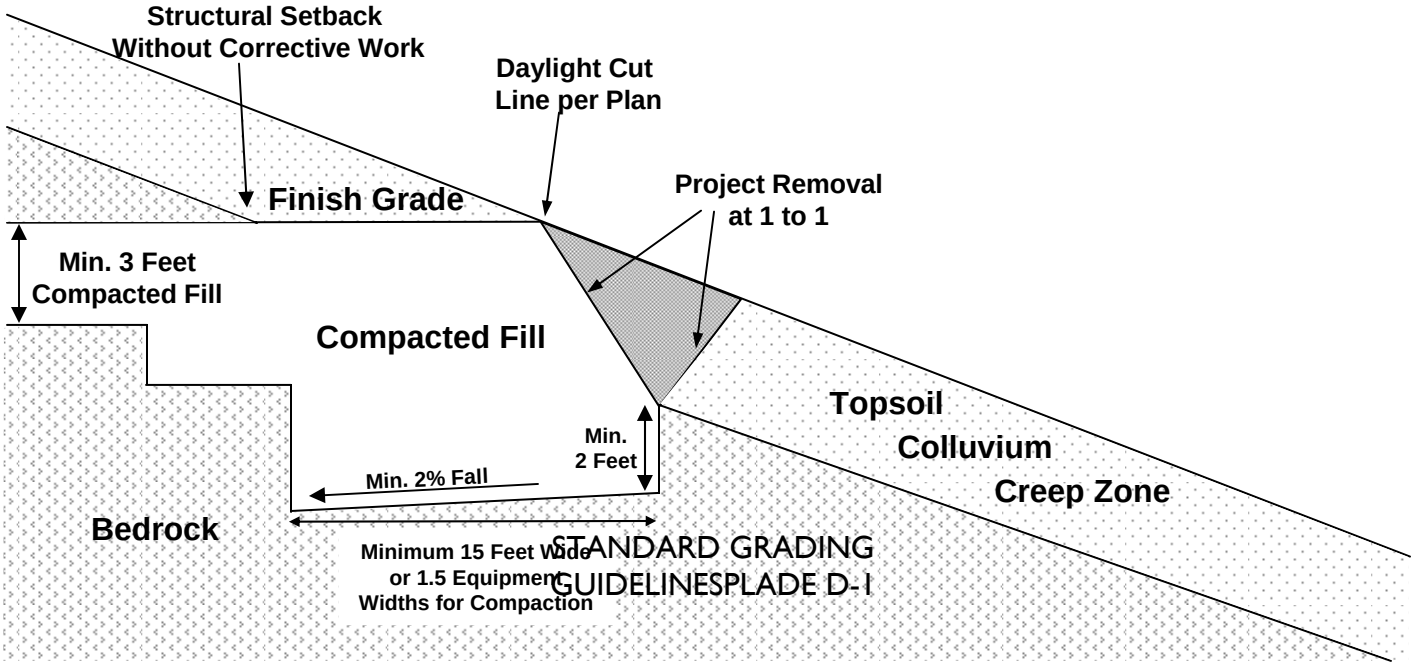
STANDARD GRADING GUIDELINES

PLATE D-1

TYPICAL FILL SLOPE OVER NATURAL DESCENDING SLOPE



DAYLIGHT CUT AREA OVER NATURAL DESCENDING SLOPE



STANDARD GRADING GUIDELINESPLADE D-1

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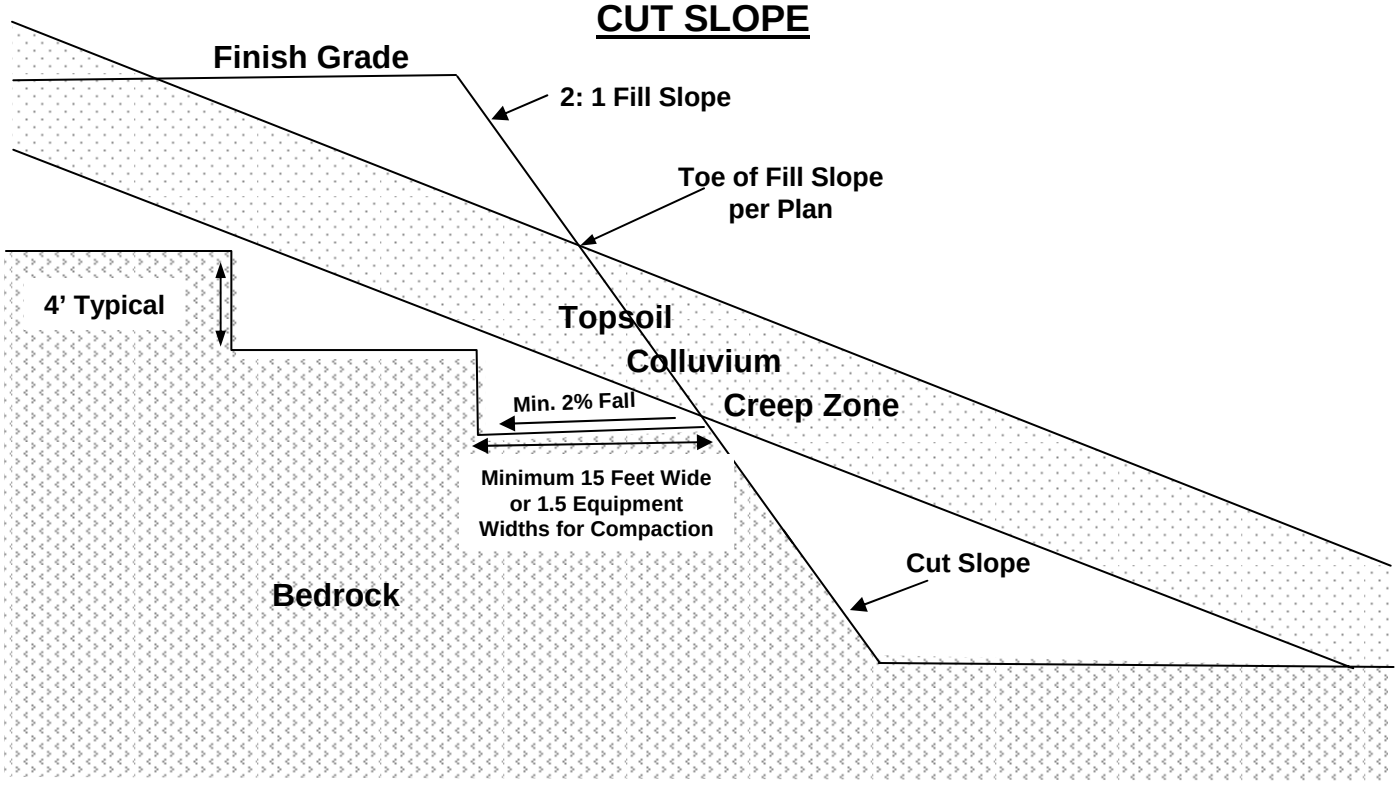
TREATMENT ABOVE NATURAL SLOPES

STANDARD GRADING GUIDELINES

PLATE D-2

TYPICAL FILL SLOPE OVER CUT SLOPE



TYPICAL FILL SLOPE

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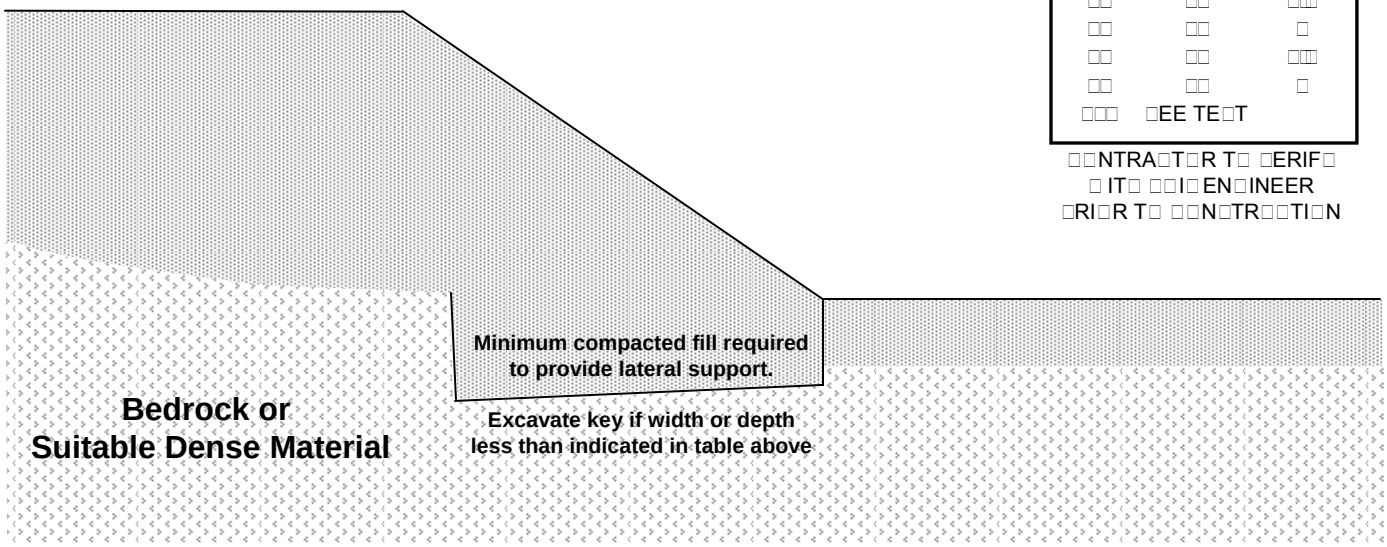

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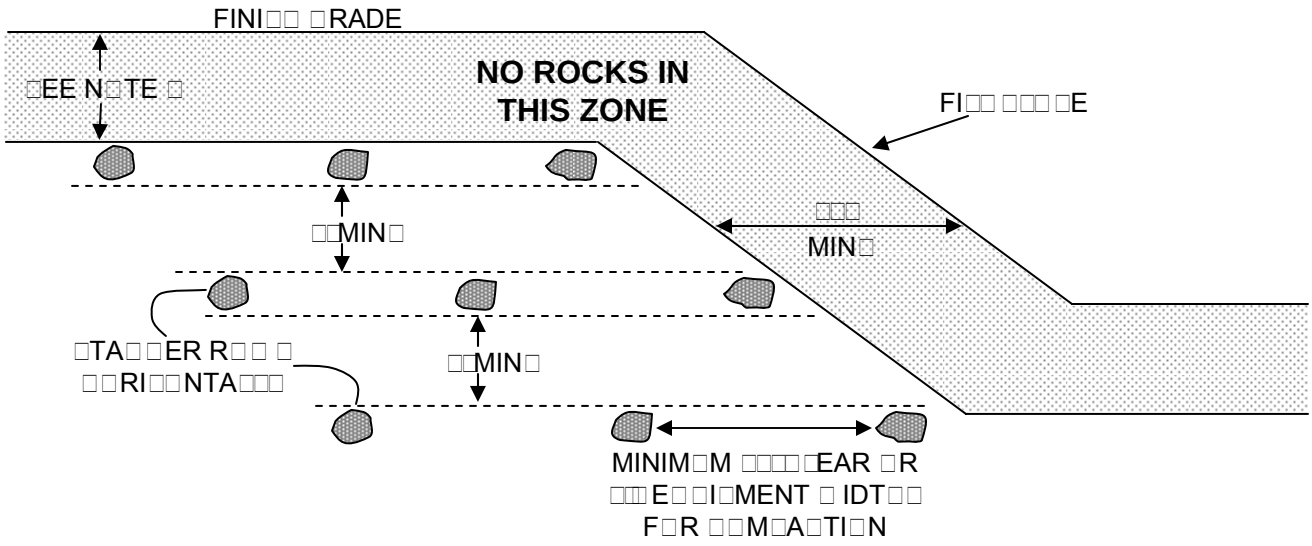
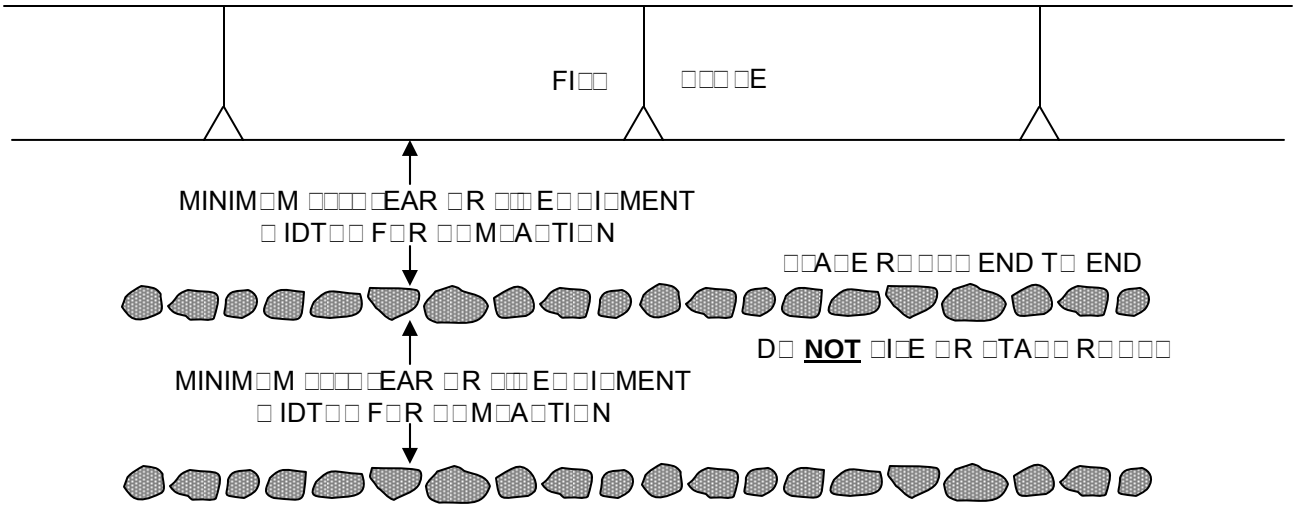
STANDARD GRADING GUIDELINES

PLATE D-3

CROSS SECTIONAL VIEW



PLAN VIEW



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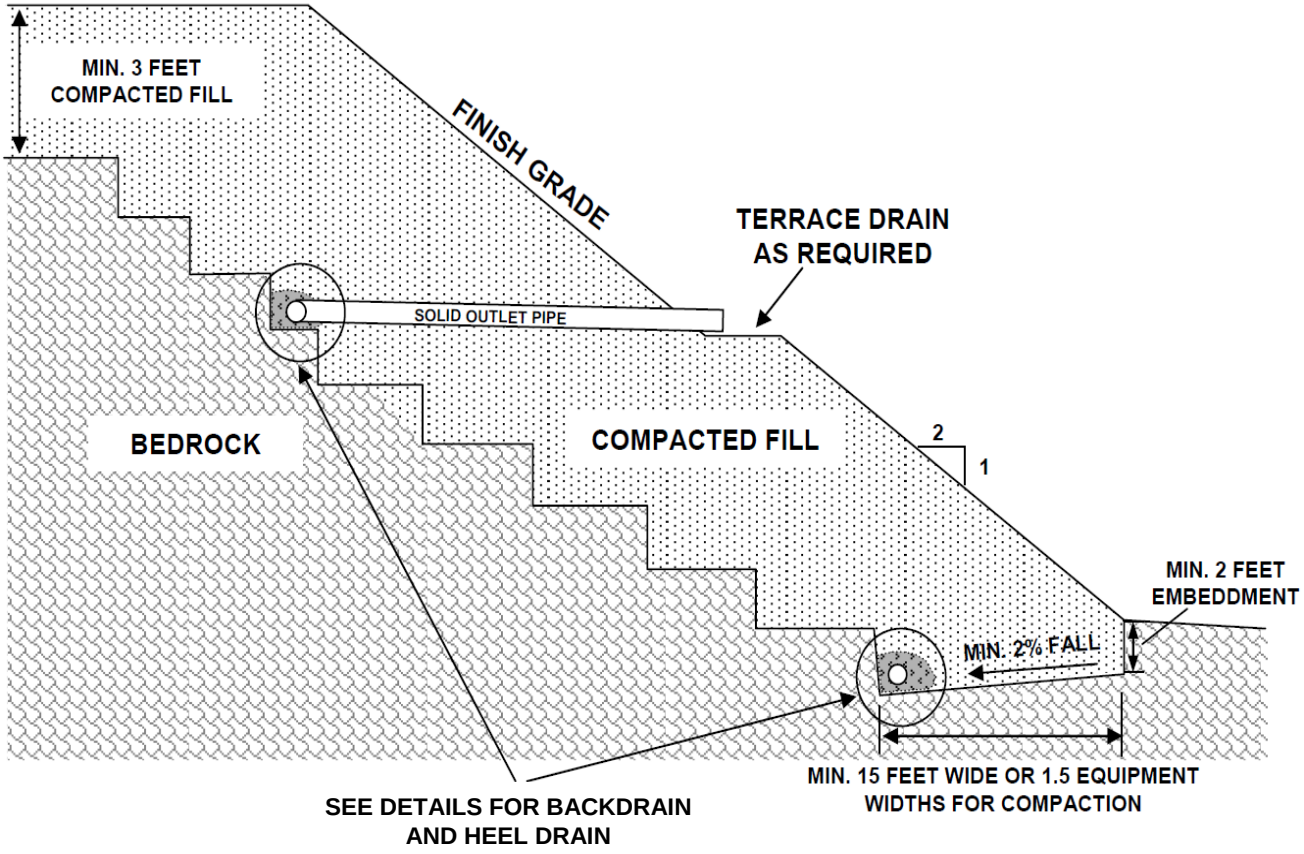
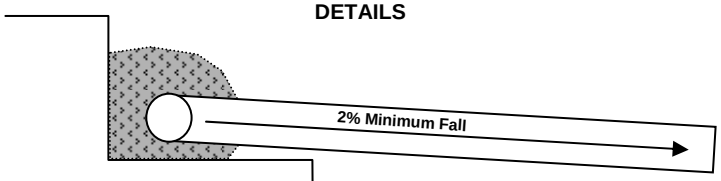


BACKDRAIN DETAILS



4" diameter perforated drain pipe (Schedule 40 PVC or equivalent) in 6 cubic feet per lineal foot clean gravel wrapped in filter fabric

4" diameter solid outlet pipe (Schedule 40 PVC or equivalent) laterals to slope face or storm drain system at maximum 100 foot maximum intervals

Note: Additional backdrains may be recommended

HEEL DRAIN DETAILS



6" diameter perforated drain pipe in 6 cubic feet per lineal foot clean gravel wrapped in filter fabric, outlet pipe to gravity flow with 2% minimum fall

GEOTEK

154 North Main Street
Corona, California 92882

TYPICAL BUTTRESS AND STABILIZATION FILL

STANDARD GRADING GUIDELINES

PLATE D-5

Attachment H

City Covenant

[To Be Used for projects not involving land subdivisions]

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

City Clerk
City of Tustin
300 Centennial Way
Tustin, CA 92780

(Space Above This Line For Recorder's Use Only)

COVENANT AND AGREEMENT REGARDING O & M PLAN TO FUND AND MAINTAIN WATER QUALITY BMPS, CONSENT TO INSPECT, AND INDEMNIFICATION

This Covenant and Agreement Regarding O & M Plan to Fund and Maintain Water Quality BMPs, Consent to Inspect, and Indemnification (the "Agreement") is made and entered into as of _____, 20__ by and between the City of Tustin, a California municipal corporation ("Covenantee" or "City") and the undersigned property owner(s) ("Covenantor").

RECITALS

A. Covenantor is the owner of real property located at _____ (the "Property") more particularly described as Address: _____ Description and APN No. _____.

B. The City is required by its National Pollutant Discharge Elimination System ("NPDES") Municipal Storm Water Permit, Order No. R8-2009-0030, NPDES No. CAS618030, issued by the California Regional Water Quality Control Board, Santa Ana Region, to regulate storm water runoff from the Property and other properties in the City. The City has established a storm drain system consisting of storm drains, pipes, open channels, and related appurtenances constituting the City's municipal storm drain system (the City's "Storm Drain System").

C. Covenantor intends to develop the Property for the purposes described in the Project Water Quality Management Plan for the Property (the "Project WQMP"). The Project WQMP is required to be implemented as a condition of approval of the development of the Property.

