APPENDIX A

AIR QUALITY MODELING RESULTS

Self-Storage Facility on Corporate Way Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.3. Grading (2026) - Unmitigated

3.5. Building Construction (2026) - Unmitigated

3.7. Building Construction (2027) - Unmitigated

3.9. Paving (2026) - Unmitigated

3.11. Architectural Coating (2026) - Unmitigated

3.13. Architectural Coating (2027) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Self-Storage Facility on Corporate Way
Construction Start Date	1/1/2026
Operational Year	2027
Lead Agency	Sacramento
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	6.00
Location	38.49205043005682, -121.51736360771235
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	728
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	151	1000sqft	2.04	150,634	27,900	—	—	—

Single Family Housing	1.00	Dwelling Unit	0.00	1,041	0.00	—	3.00	—
Parking Lot	5.00	Space	0.23	0.00	0.00	—	—	—
General Office Building	0.95	1000sqft	0.00	950	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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.82	6.48	12.4	17.7	0.03	0.39	0.96	1.36	0.36	0.23	0.60	—	3,895	3,895	0.15	0.15	4.75	3,950
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.77	6.45	18.1	16.5	0.04	0.63	7.93	8.56	0.58	3.65	4.23	—	5,320	5,320	0.36	0.47	0.16	5,469
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.82	3.60	8.73	11.1	0.02	0.29	1.07	1.35	0.27	0.34	0.61	—	2,639	2,639	0.12	0.12	1.31	2,678
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.70	0.66	1.59	2.02	< 0.005	0.05	0.19	0.25	0.05	0.06	0.11	—	437	437	0.02	0.02	0.22	443

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	6.82	6.48	12.4	17.7	0.03	0.39	0.96	1.36	0.36	0.23	0.60	—	3,895	3,895	0.15	0.15	4.75	3,950
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	6.77	6.45	18.1	16.5	0.04	0.63	7.93	8.56	0.58	3.65	4.23	—	5,320	5,320	0.36	0.47	0.16	5,469
2027	6.69	6.36	12.0	16.3	0.03	0.35	0.96	1.32	0.32	0.23	0.56	—	3,770	3,770	0.15	0.15	0.11	3,819
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.82	3.60	8.73	11.1	0.02	0.29	1.07	1.35	0.27	0.34	0.61	—	2,639	2,639	0.12	0.12	1.31	2,678
2027	0.49	0.47	0.66	0.91	< 0.005	0.02	0.05	0.07	0.02	0.01	0.03	—	207	207	0.01	0.01	0.10	210
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.70	0.66	1.59	2.02	< 0.005	0.05	0.19	0.25	0.05	0.06	0.11	—	437	437	0.02	0.02	0.22	443
2027	0.09	0.09	0.12	0.17	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	34.3	34.3	< 0.005	< 0.005	0.02	34.8

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.10	5.88	1.35	18.5	0.03	0.04	2.30	2.34	0.04	0.58	0.62	152	3,972	4,124	8.14	0.28	8.66	4,420
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.80	4.67	1.50	9.91	0.03	0.03	2.30	2.33	0.03	0.58	0.61	152	3,708	3,860	8.16	0.29	0.23	4,151
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	5.60	5.41	1.44	14.3	0.03	0.04	2.27	2.31	0.04	0.58	0.61	152	3,754	3,906	8.15	0.28	3.71	4,198
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.02	0.99	0.26	2.61	< 0.005	0.01	0.41	0.42	0.01	0.11	0.11	25.2	621	647	1.35	0.05	0.61	695

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.34	1.23	1.14	11.8	0.03	0.02	2.30	2.32	0.02	0.58	0.60	—	2,734	2,734	0.11	0.11	8.65	2,778
Area	4.74	4.65	0.06	6.65	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	27.3	27.3	< 0.005	< 0.005	—	27.4
Energy	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,141	1,141	0.06	0.01	—	1,144
Water	—	—	—	—	—	—	—	—	—	—	—	74.9	69.8	145	0.26	0.16	—	200
Waste	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	7.71	0.00	—	270
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	6.10	5.88	1.35	18.5	0.03	0.04	2.30	2.34	0.04	0.58	0.62	152	3,972	4,124	8.14	0.28	8.66	4,420
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.23	1.11	1.34	9.79	0.02	0.02	2.30	2.32	0.02	0.58	0.60	—	2,498	2,498	0.12	0.12	0.22	2,536
Area	3.56	3.56	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,141	1,141	0.06	0.01	—	1,144
Water	—	—	—	—	—	—	—	—	—	—	—	74.9	69.8	145	0.26	0.16	—	200
Waste	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	7.71	0.00	—	270
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	4.80	4.67	1.50	9.91	0.03	0.03	2.30	2.33	0.03	0.58	0.61	152	3,708	3,860	8.16	0.29	0.23	4,151
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.21	1.10	1.25	9.63	0.02	0.02	2.27	2.29	0.02	0.58	0.59	—	2,524	2,524	0.11	0.11	3.70	2,564
Area	4.37	4.30	0.04	4.55	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	18.7	18.7	< 0.005	< 0.005	—	18.7
Energy	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,141	1,141	0.06	0.01	—	1,144
Water	—	—	—	—	—	—	—	—	—	—	—	74.9	69.8	145	0.26	0.16	—	200
Waste	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	7.71	0.00	—	270
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	5.60	5.41	1.44	14.3	0.03	0.04	2.27	2.31	0.04	0.58	0.61	152	3,754	3,906	8.15	0.28	3.71	4,198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.22	0.20	0.23	1.76	< 0.005	< 0.005	0.41	0.42	< 0.005	0.11	0.11	—	418	418	0.02	0.02	0.61	425
Area	0.80	0.79	0.01	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.09	3.09	< 0.005	< 0.005	—	3.10
Energy	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	189	189	0.01	< 0.005	—	189
Water	—	—	—	—	—	—	—	—	—	—	—	12.4	11.6	23.9	0.04	0.03	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	12.8	0.00	12.8	1.28	0.00	—	44.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	1.02	0.99	0.26	2.61	< 0.005	0.01	0.41	0.42	0.01	0.11	0.11	25.2	621	647	1.35	0.05	0.61	695

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	1.34	1.13	9.84	10.8	0.03	0.42	—	0.42	0.39	—	0.39	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	1.59	1.59	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	149	149	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.6	24.6	< 0.005	< 0.005	—	24.7
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	74.1	74.1	< 0.005	< 0.005	0.01	75.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.85	0.32	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	453	453	0.04	0.07	0.02	476
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.17	4.17	< 0.005	< 0.005	0.01	4.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.8	24.8	< 0.005	< 0.005	0.02	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.32

3.3. Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463

Dust From Material Movement	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.70	0.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.3	22.3	< 0.005	< 0.005	—	22.3
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.41	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.8	98.8	< 0.005	< 0.005	0.01	100

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.33	0.07	5.20	1.93	0.02	0.05	0.72	0.78	0.05	0.19	0.24	—	2,766	2,766	0.25	0.45	0.15	2,906
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.56	5.56	< 0.005	< 0.005	0.01	5.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.11	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	152	152	0.01	0.02	0.13	159
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.92	0.92	< 0.005	< 0.005	< 0.005	0.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.1	25.1	< 0.005	< 0.005	0.02	26.4

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.18	10.1	11.8	0.02	0.36	—	0.36	0.33	—	0.33	—	2,201	2,201	0.09	0.02	—	2,208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.18	10.1	11.8	0.02	0.36	—	0.36	0.33	—	0.33	—	2,201	2,201	0.09	0.02	—	2,208

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.65	5.56	6.47	0.01	0.20	—	0.20	0.18	—	0.18	—	1,210	1,210	0.05	0.01	—	1,214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.01	1.18	< 0.005	0.04	—	0.04	0.03	—	0.03	—	200	200	0.01	< 0.005	—	201
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	0.16	3.60	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	712	712	0.01	0.02	2.54	722
Vendor	0.07	0.03	1.22	0.47	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	707	707	0.05	0.11	1.70	742
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.21	2.65	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	632	632	0.01	0.03	0.07	640
Vendor	0.07	0.02	1.31	0.48	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	707	707	0.05	0.11	0.04	740
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.10	1.49	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	357	357	0.01	0.01	0.60	362
Vendor	0.04	0.01	0.71	0.26	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	389	389	0.03	0.06	0.40	407