D. As a condition precedent to the approval of the Project WQMP, the Covenantor and Covenantee are entering into this Agreement to provide for the long-term operation and maintenance of the structural best management practices ("BMPs") described in the Project WQMP.

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AGREEMENT

1. Operation and Maintenance ("O&M") Plan for Best Management Practices ("BMPs")

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2. Compliance with Tustin City Code and Consent to Inspect

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3. Indemnification

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4. Rights and Obligations Run With the Land

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5. Termination of Agreement Upon Termination of WQMP

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6. Enforcement

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7. Entire Agreement.

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8. Severability.

In the event any provision of this Agreement is declared void or unenforceable by any court of competent jurisdiction, such provision shall be severed from this Agreement and the remaining provisions of this Agreement shall remain in full force and effect. This Agreement shall be construed and enforced in accordance with the laws of the State of California. Any action brought to enforce or interpret this Agreement shall be filed and maintained in the Superior Court of the County of Orange, State of California, or in the United States District Court for the Central District of California.

9. Counterparts.

This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

10. Attorneys' Fees.

In the event that litigation is brought by any party in connection with this Agreement, the prevailing party shall be entitled to reasonable attorneys' fees and costs, as determined by the court. The term "prevailing party" shall include, without limitation, a party who dismisses an action in exchange for substantially the relief sought, or who successfully defends an action by settlement, arbitration, trial or appeal. The attorneys' fees award shall not be computed in accordance with any court fee schedule, but shall be such as to fully reimburse all attorneys' fees reasonably incurred in good faith. The parties agree that they believe that the stipulated fees and costs are reasonable, given the circumstances existing as of the date of this Agreement.

11. Amendment.

No modification, amendment, addition or deletion to this Agreement shall be effective unless and until executed in writing by all of the parties hereto. The parties contemplate that they may be executing certain documents by facsimile transmission to expedite the execution of this Agreement. Therefore, the parties intend that: (a) facsimile signatures shall be binding on the parties; (b) the reproduction of this Agreement by facsimile shall be treated as binding as the parties' original signatures; and (c) each party will subsequently send to the other party the original signatures to this Agreement executed by such party.

12. Authority of Signatories to Agreement.

Each person executing this Agreement on behalf of a party hereto represents and warrants that he or she is duly authorized to execute and deliver this Agreement on behalf of such party in accordance with the duly adopted resolution of the board of directors or other governing body of such party or in accordance with the bylaws or other agreement governing such party, and that this Agreement is binding upon such party in accordance with its terms.

SIGNATURES ON FOLLOWING PAGE

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“CITY” / “COVENANTEE”
CITY OF TUSTIN

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“COVENANTOR”

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[Signatures to be Notarized]

ACKNOWLEDGMENT

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

State of California
County of _____

On _____ before me, _____
(insert name and title of the officer)

personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature _____ **(Seal)**

Appendix H: Preliminary Hydrology Study

PRELIMINARY HYDROLOGY & HYDRAULICS STUDY

17802 IRVINE BOULEVARD
TUSTIN, CA 92780
TTM 19224

Prepared For:
Intracorp SW, LLC
895 Dove Street, Suite 400
Newport Beach, CA 92660
(949) 258-7555

Prepared By:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, California 92618
(949) 916-3800

Prepared: January 2022
Revised: April 2022

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B. Pre- & Post-Development Hydrology Calculations (50, 100-Year Storm)
C. Time of Concentration Nomographs
D. Orange County Soils Map
E. Orange County Hydrology Manual References

Preliminary Hydrology Study and Hydraulic Analysis
For
17802 Irvine Boulevard, Tustin
APN: 401-141-13 & 401-141-57
Tract No: 19224

ACKNOWLEDGEMENT AND SIGNATURE PAGE

This Hydrology Study prepared by C&V Consulting, Inc. under the supervision of Ryan J. Bittner, P.E.

_____ _____

Ryan J. Bittner, R.C.E. 68167 Date
C&V Consulting, Inc.

Introduction:

The proposed project site is located at 17802 Irvine Blvd, Tustin, CA 92780. The site is bounded to the north by Irvine Blvd, to the east by an existing apartment complex, to the south by an existing single detached residential community, and to the west by an existing office building at (at a lot hereby referred to as 17772 Irvine Blvd).

The existing site includes two occupied office buildings bordered by asphalt parking stalls on the north and south and a drive aisle in between with three driveways on Irvine Blvd and access to the adjacent lot to the west though a drive aisle in the southwest corner of the lot. The site is sparsely vegetated with small landscape pockets along the parking stalls. The existing site is relatively flat with elevations ranging from approximately 139.5 feet to 137.6 feet above mean sea level. The northeast quadrant (approximately 0.5 acres) slopes from southwest to northeast through a gutter that drains to Irvine Blvd. Stormwater then travels east in the existing gutter of Irvine Blvd to an existing catch basin at Fashion Lane located approximately 700 feet east of the site, then continues to a City of Tustin storm drain which outlets at the Orange County Flood Control District (OCFCD) El Moderna-Irvine Channel. The remainder of the site (approximately 1.5 acres) slopes from north to south and east to west to the ultimate low point of the site in the southwest corner. Stormwater flows in an existing parking lot gutter within 17772 Irvine Blvd until it drains via an existing driveway in Prospect Avenue. Stormwater continues south in the existing Prospect Avenue gutter to a catch basin at First Street approximately 700 feet south of the site, then continues to a City of Tustin storm drain which also outlets at the OCDCD El Moderna-Irvine Channel.

The proposed site contains 40 residential units including 12 detached condominiums and 28 duplexes. One main drive aisle with circle the site with patios and landscaping between buildings and pavement. A park landscape area is proposed at the front and center of the lot. The proposed site will follow similar drainage pattern as the existing and is split between two drainage areas with catch basins in the north and southwest corners. Surface flows will be directed into an area drain system or into onsite curb and gutters which will convey the flow to the underground storm drain system. All flows will be conveyed to an infiltration detention pipe where water will be stored onsite until it can percolate into the ground. During a major storm event when the detention pipe fills to capacity, the stormwater will be directed to match the existing flow pattern. There are two emergency overflow locations. One is in the form of a parkway culvert on Irvine Blvd to the north. The second is through a grate inlet in the southwest corner, into a proposed gutter that will outlet to the existing parking lot gutter in 17772 Irvine Blvd. There is an existing easement for drainage purposes along the southern property line of 17772 Irvine Blvd. that will allow for emergency overflow drainage for the project site.

Methodology

The proposed drainage area was analyzed by utilizing the Orange County Hydrology Manual. Each Drainage Area (DA) was divided as illustrated on the Proposed Hydrology Map (Exhibit 2). Each area was then analyzed for acreage, impervious cover, and Time of Concentration (Tc) per the Rational Method. In this preliminary hydrology study, the recommended values per the Orange

County Hydrology Manual were utilized for the percentage of impervious area of the proposed condition. Refer to Appendix E for the table of recommended assumptions of impervious cover.

Design Assumptions:

1. The onsite drainage area was analyzed for the 50 and 100-year storm event using Rational Method Analysis per the County of Orange Hydrology Manual.
2. The drainage area is located in Soil Groups B according to Soil Map B of the Hydrology Manual as shown in Appendix C.
3. The rainfall intensity for all storm events varies according to Figure B-3 (page B-7) of the Hydrology Manual.
4. The infiltration rate for the pervious area, Fp, is 0.30 inches/hour per Table C.2 in Section C.6.4. of the Orange County Hydrology Manual.
5. An existing impervious area percentage of 90% was used for the pre-development condition. A proposed impervious area percentage of 80% was used for the post-development condition.
6. Storm drains and catch basins onsite will designed for a 50-year storm event, which corresponds to the design requirements for the project.
7. The Hydrology Map attached to the back of this study is made part of the study.

Conclusion:

The results from this hydrology and hydraulic analysis demonstrate the following:

- The drainage design for Tentative Tract Map 19224 has been designed to meet the County of Orange Flood Control Standards and per City of Tustin requirements
- The drainage system is designed to manage runoff from a 100-year storm

50-Yr Event Summary:

	Subarea	Flow Rate	Time of Concentration
Pre-Development Flow Rate	X1	4.32 cfs	13.0 min
	X2	2.23 cfs	6.5 min
Post-Development Flow Rate	A1	2.89 cfs	9.5 min
	A2	4.06 cfs	8 min

100-Yr Event Summary:

	Subarea	Flow Rate	Time of Concentration
Pre-Development Flow Rate	X1	4.90 cfs	13.0 min
	X2	2.53 cfs	6.5 min
Post-Development Flow Rate	A1	3.28 cfs	9.5 min
	A2	4.61 cfs	8 min

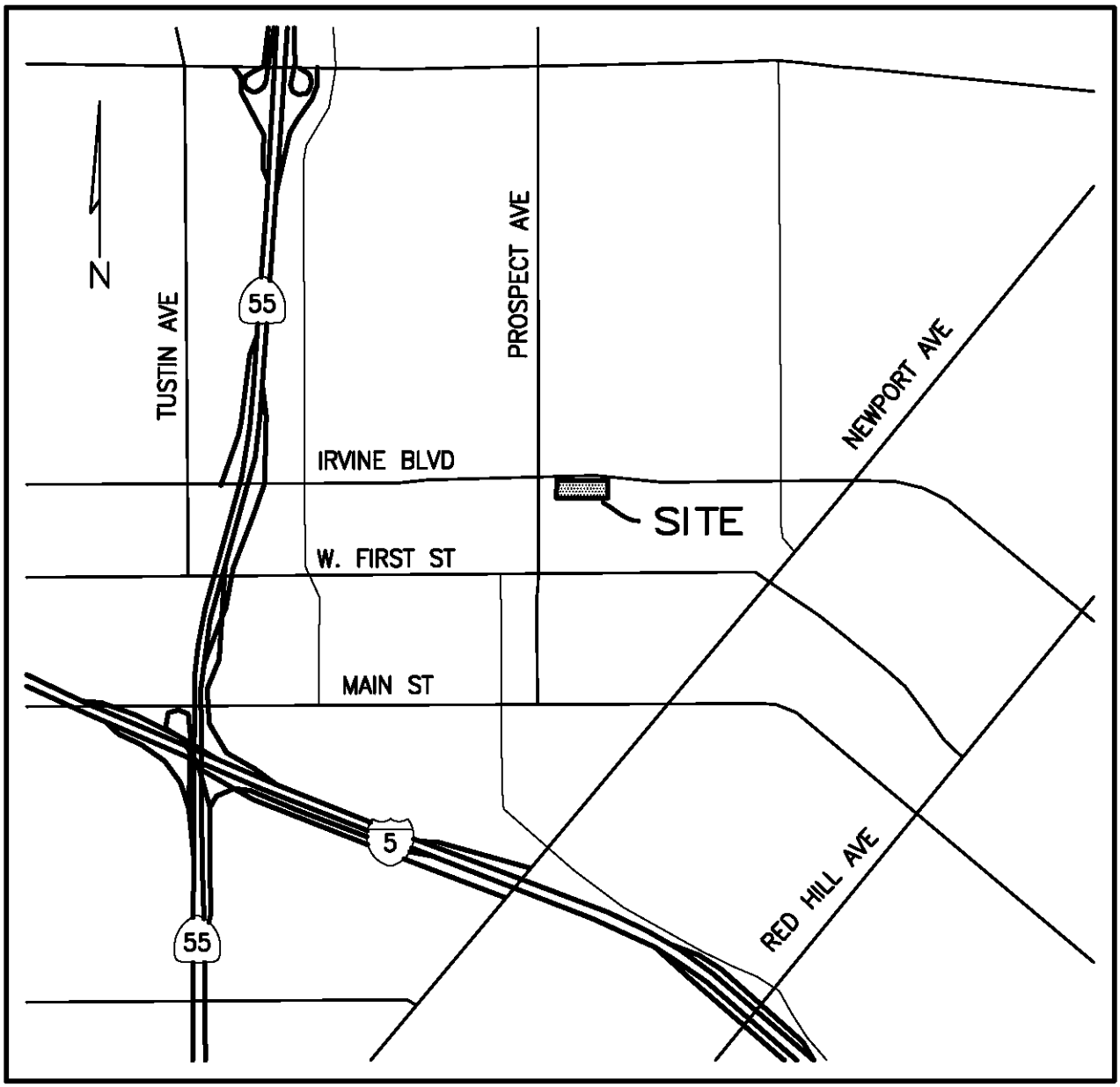
The proposed development will decrease the flow rate to the existing drainage easement in 17772 Irvine Blvd by 1.43 cfs during the 50-year storm event and 1.62 cfs during the 100-year storm event. However, it will increase the flow rate to Irvine Blvd by 1.83 cfs during the 50-year event and 2.08 cfs during the 100-year event. However, the site will utilize a detention infiltration system to retain and treat a water quality design capture volume that is larger than this increase in flow. The underground detention system will be utilized to store the water quality volume to allow infiltration to recharge the groundwater. Therefore, downstream facilities will note be hydrologically or hydraulically impacted by the proposed condition of the site.

References:

1. Orange County Hydrology Manual 1986
2. NRCS Web Soil Survey

APPENDIX A

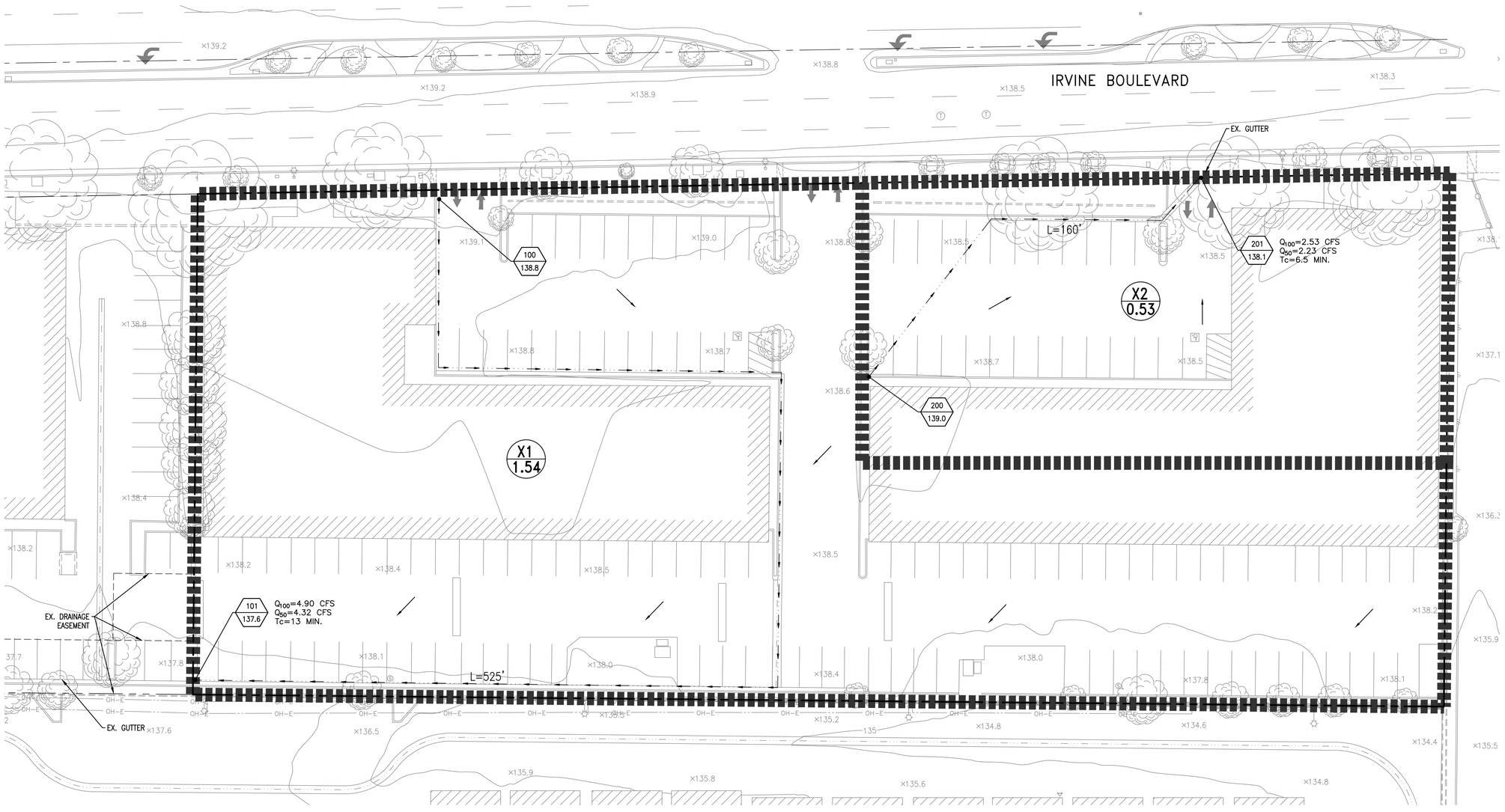
Vicinity Map, Existing Hydrology Map, & Proposed Hydrology Map



VICINITY MAP

NOT TO SCALE

EXISTING HYDROLOGY MAP



LEGEND

- WATERSHED DRAINAGE AREA BOUNDARY GRADING AND PERMIT LIMITS
- SUBAREA BOUNDARY
- FLOW DIRECTION
- X1 / X.XX — DRAINAGE AREA NUMBER / DRAINAGE AREA IN ACRES
- 102 / 85.0 — NODE NUMBER / NODE ELEVATION
- Q_{100}=X.XX CFS — SUBAREA RUNOFF (100 YR STORM)
- ΣQ_{100}=X.XX — TOTAL RUNOFF (100 YR STORM)
- ΣQ_{50}=X.XX — TOTAL RUNOFF (50 YR STORM)
- CFS — CUBIC FEET PER SECONDS
- Tc=X.XX MIN — TIME OF CONCENTRATION (100 YR STORM)

NOTE: ASSUME ALL SOIL GROUP B PER ORANGE COUNTY MANUAL

1" = 20'

0 10 20 40

CITY OF TUSTIN DEPARTMENT OF COMMUNITY DEVELOPMENT/ PLANNING & ZONING DIVISION	PROJECT NO. INTR-011
TENTATIVE TRACT MAP 19224 TUSTIN A 17802 IRVINE BOULEVARD, TUSTIN, CA	SHEET 1 OF 1