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	59.0	59.0	< 0.005	< 0.005	0.10	59.9
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.4	64.4	< 0.005	0.01	0.07	67.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	9.70	11.7	0.02	0.32	—	0.32	0.30	—	0.30	—	2,201	2,201	0.09	0.02	—	2,208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.51	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.3	19.3	< 0.005	< 0.005	—	19.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.21	2.48	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	621	621	0.01	0.03	0.06	629
Vendor	0.07	0.02	1.23	0.46	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	691	691	0.04	0.10	0.04	722
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.7	33.7	< 0.005	< 0.005	0.05	34.1
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.5	36.5	< 0.005	0.01	0.03	38.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.57	5.57	< 0.005	< 0.005	0.01	5.65
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.04	6.04	< 0.005	< 0.005	0.01	6.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.67	5.88	8.19	0.01	0.25	—	0.25	0.23	—	0.23	—	1,244	1,244	0.05	0.01	—	1,248
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.1	68.1	< 0.005	< 0.005	—	68.4
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.62	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	148	148	< 0.005	0.01	0.02	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.34	8.34	< 0.005	< 0.005	0.01	8.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	4.85	4.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	4.85	4.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.45	0.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	69.8	69.8	< 0.005	< 0.005	—	70.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.5	11.5	< 0.005	< 0.005	—	11.6
Architectural Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.72	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	142	142	< 0.005	< 0.005	0.51	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	126	126	< 0.005	0.01	0.01	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.8	67.8	< 0.005	< 0.005	0.11	68.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	4.85	4.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Architectural Coatings	0.39	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.77	1.77	< 0.005	< 0.005	—	1.78
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.01	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.02	10.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.69	1.69	< 0.005	< 0.005	< 0.005	1.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Wareho Rail	1.25	1.15	1.07	11.0	0.02	0.02	2.15	2.16	0.02	0.55	0.56	—	2,553	2,553	0.10	0.10	8.08	2,594
Single Family Housing	0.05	0.04	0.04	0.39	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	91.0	91.0	< 0.005	< 0.005	0.29	92.5
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.04	0.04	0.04	0.39	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	90.1	90.1	< 0.005	< 0.005	0.29	91.6
Total	1.34	1.23	1.14	11.8	0.03	0.02	2.30	2.32	0.02	0.58	0.60	—	2,734	2,734	0.11	0.11	8.65	2,778
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.15	1.03	1.25	9.14	0.02	0.02	2.15	2.16	0.02	0.55	0.56	—	2,332	2,332	0.11	0.11	0.21	2,368
Single Family Housing	0.04	0.04	0.04	0.33	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	83.1	83.1	< 0.005	< 0.005	0.01	84.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.04	0.04	0.04	0.32	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	82.3	82.3	< 0.005	< 0.005	0.01	83.6
Total	1.23	1.11	1.34	9.79	0.02	0.02	2.30	2.32	0.02	0.58	0.60	—	2,498	2,498	0.12	0.12	0.22	2,536
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.21	0.19	0.21	1.66	< 0.005	< 0.005	0.39	0.39	< 0.005	0.10	0.10	—	394	394	0.02	0.02	0.58	400

Single Family Housing	0.01	0.01	0.01	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.02	13.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.01	0.01	0.01	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	0.02	10.7
Total	0.22	0.20	0.23	1.76	< 0.005	< 0.005	0.41	0.42	< 0.005	0.11	0.11	—	418	418	0.02	0.02	0.61	425

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	930	930	0.04	0.01	—	933
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	6.52	6.52	< 0.005	< 0.005	—	6.54
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	6.53	6.53	< 0.005	< 0.005	—	6.55
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	16.0	16.0	< 0.005	< 0.005	—	16.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	959	959	0.05	0.01	—	962

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	930	930	0.04	0.01	—	933
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	6.52	6.52	< 0.005	< 0.005	—	6.54
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	6.53	6.53	< 0.005	< 0.005	—	6.55
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	16.0	16.0	< 0.005	< 0.005	—	16.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	959	959	0.05	0.01	—	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	154	154	0.01	< 0.005	—	154
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1.08	1.08	< 0.005	< 0.005	—	1.08
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.08	1.08	< 0.005	< 0.005	—	1.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.65	2.65	< 0.005	< 0.005	—	2.66
Total	—	—	—	—	—	—	—	—	—	—	—	—	159	159	0.01	< 0.005	—	159

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	160
Single Family Housing	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.6	12.6	< 0.005	< 0.005	—	12.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Total	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	182	182	0.02	< 0.005	—	183
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	160
Single Family Housing	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.6	12.6	< 0.005	< 0.005	—	12.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Total	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	182	182	0.02	< 0.005	—	183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrig Warehouse-No Rail	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Single Family Housing	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.09	2.09	< 0.005	< 0.005	—	2.09
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.68	1.68	< 0.005	< 0.005	—	1.68
Total	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.1	30.1	< 0.005	< 0.005	—	30.2

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.18	1.09	0.06	6.65	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.3	27.3	< 0.005	< 0.005	—	27.4
Total	4.74	4.65	0.06	6.65	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	27.3	27.3	< 0.005	< 0.005	—	27.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.56	3.56	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.14	0.01	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10
Total	0.80	0.79	0.01	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.09	3.09	< 0.005	< 0.005	—	3.10

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	74.4	69.4	144	0.26	0.16	—	199
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.08	0.07	0.15	< 0.005	< 0.005	—	0.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.36	0.33	0.69	< 0.005	< 0.005	—	0.96
Total	—	—	—	—	—	—	—	—	—	—	—	74.9	69.8	145	0.26	0.16	—	200
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	74.4	69.4	144	0.26	0.16	—	199
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.08	0.07	0.15	< 0.005	< 0.005	—	0.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.36	0.33	0.69	< 0.005	< 0.005	—	0.96
Total	—	—	—	—	—	—	—	—	—	—	—	74.9	69.8	145	0.26	0.16	—	200
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	12.3	11.5	23.8	0.04	0.03	—	32.9
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.02	< 0.005	< 0.005	—	0.03
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06	0.12	< 0.005	< 0.005	—	0.16
Total	—	—	—	—	—	—	—	—	—	—	—	12.4	11.6	23.9	0.04	0.03	—	33.1

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.3	0.00	76.3	7.63	0.00	—	267
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	0.00	—	1.33
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.67

Total	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	7.71	0.00	—	270
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.3	0.00	76.3	7.63	0.00	—	267
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	0.00	—	1.33
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.67
Total	—	—	—	—	—	—	—	—	—	—	—	77.2	0.00	77.2	7.71	0.00	—	270
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.6	0.00	12.6	1.26	0.00	—	44.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.22
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.08	0.00	0.08	0.01	0.00	—	0.28
Total	—	—	—	—	—	—	—	—	—	—	—	12.8	0.00	12.8	1.28	0.00	—	44.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2026	1/28/2026	5.00	20.0	—
Grading	Grading	1/29/2026	2/25/2026	5.00	20.0	—
Building Construction	Building Construction	3/26/2026	1/27/2027	5.00	220	—
Paving	Paving	2/26/2026	3/25/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	4/9/2026	2/10/2027	5.00	220	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	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	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	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	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
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	Tractors/Loaders/Back	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	6.25	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	38.1	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	63.9	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	25.0	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	12.8	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	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	2,108	703	227,376	75,792	612

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	1,000	30.0	0.00	—
Grading	6,100	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.25

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%

Single Family Housing	0.01	0%
Parking Lot	0.23	100%
General Office Building	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	375	0.01	< 0.005
2027	0.00	375	0.01	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	262	262	262	95,668	3,026	3,026	3,026	1,104,340
Single Family Housing	9.44	9.54	8.55	3,404	107	108	96.6	38,471
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	9.25	2.10	0.66	2,557	107	24.2	7.68	29,511

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	1
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)
2108.025	703	227,376	75,792	612

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)
Unrefrigerated Warehouse-No Rail	1,271,083	267	0.0129	0.0017	497,230
Single Family Housing	8,908	267	0.0129	0.0017	39,331

Parking Lot	8,929	267	0.0129	0.0017	0.00
General Office Building	21,873	267	0.0129	0.0017	31,606

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	34,834,113	389,661
Single Family Housing	35,259	0.00
Parking Lot	0.00	0.00
General Office Building	168,847	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	142	—
Single Family Housing	0.71	—
Parking Lot	0.00	—
General Office Building	0.88	—

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
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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	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	Acreage adjusted to represent total site acreage Lot acreage for single-family unit and office zeroed out because the area is included within the industrial building
Construction: Construction Phases	Demolition not required. Architectural coating assumed to start two weeks after building construction and last the same amount of time

APPENDIX B

ARBORIST REPORT

California Tree and Landscape Consulting, Inc.
359 Nevada Street, #201, Auburn, CA 95603 (530) 745-4086

July 29, 2024

Sacramento Corporate Way, LLC
Attn: Bill Henry and Chris Tramonte
570 Lake Cook Rd. Suite 325
Deerfield, IL 60015
Via Phone: (651) 283-4995
Via Email: ctramonte@bannerreg.com

PRE-DEVELOPMENT ARBORIST REPORT, TREE INVENTORY & PROTECTION PLAN

RE: 1 Corporate Way, APN 031-0051-019-0000; City of Sacramento Jurisdiction

Executive Summary:
Bill Henry of Sacramento Corporate Way, LLC, on behalf of the property owner, contacted California Tree and Landscape Consulting, Inc. to inventory and evaluate the trees on the site or within 25' of development for purposes of evaluating the impacts to the trees from the proposed development plans, "New 3 Story, Climate Controlled, S-1 w Accessory Office and R-2 Unit, various sheets, by SGW Architecture & Design dated 04/08/24 Entitlements Initial Submittal. The property is within the jurisdiction of the City of Sacramento. See Supporting Information Appendix A –Tree Location Map.

Tyler Thomson, ISA Certified Arborist #WE-12751A, was on site July 15, 2024. A total of 14 trees, 4 of which are onsite, were evaluated on this property. An additional 10 off site trees were evaluated. 3 trees are considered 'Private-Protected' by the City of Sacramento Tree Preservation code chapter 12.56, 1 of which also meets the criteria for a Heritage tree.

There were 14 trees evaluated 9 of them are on site and the other 5

TABLE 1 – Tree Inventory Summary

Tree Species	Trees Inventoried	Trees located on the Parcel[1]	Protected by Sacramento City Tree Preservation Code	Proposed for Removal	Trees impacted by the proposed development and requiring special protection measures
Chinese hackberry, *Celtis sinensis*	7	5	0	0	4
Chinese pistache, *Pistacia chinensis*	2	0	0	0	0

[1] CalTLC is not a licensed land surveyor. Tree ownership was not determined. Conclusions within this report are based on existing fences or other landmarks which may not represent the actual property boundary.

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Tree Species	Trees Inventoried	Trees located on the Parcel[1]	Protected by Sacramento City Tree Preservation Code	Proposed for Removal	Trees impacted by the proposed development and requiring special protection measures
Chinese tallow tree, *Triadica sebifera*	1	0	0	0	1
Coast redwood, *Sequoia sempervirens*	2	0	2 (Private Protected)	0	1
Holly oak, *Quercus ilex*	1	0	0	0	1
Valley oak, *Quercus lobata*	1	1	1 (Private Protected, Heritage tree)	0	1
Total	**14**	**9 (2 *may* be offsite)**	**3**	**0**	**8**

See Appendices for specific information on each tree and preservation requirements and/or restrictions

The site is currently undeveloped and surrounded on 3 sides by existing development (parking lots). The majority of the trees are landscape plantings. Encroachment/impacts are identified in the following tree inventory data. All encroachments are considered minor and are not expected to cause any long term stress/impact to any of the trees provided the arborists recommendations are followed.

Methods

Appendix 2 in this report is the detailed inventory and recommendations for the trees. The following terms and Table A – Ratings Description will further explain our findings.

A Level 2 – Basic Visual Assessment was performed in accordance with the International Society of Arboriculture's best management practices. This assessment level is limited to the observation of conditions and defects which are readily visible. Additional limiting factors, such as blackberries, poison oak, and/or debris piled at the base of a tree can inhibit the visual assessment.

Tree Location: The GPS location of each tree was collected using the ESRI's ArcGIS collector application on an Apple iPhone or Samsung. The data was then processed in ESRI's ArcMap to produce the tree location map.

Tree Measurements: DBH (diameter at breast height) is normally measured at 4'6" (above the average ground height for "Urban Forestry"), but if that varies then the location where it is measured is noted. A steel diameter tape was used to measure the DBH for trees less than 23" in diameter and a steel diameter tape for trees greater than 23". A Stanley laser distance meter was used to measure distances. Canopy radius measurements may also have been estimated due to obstructions.

Terms

Field Tag # The pre-stamped tree number on the tag which is installed at approximately 6 feet above ground level on the north side of the tree.

City Tag # The number listed on the City of Sacramento tree inventory in the ARC GIS system found online at: saccity.maps.arcgis.com

Species The species of a tree is listed by our local and correct common name and botanical name by genus (capitalized) and species (lower case). Oaks frequently cross-pollinate and hybridize, but the identification is towards the strongest characteristics.

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DBH	Diameter at breast height is normally measured at 4'6" (above the average ground height for "Urban Forestry"), but if that varies then the location where it is measured is noted in the next column "measured at"
DSH	"Diameter at standard height" is the same as DBH except as follows (according to the City of Sacramento requirements): (1) For a tree that branches at or below 4.5 feet, DSH means the diameter at the narrowest point between the grade and the branching point; and (2) For a tree with a common root system that branches at the ground, DSH means the sum of the diameter of the largest trunk plus one-half the cumulative diameter of the remaining trunks at 4.5 feet above natural grade.
Measured at	Height above average ground level where the measurement of DBH was taken
Canopy radius and Protection Zone Area	The farthest extent of the crown composed of leaves and small twigs. Most trees are not evenly balanced. This measurement represents the longest extension from the trunk to the outer canopy. The dripline measurement is from the center point of the tree and is shown on the Tree Location Map as a circle. This measurement further defines the radius of the protection zone to be specified on any development plans unless otherwise indicated in the arborist recommendations, Appendix 2.
Critical Root Zone	The radius of the critical root zone is a circle equal to the trunk diameter inches converted to feet and factored by tree age, condition and health pursuant to the industry standard. Best Management Practices: Managing Trees During Construction, the companion publication to the Approved American National Standard, provides guidance regarding minimum tree root protection zones for long term survival. In instances where a tree is multi-stemmed the protected root zone is equal to the extrapolated diameter (sum of the area of each stem converted to a single stem) factored by tree age, condition and health.
Arborist Rating	Subjective to condition and is based on both the health and structure of the tree. All of the trees were rated for condition, per the recognized national standard as set up by the Council of Tree and Landscape Appraisers and the International Society of Arboriculture (ISA) on a numeric scale of 5 (being the highest) to 0 (the worst condition, dead) as in Chart A. The rating was done in the field at the time of the measuring and inspection.

Arborist Ratings

No problem(s)	Excellent	**5**
No apparent problem(s)	Good	**4**
Minor problem(s)	Fair	**3**
Major problem(s)	Fair to Poor	**2**
Extreme problem(s)	Poor	**1**
Dead	Dead	**0**

Rating #0: This indicates a tree that has no significant sign of life.
Rating #1: The problems are extreme. This rating is assigned to a tree that has structural and/or health problems that no amount of work or effort can change. The issues may or may not be considered a dangerous situation.
Rating #2: The tree has major problems. If the option is taken to preserve the tree, its condition could be improved with correct arboricultural work including, but not limited to: pruning, cabling, bracing, bolting, guying, spraying, mistletoe removal, vertical mulching, fertilization, etc. If the recommended actions are completed correctly, hazard can be reduced and the rating can be elevated to a 3. If no action is taken the tree is considered a liability and should be removed.
Rating #3: The tree is in fair condition. There are some minor structural or health problems that pose no immediate danger. When the recommended actions in an arborist report are completed correctly the defect(s) can be minimized or eliminated.
Rating #4: The tree is in good condition and there are no apparent problems that a Certified Arborist can see from a visual ground inspection. If potential structural or health problems are tended to at this stage future hazard can be reduced and more serious health problems can be averted.

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Rating #5: No problems found from a visual ground inspection. Structurally, these trees have properly spaced branches and near perfect characteristics for the species. Highly rated trees are not common in natural or developed landscapes. No tree is ever perfect especially with the unpredictability of nature, but with this highest rating, the condition should be considered excellent.

Notes: Provide notable details about each tree which are factors considered in the determination of the tree rating including: (a) condition of root crown and/or roots; (b) condition of trunk; (c) condition of limbs and structure; (d) growth history and twig condition; (e) leaf appearance; and (f) dripline environment. Notes also indicate if the standard tree evaluation procedure was not followed (for example - why dbh may have been measured at a location other than the standard 54"). Additionally, notes will list any evaluation limiting factors such as debris at the base of a tree.

Development Restrictions/Actions: Recommended actions to increase health and longevity.

Development Impacts: Projected development impacts are based solely on distance relationships between tree location and grading. Field inspections and findings during the project at the time of grading and trenching can change relative impacts. Closely followed guidelines and requirements can result in a higher chance of survival, while requirements that are overlooked can result in a dramatically lower chance of survival. Impacts are measured as follows:

Impact Term:	Long Term Result of Impact:
Negligible	Tree is unlikely to show any symptoms. Chance of survival post development is excellent. Impacts to the Protected Root Zone are less than 5%.
Minor	Tree is likely to show minor symptoms. Chance of survival post development is good. Impacts to the Protected Root Zone are less than 15% and species tolerance is good.
Moderate	Tree is likely to show moderate symptoms. Chance of survival post development is fair. Impacts to the Protected Root Zone are less than 35% and species tolerance is good or moderate.
Severe	Tree is likely to show moderate symptoms annually and a pattern of decline. Chance of long term survival post development is low. Impacts to the Protected Root Zone are up to 50% and species tolerance is moderate to poor.
Critical	Tree is likely to show moderate to severe symptoms annually and a pattern of decline. Chance of long term survival post development is negligible. Impacts to the Protected Root Zone are up to 80%.

Discussion

Trees need to be protected from normal construction practices if they are to remain healthy and viable on the site. Our recommendations are based on experience and the County ordinance requirements to enhance tree longevity. This requires their root zones remain intact and viable despite the use of heavy equipment to install foundations, driveways, underground utilities, and landscape irrigation systems. Simply walking and driving on soil can have serious consequences for tree health. Tree Protection measures should be incorporated into the site plans in order to protect the trees.

Root Structure

The majority of a tree's roots are contained in a radius from the main trunk outward approximately two to three times the canopy of the tree. These roots are located in the top 6" to 3' of soil. It is a common misconception that a tree underground resembles the canopy. The correct root structure of a tree is in the drawing below. All plants' roots need

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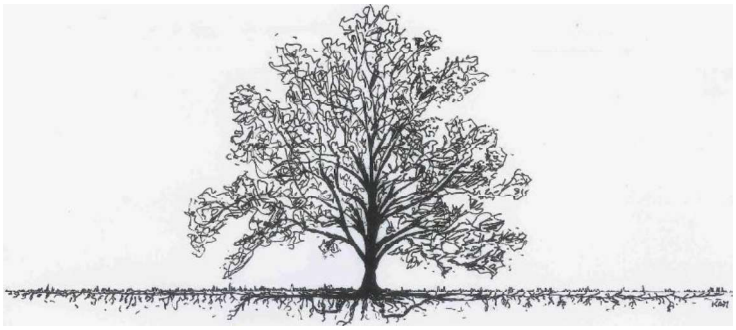
both water and air for survival. Poor canopy development or canopy decline in mature trees after development is often the result of inadequate root space and/or soil compaction.



The reality of where roots are generally located

Our native oak trees are easily damaged or killed by having the soil within the Protected Root Zone (PRZ) disturbed or compacted. All of the work initially performed around protected trees that will be saved should be done by people rather than by wheeled or track type tractors. Oaks are fragile giants that can take little change in soil grade, compaction, or warm season watering. Don't be fooled into believing that warm season watering has no adverse effects on native oaks. Decline and eventual death can take as long as 5-20 years with poor care and inappropriate watering. Oaks can live hundreds of years if treated properly during construction, as well as later with proper pruning, and the appropriate landscape/irrigation design.

Arborist Classifications

There are different types of Arborists:

Tree Removal and/or Pruning Companies: These companies may be licensed by the State of California to do business, but they do not necessarily know anything about trees;

Arborists: Arborist is a broad term. It is intended to mean someone with specialized knowledge of trees but is often used to imply knowledge that is not there.

ISA Certified Arborist: An International Society of Arboriculture Certified Arborist is someone who has been trained and tested to have specialized knowledge of trees. You can look up certified arborists at the International Society of Arboriculture website: isa-arbor.org.