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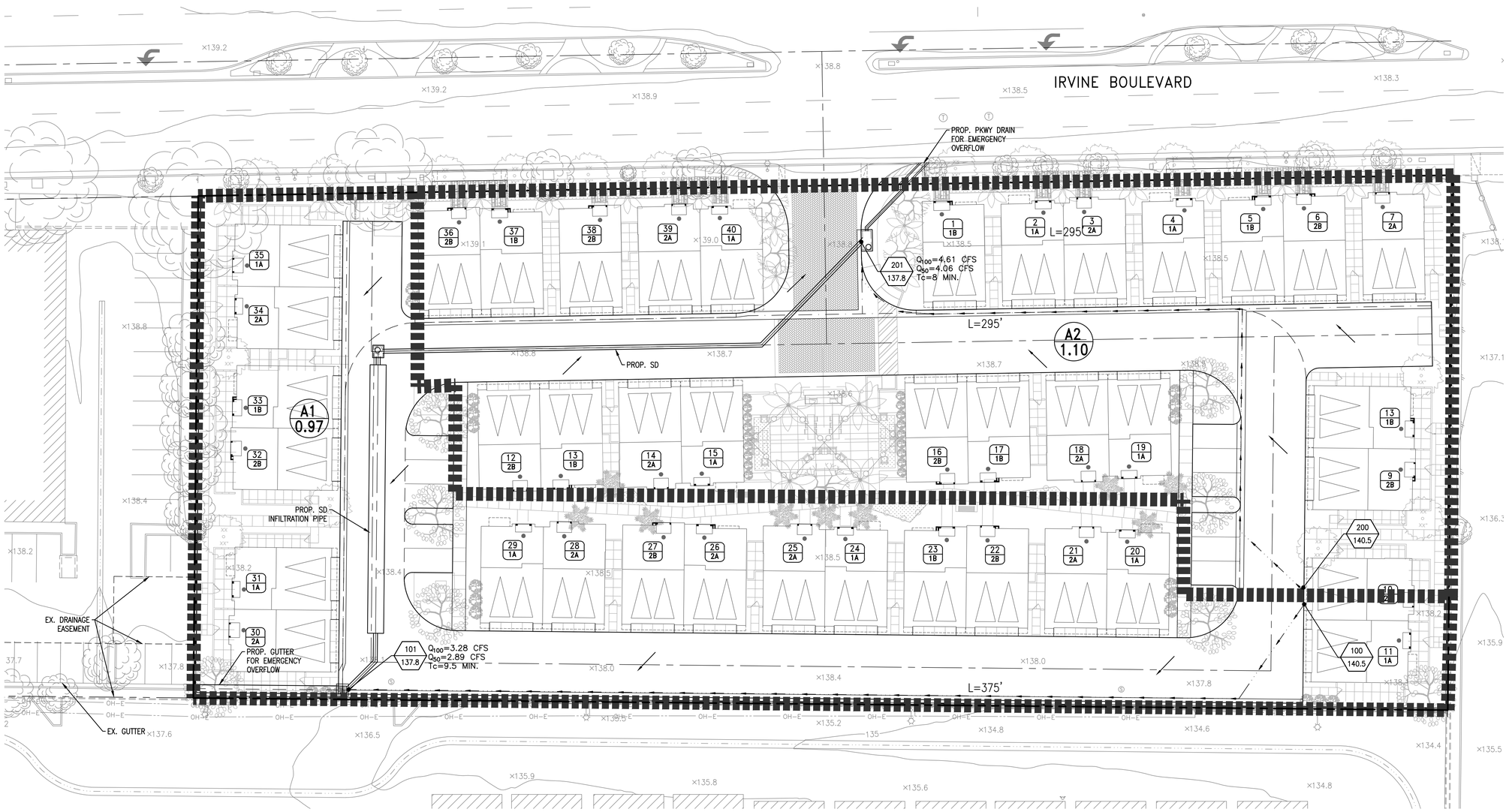
BY: LUCAS BOUCHER

PROPOSED HYDROLOGY MAP



LEGEND

- WATERSHED DRAINAGE AREA BOUNDARY GRADING AND PERMIT LIMITS
- SUBAREA BOUNDARY
- FLOW DIRECTION
- X1 / X.XX — DRAINAGE AREA NUMBER / DRAINAGE AREA IN ACRES
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- Q_{100}=X.XX CFS — SUBAREA RUNOFF (100 YR STORM)
- ΣQ_{100}=X.XX — TOTAL RUNOFF (100 YR STORM)
- ΣQ_{50}=X.XX — TOTAL RUNOFF (50 YR STORM)
- CFS — CUBIC FEET PER SECONDS
- Tc=X.XX MIN — TIME OF CONCENTRATION (100 YR STORM)

NOTE: ASSUME ALL SOIL GROUP B PER ORANGE COUNTY MANUAL

1" = 20'

0 10 20 40

CITY OF TUSTIN
DEPARTMENT OF COMMUNITY DEVELOPMENT/ PLANNING & ZONING DIVISION

PROJECT NO. INTR-011

TENTATIVE TRACT MAP 19224
TUSTIN A
17802 IRVINE BOULEVARD, TUSTIN, CA

SHEET 1 OF 1

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BY: LUCAS BOUCHER

APPENDIX B

Pre- & Post-Development Hydrology Calculations (50, 100-Year Storm)

RATIONAL METHOD STUDY FORM

Orange County **HYDROLOGY MANUAL**			**STUDY NAME: 17802 IRVINE BLVD, TUSTIN** **50 YEAR STORM RATIONAL METHOD**									**DATE: 1/21/2022** **PAGE 1 OF 1**
CONC. PT.	AREA (ACRES)		LONGEST FLOWPATH RANGE		SOIL	DEV.	Tt	Tc	I	Fm	Q	FLOW	SLOPE	HYDRAULICS AND
(MAP AREA)	SUBAREA	TOTAL	BEGINNING NODE	ENDING NODE	TYPE	(Ap)	MIN.	MIN.	in/hr	in/hr	TOTAL	PATH, FT	FT/FT	NOTES
Existing Area														
X1	1.54	1.54	100	101	B	0.154		13.0	3.17	0.046	**4.32**	525	0.006	
X2	0.53	0.53	200	201	B	0.053		6.5	4.69	0.016	**2.23**	160	0.002	
Proposed Area														
A1	0.97	0.97	100	101	B	0.194		9.5	3.78	0.058	**2.89**	375	0.007	
A2	1.10	1.10	200	201	B	0.22		8	4.17	0.066	**4.06**	295	0.009	
NOTES: I(t) = at^b, a=13.521, b=-0.566; Fm=Ap*Fp, Fp=0.30 (Soil B, USDA Soils Map); Q = C*(I - Fm)*A; C = 0.8 (proposed), 0.9 (existing);														

Refer to Appendix E for Mean Precipitation Intensities ("a" and "b" values).

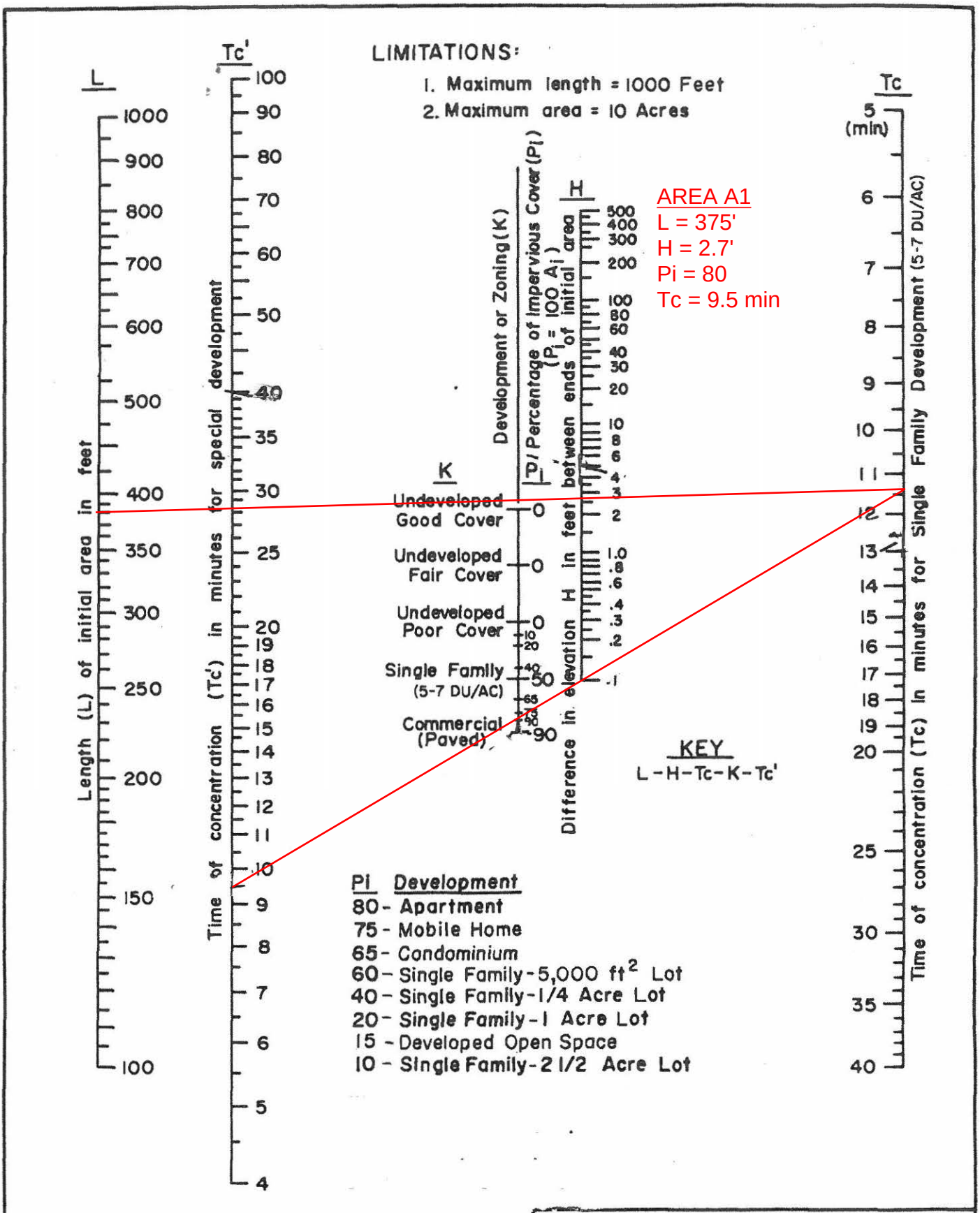
RATIONAL METHOD STUDY FORM

Orange County **HYDROLOGY MANUAL**			**STUDY NAME: 17802 IRVINE BLVD, TUSTIN** **100 YEAR STORM RATIONAL METHOD**									**DATE: 1/21/2022** **PAGE 1 OF 1**
CONC. PT.	AREA (ACRES)		LONGEST FLOWPATH RANGE		SOIL	DEV.	Tt	Tc	I	Fm	Q	FLOW	SLOPE	HYDRAULICS AND
(MAP AREA)	SUBAREA	TOTAL	BEGINNING NODE	ENDING NODE	TYPE	(Ap)	MIN.	MIN.	in/hr	in/hr	TOTAL	PATH, FT	FT/FT	NOTES
Existing Area														
X1	1.54	1.54	100	101	B	0.154		13.0	3.58	0.046	**4.90**	525	0.006	
X2	0.53	0.53	200	201	B	0.053		6.5	5.32	0.016	**2.53**	160	0.002	
Proposed Area														
A1	0.97	0.97	100	101	B	0.194		9.5	4.28	0.058	**3.28**	375	0.007	
A2	1.10	1.10	200	201	B	0.22		8	4.73	0.066	**4.61**	295	0.009	
NOTES: I(t) = at^b, a=15.560 b=-0.573; Fm=Ap*Fp, Fp=0.30 (Soil B, USDA Soils Map); Q = C*(I - Fm)*A; C = 0.8 (proposed), 0.9 (existing);														

Refer to Appendix E for Mean Precipitation Intensities ("a" and "b" values).