Consulting Arborist: An American Society of Consulting Arborists Registered Consulting Arborist is someone who has been trained and tested to have specialized knowledge of trees and trained and tested to provide high quality reports and documentation. You can look up registered consulting arborists at the American Society of Consulting Arborists website: asca-consultants.org

RECOMMENDATIONS: Summary of Tree Protection Measures for Site Planning

The Owner and/or Developer should ensure the project arborist's protection measures are incorporated into the site plans and followed. Tree specific protection measures can be found in Appendix 2 – Tree Information Data.

- **The stumps of the trees to be removed that are within the root zone of the City trees shall be removed using a backhoe or other piece of grading equipment only with supervision by the project arborist.** Roots from the other nearby trees may have intertwined and will be required to be severed and cut clean during the removal

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process. Pulling on the stumps with equipment will likely result in the lifting of the asphalt in the parking areas on the adjacent parcels.

- Clearance pruning should include removal of all the lower foliage that may interfere with equipment PRIOR to having grading or other equipment on site or in the access path. The Project Arborist should approve the extent of foliage elevation and oversee the pruning to be performed by a contractor who is an ISA Certified Arborist.
- Clearly designate an area on the site outside the drip line of all trees on the adjacent parcels where construction materials may be stored and parking can take place. No materials or parking shall take place within the root zones of trees to be retained.
- Sewer line installation and trenching inside the root protection zone of trees to remain on the site shall be directly supervised by the project arborist. A hydraulic or air spade may be required for digging and placement of pipes underneath the roots, or boring of deeper trenches underneath the roots.
- Follow all of the General Development Guidelines, Appendix 3, for all trees not identified as requiring special preservation measures in the summary and in Appendix 2.

Report Prepared by:



Caroline Nicholas
Arborist Assistant

Project Arborist:



Edwin E. Stirtz
Consulting Arborist
ISA Certified Arborist #WE-0510A, TRAQ

Appendix 1 – Tree Location Map/Development Site Plan
Appendix 2 – Tree Data and Tree Specific Recommendations
Appendix 3 – General Development Guidelines
Appendix 4 – Site Photographs

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1 Corporate Way
Sacramento, CA
Prepared for: Sacramento Corporate Way, LLC

Map of Property Showing Approximate Tree Locations



Prepared by CalTLC
7/22/2024

APPENDIX 2 – TREE DATA

Tag #	Protected By Code	Heritage Tree	Offsite	Species Common Name	Species Botanical Name	DSH (in.)	Measured At (in.)	Canopy Radius (ft.)	Arborist Rating	Notes	Dvlpmnt Status	Mitigation measures
100			Yes	Chinese hackberry	*Celtis sinensis*	14.5	54	21	3-Minor Problems	fair flare, in growing strip into offsite parking lot. base approximately 14 feet offsite. crown overlaps property line by approximately 10 feet. fair crown balance and density. minor small branch die-back throughout.	No encroachment depicted.	N/A
101			Yes	Chinese pistache	*Pistacia chinensis*	7	54	17	3-Minor Problems	flare obscured, approximately 11 feet offsite. crown overextended west and overlaps property line west by approximately 8 feet, low crown west. slightly low crown density. fair crown balance. in offsite growing strip.	No encroachment depicted.	N/A
102			Yes	Chinese pistache	*Pistacia chinensis*	6.5	54	14	3-Minor Problems	fair flare, approximately 12 feet offsite, growing in parking lot strip offaite. unbalanced crown west, overlaps property l8ne by approximately 5 feet. fair crown density.	No encroachment depicted.	N/A
103			Yes	Chinese hackberry	*Celtis sinensis*	17	54	25	2-Major Structure or health problems	large elevated roots in parking lot growing strip. sunken sinuses around flare and trunk. crowded main stems, crossing and rubbing. unbalanced main crown stems lean heavy and low west. good crown	No encroachment depicted.	N/A

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Tag #	Protected By Code	Heritage Tree	Offsite	Species Common Name	Species Botanical Name	DSH (in.)	Measured At (in.)	Canopy Radius (ft.)	Arborist Rating	Notes	Dvlpmnt Status	Mitigation measures
										density. offsite by approximately 12 feet. crown overlaps property line by approximately 12 feet.		
104			Yes	Holly oak	*Quercus ilex*	15	54	18	3-Minor Problems	fair flare, offsite by approximately 17 feet. crown west overlaps property line by approximately 2 feet. fair crown balance and density.	Minor encroachment for driveway construction which falls slightly inside the critical root zone and landscaping directly under the tree.	Monitor excavation, may require irrigation.
9686				Chinese hackberry	*Celtis sinensis*	17.5	54	27	3-Minor Problems	fair flare, large surface roots, severed large root east. moderately overextended crown branches, recommend pruning end weight. fair crown balance and density. fair vigor.	Minor encroachment for driveway construction which falls slightly inside the critical root zone and landscaping directly under the tree.	Monitor excavation, may require irrigation.
9687				Chinese hackberry	*Celtis sinensis*	16	54	21	3-Minor Problems	fair flare. codominant at 7 and 9 feet. fair crown balance, overextended west crown. fair crown density.	Minor encroachment for driveway construction which falls slightly inside the critical root zone and landscaping directly under the tree.	Monitor excavation, may require irrigation.
9688				Chinese hackberry	*Celtis sinensis*	13.5	54	21	3-Minor Problems	fair flare. poor branch attachment southwest at 6 feet. fair crown balance and density. small branch die-back throughout	Minor encroachment for landscaping slightly within the crz.	Monitor excavation, may require irrigation.

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Tag #	Protected By Code	Heritage Tree	Offsite	Species Common Name	Species Botanical Name	DSH (in.)	Measured At (in.)	Canopy Radius (ft.)	Arborist Rating	Notes	Dvlpmnt Status	Mitigation measures
										crown. low crown north, west, and south. fair vigor.		
9689	Yes	Yes	Shared	Valley oak	*Quercus lobata*	40.3	54	37	3-Minor Problems	good flare, shallow roots lifting asphalt, possibly a shared tree. overlaps main stem southeast, inclusion at attachment union. fair crown balance, low crown northeast over lot. good crown density. good vigor.	Minor to moderate encroachment for water line installation and drive isle above water line. Building falls at edge of crz.	Monitor excavation, root prune as necessary. Excavation may require hydrovac equipment, begin with exploratory trench to determine root size (if any) at trench location. May require irrigation. The tree requires reduction pruning to reduce leverage and weight on over burdened branches. Install “permeable paving” surface within CRZ or install a piped aeration system beneath the hardscape.
9690	Yes		Yes	Coast redwood	*Sequoia sempervirens*	24	54	13	3-Minor Problems	good flare. good overall balance and density. good vigor. my guess is that the tree is 7 feet offsite.	No encroachment depicted.	N/A
9691			Yes	Chinese hackberry	*Celtis sinensis*	13	54	21	3-Minor Problems	good flare, elevated roots. flush cuts on lower half of tree. moderate amount of dead branches up to 2 inches. fair crown balance and density.	Minor encroachment for driveway construction which falls slightly inside the critical root zone and landscaping directly under the tree.	Monitor excavation, may require irrigation.
9692			Yes	Chinese hackberry	*Celtis sinensis*	4	54	13	3-Minor Problems	fair flare, north flare touching wall on property	No encroachment depicted.	N/A

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Tag #	Protected By Code	Heritage Tree	Offsite	Species Common Name	Species Botanical Name	DSH (in.)	Measured At (in.)	Canopy Radius (ft.)	Arborist Rating	Notes	Dvlpmnt Status	Mitigation measures
										line. low crown, fair crown balance and density.		
9693			Yes	Chinese tallow tree	*Triadica sebifera*	13	54	16	2-Major Structure or health problems	unbalanced base, touching wall on property line. swollen lower trunk with dead branches. low mature lateral branches, low crown. fair crown balance and density.	Minor encroachment for driveway construction which falls slightly inside the critical root zone and landscaping directly under the tree.	Monitor excavation, root prune as necessary. May require irrigation.
9694	Yes		Yes	Coast redwood	*Sequoia sempervirens*	28.5	54	15	3-Minor Problems	good flare, approximating tree is 4 feet offsite. good overall balance and foliage health. low lateral branches west over property line. good vigor.	Minor encroachment for driveway construction which falls at the critical root zone and landscaping under the tree.	Monitor excavation, may require irrigation.

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APPENDIX 3 – GENERAL PRACTICES FOR TREE PROTECTION

Definitions

Root zone: The roots of trees grow fairly close to the surface of the soil, and spread out in a radial direction from the trunk of tree. A general rule of thumb is that they spread 2 to 3 times the radius of the canopy, or 1 to 1 ½ times the height of the tree. It is generally accepted that disturbance to root zones should be kept as far as possible from the trunk of a tree.

Inner Bark: The bark on large valley oaks and coast live oaks is quite thick, usually 1" to 2". If the bark is knocked off a tree, the inner bark, or cambial region, is exposed or removed. The cambial zone is the area of tissue responsible for adding new layers to the tree each year, so by removing it, the tree can only grow new tissue from the edges of the wound. In addition, the wood of the tree is exposed to decay fungi, so the trunk present at the time of the injury becomes susceptible to decay. Tree protection measures require that no activities occur which can knock the bark off the trees.

Methods Used in Tree Protection:

No matter how detailed Tree Protection Measures are in the initial Arborist Report, they will not accomplish their stated purpose unless they are applied to individual trees and a Project Arborist is hired to oversee the construction. The Project Arborist should have the ability to enforce the Protection Measures. The Project Arborist should be hired as soon as possible to assist in design and to become familiar with the project. He must be able to read and understand the project drawings and interpret the specifications. He should also have the ability to cooperate with the contractor, incorporating the contractor's ideas on how to accomplish the protection measures, wherever possible. It is advisable for the Project Arborist to be present at the Pre-Bid tour of the site, to answer questions the contractors may have about Tree Protection Measures. This also lets the contractors know how important tree preservation is to the developer.

Root Protection Zone (RPZ): Since in most construction projects it is not possible to protect the entire root zone of a tree, a Root Protection Zone is established for each tree to be preserved. The minimum Root Protection Zone is the area underneath the tree's canopy (out to the dripline, or edge of the canopy), plus 10'. The Project Arborist must approve work within the RPZ.

Fence: Fence around the Root Protection Zone and restrict activity therein to prevent soil compaction by vehicles, foot traffic or material storage. The fenced area shall be off limits to all construction equipment, unless there is express written notification provided by the Project Arborist, and impacts are discussed and mitigated prior to work commencing.

No storage or cleaning of equipment or materials, or parking of any equipment can take place within the fenced off area, known as the RPZ.

The fence should be highly visible, and stout enough to keep vehicles and other equipment out. I recommend the fence be made of orange plastic protective fencing, kept in place by t-posts set no farther apart than 6'.

In areas of intense impact, a 6' chain link fence is preferred.

In areas with many trees, the RPZ can be fenced as one unit, rather than separately for each tree.

Where tree trunks are within 3' of the construction area, place 2" by 4" boards vertically against the tree trunks, even if fenced off. Hold the boards in place with wire. Do not nail them directly to the tree. The purpose of the boards is to protect the trunk, should any equipment stray into the RPZ.

Elevate Foliage: Where indicated, remove lower foliage from a tree to prevent limb breakage by equipment. Low foliage can usually be removed without harming the tree, unless more than 25% of the foliage is removed. Branches

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need to be removed at the anatomically correct location in order to prevent decay organisms from entering the trunk. For this reason, a contractor who is an ISA Certified Arborist should perform all pruning on protected trees.[2]

Expose and Cut Roots: Breaking roots with a backhoe, or crushing them with a grader, causes significant injury, which may subject the roots to decay. Ripping roots may cause them to splinter toward the base of the tree, creating much more injury than a clean cut would make. At any location where the root zone of a tree will be impacted by a trench or a cut (including a cut required for a fill and compaction), the roots shall be exposed with either a backhoe digging radially to the trunk, by hand digging, or by a hydraulic air spade, and then cut cleanly with a sharp instrument, such as chainsaw with a carbide chain. Once the roots are severed, the area behind the cut should be moistened and mulched. A root protection fence should also be erected to protect the remaining roots, if it is not already in place. Further grading or backhoe work required outside the established RPZ can then continue without further protection measures.

Protect Roots in Deeper Trenches: The location of utilities on the site can be very detrimental to trees. Design the project to use as few trenches as possible, and to keep them away from the major trees to be protected. Wherever possible, in areas where trenches will be very deep, consider boring under the roots of the trees, rather than digging the trench through the roots. This technique can be quite useful for utility trenches and pipelines.

Protect Roots in Small Trenches: After all construction is complete on a site, it is not unusual for the landscape contractor to come in and sever a large number of "preserved" roots during the installation of irrigation systems. The Project Arborist must therefore approve the landscape and irrigation plans. The irrigation system needs to be designed so the main lines are located outside the root zone of major trees, and the secondary lines are either laid on the surface (drip systems), or carefully dug with a hydraulic or air spade, and the flexible pipe fed underneath the major roots.

Design the irrigation system so it can slowly apply water (no more than ¼" to ½" of water per hour) over a longer period of time. This allows deep soaking of root zones. The system also needs to accommodate infrequent irrigation settings of once or twice a month, rather than several times a week.

Monitoring Tree Health During and After Construction: The Project Arborist should visit the site at least twice a month during construction to be certain the tree protection measures are being followed, to monitor the health of impacted trees, and make recommendations as to irrigation or other needs. After construction is complete, the arborist should monitor the site monthly for one year and make recommendations for care where needed. If longer term monitoring is required, the arborist should report this to the developer and the planning agency overseeing the project.

[2] International Society of Arboriculture (ISA), maintains a program of Certifying individuals. Each Certified Arborist has a number and must maintain continuing education credits to remain Certified.

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APPENDIX 4 – SITE PHOTOGRAPHS by Tyler Thomson, July 15, 2024

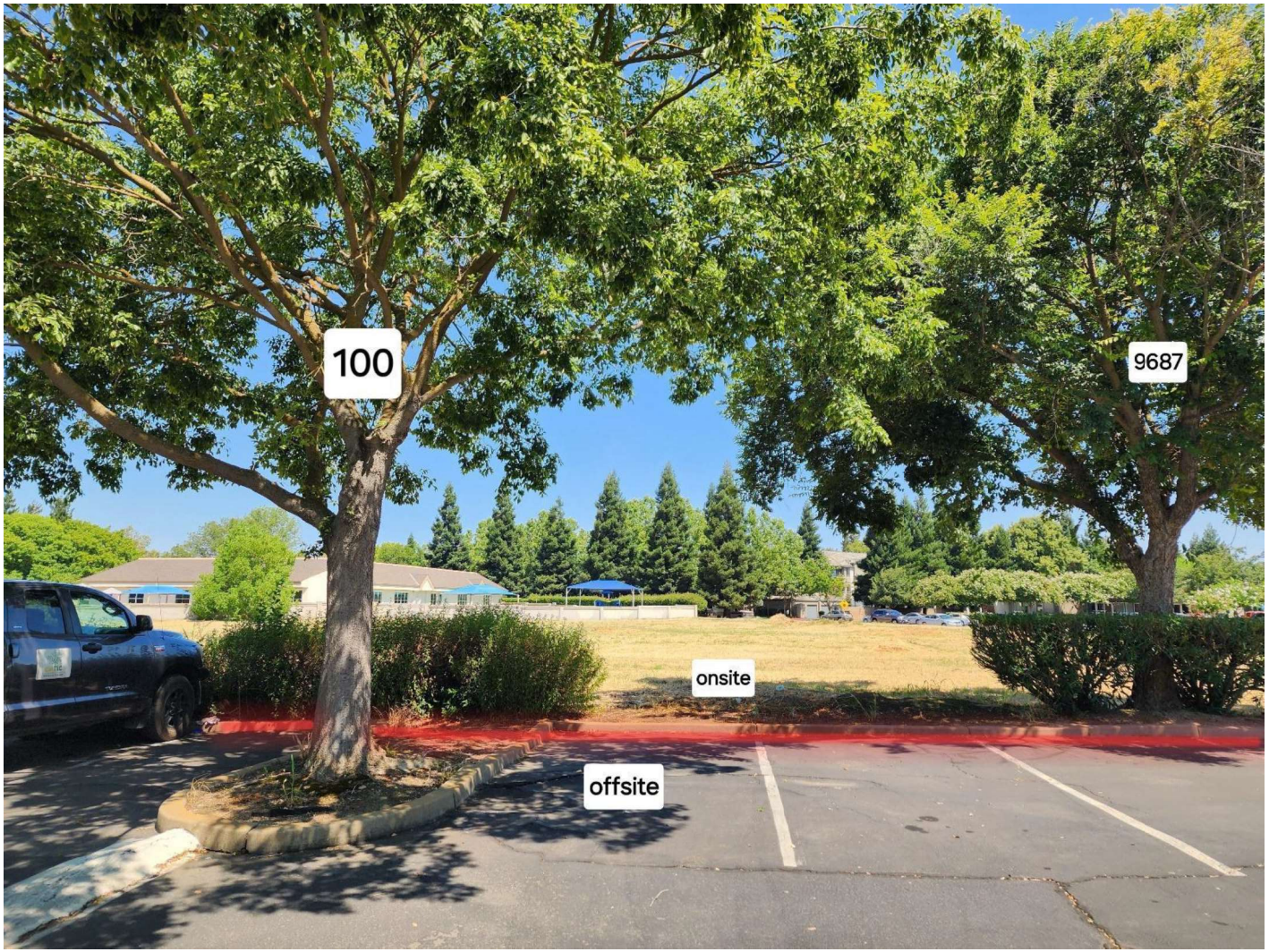

Photo #1, Shows Trees #100, left (offsite) and #9687, right (onsite)

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Photo #2, Shows Tree #103, left (offsite) and Heritage Tree #9689, right (onsite)

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Photo #3, Shows Heritage Tree #9689