APPENDIX C

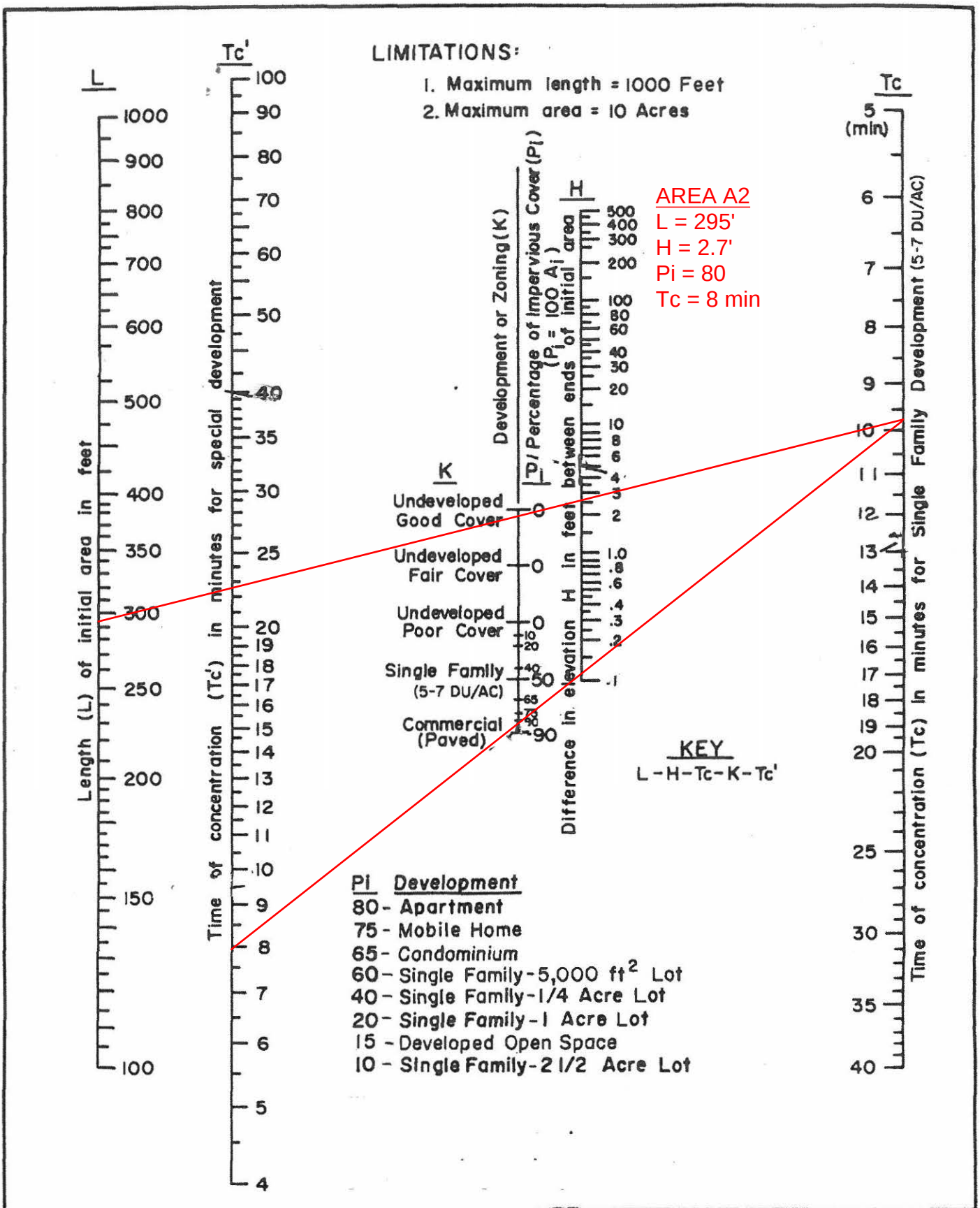
Time of Concentration Nomographs



ORANGE COUNTY
HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

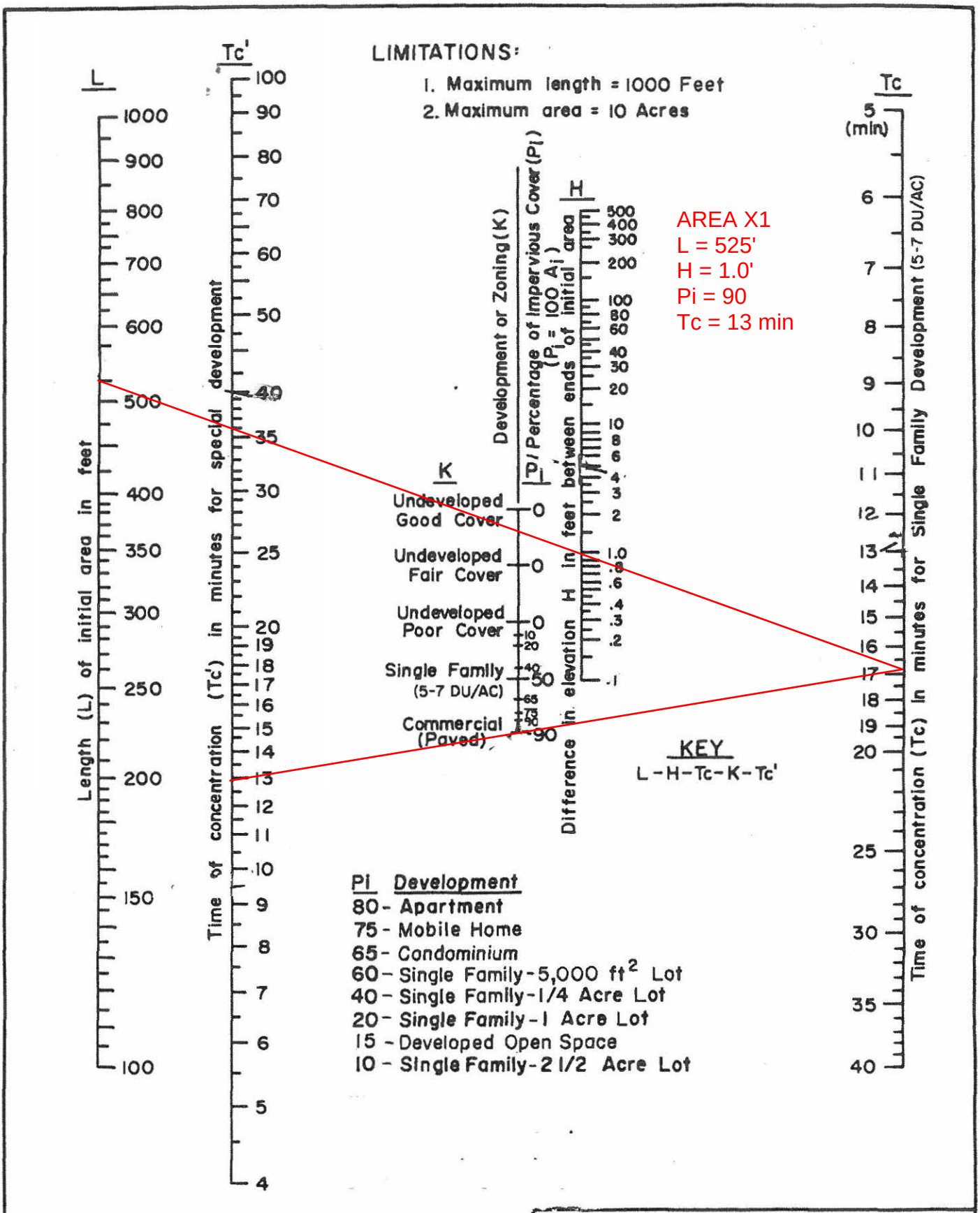
Figure D-1



ORANGE COUNTY
HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

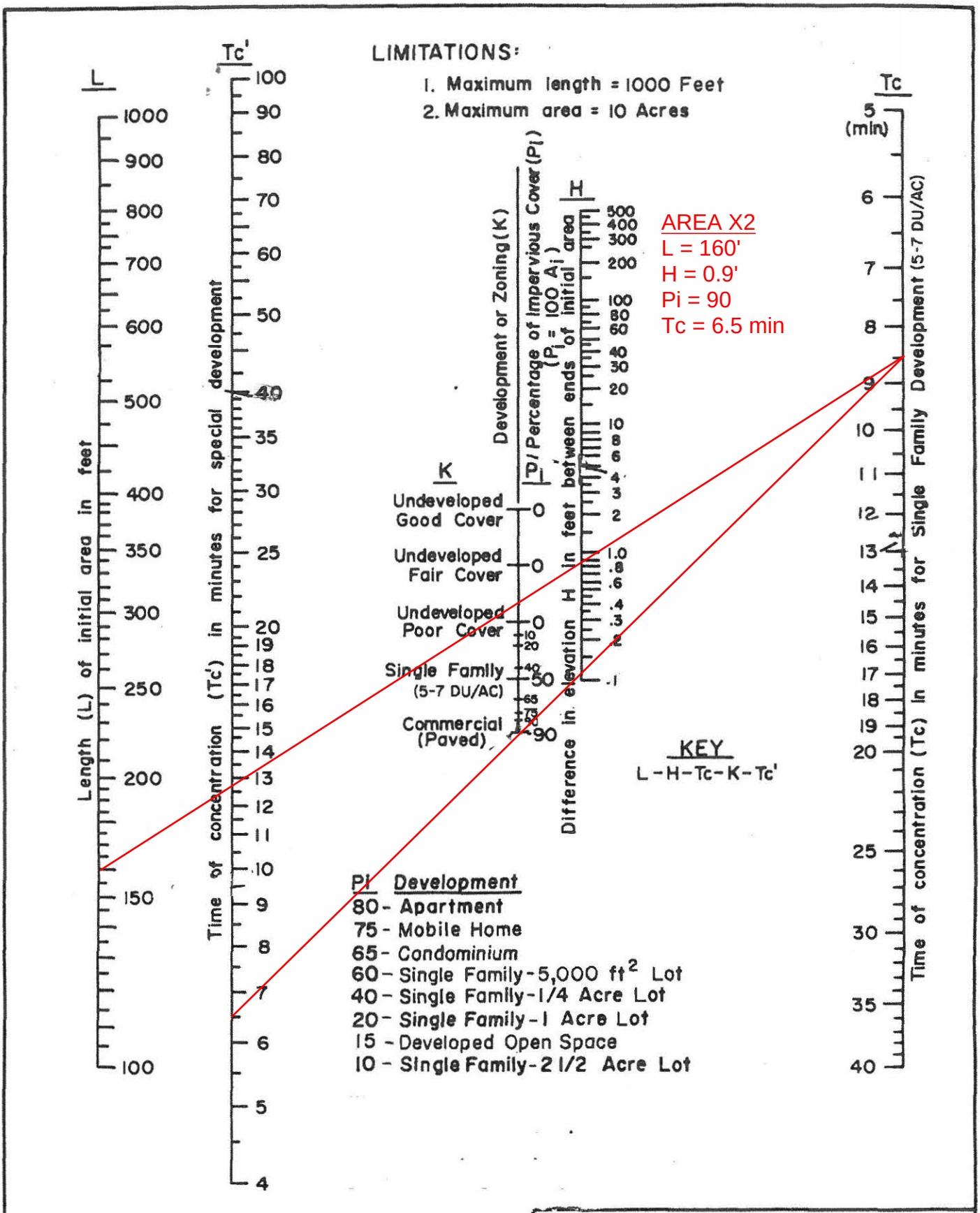
Figure D-1



ORANGE COUNTY
HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1



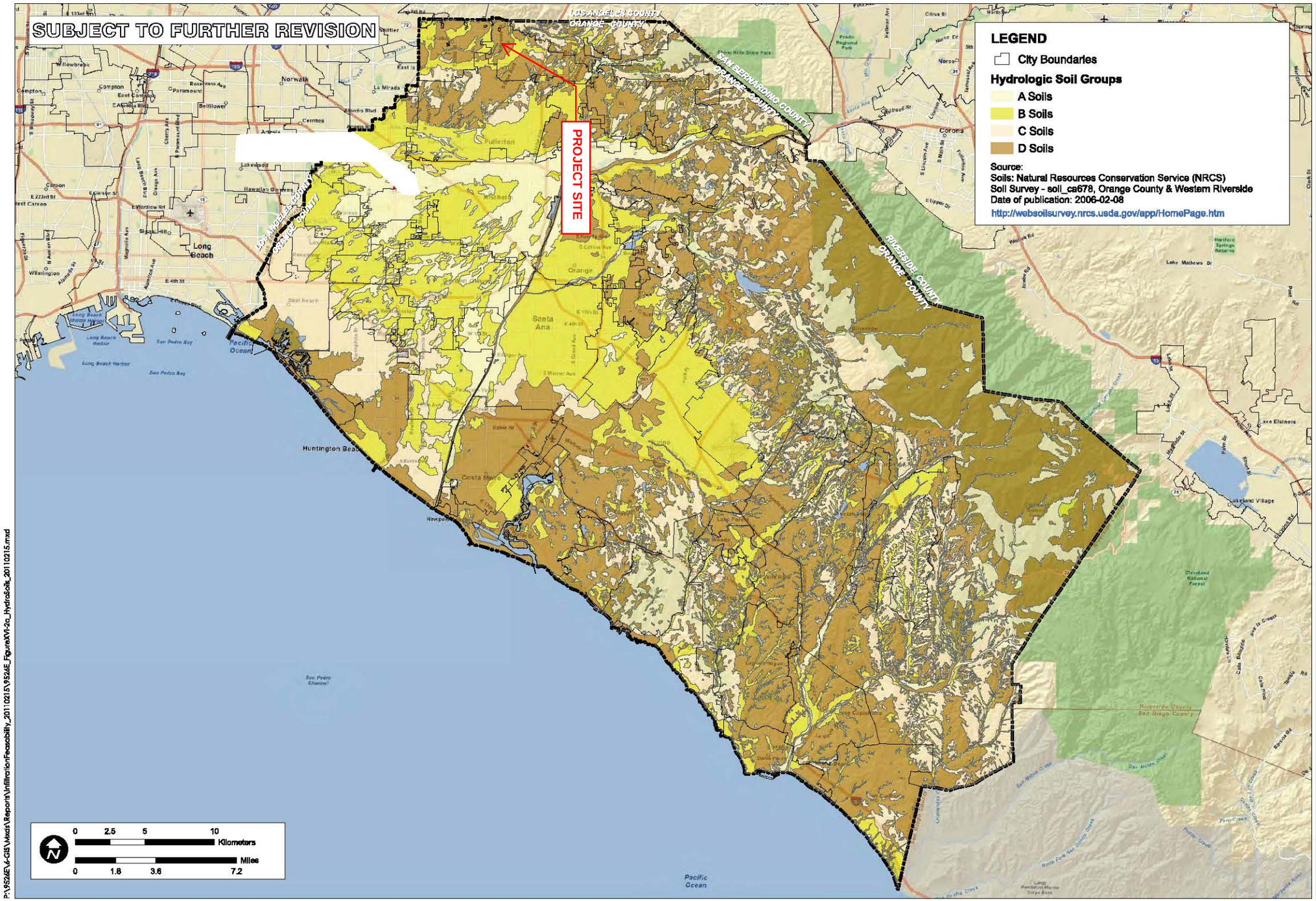
ORANGE COUNTY
HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

APPENDIX D

Orange County Soils Map



TITLE
NRCS HYDROLOGIC SOILS GROUPS

JOB
ORANGE COUNTY INFILTRATION STUDY
ORANGE CO. CA

SCALE	1" = 1.6 miles
DESIGNED	TH
DRAWING	TH
CHECKED	BMP
DATE	02/04/11
JOB NO.	9525-E

PACE Advanced Water Engineering

FIGURE
XVI-2a

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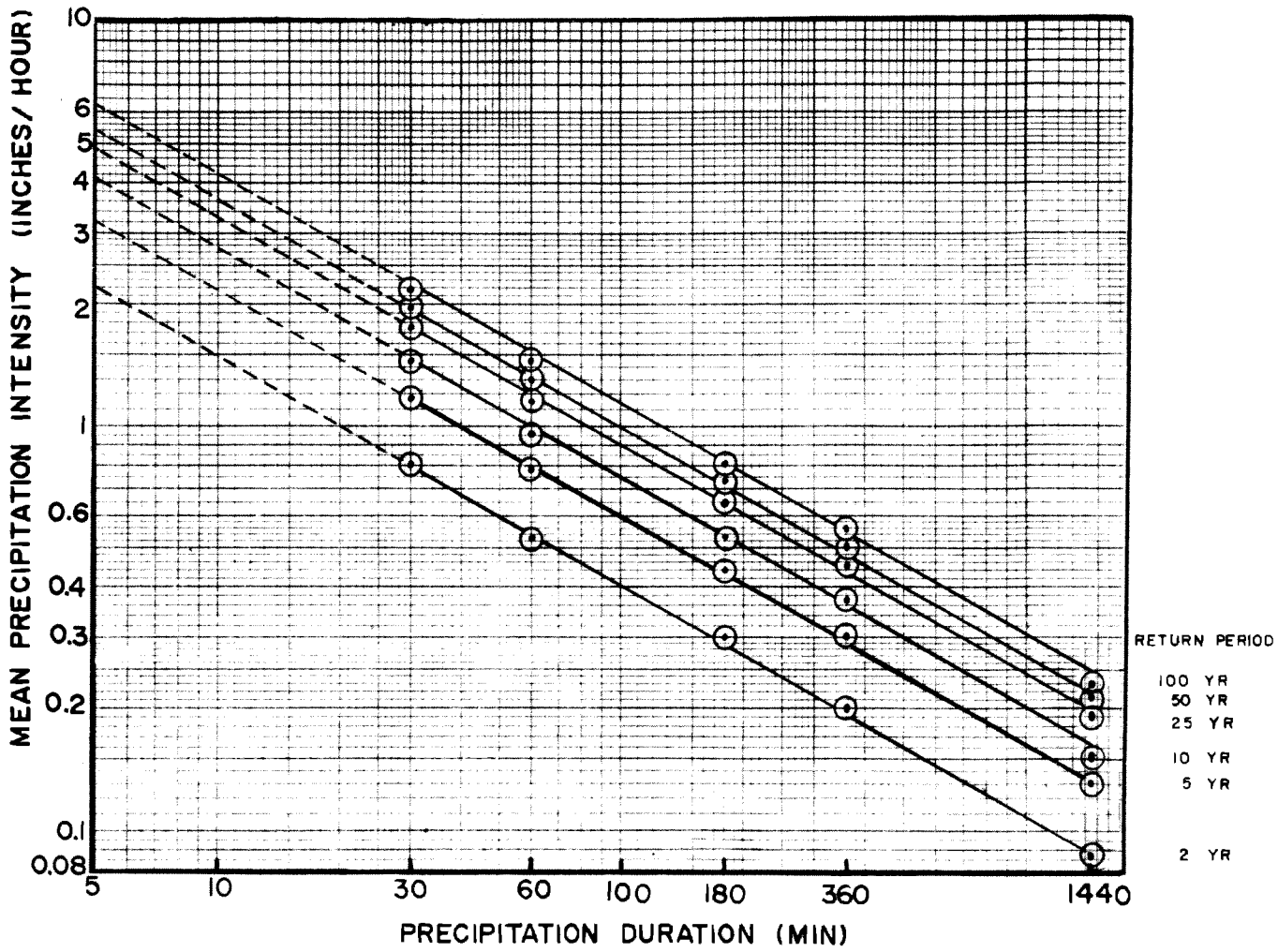
APPENDIX F

Orange County Hydrology Manual References

Regression Equations: $I(t) = at^b$

(I= Intensity in inches/hour, t= duration in minutes)

Return Frequency (years)	a	b
2	5.702	-0.574
5	7.870	-0.562
10	10.209	-0.573
25	11.995	-0.566
50	13.521	-0.566
100	15.560	-0.573



ORANGE COUNTY

HYDROLOGY MANUAL

MEAN PRECIPITATION INTENSITIES FOR NONMOUNTAINOUS AREAS

Figure B-3

ACTUAL IMPERVIOUS COVER

Land Use (1)	Range-Percent	Recommended Value For Average Conditions-Percent (2)
Natural or Agriculture	0 - 0	0
Public Park	10 - 25	15
School	30 - 50	40
Single Family Residential: (3)		
2.5 acre lots	5 - 15	10
1 acre lots	10 - 25	20
2 dwellings/acre	20 - 40	30
3-4 dwellings/acre	30 - 50	40
5-7 dwellings/acre	35 - 55	50
8-10 dwellings/acre	50 - 70	60
More than 10 dwellings/acre	65 - 90	80
Multiple Family Residential:		
Condominiums	45 - 70	65
Apartments	65 - 90	80
Mobile Home Park	60 - 85	75
Commercial, Downtown Business or Industrial	80 - 100	90

Notes:

1. Land use should be based on ultimate development of the watershed. Long range master plans for the County and incorporated cities should be reviewed to insure reasonable land use assumptions.

2. Recommended values are based on average conditions which may not apply to a particular study area. The percentage impervious may vary greatly even on comparable sized lots due to differences in dwelling size, improvements, etc. Landscape practices should also be considered as it is common in some areas to use ornamental gravels underlain by impervious plastic materials in place of lawns and shrubs. A field investigation of a study area shall always be made, and a review of aerial photos, where available, may assist in estimating the percentage of impervious cover in developed areas.

3. For typical equestrian subdivisions increase impervious area 5 percent over the values recommended in the table above.

ORANGE COUNTY

HYDROLOGY MANUAL

ACTUAL IMPERVIOUS COVER FOR DEVELOPED AREAS

Figure C-4

Appendix I: Noise Study

NOISE AND VIBRATION IMPACT ANALYSIS

17802 IRVINE BOULEVARD, TUSTIN RESIDENTIAL DEVELOPMENT PROJECT

TUSTIN, CALIFORNIA

LSA

August 2022

NOISE AND VIBRATION IMPACT ANALYSIS

17802 IRVINE BOULEVARD, TUSTIN RESIDENTIAL DEVELOPMENT PROJECT

TUSTIN, CALIFORNIA

Submitted to:

EPD Solutions, Inc.
2355 Main Street, Suite 100
Irvine, California 92614

Prepared by:

LSA
20 Executive Park, Suite 200
Irvine, California 92614
(949) 553-0666

Project No. ESL2201.31

August 2022

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LIST OF ABBREVIATIONS AND ACRONYMS

ADT	average daily trips
ALUC	Airport Land Use Compatibility
CEQA	California Environmental Quality Act
City	City of Tustin
CNEL	Community Noise Equivalent Level
dBA	A-weighted decibel(s)
FHWA	Federal Highway Administration
ft	foot/feet
FTA	Federal Transit Administration
FTA Manual	FTA *Transit Noise and Vibration Impact Assessment Manual*
in/sec	inch/inches per second
L_{dn}	day-night average noise level
L_{eq}	equivalent continuous sound level
L_{max}	maximum instantaneous sound level
mi	mile/miles
Noise Element	City of Tustin General Plan Noise Element
PPV	peak particle velocity
project	Tustin Residential Development Project
JWA	John Wayne Airport
RMS	root-mean-square
STC	Sound Transmission Class
VdB	vibration velocity decibels

INTRODUCTION

This noise and vibration impact analysis has been prepared to evaluate the potential noise and vibration impacts and reduction measures associated with the proposed Tustin Residential Development Project (project) in Tustin, California. This report is intended to satisfy the City of Tustin's (City) requirement for a project-specific noise impact analysis by examining the impacts of the project site and evaluating noise reduction measures that the project may require.

PROJECT LOCATION AND DESCRIPTION

The proposed project is located in the western portion of the City of Tustin within Orange County, southeast corner of Irvine Boulevard and Prospect Avenue at 17802 and 17842 Irvine Boulevard, Tustin, 92780.

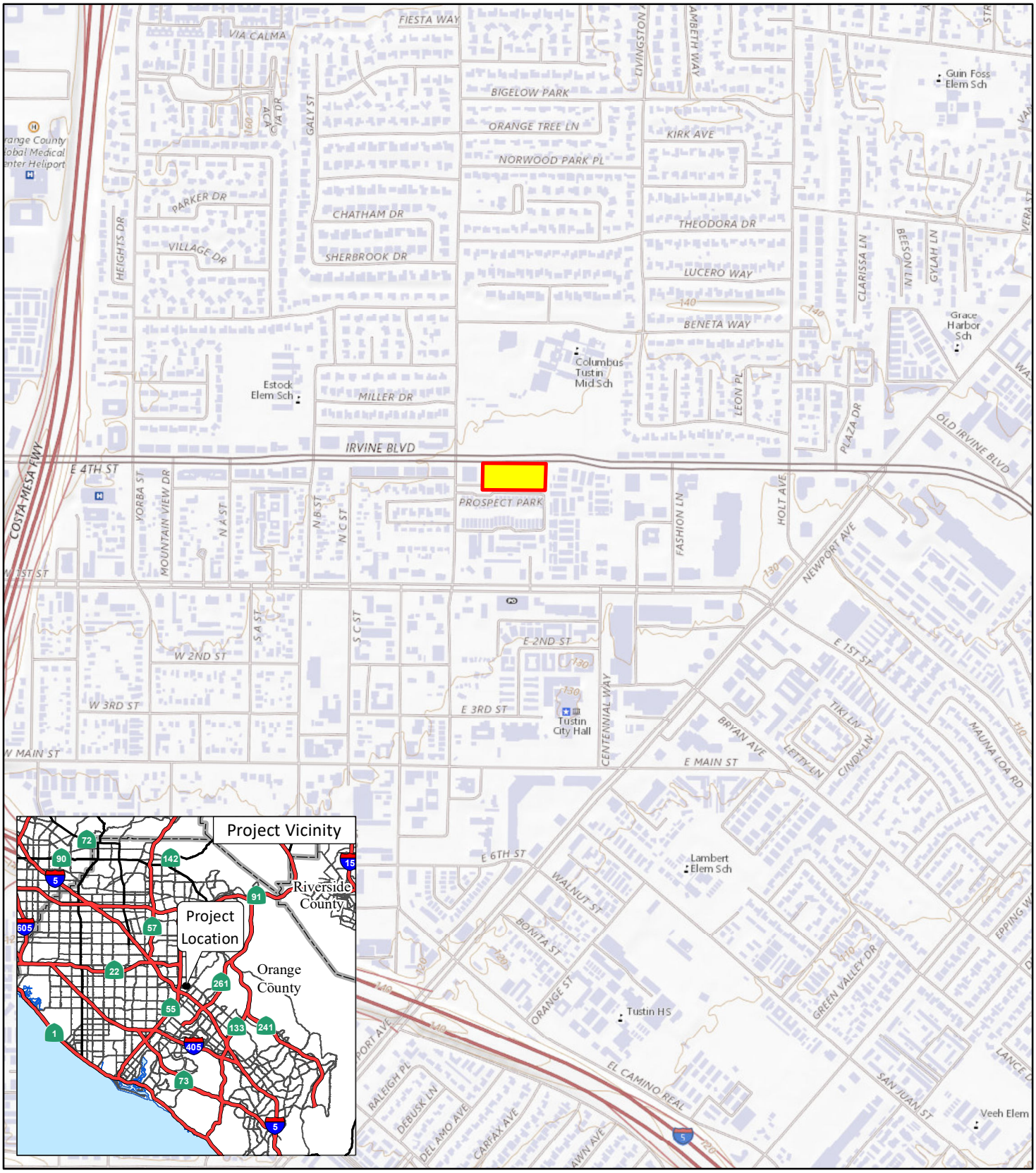
The 2.071-acre Project site consists of two parcels with Assessor's Parcel Numbers (APN) 401-141-13 and 401-141-57. The Project site is bound by Irvine Boulevard to the north, Prospect Park to the south, and Prospect Avenue to the west. Regional access to the Project site is provided via Interstate 5 (I-5) and State Route 55 (SR-55) (known locally as Costa Mesa Freeway). Local access to the Project site is provided via Irvine Boulevard and Prospect Avenue.

The Project proposes to demolish the two existing office buildings (totaling approximately 44,948 SF) and redevelop the 2.071-acre site with 40 residential units. The 40-unit development would include eighteen (18) duplexes (36 units) and four (4) single-family residences, with thirty-eight (38) market rate and two (2) affordable residential units. Additionally, the proposed Project would include landscaping, parking, and utility/stormwater improvements. Approvals required for the Project include a General Plan Amendment and zone change to develop the proposed residential multifamily community with private drive aisles, parking, and landscaping. Figures 1 and 2 show the project location and site plan, respectively.

EXISTING LAND USES IN THE PROJECT AREA

The project site is surrounded primarily by residential and commercial uses. The areas adjacent to the project site include the following uses:

- **North:** Existing Columbus Tustin Park and Columbus Tustin Middle School opposite Irvine Boulevard;
- **East:** Existing Palmwood Gardens, a condominium community.
- **South:** Existing Prospect Park, a high-density residential community.
- **West:** Existing retail commercial uses, including a medical office.



LSA

LEGEND

Project Location

FIGURE 1

N

0 500 1000

FEET

17802 Irvine Boulevard
Tustin Residential Development

Project Location

SOURCE: USGS The National Map (2018)

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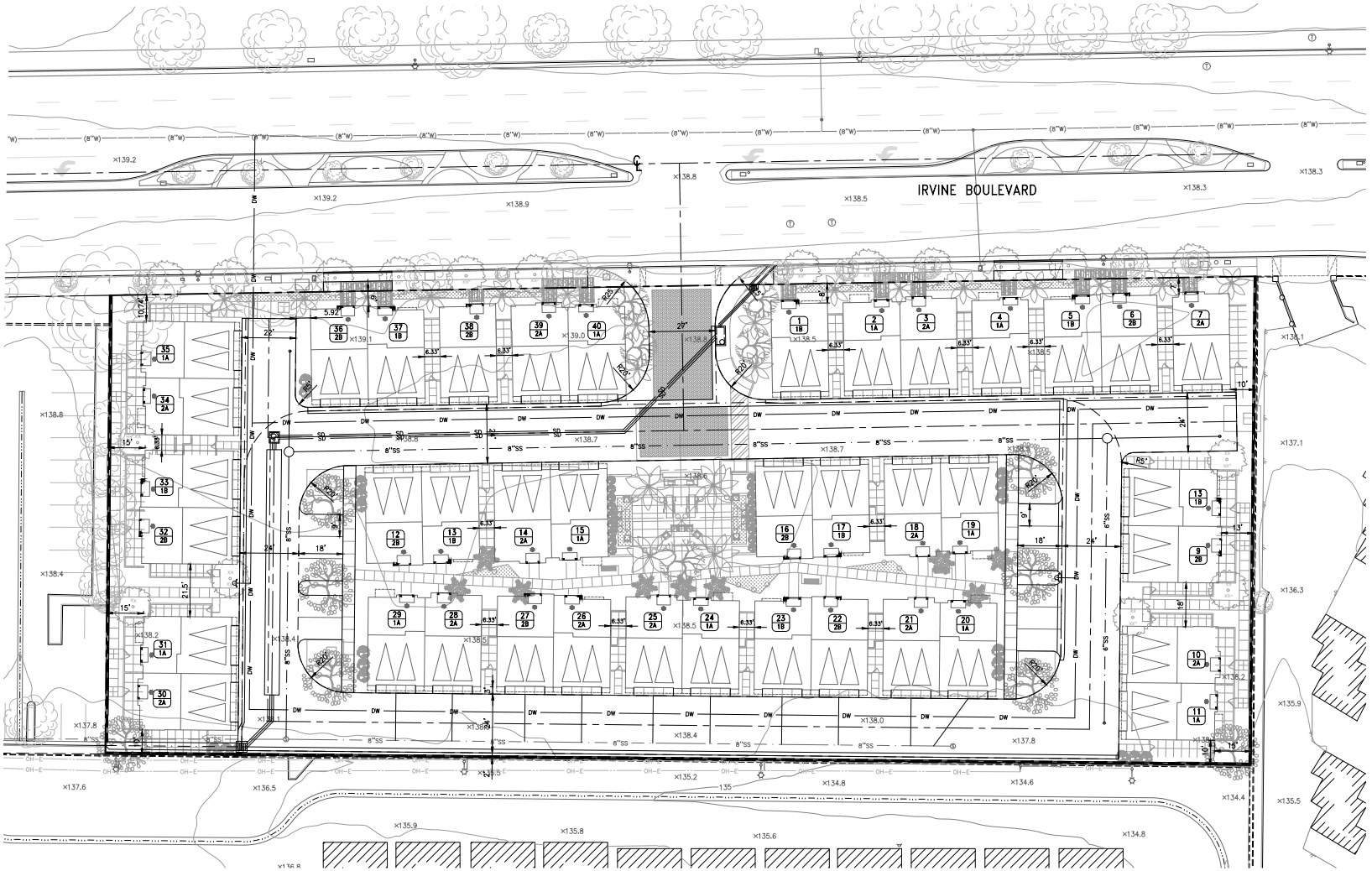

LSA

FIGURE 2

N

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SOURCE: C&V Consulting Engineering

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17802 Irvine Boulevard
Tustin Residential Development
Site Plan

NOISE AND VIBRATION FUNDAMENTALS

CHARACTERISTICS OF SOUND

Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, and sleep.

To the human ear, sound has two significant characteristics: pitch and loudness. Pitch is generally an annoyance, while loudness can affect the ability to hear. Pitch is the number of complete vibrations, or cycles per second, of a sound wave, which results in the tone's range from high to low. Loudness is the strength of a sound, and it describes a noisy or quiet environment; it is measured by the amplitude of the sound wave. Loudness is determined by the intensity of the sound waves combined with the reception characteristics of the human ear. Sound intensity is the average rate of sound energy transmitted through a unit area perpendicular to the direction in which the sound waves are traveling. This characteristic of sound can be precisely measured with instruments. The analysis of a project defines the noise environment of the project area in terms of sound intensity and its effect on adjacent sensitive land uses.

MEASUREMENT OF SOUND

Sound intensity is measured with the A-weighted decibel (dBA) scale to correct for the relative frequency response of the human ear. That is, an A-weighted noise level de-emphasizes low and very high frequencies of sound, similar to the human ear's de-emphasis of these frequencies. Decibels (dB), unlike the linear scale (e.g., inches or pounds), are measured on a logarithmic scale representing points on a sharply rising curve.

For example, 10 dB is 10 times more intense than 0 dB, 20 dB is 100 times more intense than 0 dB, and 30 dB is 1,000 times more intense than 0 dB. Thirty decibels (30 dB) represents 1,000 times as much acoustic energy as 0 dB. The decibel scale increases as the square of the change, representing the sound pressure energy. A sound as soft as human breathing is about 10 times greater than 0 dB. The decibel system of measuring sound gives a rough connection between the physical intensity of sound and its perceived loudness to the human ear. A 10 dB increase in sound level is perceived by the human ear as only a doubling of the sound's loudness. Ambient sounds generally range from 30 dB (very quiet) to 100 dB (very loud).

Sound levels are generated from a source, and their decibel level decreases as the distance from that source increases. Sound levels dissipate exponentially with distance from their noise sources. For a single point source, sound levels decrease approximately 6 dB for each doubling of distance from the source. This drop-off rate is appropriate for noise generated by stationary equipment. If noise is produced by a line source (e.g., highway traffic or railroad operations), the sound decreases 3 dB for each doubling of distance in a hard site environment. Line-source sound levels decrease 4.5 dB for each doubling of distance in a relatively flat environment with absorptive vegetation.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. The equivalent continuous sound level (L_{eq}) is the total sound energy of time-varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the L_{eq} and Community Noise Equivalent Level (CNEL) or the day-night average noise level (L_{dn}) based on A-weighted decibels. CNEL is the time-weighted average noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly L_{eq} for noises occurring from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and a 10 dBA weighting factor applied to noises occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours). L_{dn} is similar to the CNEL scale but without the adjustment for events occurring during relaxation hours. CNEL and L_{dn} are within 1 dBA of each other and are normally interchangeable. The City uses the CNEL noise scale for long-term traffic noise impact assessment.

Other noise rating scales of importance when assessing the annoyance factor include the maximum instantaneous noise level (L_{max}), which is the highest sound level that occurs during a stated time period. The noise environments discussed in this analysis for short-term noise impacts are specified in terms of maximum levels denoted by L_{max}, which reflects peak operating conditions and addresses the annoying aspects of intermittent noise. It is often used together with another noise scale, or noise standards in terms of percentile noise levels, in noise ordinances for enforcement purposes. For example, the L_{10} noise level represents the noise level exceeded 10 percent of the time during a stated period. The L_{50} noise level represents the median noise level. Half the time the noise level exceeds this level, and half the time it is less than this level. The L_{90} noise level represents the noise level exceeded 90 percent of the time and is considered the background noise level during a monitoring period. For a relatively constant noise source, the L_{eq} and L_{50} are approximately the same.

Noise impacts can be described in three categories. The first category includes audible impacts, which are increases in noise levels noticeable to humans. Audible increases in noise levels generally refer to a change of 3 dB or greater because this level has been found to be barely perceptible in exterior environments. The second category, potentially audible, refers to a change in the noise level between 1 dB and 3 dB. This range of noise levels has been found to be noticeable only in laboratory environments. The last category includes changes in noise levels of less than 1 dB, which are inaudible to the human ear. Only audible changes in existing ambient or background noise levels are considered potentially significant.

Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to sound levels higher than 85 dBA. Exposure to high sound levels affects the entire system, with prolonged sound exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. In comparison, extended periods of sound exposure above 90 dBA would result in permanent cell damage. When the sound level reaches 120 dBA, a tickling sensation occurs in the human ear, even with short-term exposure. This level of sound is called the threshold of feeling. As the sound reaches 140 dBA, the tickling sensation is replaced by a feeling of pain in the ear (i.e., the threshold of pain). A sound level of 160–165 dBA will result in dizziness or a

loss of equilibrium. The ambient or background noise problem is widespread and generally more concentrated in urban areas than in outlying, less developed areas.

Table A lists definitions of acoustical terms, and Table B shows common sound levels and their sources.

Table A: Definitions of Acoustical Terms

Term	Definitions
Decibel, dB	A unit of sound measurement that denotes the ratio between two quantities that are proportional to power; the number of decibels is 10 times the logarithm (to the base 10) of this ratio.
Frequency, Hz	Of a function periodic in time, the number of times that the quantity repeats itself in 1 second (i.e., the number of cycles per second).
A-Weighted Sound Level, dBA	The sound level obtained by use of A-weighting. 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. (All sound levels in this report are A-weighted unless reported otherwise.)
L_{01}, L_{10}, L_{50}, L_{90}	The fast A-weighted noise levels that are equaled or exceeded by a fluctuating sound level 1%, 10%, 50%, and 90% of a stated time period, respectively.
Equivalent Continuous Noise Level, L_{eq}	The level of a steady sound that, in a stated time period and at a stated location, has the same A-weighted sound energy as the time-varying sound.
Community Noise Equivalent Level, CNEL	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 5 dBA to sound levels occurring in the evening from 7:00 p.m. to 10:00 p.m. and after the addition of 10 dBA to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
Day/Night Noise Level, L_{dn}	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 10 dBA to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
L_{max}, L_{min}	The maximum and minimum A-weighted sound levels measured on a sound level meter, during a designated time interval, using fast time averaging.
Ambient Noise Level	The all-encompassing noise associated with a given environment at a specified time. Usually a composite of sound from many sources from many directions, near and far; no particular sound is dominant.
Intrusive	The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, time of occurrence, and tonal or informational content, as well as the prevailing ambient noise level.

Source: *Handbook of Acoustical Measurements and Noise Control* (Harris 1991).

Table B: Common Sound Levels and Their Noise Sources

Noise Source	A-Weighted Sound Level in Decibels	Noise Environments	Subjective Evaluations
Near Jet Engine	140	Deafening	128 times as loud
Civil Defense Siren	130	Threshold of Pain	64 times as loud
Hard Rock Band	120	Threshold of Feeling	32 times as loud
Accelerating Motorcycle at a Few Feet Away	110	Very Loud	16 times as loud
Pile Driver; Noisy Urban Street/Heavy City Traffic	100	Very Loud	8 times as loud
Ambulance Siren; Food Blender	95	Very Loud	—
Garbage Disposal	90	Very Loud	4 times as loud
Freight Cars; Living Room Music	85	Loud	—
Pneumatic Drill; Vacuum Cleaner	80	Loud	2 times as loud
Busy Restaurant	75	Moderately Loud	—
Near Freeway Auto Traffic	70	Moderately Loud	Reference level
Average Office	60	Quiet	One-half as loud
Suburban Street	55	Quiet	—
Light Traffic; Soft Radio Music in Apartment	50	Quiet	One-quarter as loud
Large Transformer	45	Quiet	—
Average Residence without Stereo Playing	40	Faint	One-eighth as loud
Soft Whisper	30	Faint	—
Rustling Leaves	20	Very Faint	—
Human Breathing	10	Very Faint	Threshold of Hearing
—	0	Very Faint	—

Source: Compiled by LSA (2022).

FUNDAMENTALS OF VIBRATION

Vibration refers to ground-borne noise and perceptible motion. Ground-borne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem outdoors, where the motion may be discernible, but without the effects associated with the shaking of a building there is less adverse reaction. Vibration energy propagates from a source through intervening soil and rock layers to the foundations of nearby buildings. The vibration then propagates from the foundation throughout the remainder of the structure. Building vibration may be perceived by occupants as the motion of building surfaces, the rattling of items sitting on shelves or hanging on walls, or a low-frequency rumbling noise. The rumbling noise is caused by the vibration of walls, floors, and ceilings that radiate sound waves. Annoyance from vibration often occurs when the vibration exceeds the threshold of perception by 10 dB or less. This is an order of magnitude below the damage threshold for normal buildings.

Typical sources of ground-borne vibration are construction activities (e.g., blasting, pile-driving, and operating heavy-duty earthmoving equipment), steel-wheeled trains, and occasional traffic on rough roads. Problems with both ground-borne vibration and noise from these sources are usually localized to areas within approximately 100 feet (ft) from the vibration source, although there are examples of ground-borne vibration causing interference out to distances greater than 200 ft . When roadways are smooth, vibration from traffic, even heavy trucks, is rarely perceptible. It is assumed for most projects that the roadway surface will be smooth enough that ground-borne

vibration from street traffic will not exceed the impact criteria; however, construction of the project could result in ground-borne vibration that may be perceptible and annoying.

Ground-borne noise is not likely to be a problem because noise arriving via the normal airborne path will usually be greater than ground-borne noise.

Ground-borne vibration has the potential to disturb people and damage buildings. Although it is very rare for train-induced ground-borne vibration to cause even cosmetic building damage, it is not uncommon for construction processes such as blasting and pile-driving to cause vibration of sufficient amplitudes to damage nearby buildings. Ground-borne vibration is usually measured in terms of vibration velocity, either the root-mean-square (RMS) velocity or peak particle velocity (PPV). The RMS is best for characterizing human response to building vibration, and PPV is used to characterize the potential for damage. Decibel notation acts to compress the range of numbers required to describe vibration. Vibration velocity level in decibels is defined as:

$$L_v = 20 \log_{10} [V/V_{ref}]$$

where "L_v" is the vibration velocity in decibels (VdB), "V" is the RMS velocity amplitude, and "V_{ref}" is the reference velocity amplitude, or 1×10^{-6} inches/second (in/sec) used in the United States.

REGULATORY SETTING

APPLICABLE NOISE STANDARDS

The applicable noise standards governing the project site the Noise Element of the City's General Plan (Noise Element) and the City of Tustin Municipal Code.

City of Tustin

Noise Element of the General Plan

The City's General Plan Noise Element (City of Tustin 2012) has established exterior and interior noise standards as shown in Table C. These noise standards apply to approved land uses for which mitigation may be required to achieve the City's noise standards. As shown in Table C, the City has a noise standard of 65 dBA CNEL for exterior habitable areas and a 45 dBA CNEL noise standard for interior habitable areas for residential land uses.

Table C: City of Tustin Interior and Exterior Noise Standards

Land Use	Noise Standards[1]	
	Interior[2,3]	Exterior
Residential: Single-family, multifamily, duplex, mobile home	45 dBA CNEL	65 dBA CNEL[4]
Residential: Transient lodging, hotels, motels, nursing homes, hospitals	45 dBA CNEL	65 dBA CNEL[4]
Private offices, church sanctuaries, libraries, board rooms, conference rooms, theaters, auditoriums, concert halls, meeting rooms, etc.	45 dBA $L_{eq}(12)$	--
Schools	45 dBA $L_{eq}(12)$	67 dBA $L_{eq}(12)$[5]
General offices, reception, clerical, etc.	50 dBA $L_{eq}(12)$	-
Bank lobby, retail store, restaurant, typing pool, etc.	55 dBA $L_{eq}(12)$	-
Manufacturing, kitchen, warehousing, etc.	65 dBA $L_{eq}(12)$	-
Parks, playgrounds	-	65 dBA CNEL[5]
Golf courses, outdoor spectator sports, amusement parks	-	70 dBA CNEL

Source: Noise Element, Tustin General Plan (City of Tustin 2012).

[1] CNEL: Community Noise Equivalent Level. $L_{eq}(12)$: The A-weighted equivalent sound level averaged over a 12-hour period (usually the hours of operation).

[2] Noise standard with windows closed. Mechanical ventilation shall be provided per UBC requirements to provide a habitable environment.

[3] Indoor environment excluding bathrooms, toilets, closets, and corridors.

[4] Outdoor environment limited to rear yard of single-family homes, multifamily patios, and balconies (with a depth of 6 feet or more) and common recreation areas.

[5] Outdoor environment limited to playground areas, picnic areas, and other areas of frequent human use.

dBA = A-weighted decibels

UBC = Uniform Building Code

Municipal Code

Article 4, Chapter 6 of the City's Municipal Code (City of Tustin 2022) establishes the maximum permissible noise level that may intrude into a neighbor's property. The Noise Ordinance establishes noise level standards for various land use categories affected by stationary noise sources. Land use categories in the City are defined by five noise zones, as listed below. Table D provides the City's

maximum noise standard based on the noise zone, the location of the noise (exterior/interior), and the time period.

Noise Zone 1: All residential properties
Noise Zone 2: All commercial properties
Noise Zone 3: All industrial properties
Noise Zone 4: All special properties such as hospitals, convalescent homes, public and institutional schools, libraries and churches
Noise Zone 5: All mixed-use properties.

Article 4, Chapter 6 of the City's Municipal Code limits the erection, demolition, alternation, repair, excavation, grading, paving or construction of any building or site to between the hours of 7:00 a.m. and 6:00 p.m. Monday through Friday and 9:00 a.m. and 5:00 p.m. on Saturdays. Construction is prohibited on Sundays and City-observed federal holidays. Trucks, vehicles and equipment that are making or are involved with material deliveries, loading or transfer of materials, equipment service, maintenance of any devices or appurtenances to any construction project in Tustin shall not be operated on or adjacent to said sites outside of the approved hours for construction activity.

Table D: City of Tustin Maximum Noise Level Standards

Noise Zone	Exterior/ Interior	Time Period	L_{50} (30 mins)	L_{25} (15 mins)	L_8 (5 mins)	L_2 (1 min)	L_{max} (Anytime)
1	Exterior	7:00 AM to 10:00 PM	55	60	65	70	75
		10:00 PM to 7:00 AM	50	55	60	65	70
	Interior	7:00 AM to 10:00 PM	—	—	55	60	65
		10:00 PM to 7:00 AM	—	—	45	50	55
2	Exterior	Anytime	60	65	70	75	80
3	Exterior	Anytime	70	75	80	85	90
4	Exterior	Anytime	55	60	65	70	75
5	Exterior	Anytime	60	65	70	75	80

Source: Municipal Code (City of Tustin 2018).
Note: It shall be unlawful for any person at any location within the incorporated area of the City of Tustin to create any noise or to allow the creation of any noise on property owned, leased, occupied or otherwise controlled by such person, when the foregoing causes the noise level, when measured on any other property to exceed. In the event the alleged offensive noise consists of impact noise, simple tone, speech, music, or any combination thereof, each of the above noise levels shall be reduced by 5 dBA. In the event the ambient noise level exceeds any of the first four noise limit categories, the cumulate period applicable to said category shall be increased to reflect said ambient noise level. In the event the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level under said category shall be increased to reflect the maximum ambient noise level.
dBA = A-weighted decibels
L_{max} = maximum instantaneous noise level
min/mins = minute/minutes

In addition, construction activities may be permitted outside of those limitations in the case of urgent necessity or upon a finding that such approval will not adversely impact adjacent properties and the health, safety and welfare of the community if a temporary exception is granted in writing by the Building Official for private property or by the Director of Public Works for public properties or their authorized representatives. All temporary waiver requests shall be made in writing and shall include the specific times, dates, and locations requested and a description of the type of activity that is proposed. In granting a temporary exception, conditions may be imposed on construction

activities to protect the health, safety and welfare of the community. Any approval granted may be summarily revoked by the Building Official or Director of Public Works at the sole discretion of each official.

Federal Transit Administration

Although the City does not have daytime construction noise level limits for activities that occur within the specified hours in Section 11.80.030(D)(7) to determine potential California Environmental Quality Act (CEQA) noise impacts, construction noise was assessed using criteria from the *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018) (FTA Manual). Table E shows the FTA's General Assessment Construction Noise Criteria based on the composite noise levels per construction phase.

Table E: General Assessment Construction Noise Criteria

Land Use	Daytime 1-hour L_{eq} (dBA)	Nighttime 1-hour L_{eq} (dBA)
Residential	90	80
Commercial	100	100
Industrial	100	100

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
dBA = A-weighted decibels
L_{eq} = equivalent continuous sound level

APPLICABLE VIBRATION STANDARDS

Given the City of Tustin has not established its own vibration impact criteria, the following information provides standards to which potential vibration impacts will be compared. Vibration standards included in the FTA Manual are used in this analysis for ground-borne vibration impacts on human annoyance and potential damage.

Federal Transit Administration

Vibration standards included in the FTA Manual are used in this analysis for ground-borne vibration impacts on human annoyance. The criteria for environmental impact from ground-borne vibration and noise are based on the maximum levels for a single event. Table F provides the criteria for assessing the potential for interference or annoyance from vibration levels in a building.