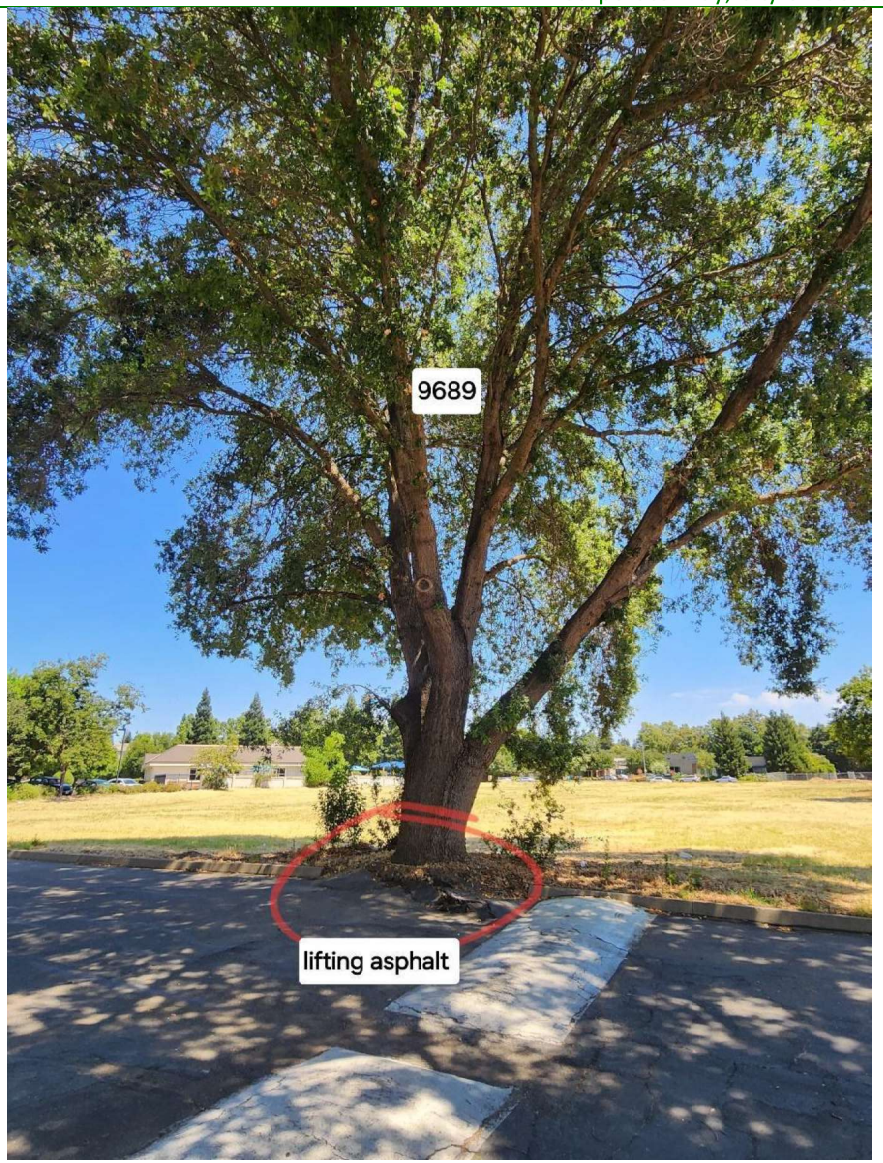

Photo #4, Shows Heritage Tree #9689, lifting asphalt

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Photo #5, Shows Tree #9690, left (possibly offsite) and Tree #104, right offsite)



Photo #6, Shows Tree #9693

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APPENDIX C

GEOTECHNICAL ENGINEERING STUDY

GEOTECHNICAL ENGINEERING STUDY
FOR
BANNER SELF-STORAGE FACILITY
Corporate Way (APN 03100510190000)
Sacramento, California

Project No. E23314.000
November 2023

YOUNGDAHL
ESTABLISHED 1984

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Project No. E23314.000
10 November 2023

Attention: Mr. Chris Tramonte

Subject: **BANNER SELF-STORAGE FACILITY**
Corporate Way (APN 03100510190000), Sacramento, California 95831
GEOTECHNICAL ENGINEERING STUDY

References: See page ii.

Dear Mr. Tramonte:

In accordance with your authorization, Youngdahl Consulting Group, Inc. has prepared this geotechnical engineering study for the project site located along Corporate Way at Sacramento Assessor's Parcel Number (APN) 03100510190000 in Sacramento, California. The purpose of this study was to prepare a site-specific geotechnical report that can be incorporated into design and construction of the proposed site. To complete this task, our firm completed a subsurface exploration, reviewed the referenced documents, and prepared this report in accordance with the Reference 3 services.

Based upon our observations, the subsurface conditions at the project site are prone to static settlements. These conditions are common in this region of Sacramento and efforts to accommodate for these conditions into the design and construction of a project are generally relative to the cost of the improvements while maintaining the requirements for life-safety. The risk of total settlement, differential settlement, and lateral spreading cannot be fully eliminated without remediation of the entire liquefiable soil column, which extends to depths on the order of 37 feet below the ground surface. For the purposes of this report, several mitigation methods and foundation systems are included in this report to aid in project planning. We should be contacted to provide additional recommendations for these types of mitigation methods and foundation systems should they be selected for the project.

Due to the non-uniform nature of soils, other geotechnical issues may become more apparent during grading operations which are not listed above. The descriptions, findings, conclusions, and recommendations provided in this report are formulated as a whole; specific conclusions or recommendations should not be derived or used out of context. Please review the limitations and uniformity of conditions section of this report.

This report has been prepared for the exclusive use of the addressee of this report and their consultants, for specific application to this project, in accordance with generally accepted geotechnical engineering practice. Should you have any questions or require additional information, please contact our office at your convenience.

Very truly yours,
Youngdahl Consulting Group, Inc.



Corinne Goodwin, P.E.
Project Engineer

Reviewed by:



Matthew J. Gross, P.E., G.E.
Senior Engineer

Distribution: PDF to Client

References:

1. Request for Proposal for Geotechnical Services, prepared by Banner Storage Group, LLC, dated 3 August 2023.
2. Boundary & Existing Conditions Plan for Corporate Way Self-Storage, prepared by TSD Engineering, Inc., dated 25 August 2023
3. Proposal Geotechnical Engineering Study for Banner Self-Storage Facility, prepared by Youngdahl Consulting Group, Inc., dated 15 August 2023 (Proposal No. PE23-436).

TABLE OF CONTENTS

1.0 INTRODUCTION 1
Background 1
Project Understanding 1
Purpose and Scope 1

2.0 SITE CONDITIONS 2
Surface Observations 2
Subsurface Conditions 2
Groundwater Conditions 2

3.0 GEOTECHNICAL SOIL CHARACTERISTICS 2
Laboratory Testing 2
Soil Expansion Potential 3
Questionable Soil Conditions 3
Soil Corrosivity 3

4.0 GEOLOGY AND SEISMICITY 4
Geologic Conditions 4
Seismicity 4
Earthquake Induced Liquefaction, Settlement, and Surface Rupture Potential 5
Static and Seismically Induced Slope Instability 6

5.0 DISCUSSION AND CONCLUSIONS 6
Mitigation Measures for Settlements Due to Soft Soils 7
Geotechnical Considerations for Development 8

6.0 SITE GRADING AND EARTHWORK IMPROVEMENTS 8
Excavation Characteristics 8
Soil Moisture Considerations 8
Site Preparation 9
Engineered Fill Criteria 10

7.0 DESIGN RECOMMENDATIONS 12
Ground Improvements 12
Shallow Conventional Foundations with Ground Improvements 12
Mat Foundations with Ground Improvements 14
Slab-on-Grade Construction with Ground Improvements 15
Exterior Flatwork 16
Retaining Walls 17
Asphalt Concrete Pavement Design 18
Portland Cement Concrete Pavement Design 19
Drainage 21

8.0 DESIGN REVIEW AND CONSTRUCTION MONITORING 23
Plan Review 23
Construction Monitoring 23
Post Construction Drainage Monitoring 23

9.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS 23

APPENDIX A 26
Introduction 27
Vicinity Map (Figure A-1) 28
Site Map (Figure A-2) 29

Logs of the Exploratory Borings (Figures A-3 and A-4) 30
Soil Classification Chart and Exploratory Boring Log Legend (Figure A-5) 31
Logs of Cone Penetration Test (CPT) Soundings 32
Liquefaction Analyses 33

APPENDIX B 34
Direct Shear Test (Figure B-1) 35
Modified Proctor Test (Figure B-2) 36
R-Value Test (Figure B-3) 37
Unconfined Compressive Strength Test (Figures B-4 and B-5) 38
No. 200 Wash Tests (Figure 6) 39
Particle Size Analysis Tests (Figures B-7 and B-8) 40
Atterberg Limits Tests (Figures B-9 and B-10) 41
Corrosivity Tests 42

APPENDIX C 43
Site Wall Drainage (Figure C-1) 44

GEOTECHNICAL ENGINEERING STUDY
FOR
BANNER SELF-STORAGE FACILITY

1.0 INTRODUCTION

This report presents the results of our geotechnical engineering study performed for the proposed improvements planned to be constructed along Corporate Way at Sacramento Assessor's Parcel Number (APN) 03100510190000 in Sacramento, California. The vicinity map provided on Figure A-1, Appendix A, shows the approximate project location.

Background

Based on a cursory review of historic aerial imagery, the project site consisted of agricultural land as early as 1947. Between 1984, Corporate Way and adjacent buildings to the south were constructed. Between August 1998 and May 2002, a parking lot and pre-school were constructed adjacent to the southeast and northeast of the site, respectively. Minor fills appear to have been placed along the northwest perimeter of the site. The site appears to have remained relatively unchanged since.

If studies or plans pertaining to the site exist and are not cited as a reference in this report, we should be afforded the opportunity to review and modify our conclusions and recommendations as necessary.

Project Understanding

We understand that proposed development will consist of the construction of a self-storage facility near Park City Drive and Corporate Way in Sacramento, California. We understand that this project is planned to consist of a three-story, ground-up, fully climate-controlled, self-storage facility with an office, trash enclosure, transformer, loading bay, and elevators which will have a base floor plate of 70,000 square feet. Appurtenant developments include a perimeter driveway, small parking lot, concrete hardscaping, and landscaping. The building is anticipated to be supported by shallow foundations and have concrete slab-on-grade floors.

Purpose and Scope

Youngdahl Consulting Group, Inc. has prepared this report to provide geotechnical engineering recommendations and considerations for incorporation into the design and development of the site. The following scope of services were developed and performed for preparation of this report:

- A review of geotechnical and geologic data available to us at the time of our study;
- Performance of a field study consisting of a site reconnaissance and subsurface explorations to observe and characterize the subsurface conditions;
- Evaluation of the data and information obtained from the field study, laboratory testing, and literature review for geotechnical conditions;
- Development of the following geotechnical recommendations and considerations regarding earthwork construction including, site preparation, engineered fill criteria, seasonal moisture conditions, excavation characteristics, and drainage;
- Development of geotechnical design criteria for code-based seismicity, shallow or mat conventional foundations with ground improvements, deep foundations, slabs on grade, and retaining walls;
- Preparation of this report summarizing our findings, conclusions, and recommendations regarding the above-described information.