Table G lists the potential vibration building damage criteria associated with construction activities, as suggested in the FTA Manual. FTA guidelines show that a vibration level of up to 0.5 in/sec in PPV is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For non-engineered timber and masonry buildings, the construction building vibration damage criterion is 0.2 in/sec in PPV.

Table F: Interpretation of Vibration Criteria for Detailed Analysis

Land Use	Max L_V (VdB)[1]	Description of Use
Workshop	90	Vibration that is distinctly felt. Appropriate for workshops and similar areas not as sensitive to vibration.
Office	84	Vibration that can be felt. Appropriate for offices and similar areas not as sensitive to vibration.
Residential Day	78	Vibration that is barely felt. Adequate for computer equipment and low-power optical microscopes (up to 20×).
Residential Night and Operating Rooms	72	Vibration is not felt, but ground-borne noise may be audible inside quiet rooms. Suitable for medium-power microscopes (100×) and other equipment of low sensitivity.

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] As measured in 1/3-octave bands of frequency over a frequency range of 8 to 80 Hertz.
FTA = Federal Transit Administration
Max = maximum
L_V = velocity in decibels
VdB = vibration velocity decibels

Table G: Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
Reinforced concrete, steel, or timber (no plaster)	0.50
Engineered concrete and masonry (no plaster)	0.30
Non-engineered timber and masonry buildings	0.20
Buildings extremely susceptible to vibration damage	0.12

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
FTA = Federal Transit Administration
PPV = peak particle velocity
in/sec = inch/inches per second

OVERVIEW OF THE EXISTING NOISE ENVIRONMENT

The primary existing noise sources in the project area are transportation facilities. Traffic on Irvine Boulevard and Prospect Avenue are a steady source of ambient noise.

AMBIENT NOISE MEASUREMENTS

Long-Term Noise Measurements

Two long-term (24-hour) noise level measurements were conducted on July 25 through July 26, 2022, using two Larson Davis Spark 706RC Dosimeters. Table H provides a summary of the measured hourly noise levels from the noise level measurements. Hourly noise levels at surrounding sensitive uses are as low as 43.6 dBA L_{eq} during nighttime hours and 50.6 dBA L_{eq} during daytime hours. Noise monitoring data results are provided in Appendix A. Figure 3 shows the noise monitoring locations.

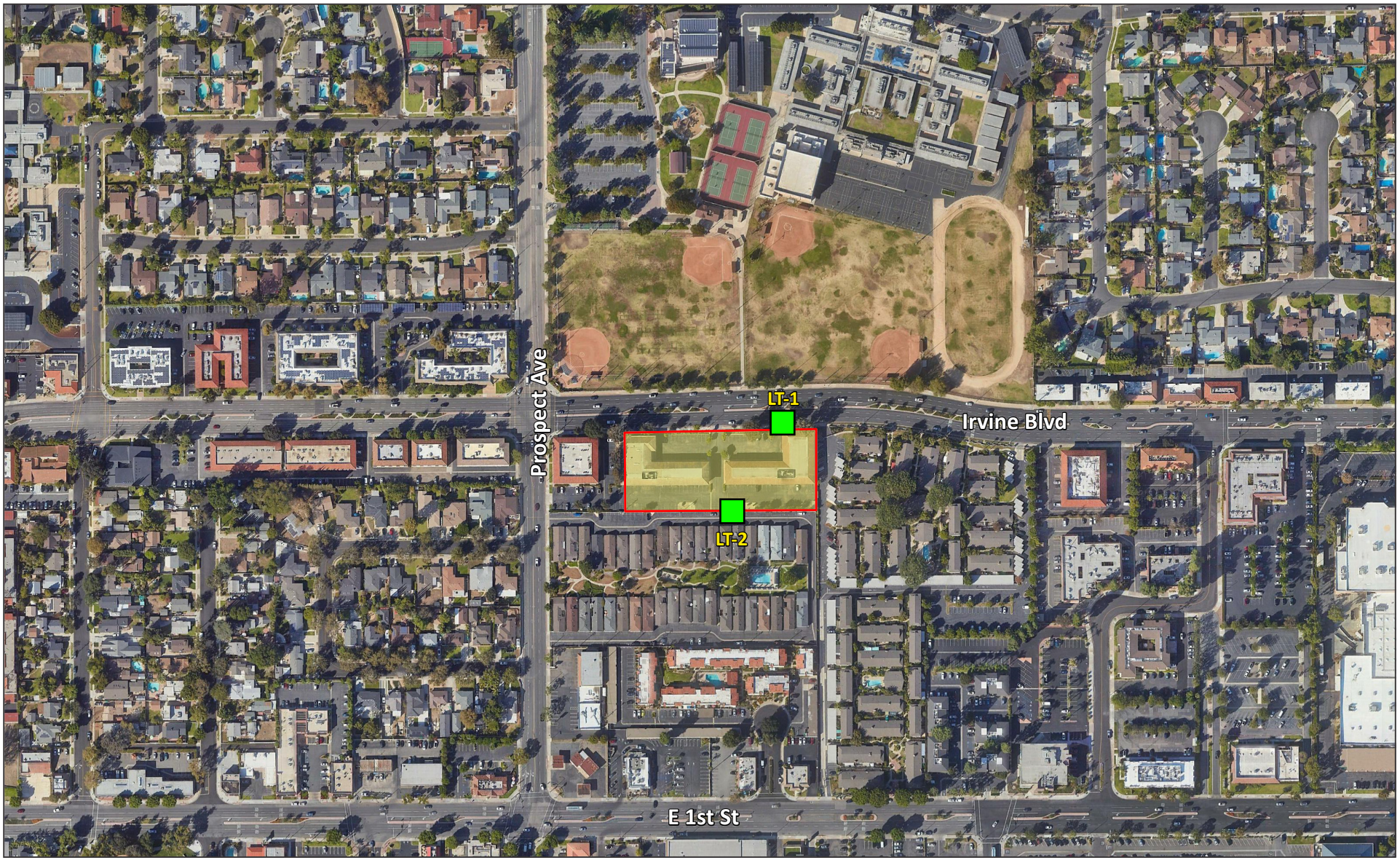
Table H: Existing Noise Level Measurements

Location	Location Description	Daytime Noise Levels[1] (dBA L_{eq})	Evening Noise Levels[2] (dBA L_{eq})	Nighttime Noise Levels[3] (dBA L_{eq})	Average Daily Noise Levels (dBA CNEL)
LT-1	Northeast corner of project site, near the proposed northern facades of the residential units.	67.6 – 69.5	65.1 – 67.4	53.6 – 66.4	70.0
LT-2	Southern corner of project site near Prospect Park.	50.6 – 63.1	60.2 – 61.1	43.6 – 58.5	62.0

Source: Compiled by LSA (August 2022).
[1] Daytime Noise Levels = noise levels during the hours of 7:00 a.m. to 7:00 p.m.
[2] Evening Noise Levels = noise levels during the hours of 7:00 p.m. to 10:00 p.m.
[3] Nighttime Noise Levels = noise levels during the hours of 10:00 p.m. to 7:00 a.m.
dBA = A-weighted decibels
ft = foot/feet
CNEL = Day-night Level
L_{eq} = equivalent continuous sound level

EXISTING AIRCRAFT NOISE

Airport-related noise levels are primarily associated with aircraft engine noise made while aircraft are taking off, landing, or running their engines while still on the ground. The closest airport to the proposed project site is John Wayne Airport (JWA), located approximately 5.15 miles (mi) south of the project site. The project site is outside the 65 dBA CNEL noise contour, or Noise Impact Zone "1", and the 60 dBA CNEL noise contour, or Noise Impact Zone "2", of John Wayne Airport (JWA) based on the JWA Airport Impact Zones map in the Airport Environs Land Use Plan (Orange County Airport Land Use Commission 2008). Therefore, the project site is not expected to experience airport-related noise levels in excess of the City of Tustin exterior standards. No further analysis is necessary.



LSA

FIGURE 3

LEGEND

Project Location

ST-1 Short-term Noise Monitoring Location

LT-1 Long-term Noise Monitoring Location

0 100 200

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SOURCE: Google Earth 2022

17802 Irvine Boulevard
Tustin Residential Development

Noise Monitoring Locations

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PROJECT IMPACT ANALYSIS

SHORT-TERM CONSTRUCTION NOISE IMPACTS

Two types of short-term noise impacts could occur during the construction of the proposed project. First, construction crew commutes and the transport of construction equipment and materials to the site for the proposed project would incrementally increase noise levels on access roads leading to the site. Although there would be a relatively high single-event noise-exposure potential causing intermittent noise nuisance (passing trucks at 50 ft would generate up to 84 dBA L_{max}), the effect on longer-term ambient noise levels would be small when compared to existing daily traffic volumes on Irvine Boulevard. Because construction-related vehicle trips would not approach existing daily traffic volumes, traffic noise would not increase by 3 dBA CNEL. A noise level increase of less than 3 dBA would not be perceptible to the human ear in an outdoor environment. Therefore, short-term, construction-related impacts associated with worker commute and equipment transport to the project site would be less than significant.

The second type of short-term noise impact is related to noise generated during construction, which includes demolition, site preparation, grading, building construction, paving, and architectural coating on the project site. Construction is completed in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on the site and, therefore, the noise levels surrounding the site as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Table I lists typical construction equipment noise levels recommended for noise impact assessments, based on a distance of 50 ft between the equipment and a noise receptor, taken from the Federal Highway Administration (FHWA) *Roadway Construction Noise Model* (FHWA 2006).

In addition to the reference maximum noise level, the usage factor provided in Table I is used to calculate the hourly noise level impact for each piece of equipment based on the following equation:

$$L_{eq}(equip) = E.L. + 10\log(U.F.) - 20\log\left(\frac{D}{50}\right)$$

where: $L_{eq}(equip)$ = L_{eq} at a receiver resulting from the operation of a single piece of equipment over a specified time period.

E.L. = noise emission level of the particular piece of equipment at a reference distance of 50 ft.

U.F. = usage factor that accounts for the fraction of time that the equipment is in use over the specified period of time.

D = distance from the receiver to the piece of equipment.

Table I: Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Usage Factor (%)[1]	Maximum Noise Level (L_{max}) at 50 Feet[2]
Auger Drill Rig	20	84
Backhoes	40	80
Compactor (ground)	20	80
Compressor	40	80
Cranes	16	85
Dozers	40	85
Dump Trucks	40	84
Excavators	40	85
Flat Bed Trucks	40	84
Forklift	20	85
Front-end Loaders	40	80
Graders	40	85
Impact Pile Drivers	20	95
Jackhammers	20	85
Paver	50	77
Pickup Truck	40	55
Pneumatic Tools	50	85
Pumps	50	77
Rock Drills	20	85
Rollers	20	85
Scrapers	40	85
Tractors	40	84
Trencher	50	80
Welder	40	73

Source: *FHWA Roadway Construction Noise Model User's Guide,* Table 1 (FHWA 2006).
Note: Noise levels reported in this table are rounded to the nearest whole number.
[1] Usage factor is the percentage of time during a construction noise operation that a piece of construction equipment is operating at full power.
[2] Maximum noise levels were developed based on Specification 721.560 from the Central Artery/ Tunnel program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
FHWA = Federal Highway Administration
L_{max} = maximum instantaneous sound level

Each piece of construction equipment operates as an individual point source. Using the following equation, a composite noise level can be calculated when multiple sources of noise operate simultaneously:

$$Leq\ (composite) = 10 * \log_{10}\left(\sum_{1}^{n} 10^{\frac{Ln}{10}}\right)$$

Using the equations from the methodology above, the reference information in Table I, and the construction equipment list provided, the composite noise level of each construction phase was calculated. The project construction composite noise levels at a distance of 50 feet would range from 74 dBA L_{eq} to 89 dBA L_{eq}, with the highest noise levels occurring during the demolition phase.

Once composite noise levels are calculated, reference noise levels can then be adjusted for distance using the following equation:

$$Leq\ (at\ distance\ X) = Leq\ (at\ 50\ feet) - 20 * \log_{10}\left(\frac{X}{50}\right)$$

In general, this equation shows that doubling the distance would decrease noise levels by 6 dBA, while halving the distance would increase noise levels by 6 dBA.

Table J shows the nearest sensitive uses to the project site, their distance from the center of construction activities, and composite noise levels expected during construction. These noise level projections do not consider intervening topography or barriers. Construction equipment calculations are provided in Appendix B.

Table J: Potential Construction Noise Impacts at Nearest Receptor

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 feet[1]	Distance (feet)	Composite Noise Level (dBA L_{eq})
Residences (South)	89	135	80
Residences (East)		285	73
Commercial (West)		285	73
School (North)		670	66

Source: Compiled by LSA (2022).

[1] The composite construction noise level represents the demolition phase, which is expected to result in the greatest noise level as compared to other phases.

dBA = A-weighted decibels

L_{eq} = equivalent continuous sound level

While construction noise will vary, it is expected that composite noise levels during construction at the nearest off-site sensitive residential use to the south would reach an average noise level of 80 dBA L_{eq} during daytime hours. These predicted noise levels would only occur when all construction equipment is operating simultaneously and, therefore, are assumed to be rather conservative in nature. While construction-related short-term noise levels have the potential to be higher than existing ambient noise levels in the project area under existing conditions, the noise impacts would no longer occur once project construction is completed.

As stated above, construction activities are regulated by the City's Noise Ordinance. The proposed project would comply with the construction hours specified in the City's Noise Ordinance, which states that construction activities are allowed between the hours of 7:00 a.m. and 6:00 p.m. Monday through Friday and 9:00 a.m. and 5:00 p.m. on Saturdays. Construction is prohibited on Sundays and City-observed federal holidays.

As it relates to off-site uses, construction-related noise levels would remain below the daytime 90 dBA L_{eq} 1-hour construction noise level criteria established by the FTA for residential and similar sensitive uses and, therefore, would be considered less than significant. Best construction practices presented at the end of this analysis shall be implemented to minimize noise impacts to surrounding receptors.

SHORT-TERM CONSTRUCTION VIBRATION IMPACTS

This construction vibration impact analysis discusses the level of human annoyance using vibration levels in VdB and assesses the potential for building damages using vibration levels in PPV (in/sec). This is because vibration levels calculated in RMS are best for characterizing human response to building vibration, while calculating vibration levels in PPV is best for characterizing the potential for damage.

Table K shows the PPV and VdB values at 25 ft from the construction vibration source. As shown in Table K, bulldozers and other heavy-tracked construction equipment (expected to be used for this project) generate approximately 0.089 PPV in/sec or 87 VdB of ground-borne vibration when measured at 25 ft, based on the FTA Manual. The distance to the nearest buildings for vibration impact analysis is measured between the nearest off-site buildings and the project construction boundary (assuming the construction equipment would be used at or near the project setback line).

Table K: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 ft	
	PPV (in/sec)	L_V (VdB)[1]
Pile Driver (Impact), Typical	0.644	104
Pile Driver (Sonic), Typical	0.170	93
Vibratory Roller	0.210	94
Hoe Ram	0.089	87
Large Bulldozer[2]	**0.089**	**87**
Caisson Drilling	0.089	87
Loaded Trucks[2]	**0.076**	**86**
Jackhammer	0.035	79
Small Bulldozer	0.003	58

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] RMS vibration velocity in decibels (VdB) is 1 µin/sec.
[2] Equipment shown in **bold** is expected to be used on site.
µin/sec = microinches per second
ft = foot/feet
FTA = Federal Transit Administration
in/sec = inch/inches per second
L_V = velocity in decibels
PPV = peak particle velocity
RMS = root-mean-square
VdB = vibration velocity decibels

The formulae for vibration transmission are provided below, and Tables L and M provide a summary of off-site construction vibration levels.

$$L_vdB\ (D) = L_vdB\ (25\ ft) - 30\ Log\ (D/25)$$

$$PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$$

As shown in Table F, above, the threshold at which vibration levels would result in annoyance would be 78 VdB for daytime residential uses. As shown in Table G, the FTA guidelines indicate that for a non-engineered timber and masonry building, the construction vibration damage criterion is 0.2 in/sec in PPV.

Table L: Potential Construction Vibration Annoyance Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (VdB) at 25 ft[1]	Distance (ft) [2]	Vibration Level (VdB)
Residences (South)	87	135	65
Residences (East)		285	55
Commercial (West)		285	55
School (North)		670	44

Source: Compiled by LSA (2022).
[1] The reference vibration level is associated with a large bulldozer, which is expected to be representative of the heavy equipment used during construction.
[2] The reference distance is associated with the average condition, identified by the distance from the center of construction activities to surrounding uses.
ft = foot/feet
VdB = vibration velocity decibels

Table M: Potential Construction Vibration Damage Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (PPV) at 25 ft[1]	Distance (ft)[2]	Vibration Level (PPV)
Residences (South)	0.089	35	0.054
Residences (East)		50	0.031
Commercial (West)		50	0.031
School (North)		520	0.001

Source: Compiled by LSA (2022).
[1] The reference vibration level is associated with a large bulldozer, which is expected to be representative of the heavy equipment used during construction.
[2] The reference distance is associated with the peak condition, identified by the distance from the perimeter of construction activities to surrounding structures.
ft = foot/feet
PPV = peak particle velocity

Based on the information provided in Table L, vibration levels are expected to approach 65 VdB at the closest residential uses located immediately south of the project site, which is below the 78 VdB threshold for annoyance.

The closest structure to the project site is the residential uses to the south of site, approximately 35 ft from the limits of construction activity. It is expected that vibration levels generated by dump trucks and other large equipment that would operate near the property line would generate ground-borne vibration levels of up to 0.054 PPV (in/sec) at the closest structure to the project site. This vibration level would not exceed the 0.2 PPV (in/sec) threshold considered safe for non-engineered timber and masonry buildings. All other structures are further away and would experience lower vibration levels. Therefore, vibration impacts would be less than significant. Because construction activities are regulated by the City's Municipal Code, which states that construction, maintenance, or demolition activities are allowed between the hours of 7:00 a.m. and

6:00 p.m. Monday through Friday and 9:00 a.m. and 5:00 p.m. on Saturdays, vibration impacts would not occur during the more sensitive nighttime hours.

LONG-TERM OFF-SITE TRAFFIC NOISE IMPACTS

In order to assess the potential traffic impacts related to the proposed project, a *Focused Traffic Study Analysis for the 17802 Irvine Boulevard, Tustin Residential Development* (EPD Solutions, Inc. 2022) has been prepared. Based on the analysis results, it was determined that a net additional 297 average daily trips (ADT) would be generated by the proposed project and a total existing PM volume of 2,260 at the intersection of Project Driveway and Irvine Boulevard. Assuming the ADT is 10 times the PM volume, the expected traffic volume on the adjacent segment of Irvine Boulevard is 22,600. The following equation was used to determine the potential impacts of the project:

$$\text{Change in CNEL} = 10\ log_{10}\left[V_{e+p}/V_{existing}\right]$$

where: $V_{existing}$ = existing daily volumes
V_{e+p} = existing daily volumes plus project
Change in CNEL = increase in noise level due to the project

The results of the calculations show that an increase of approximately 0.06 dBA CNEL is expected along the streets adjacent to the project site. A noise level increase of less than 1 dBA would not be perceptible to the human ear; therefore, the traffic noise increase in the vicinity of the project site resulting from the proposed project would be less than significant. No mitigation is required.

LONG-TERM TRAFFIC-RELATED VIBRATION IMPACTS

The proposed project would not generate vibration levels related to on-site operations. In addition, vibration levels generated from project-related traffic on the adjacent roadways are unusual for on-road vehicles because the rubber tires and suspension systems of on-road vehicles provide vibration isolation. Vibration levels generated from project-related traffic on the adjacent roadways would be less than significant, and no mitigation measures are required.

BEST CONSTRUCTION PRACTICES

In addition to compliance with the City's Municipal Code allowed hours of construction of 7:00 a.m. and 6:00 p.m. Monday through Friday and 9:00 a.m. and 5:00 p.m. on Saturdays, excluding Sundays and holidays, the following recommendations would reduce construction noise to the extent feasible:

- The project construction contractor should equip all construction equipment, fixed or mobile, with properly operating and maintained noise mufflers, consistent with manufacturer's standards.