2.0 SITE CONDITIONS

The following section describes our findings regarding the site conditions that we observed during our site reconnaissance and subsequent subsurface explorations.

Surface Observations

The project site is currently a grass-covered undeveloped lot. The site is bounded by Corporate Way to the northeast, a preschool to the northwest, and parking lots to the southeast and southwest. Topography at the site is relatively flat with slight undulations. Minor fill piles, likely from adjacent developments, are located along the northwest and northeast perimeters. At the time of our site visit on 8 September 2023, vegetation at the site consisted of short recently-mowed grasses and trees along the northwest, southwest, and southeast perimeters. No standing water was observed.

Subsurface Conditions

Our recent field study included a site reconnaissance by a representative of our firm and a subsurface exploration program. The exploration program included the advancement of four cone penetration test (CPT) soundings to refusal which occurred at depths of approximately 35 to 39 feet below ground surface (bgs) and two exploratory borings to depths of 25 to 50 feet bgs. The approximate locations of the soundings and borings are presented on Figure A-2, Appendix A.

The subsurface soils encountered in the CPT soundings and borings generally consisted of stiff to very stiff fine sandy clays and silts in the upper 2 to 7 feet. Groundwater was encountered at 6 ½ to 7 feet bgs. Then the subsurface soil became saturated and generally consisting of very soft to soft clays until 30 to 32 feet bgs where sandy silt to clayey sand was encountered. We encountered a rapid resistance increase at approximately 34 to 37 feet bgs within gravelly sand in a very dense condition with various amounts of sand and cobble to the maximum depth of exploration.

A more detailed description of the subsurface conditions encountered during our subsurface exploration is presented graphically in Appendix A.

Groundwater Conditions

At the time of our investigation, groundwater was encountered at the project site at an approximate depth of 6½ to 7 feet below current ground surface, based on wet cuttings on the auger observed during sampling. Historic groundwater from the Department of Water Resources website suggests that groundwater in the area may fluctuate between 4 and 20 feet bgs. Fluctuations in the level of groundwater may occur due to variations in rainfall, water levels of the nearby Sacramento River, and other factors not evident at the time measurements were made.

3.0 GEOTECHNICAL SOIL CHARACTERISTICS

Laboratory Testing

Laboratory testing of the collected samples was directed towards evaluating the physical and engineering properties of the soils underlying the site. The associated test results are presented in Appendix B. In summary, the following tests were performed for the preparation of this report:

Table 1: Laboratory Tests

Laboratory Test	Test Standard	Summary of Results	
Direct Shear	ASTM D3080	B-2 @ 0-5’	Φ = 31.7°, c = 174 psf (90% RC)
Maximum Dry Density	ASTM D1557	B-2 @ 0-5’	DD =101.3 pcf, MC = 17.8 %
Resistance Value	CTM 301	B-2 @ 0-5’	R-Value = 27
Unconfined Compressive Strength	ASTM D2166	B-1 @ 26-26.5’ B-1 @ 51-51.5’	Compression Strength = 1137.5 psf Compression Strength = 6185.5 psf
Expansion Index	ASTM D4829	B-1 @ 0-5’	EI = 108 (High)
Atterberg Limits	ASTM D4318	B-1 @ 10.5-11’ B-1 @ 30.5-31’	LL = 43, PI = 20 (CL) LL = 28, PI = 8 (SC)
Particle Size Distribution (Sieve)	ASTM D6913	B-2 @ 0-5’ B-1 @ 40.5-41’	2% > No. 4, 81.3% < No. 200 (CH) 57% > No. 4, 5.5% < No. 200 (GW)
Finer Than No. 200	ASTM D1140	B-1 @ 20.5-21’ B-1 @ 50.5-51’	72.5% < No. 200 88.0% < No. 200
Moisture Content & Dry Density	ASTM D2216 & D7263	B-1 @ 11-11.5’ B-2 @ 16-16.5’ B-1 @ 20.5-21’ B-1 @ 21-21.5’ B-2 @ 26-26.5’ B-1 @ 31-31.5’	DD = 83.2 pcf, MC = 36.7% DD = 90.8 pcf, MC = 34.1% DD = 94.4 pcf, MC = 30.1% DD = 90.9 pcf, MC = 32.5% DD = 93.9 pcf, MC = 29.3% DD = 92.0 pcf, MC = 31.7%
Corrosivity Suite	CA DOT Tests 417, 422 and 643	See Soil Corrosivity Section	

Soil Expansion Potential

The plastic materials encountered within our explorations generally consisted of clay of moderate to high plasticity. Based upon the expansion index test results, and per Section 1803.5.3 2022 CBC, the clay encountered at the site is considered to have a high expansion potential. An expansion index test was conducted in the upper 5 feet which reflected this condition.

Questionable Soil Conditions

The Atterberg limit testing we performed returned high liquid limits and the moisture content testing yielded liquid limits near but still below the liquid limits. Clays with moisture contents near and sometimes above the liquid limit can behave like liquids. Where on-site clays are in this condition and further exacerbated by low blow counts and strengths, the site and building could be subject to excessive settlement when loaded.

Soil Corrosivity

A corrosivity testing suite consisting of soil pH, resistivity, sulfate, and chloride content tests were performed on selected soil samples collected during our site exploration. We are not corrosion specialists and recommend that the results be evaluated by a qualified corrosion expert. The laboratory test results (provided by Sunland Analytical, Inc.) are provided in Appendix B and are summarized in Table 2, below.

Table 2: Corrosivity Summary

Location	Depth (ft)	Soil pH	Minimum Resistivity ohm-cm (x1000)	Chloride (ppm)	Sulfate (ppm)	Caltrans Environment	ACI Environment
B-1	10-10.5	7.92	1.07	48.2	27.4	Non-Corrosive	S0 (Not a Concern)
B-2	3-3.5	7.36	1.69	14.8	13.8	Non-Corrosive	S0 (Not a Concern)

According to Caltrans Corrosion Guidelines Version 3.2, March 2021, the test results do not appear to indicate a potentially corrosive environment for steel used in mechanically stabilized earth elements and structural elements.

According to the 2022 California Building Code Section 1904.1 and ACI 318-14 Table 19.3.1.1, the test results indicate the onsite soils have a negligible potential for sulfide attack of concrete.

A certified corrosion engineer should be consulted to review the above tests and site conditions in order to develop specific mitigation recommendations if metallic pipes or structural elements are designed to be in contact with or buried in soil.

4.0 GEOLOGY AND SEISMICITY

The geologic portion of this report includes a review of geologic data pertinent to the site based on an interpretation of our observations of the surface exposures and our observations in our exploratory borings and CPT soundings.

Geologic Conditions

The site is located within the Sacramento Valley. According to the Generalized Geologic Map of Sacramento County (OFR 99-09) the project site is underlain by undivided alluvial deposits of the Holocene (Qha). The geologic map appears to suggest that the lower unit of the Riverbank Formation (Qrl) underlies the alluvial deposits. The lower Riverbank Formation generally consists of interbedded clays, sand, gravel, and cobble. The mapped geologic units correlate well with the logs of the subsurface conditions completed for this study.

Seismicity

Our evaluation of seismicity for the project site included reviewing existing fault maps and obtaining seismic design parameters from the USGS online calculators and databases. For the purpose of this study, we used a latitude and longitude of 38.492044, -121.517293 to identify the project site.

Alquist-Priolo Regulatory Faults

Based upon the records currently available from the California Department of Conservation, the project site is not located within an Alquist-Priolo Regulatory Review Zone and there are no known faults located at the subject site. We do not anticipate special design or construction requirements for faulting at this project site.

Code Based Seismic Criteria

The site should be classified as Site Class F. For these conditions, the building code assumes that the project site would be developed using site-specific design criteria based on the methodologies described in ASCE 7-16, Chapter 21 unless the structural engineer can apply for the exceptions listed in ASCE 7-16 Section 11.4.8.e2 and Section 20.3.1.e1. For the purpose of

preparing the following table, our firm has assumed that these exceptions apply to this project. As such, the value of F_v was calculated using CBC Table 1613.2.3(2) since an evaluation of the site-specific ground motion response was not performed in accordance with ASCE 7-16 Chapter 21 and the design parameters were evaluated using Site Class D based on the seismic shear wave velocity from the CPT soundings. The structural engineer should review the conditions of the exception and the final choice of design parameters remains the purview of the project structural engineer.

Table 3: Seismic Design Parameters*

Reference		Seismic Parameter	Recommended Value
ASCE 7-16	Table 20.3-1	Site Class	F
		Site Class (Degraded for Exceptions)	D
	Figure 22-7	Maximum Considered Earthquake Geometric Mean (MCEC) PGA	0.255g
	Table 11.8-1	Site Coefficient F_{PGA}	1.345
	Equation 11.8-1	$PGA_M = F_{PGA}$ PGA	0.343g
2022 CBC	Figure 1613.2.1(1)	Short-Period MCE at 0.2s, S_S	0.611g
	Figure 1613.2.1(3)	1.0s Period MCE, S_1	0.263g
	Table 1613.2.3(1)	Site Coefficient, F_a	1.312
	Table 1613.2.3(2)	Site Coefficient, F_v	2.074
	Equation 16-20	Adjusted MCE Spectral Response Parameters, $S_{MS} = F_aS_s$	0.801g
	Equation 16-21	Adjusted MCE Spectral Response Parameters, $S_{M1} = F_vS_1$	0.545g
	Equation 16-22	Design Spectral Acceleration Parameters, $S_{DS} = ⅔S_{MS}$	0.534g
	Equation 16-23	Design Spectral Acceleration Parameters, $S_{D1} = ⅔S_{M1}$	0.364g
	Section 1613.2.5(1)	Seismic Design Category (Short Period), Occupancy I to III	D
	Section 1613.2.5(1)	Seismic Design Category (Short Period), Occupancy IV	D
	Section 1613.2.5(2)	Seismic Design Category (1-Sec Period), Occupancy I to IV	D

*Based on the online calculator available at https://earthquake.usgs.gov/ws/designmaps/

USGS Deaggregation

An evaluation of the design moment magnitude was evaluated using the online USGS deaggregation tool. Based on the results of the evaluation, the mean moment magnitude for the project site is 6.52 and this value was used in the evaluations presented by this report.