- The project construction contractor should locate staging areas away from off-site sensitive uses during the later phases of project development.

- The project construction contractor should place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site whenever feasible.

LAND USE COMPATIBILITY

The dominant source of noise in the project vicinity is traffic noise from roadways in the vicinity of the project.

EXTERIOR NOISE ASSESSMENT

Based on the monitoring results shown in Table H, the existing measured noise levels at the project site closest to Irvine Boulevard, approximately 50 feet away from Irvine Boulevard centerline, is 70.0 dBA CNEL. Based on the project site plan, the exterior living areas of the proposed residential units are either shared spaces, access points to the units, or balconies that are less than 6 ft deep. Additionally, the outdoor recreation space located near the center of the project site would experience noise levels less than 65 dBA CNEL due to distance attenuation and shielding from the proposed residential uses. Therefore, noise reduction features to the exterior living areas are not necessary.

INTERIOR NOISE ASSESSMENT

As discussed above, the California Code of Regulations and the City's Noise Element an interior noise level standard of 45 dBA CNEL or less is required for all noise-sensitive rooms. Based on the expected future exterior noise levels at the lots closest to Irvine Boulevard approaching 70 dBA CNEL, a minimum noise reduction of 25 dBA would be required.

Based on reference information from transmission loss test reports for various Milgard windows (Milgard 2008), the necessary reduction can be achieved with standard building construction and upgraded windows with Sound Transmission Class (STC) ratings of 30-35, depending on the window-to-glass ratio, at the lots closest to Irvine Boulevard. For all other lots, standard building construction along with standard windows, typically in the STC 25-28 range, interior noise levels of 45 dBA CNEL or less would be achieved.

Once final plans are available to detail the exterior wall construction and a window manufacturer has been chosen, a Final Acoustical Report (FAR) would be required to confirm the reduction capability of the exterior façades and to identify any specific upgrades necessary to achieve an interior noise level of 45 dBA CNEL or below.

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APPENDIX A

NOISE MONITORING DATA

Noise Measurement Survey – 24 HR

Project Number: ESL2201.31
Project Name: 17802 Irvine Blvd

Test Personnel: Kevin Nguyendo
Equipment: Spark 706RC (SN:18905)

Site Number: LT-1 Date: 7/27/2022

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Located on the northeast corner of the project site on a tree.

Primary Noise Sources: Regular traffic noise on Irvine Boulevard.

Comments: Plaza is not operational

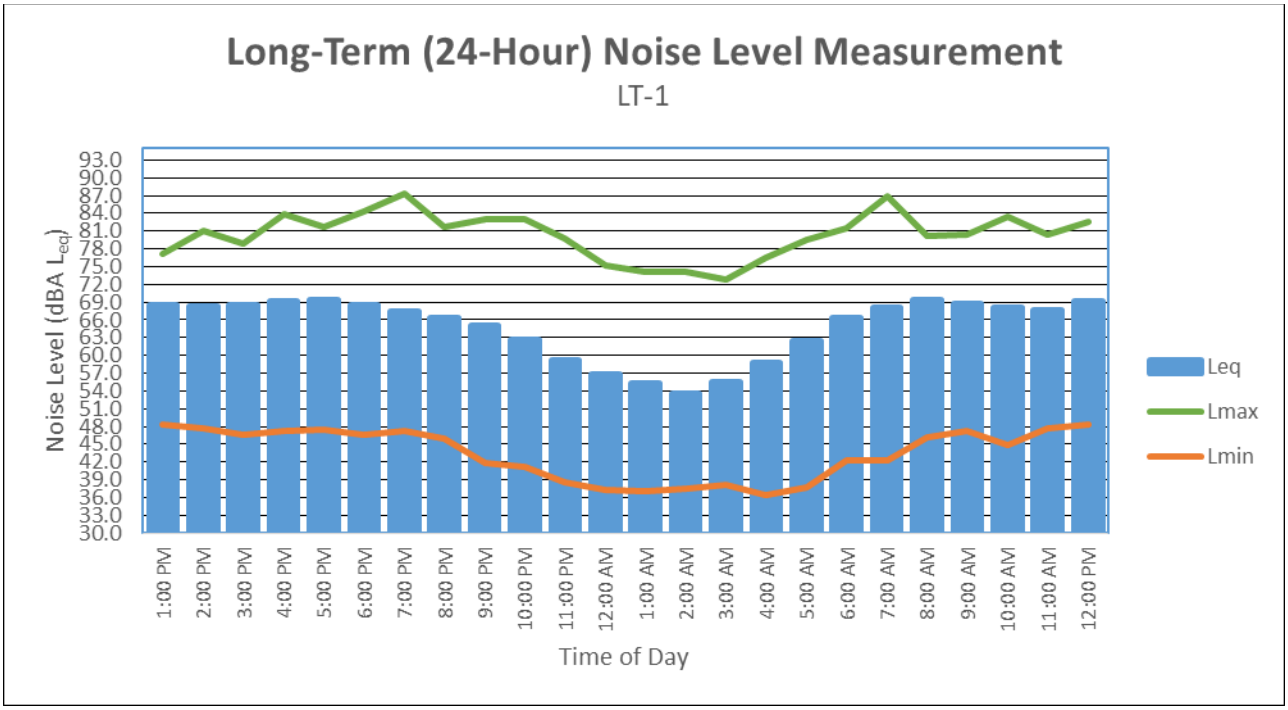
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
1:00 PM	7/25/22	68.6	77.2	48.4
2:00 PM	7/25/22	68.3	81.0	47.7
3:00 PM	7/25/22	68.5	78.9	46.6
4:00 PM	7/25/22	69.2	83.9	47.2
5:00 PM	7/25/22	69.5	81.6	47.5
6:00 PM	7/25/22	68.5	84.4	46.7
7:00 PM	7/25/22	67.4	87.3	47.3
8:00 PM	7/25/22	66.4	81.6	46.0
9:00 PM	7/25/22	65.1	82.9	41.9
10:00 PM	7/25/22	62.7	83.0	41.1
11:00 PM	7/25/22	59.1	79.8	38.6
12:00 AM	7/26/22	56.7	75.3	37.3
1:00 AM	7/26/22	55.2	74.1	37.0
2:00 AM	7/26/22	53.6	74.2	37.4
3:00 AM	7/26/22	55.4	72.8	38.2
4:00 AM	7/26/22	58.8	76.6	36.5
5:00 AM	7/26/22	62.5	79.6	37.7
6:00 AM	7/26/22	66.4	81.4	42.3
7:00 AM	7/26/22	68.1	87.0	42.2
8:00 AM	7/26/22	69.3	80.2	46.2
9:00 AM	7/26/22	68.8	80.4	47.2
10:00 AM	7/26/22	68.1	83.5	44.9
11:00 AM	7/26/22	67.6	80.5	47.7
12:00 PM	7/26/22	69.1	82.6	48.4

Source: Compiled by LSA Associates, Inc. (2022).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-1
Noise Level (dBA Leq)
93.0
90.0
87.0
84.0
81.0
78.0
75.0
72.0
69.0
66.0
63.0
60.0
57.0
54.0
51.0
48.0
45.0
42.0
39.0
36.0
33.0
30.0
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
12:00 PM
Time of Day
Leq
Lmax
Lmin

Noise Measurement Survey – 24 HR

Project Number: ESL2201.31
Project Name: 17802 Irvine Blvd

Test Personnel: Kevin Nguyendo
Equipment: Spark 706RC (SN:18906)

Site Number: LT-2 Date: 7/27/2022

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Located along the southern edge of the project site on a powerline near Prospect Park.

Primary Noise Sources: Regular traffic noise on Irvine Boulevard.

Comments: Plaza is not operational. Some people chatting and parked near monitor When picking up monitor.

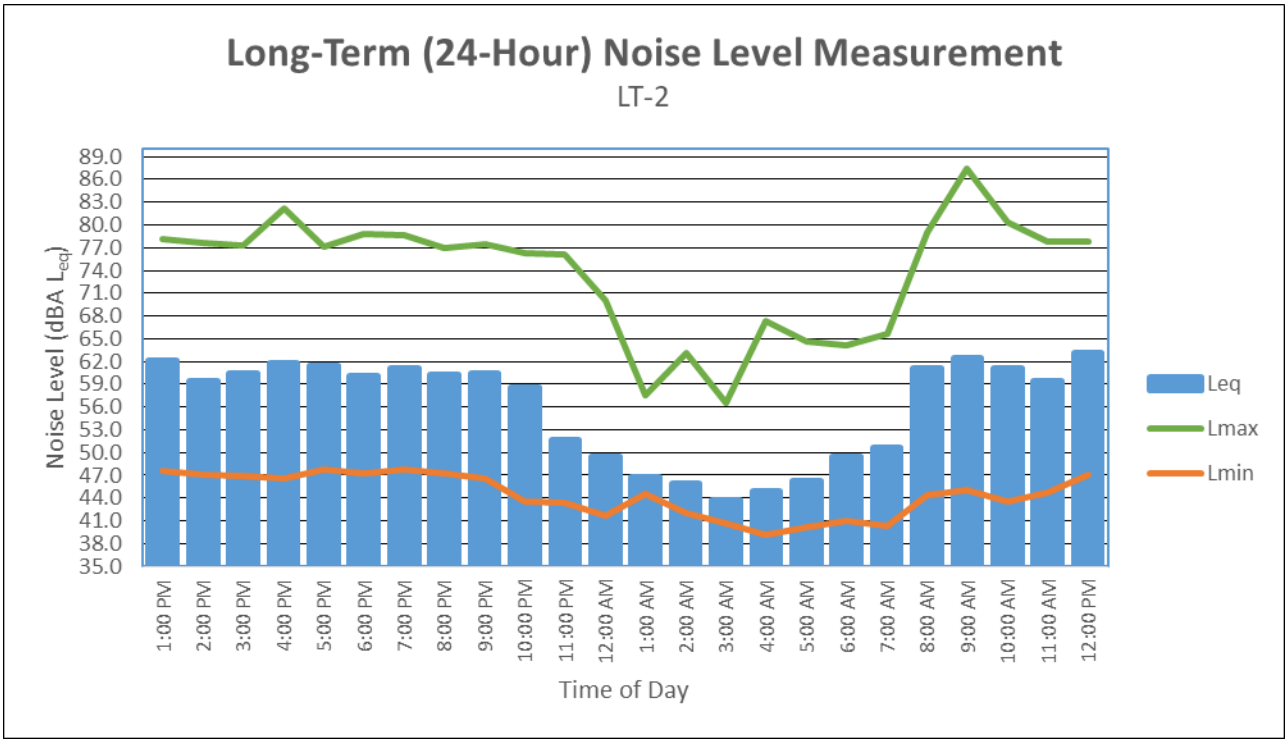
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
1:00 PM	7/25/22	62.0	78.2	47.6
2:00 PM	7/25/22	59.3	77.6	47.0
3:00 PM	7/25/22	60.4	77.3	46.9
4:00 PM	7/25/22	61.8	82.2	46.5
5:00 PM	7/25/22	61.5	77.2	47.7
6:00 PM	7/25/22	60.0	78.8	47.3
7:00 PM	7/25/22	61.1	78.7	47.7
8:00 PM	7/25/22	60.2	76.9	47.3
9:00 PM	7/25/22	60.4	77.5	46.6
10:00 PM	7/25/22	58.5	76.2	43.6
11:00 PM	7/25/22	51.7	76.1	43.3
12:00 AM	7/26/22	49.4	70.0	41.6
1:00 AM	7/26/22	46.7	57.6	44.6
2:00 AM	7/26/22	45.8	63.1	42.0
3:00 AM	7/26/22	43.6	56.6	40.6
4:00 AM	7/26/22	44.8	67.4	39.1
5:00 AM	7/26/22	46.2	64.7	40.2
6:00 AM	7/26/22	49.5	64.1	41.0
7:00 AM	7/26/22	50.6	65.7	40.4
8:00 AM	7/26/22	61.0	79.0	44.3
9:00 AM	7/26/22	62.4	87.4	45.0
10:00 AM	7/26/22	61.0	80.3	43.5
11:00 AM	7/26/22	59.3	77.8	44.7
12:00 PM	7/26/22	63.1	77.8	47.0

Source: Compiled by LSA Associates, Inc. (2022).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-2
Noise Level (dBA Leq)
89.0
86.0
83.0
80.0
77.0
74.0
71.0
68.0
65.0
62.0
59.0
56.0
53.0
50.0
47.0
44.0
41.0
38.0
35.0
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
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3:00 AM
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11:00 AM
12:00 PM
Time of Day
Leq
Lmax
Lmin

APPENDIX B

CONSTRUCTION NOISE CALCULATIONS

Construction Calculations

Phase: Demolition

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Concrete Saw	1	90	20	50	0.5	90	83
Excavator	3	81	40	50	0.5	81	82
Tractor	3	84	40	50	0.5	84	85
Dozer	1	82	40	50	0.5	82	78
					Combined at 50 feet	**92**	**89**
					Combined at Receptor 135 feet	**83**	**80**
					Combined at Receptor 285 feet	**77**	**73**
					Combined at Receptor 670 feet	**69**	**66**

Phase: Site Preparation

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Tractor	1	84	40	50	0.5	84	80
Grader	1	85	40	50	0.5	85	81
Scraper	1	84	40	50	0.5	84	80
Dozer	3	82	40	50	0.5	82	83
					Combined at 50 feet	**90**	**87**
					Combined at Receptor 135 feet	**81**	**79**
					Combined at Receptor 285 feet	**75**	**72**
					Combined at Receptor 670 feet	**67**	**65**

Phase: Grading

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Excavator	2	81	40	50	0.5	81	80
Grader	1	85	40	50	0.5	85	81
Scraper	2	84	40	50	0.5	84	83
Dozer	1	82	40	50	0.5	82	78
Tractor	2	84	40	50	0.5	84	83
					Combined at 50 feet	**90**	**88**
					Combined at Receptor 135 feet	**82**	**80**
					Combined at Receptor 285 feet	**75**	**73**
					Combined at Receptor 670 feet	**68**	**66**

Phase:Building Construstion

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Crane	1	81	16	50	0.5	81	73
Man Lift	2	75	20	50	0.5	75	71
Tractor	1	84	40	50	0.5	84	80
Welder / Torch	3	74	40	50	0.5	74	75
Generator	1	81	50	50	0.5	81	78
					Combined at 50 feet	**87**	**84**
					Combined at Receptor 135 feet	**79**	**75**
					Combined at Receptor 285 feet	**72**	**68**
					Combined at Receptor 670 feet	**65**	**61**

Phase:Paving

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Paver	1	77	50	50	0.5	77	74
All Other Equipment > 5 HP	1	85	50	50	0.5	85	82
Tractor	1	84	40	50	0.5	84	80
Drum Mixer	1	80	50	50	0.5	80	77
Roller	2	80	20	50	0.5	80	76
					Combined at 50 feet	**89**	**86**
					Combined at Receptor 135 feet	**80**	**77**
					Combined at Receptor 285 feet	**74**	**71**
					Combined at Receptor 670 feet	**67**	**63**

Phase:Architectural Coating

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Compressor (air)	1	78	40	50	0.5	78	74
					Combined at 50 feet	**78**	**74**
					Combined at Receptor 135 feet	**69**	**65**
					Combined at Receptor 285 feet	**63**	**59**
					Combined at Receptor 670 feet	**55**	**51**

Sources: RCNM

[1]- Percentage of time that a piece of equipment is operating at full power.
dBA – A-weighted Decibels
Lmax- Maximum Level
Leq- Equivalent Level

Appendix J: VMT Analysis

Environment | Planning | Development Solutions, Inc.

To:	Danielle Thayer
From:	Alex J Garber, Associate Transportation Planner
Date:	7/21/2022
Site:	17802 Irvine Boulevard, Tustin Residential Development
Subject:	Vehicle Miles Traveled (VMT) Screening Analysis

This technical memorandum provides an evaluation of the proposed industrial project located at 17802 Irvine Boulevard in the City of Tustin. The purpose of this analysis is to determine whether a Vehicle Miles Traveled (VMT) Analysis would be required for the project. The existing 2.071-acre site is currently developed with a 47,583 square foot business park. The project proposes to demolish the existing buildings and to construct 40 residences that would include eighteen (18) duplexes (36 units total) and four (4) single-family residences. The project site plan is shown in Figure 1.

Project Trip Generation

The project trip generation was prepared using trip rates from the Institute of Transportation Engineers (ITE) *Trip Generation*, 11th Edition (2021). The existing land use was analyzed using Business Park (ITE Land Use Code 770) and the proposed use was analyzed using Single-Family Detached Housing (ITE Land Use Code 210) and Single-Family Attached Housing (ITE Land Use Code 215). Table 1 presents the trip generation estimate for the proposed project.

As shown in Table 1, the project is forecast to generate 297 daily trips including 20 AM peak hour trips and 24 PM peak hour trips. The existing use is estimated to generate 592 daily trips, including 64 AM peak hour trips and 58 PM peak hour trips. Therefore, the projects would generate 295 fewer daily trips than the existing land use: 44 fewer AM peak hour trips, and 34 fewer PM peak hour trips.

Vehicle Miles Traveled

Senate Bill (SB) 743 was signed by Governor Brown in 2013 and required the Governor's Office of Planning and Research (OPR) to amend the CEQA Guidelines to provide an alternative to LOS for evaluating Transportation impacts, aiming to promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks and a diversity of land uses. In response, Section 15064.3 - Determining the Significance of Transportation Impacts, was added to the CEQA Guidelines which states that VMT is the most appropriate measure of transportation impacts and shall apply statewide beginning on July 1, 2020.

The City of Tustin has yet to adopt criteria for evaluating VMT impacts under CEQA, therefore, the Governor's Office of Planning and Research (OPR's) Technical Advisory on Evaluating Transportation Impacts In CEQA, December 2018, which provides guidelines for analysis of transportation impacts under CEQA, was used. The OPR guidelines state that small projects with less than 110 average net daily trips are generally exempt from having to analyze VMT. The project would generate 295 fewer daily trips than the existing land use. For this reason, the project would have a less than significant impact on VMT.

If you have any questions about this analysis, please contact me at (717) 756-1997 or alex@epdsolutions.com.

Figure 1: Project Site Plan



Table 1: Project Trip Generation

				AM Peak Hour			PM Peak Hour		
Land Use		**Units**	**Daily**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
Trip Rates									
Business Park[1]		TSF	12.44	1.15	0.20	1.35	0.32	0.90	1.22
Single-Familiy Detached Housing[2]		DU	9.43	0.18	0.52	0.70	0.59	0.35	0.94
Single-Familiy Attached Housing[3]		DU	7.20	0.15	0.33	0.48	0.32	0.25	0.57
Existing Trip Generation									
Existing Business Park	47.583	TSF	592	55	10	64	15	43	58
Project Trip Generation									
Single Family Detached Units	4	DU	38	1	2	3	2	1	4
Single Family Attached Units	36	DU	259	5	12	17	12	9	21
Total Project Trip Generation			297	6	14	20	14	10	24
Net Trip Generation			-295	-49	4	-44	-1	-33	-34

TSF = Thousand Square Feet

DU = Dwelling Unit

[1] Trip rates from the Institute of Transportation Engineers, *Trip Generation, 11th Edition, 2021*, Land Use Code 770-Business Park. All Sites.

[2] Trip rates from the Institute of Transportation Engineers, *Trip Generation, 11th Edition, 2021*, Land Use Code 210-Single-Family Detached Housing. All Sites.

[3] Trip rates from the Institute of Transportation Engineers, *Trip Generation, 11th Edition, 2021*, Land Use Code 215-Single-Family Attached Housing. All Sites.

Appendix K: Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program

Introduction

The California Environmental Quality Act (CEQA) requires a lead or public agency that approves or carries out a project for which an Mitigated Negative Declaration has been certified which identifies one or more significant adverse environmental effects and where findings with respect to changes or alterations in the project have been made, to adopt a "…reporting or monitoring program for the changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment" (CEQA, Public Resources Code Sections 21081, 21081.6).

A Mitigation Monitoring and Reporting Program (MMRP) is required to ensure that adopted mitigation measures are successfully implemented for the project. The City of Tustin is the Lead Agency for the project and is responsible for implementation of the MMRP. This report describes the MMRP for the Project and identifies the parties that will be responsible for monitoring implementation of the individual mitigation measures in the MMRP.

Mitigation Monitoring and Reporting Program

The MMRP for the Project will be active through all phases of the Project, including design, construction, and operation. The attached table identifies the mitigation program required to be implemented by the City for the Project. The table identifies mitigation measures required by the City to mitigate or avoid significant impacts associated with the implementation of the Project, the timing of implementation, and the responsible party or parties for monitoring compliance.

The MMRP also includes a column that will be used by the compliance monitor (individual responsible for monitoring compliance) to document when implementation of the measure is completed. As individual Plan, Program, Policies; and mitigation measures are completed, the compliance monitor will sign and date the MMRP, indicating that the required actions have been completed.

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TABLE 1: MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
BIOLOGICAL RESOURCES			
Mitigation Measure BIO-1: Migratory Bird Treaty Act. Prior to commencement of grading activities, the City Building Division shall verify that, in the event that vegetation and tree removal activities occur within the active breeding season for birds (February 1–September 15), the Project applicant (or their Construction Contractor) shall retain a qualified biologist (meaning a professional biologist that is familiar with local birds and their nesting behaviors) to conduct a nesting bird survey no more than 3 days prior to commencement of construction activities. The nesting survey shall include the Project site and areas immediately adjacent to the site that could potentially be affected by Project-related construction activities, such as noise, human activity, and dust, etc. If active nesting of birds is observed within 100 feet of the designated construction area prior to construction, the qualified biologist shall establish an appropriate buffer around the active nests (e.g., as much as 500 feet for raptors and 300 feet for non-raptors [subject to the recommendations of the qualified biologist]), and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.	In the event that vegetation and tree removal activities occur within the active breeding season for birds (February 1–September 15), the Project applicant shall retain a qualified biologist to conduct a nesting bird survey 3-days prior to commencement of construction activities. Prior to grading permit.	City of Tustin Planning Division	
CULTURAL RESOURCES			
Mitigation Measure CUL-1: Inadvertent Discovery. In the event that potential archaeological resources are discovered during excavation, grading, or construction activities, work shall cease within 50 feet of the find until a qualified archaeologist from the City or County List of Qualified Archaeologists has evaluated the find to determine whether the find constitutes a "unique archaeological resource," as defined in Section 21083.2(g) of the California Public Resources Code. Any resources identified shall be treated in accordance with California Public Resources Code Section 21083.2(g). If the discovered	Confirmation of professional archaeologist retention/ongoing/monitoring/submittal of Report of Findings; halt all work within a 50-foot buffer of an inadvertent discovery;	City of Tustin Planning Division	

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
resource(s) appears Native American in origin, a Native American Monitor shall be contacted to evaluate any potential tribal cultural resource(s) and shall have the opportunity to consult on appropriate treatment and curation of these resources. The discovery would also be reported to the City and the South Central Coastal Information Center (SCCIC). Prior to the issuance of any permits for ground-disturbing activities that include the excavation of soils (including as grading, excavation, and trenching), the City of Tustin shall ensure that all Project grading and construction plans and specifications include requirement to halt construction activity and contact an archaeologist as specified above.	ensure plans state requirements. Prior to demolition and grading permits and during subsurface excavation.		
GEOLOGY			
Mitigation Measure PAL-1: Paleontological Resources. Prior to issuance of a grading permit, the City of Tustin Building Division shall verify that all Project grading and construction plans and specifications state that in the event that potential paleontological resources are discovered during earth disturbance activities, the discovery shall be cordoned off with a 100-foot radius buffer so as to protect the discovery from further potential damage until a qualified paleontologist (i.e., a practicing paleontologist that is recognized in the paleontological community and is proficient in vertebrate paleontology) from the City or County List of Qualified Paleontologists has evaluated the find in accordance with federal and state regulations. Construction personnel shall not collect or move any paleontological materials and associated materials. If the discovery is determined to be significant by the paleontologist, a Paleontological Resources Impact Mitigation Plan (PRIMP) shall be implemented, which will include notification of appropriate personnel involved and monitoring of earth disturbance activities:	Verify that all Project grading and construction plans and specifications state that in the event that potential paleontological resources are discovered during earth disturbance activities, the discovery shall be cordoned off with a 100-foot radius buffer until a qualified paleontologist from the City or County List of Qualified Paleontologists has evaluated the find. Prior to grading permit.	Qualified Paleontologist/City of Tustin Planning Division	

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
1. Monitoring of mass grading and excavation activities in areas identified as likely to contain paleontological resources shall be performed by a qualified paleontologist or paleontological monitor. Monitoring will be conducted full-time in areas of grading or excavation in undisturbed sedimentary deposits. 2. Paleontological monitors will be equipped to salvage fossils as they are unearthed to avoid construction delays. The monitor must be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens in a timely manner. Monitoring may be reduced if the potentially fossiliferous units are not present in the subsurface, or, if present, are determined on exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources. The monitor shall notify the project paleontologist, who will then notify the concerned parties of the discovery. 3. Paleontological salvage during trenching and boring activities is typically from the generated spoils and does not delay the trenching or drilling activities. Fossils are collected and placed in cardboard flats or plastic buckets and identified by field number, collector, and date collected. Notes are taken on the map location and stratigraphy of the site, which is photographed before it is vacated, and the fossils are removed to a safe place. On mass grading projects, discovered fossil sites are protected by flagging to prevent them from being overrun by earthmovers (scrapers) before salvage begins. Fossils are collected in a similar manner, with notes and photographs being taken before removing the fossils. Precise location of the site is determined with the use of handheld GPS units. If the site involves remains from a large terrestrial vertebrate, such as large bone(s) or a mammoth tusk, that is/are too large to be easily removed by a single monitor, a fossil recovery crew shall excavate around the find, encase the find within a plaster and burlap jacket, and remove it after the plaster is set. For large fossils, use of the contractor's construction equipment may be solicited to help remove the jacket to a safe location.			

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
4. Isolated fossils are collected by hand, wrapped in paper, and placed in temporary collecting flats or five-gallon buckets. Notes are taken on the map location and stratigraphy of the site, which is photographed before it is vacated, and the fossils are removed to a safe place. 5. Particularly small invertebrate fossils typically represent multiple specimens of a limited number of organisms, and a scientifically suitable sample can be obtained from one to several five-gallon buckets of fossiliferous sediment. If it is possible to dry screen the sediment in the field, a concentrated sample may consist of one or two buckets of material. For vertebrate fossils, the test is usually the observed presence of small pieces of bones within the sediments. If present, as many as 20 to 40 five gallon buckets of sediment can be collected and returned to a separate facility to wet screen the sediment. 6. In accordance with the "Microfossil Salvage" section of the Society of Vertebrate Paleontology guidelines (2010:7), bulk sampling and screening of fine-grained sedimentary deposits (including carbonate-rich paleosols) must be performed if the deposits are identified to possess indications of producing fossil "microvertebrates" to Paleontological Assessment for the 17802 Irvine Boulevard Project test the feasibility of the deposit to yield fossil bones and teeth. 7. In the laboratory, individual fossils are cleaned of extraneous matrix, any breaks are repaired, and the specimen, if needed, is stabilized by soaking in an archivally approved acrylic hardener (e.g., a solution of acetone and Paraloid B-72). 8. Recovered specimens are prepared to a point of identification and permanent preservation (not display), including screen-washing sediments to recover small invertebrates and vertebrates. Preparation of individual vertebrate fossils is often more time-consuming than for accumulations of invertebrate fossils. 9. Identification and curation of specimens into a professional, accredited public museum repository with a commitment to archival conservation and permanent retrievable storage (e.g., the former Cooper Center facility of OC Parks) shall be conducted. The			

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
paleontological program should include a written repository agreement prior to the initiation of mitigation activities. Prior to curation, the lead agency (e.g., the City of Tustin) will be consulted on the repository/museum to receive the fossil material. 10. A final report of findings and significance will be prepared, including lists of all fossils recovered and necessary maps and graphics to accurately record their original location(s). The report, when submitted to, and accepted by, the appropriate lead agency, will signify satisfactory completion of the project program to mitigate impacts to any potential nonrenewable paleontological resources (i.e., fossils) that might have been lost or otherwise adversely affected without such a program in place.			
TRIBAL			
Mitigation Measure TCR-1 Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities. A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity. C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe	Retain tribal monitor and execute monitoring agreement. Prior to grading permit.	City of Tustin Planning Division	

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe. D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs. E. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.			
Mitigation Measure TCR-2 Unanticipated Discovery of Human Remains and Associated Funerary Objects A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute. B. If Native American human remains and/or grave goods discovered or recognized on the project site, then all construction activities shall immediately cease. Health and Safety Code Section 7050.5 dictates that any discoveries of human skeletal material shall be immediately reported to the County Coroner	In the event Native American human remains are found, halt all construction activity immediately. Contact the County Coroner, and NAHC within 24 hours if remains are recognized to be Native American. Construction.	County Coroner/Tribal Monitor/City of Tustin Planning Division	

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
and all ground-disturbing activities shall immediately halt and shall remain halted until the coroner has determined the nature of the remains. If the coroner recognizes the human remains to be those of a Native American or has reason to believe they are Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission, and Public Resources Code Section 5097.98 shall be followed. C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). D. Construction activities may resume in other parts of the project site at a minimum of 200 feet away from discovered human remains and/or burial goods, if the Kizh determines in its sole discretion that resuming construction activities at that distance is acceptable and provides the project manager express consent of that determination (along with any other mitigation measures the Kizh monitor and/or archaeologist deems necessary). (CEQA Guidelines Section 15064.5(f).) E. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. Any historic archaeological material that is not Native American in origin (non-TCR) shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes. F. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.			
Mitigation Measure TCR-3 Procedures for Burials and Funerary Remains A. As the Most Likely Descendant ("MLD"), the Koo-nas-gna Burial Policy shall be implemented. To the Tribe, the term "human remains" encompasses more than human bones. In ancient as well as historic times, Tribal Traditions included, but were not limited to, the preparation of the soil for burial, the burial of funerary objects with the deceased, and the ceremonial burning of human remains.	Follow proper protocol for preservation or treatment if Native American human remains or funerary objects are found. Construction.	City of Tustin Planning Division	

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
B. If the discovery of human remains includes four or more burials, the discovery location shall be treated as a cemetery and a separate treatment plan shall be created. C. The prepared soil and cremation soils are to be treated in the same manner as bone fragments that remain intact. Associated funerary objects are objects that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later; other items made exclusively for burial purposes or to contain human remains can also be considered as associated funerary objects. Cremations will either be removed in bulk or by means as necessary to ensure complete recovery of all sacred materials. D. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains will be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard should be posted outside of working hours. The Tribe will make every effort to recommend diverting the project and keeping the remains in situ and protected. If the project cannot be diverted, it may be determined that burials will be removed. E. In the event preservation in place is not possible despite good faith efforts by the project applicant/developer and/or landowner, before ground-disturbing activities may resume on the project site, the landowner shall arrange a designated site location within the footprint of the project for the respectful reburial of the human remains and/or ceremonial objects. F. Each occurrence of human remains and associated funerary objects will be stored using opaque cloth bags. All human remains, funerary objects, sacred objects and objects of cultural patrimony will be removed to a secure container on site if possible. These items should be retained and reburied within six months of recovery. The site of reburial/repatriation shall be on the project site but at a location agreed upon between the Tribe and the landowner at a site to be protected in perpetuity. There shall be no publicity regarding any cultural materials recovered. G. The Tribe will work closely with the project's qualified archaeologist to ensure that the excavation is treated carefully, ethically and respectfully. If			

Mitigation Measure	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
data recovery is approved by the Tribe, documentation shall be prepared and shall include (at a minimum) detailed descriptive notes and sketches. All data recovery data recovery-related forms of documentation shall be approved in advance by the Tribe. If any data recovery is performed, once complete, a final report shall be submitted to the Tribe and the NAHC. The Tribe does NOT authorize any scientific study or the utilization of any invasive and/or destructive diagnostics on human remains.			

PPP	Action and Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
AESTHETICS			
PPP AES-1: Lighting. Prior to issuance of building permits, the applicant shall submit a photometric lighting plan to the Building Division showing compliance with Municipal Code Section 8102, which requires a minimum of one-foot candle of light on the private drives and parking surfaces and a minimum of one-quarter foot-candle of light on the walking surfaces. The photometric plan must also show no light spillage pursuant to Municipal Code Section 9271(hh).	Submit a photometric lighting plan. Prior to building permit.	City of Tustin Planning Division	
AIR QUALITY			
PPP AQ-1: Rule 402. Project construction plans and specifications shall state that the Project is required to comply with the provisions of South Coast Air Quality Management District (SCAQMD) Rule 402. The Project shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.	Compliance with Rule 402. Construction.	City of Tustin Planning Division	
PPP AQ-2: Rule 403. The construction plans and specifications shall state that the Project is required to comply with the provisions of South Coast Air Quality Management District (SCAQMD) Rule 403, which includes the following: • All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions. • The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the project are watered, with complete coverage of disturbed areas, at least 3 times daily during dry	Compliance with Rule 403. Construction.	City of Tustin Planning Division	

weather; preferably in the mid-morning, afternoon, and after work is done for the day. • The contractor shall ensure that traffic speeds on unpaved roads and project site areas are reduced to 15 miles per hour or less.			
PPP AQ-3: Rule 1113. The construction plans and specifications shall state that the Project is required to comply with the provisions of South Coast Air Quality Management District Rule (SCAQMD) Rule 1113. Only "Low-Volatile Organic Compounds" paints (no more than 50 gram/liter of VOC) and/or High Pressure Low Volume (HPLV) applications shall be used.	Compliance with Rule 1113. Construction.	City of Tustin Planning Division	
BIOLOGICAL RESOURCES			
PPP Bio-1: Street Trees. Installation of street trees shall occur in compliance with the City of Tustin Municipal Code Article 7, Chapter 3, Section 7308.	Ensure installation of street trees is compliance with Municipal Code Article 7, Chapter 3, Section 7308. Prior to grading permit.	City of Tustin Planning Division	
CULTURAL RESOURCES			
PPP CUL-1: Human Remains. In the event that human remains are encountered on the Project site, work within 50 ft of the discovery shall cease and the County Coroner shall be notified immediately consistent with the requirements of California Code of Regulations (CCR) SecIn 15064.5(e). State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98. Prior to the issuance of grading permits, the City Community and Planning, Building, and Code Enforcement Department Director, or designee, shall verify that all grading plans specify the requirements of CCR Section 15064.5(e), State Health and Safety Code Section 7050.5, and PRC Section 5097.98, as stated above.	Stop disturbance activities within 50-foot buffer area of identified human or funerary remains; immediately contact County Coroner; verify all grading plans specify requirements. Win the event of an inadvertent discovery of identified human or funerary remains.	City of Tustin Planning Division	

ENERGY			
PPP E-1. CALGreen Compliance: The Project is required to comply with the CALGreen Building Standards Code as included in the City's Municipal Code Section 8100 to ensure efficient use of energy. CALGreen specifications are required to be incorporated into building plans as a condition of building permit approval.	Compliance with CALGreen. Prior to building permit.	City of Tustin Planning Division	
PPP E-2: Idling Regulations. The Project is required to comply with California Air Resources Board (CARB) Rule 2485 (13 CCR, Chapter 10 Section 2485), Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling.	Compliance with CARB Rule 2485. Construction.	City of Tustin Planning Division	
GEOLOGY			
PPP GEO-1: California Building Code. The project is required to comply with the California Building Code as included in the City's Municipal Code Article 8, Chapter 1, Section 8100 to preclude significant adverse effects associated with seismic hazards. California Building Code related and geologist and/or civil engineer specifications for the project are required to be incorporated into grading plans and specifications as a condition of project approval.	Compliance with the California Building Code. Prior to building permit.	City of Tustin Planning Division	
HAZARDOUS			
PPP HAZ-1: SCAQMD Rule 1403, Asbestos. Prior to issuance of demolition permits, the Project applicant shall submit verification to the City Building Division that an asbestos survey has been conducted at all existing buildings located on the Project site. If asbestos is found, the Project applicant shall follow all procedural requirements and regulations of South Coast Air Quality Management District Rule 1403. Rule 1403 regulations require that the	Compliance with SCAQMD Rule 1403. Prior to demolition permit.	City of Tustin Planning Division	

following actions be taken: notification of SCAQMD prior to construction activity, asbestos removal in accordance with prescribed procedures, placement of collected asbestos in leak-tight containers or wrapping, and proper disposal.			
PPP HAZ-2: Lead Based Paint. Prior to issuance of demolition permits, the Project applicant shall submit verification to the City Building Division that a lead-based paint survey has been conducted at all existing buildings located on the Project site. If lead-based paint is found, the Project applicant shall follow all procedural requirements and regulations for proper removal and disposal of the lead-based paint. Cal-OSHA has established limits of exposure to lead contained in dusts and fumes. Specifically, CCR Title 8, Section 1532.1 provides for exposure limits, exposure monitoring, and respiratory protection, and mandates good working practices by workers exposed to lead.	Verify lead-based paint survey has been conducted. Prior to demolition permit.	City of Tustin Planning Division	
WATER QUALITY			
PPP WQ-1: NPDES/SWPPP. Prior to issuance of any grading or demolition permits, the applicant shall provide the City Building Division evidence of compliance with the NPDES (National Pollutant Discharge Elimination System) requirement to obtain a construction permit from the State Water Resource Control Board (SWRCB). The permit requirement applies to grading and construction sites of one acre or larger. The Project applicant/proponent shall comply by submitting a Notice of Intent (NOI) and by developing and implementing a Stormwater Pollution Prevention Plan (SWPPP) and a monitoring program and reporting plan for the construction site.	Review and approval of SWPPP. Prior to grading permit.	City of Tustin Planning Division	
PPP WQ-2: WQMP. Prior to the approval of the Grading Plan and issuance of Grading Permits a completed Water Quality Management Plan (WQMP) shall be prepared by the Project applicant and submitted to and approved by the City Building Division. The WQMP shall identify all Post-Construction, Site Design. Source Control, and Treatment Control Best Management Practices	Review and approval of WQMP. Prior to grading permit.	City of Tustin Planning Division	

(BMPs) that will be incorporated into the development Project in order to minimize the adverse effects on receiving waters.			
NOISE			
PPP N-1: City of Tustin Municipal Code Section 4616, Specific Disturbing Noises Prohibited (2) Construction, repairing, remodeling or demolition and grading. The erection, demolition, alteration, repair, excavation, grading, paving or construction of any building or site is prohibited between the hours of 6:00 p.m. and 7:00 a.m., Monday through Friday and 5:00 p.m. and 9:00 a.m. on Saturdays and during all hours Sundays and city observed federal holidays. Trucks, vehicles and equipment that are making or are involved with material deliveries, loading or transfer of materials, equipment service, maintenance of any devices or appurtenances to any construction project in the City shall not be operated on or adjacent to said sites outside of the approved hours for construction activity.	Compliance with City Municipal Code 4616. Construction.	City of Tustin Planning Division	
PUBLIC SERVICES			
PPP PS-1: Schools Development Impact Fees. Prior to issuance of building permit, the Project shall pay applicable development fees levied by the Tustin Unified School District pursuant to the School Facilities Act (Senate Bill [SB] 50, Stats. 1998, c.407).	Pay school impact fees. Prior to building permit.	City of Tustin Planning Division	
PPP PS-2: Park Fees. As a condition of the approval of a tentative map, the Project shall pay applicable park related fees pursuant to Municipal Code 9331.	Pay park impact fees. Prior to building permit.	City of Tustin Planning Division	
UTILITIES			

PPP UT-1: Solid Waste. As required by Section 5.408.1 of the 2019 California Green Building Standards Code, and AB 341 the Project shall implement a Waste Management Plan to ensure that the construction and operational diversion requirements would be met.	Compliance with Section 5.408.1 of the 2019 California Green Building Standards Code. Construction and operation.	City of Tustin Planning Division	
PPP UT-2: Organic Waste Disposal. As required by SB 1383, organic waste, including yard trimmings and food waste, will be diverted from landfills through City organic waste recycling services.	Compliance with Section SB 1383. Operation.	City of Tustin Planning Division	