Earthquake Induced Liquefaction, Settlement, and Surface Rupture Potential

Liquefaction is the sudden loss of soil shear strength and sudden increase in porewater pressure caused by shear strains, as could result from an earthquake. Research has shown that saturated, loose to medium-dense sands with a silt content less than about 25 percent and located within the top 40 feet are most susceptible to liquefaction and surface rupture/lateral spreading. Typically, recent alluvial deposits such as those present on site are more susceptible to liquefaction. Lateral displacement was not considered since the site is relatively flat.

Earthquake induced settlement associated with liquefaction could be separated into free-field settlements (i.e., settlement of the ground surface), building settlement (i.e., settlement of the building relative to the ground surface), and ejecta (e.g., sand boils). The total settlement of the buildings is the combination of the free-field settlement, liquefaction induced building settlement, and ejecta.

Free-Field Settlement

An analysis of the liquefaction potential for these layers was performed using the computer-based program CLiq v.2.3.1.15 developed by Geologismiki, Inc. The CPT analysis was performed using

the methods presented by Boulanger & Idriss (2014) and Robertson (NCEER 2001). We used a design earthquake moment magnitude of 6.52 and a peak ground acceleration of 0.255 based on the USGS deaggregation tool and ASCE 7-16, respectively. The groundwater elevation was set to a depth of 4 feet.

Based upon the CPT findings collected during our recent exploration of the upper 50 feet of site materials, liquefaction/seismic settlements ranging from about 1 to 2 inches were calculated, with an overall average from the four CPTs of about 1.7 inches.

Liquefaction Potential Index (Iwasaki, 1978)
We considered other methods of evaluation by using the liquefaction potential index (LPI) developed by Iwasaki, et al., 1978. This method considers depth and thickness of the liquefiable layer in respect to the surface effects of liquefaction. Based on this evaluation, the LPI is calculated to be between 1.7 and 4.1, depending on triggering method which is considered to have a low to high potential for liquefaction for the selected method.

Liquefaction Severity Number
We considered other manifestations method of evaluation using the liquefaction severity number (LSN). This method considers depth to liquefiable layers in respect to potential damage to surface layers. Based on this evaluation, the LSN is calculated to be between 1 and 9, depending on triggering method which is considered to have a moderate to major liquefaction for the selected method.

Differential Settlements
Based on the CPT findings, overall differential liquefaction settlement for the proposed structure is expected to be between 0.5 and 1 inches in 50 feet.

Ejecta
The ejection of sands or materials from the ground surface following a seismic event is referred to as ejecta. We are not currently aware of a methodology for determining the volume of potential ejecta. Based on engineering judgement, ejecta is not anticipated to be significant provided the recommendations presented in this report are applied to the development of the project site.

Lateral Displacement
Since the project site and the surrounding area is relatively flat; therefore, the potential for lateral displacement was not considered to have a potential impact for this project.

Static and Seismically Induced Slope Instability
The subject area is in an area of the site that is relatively flat; therefore, the potential for seismically induced slope instability for the existing slopes is considered negligible.

5.0 DISCUSSION AND CONCLUSIONS

Based on our findings, the project site could be subject to static settlement and some seismically induced settlements which could impact the support of the proposed structure. As such, we recommend mitigation measures be implemented to reduce the effects or presence of the settlement potential.

Static Settlement
Static settlement is anticipated based on the soft subsurface soil conditions. We have provided recommendations in the following sections of this report to overexcavate soils under the proposed

building, replace as engineered fills with increased relative compactions, incorporate ground improvement, and utilize rigid foundation approaches.

Mitigation Measures for Settlements Due to Soft Soils

Due to the potential for settlement conditions to affect site development and use mitigation measures are recommended. Measures to address settlement have a range of costs and complexity that can vary between projects and are generally selected based on acceptable amounts of risk and damage for the structure. We recognize that some mitigation measures can be cost prohibitive; however, the selected mitigation measures should at least provide protection for life safety. The selection of mitigation measure(s) is ultimately the decision of others such as the property owners and design build contract. For the purposes of this report, we have included a discussion of the following mitigation options to aid in project planning:

1. Deep foundations
2. Ground improvements
3. Conventional shallow or Mat foundations

Once a mitigation option is determined suitable, by others, additional recommendations can be provided by our firm under separate cover, if necessary.

Deep Foundations

One mitigation measure to address liquefaction is through the use of deep foundations, such as auger cast piles. The intent of this foundation system is to extend through the soil layer(s) which are susceptible to liquefaction and lateral displacement, and the transfer of building loads to a suitable bearing stratum, such as the sites' dense underlying gravels approximately 34 to 37 feet bgs. While this foundation system is considered to be effective in reducing the potential for seismically induced settlement, it may not be a cost-effective option for this project.

Due to the potential for negative skin friction, or downdrag, on the piles within the liquefiable soil layer(s) during a seismic event, the piles would need to be deepened below the dense layers to offset the effective downdrag loads, in addition to the loads of the structure itself. Additionally, due to the relatively shallow groundwater and the dense nature of the underlying gravels, constructability of a deep foundation system can be difficult.

We have assumed that a deep foundation system is not considered a cost-effective option to support the planned structure and mitigate the potential for settlement; therefore, this foundation type is not addressed within this report. If the owner desires a mitigation measure that includes a deep foundation design, we can prepare a proposal to provide that type of analysis under separate scope and contract.

Ground Improvement

Ground improvement techniques and their implementation are performed by a design-build contractor who specializes in the technique and can provide site specific designs to meet the desired conditions provided by the client and their geotechnical representative. Design-build operations are generally an iterative approach requiring consultations between the design-build contractor and the other professional team members. Of the options presented in this report, ground improvement is considered to provide the most protection against settlement.

Ground improvement techniques are generally based on changing the density or confinement of the soil through vibration or displacement via inclusions in the subsurface soils. The projected benefit is to potentially reduce the liquefaction settlement amount or provide a stiffer ground area

for the settlements to occur in a more uniform fashion. In the Sacramento region these methods generally include the installation of stone columns or drilled displacement columns. Other methods exist such as rapid impact compaction and/or deep dynamic compaction; however, they are not generally suitable where existing structures are present or nearby. Based on the soil profile, we anticipate drilled displacement columns may be the most likely candidate. Ground improvement could allow for the use of conventional shallow foundations; however, the selection of the foundation system should be based on the acceptable settlement criteria. Some projects have elected to use mat foundations to further enhance performance.

If this method is desired for the development of this project, a design-build contractor would need to analyze the technique and prepare plans and specifications. Following development of the approach, our firm could review the prepared documentation and prepare supplemental recommendations, if necessary, to address any identified geotechnical concerns.

Conventional Shallow and Mat Foundations

If desired, conventional shallow or mat foundations could be used at the project site, *provided that they are used in conjunction with ground improvement techniques*. Considering the previous use of the site and the soft surface soils already present, the use of shallow or mat foundations would include overexcavation of the near-surface soils and placement of engineered fills prior to ground improvement. This would be needed to generate a working platform for the proposed improvements. This method also includes the placement of a crushed rock layer at the base of the excavation, which is intended to disperse any pore water pressure generated during or following a liquefaction event. The structural engineer should design the shallow or mat foundations to be sufficiently stiff to address the potential settlement of the soil and ultimate, differential settlement damages to the structure. Section 12.13.9.2 of ASCE 7-16 provides commentary regarding flexural demands for liquefaction design. The overexcavation conditions may be revisited depending upon the design-build ground improvement conditions.

Geotechnical Considerations for Development

Some geotechnical conditions should be considered for the development of the project site. The contractor and developer should consider these conditions when preparing the development and construction plans. Although additional items may arise, our firm has prepared the following summary of potential conditions below.

- The groundwater elevation likely fluctuates based on the time of year. The contractor should consider a preconstruction excavation test (i.e. test pit) prior to fully implementing the overexcavation and recompaction process to evaluate the subsurface moisture conditions at the time of construction.
- The project site is relatively flat which increases the potential for poor drainage practices. We recommend that the designers consider the grade designs to promote positive drainage away from the structural improvements.

6.0 SITE GRADING AND EARTHWORK IMPROVEMENTS

Excavation Characteristics

The uppermost site soils are anticipated to be excavatable with conventional earthwork equipment, such as a backhoe or mini-excavator. Sites with similar subsurface conditions generally resort to using mid-size excavators and larger dozers.

Soil Moisture Considerations

The compaction of soil to a desired relative compaction is dependent on conditioning the soil to a target range of moisture content. Moisture contents that are excessively dry or wet could limit the

ability of the contractor to compact soils to the requirements for engineered fill. When dry, moisture should be added to the soil and the soils blended to improve consistency. Wet soil will need to be dried to become compactable. Generally, this includes blending and working the soil to avoid trapping moisture below a dryer surficial crust. Other options are available to reduce the time involved but typically have higher costs and require more evaluation prior to implementation.

The largest contributor to excessive soil moisture is generally precipitation and seepage during the rainy season. In recognition of this, we suggest that consideration be given to the seasonal limitations and costs of winter grading operations on the site. Special attention should be given regarding the drainage of the project site. If the project is expected to work through the wet season, the contractor should install appropriate temporary drainage systems at the construction site and should minimize traffic over exposed subgrades due to the moisture-sensitive nature of the on-site soils. During wet weather operations, the soil should be graded to drain and should be sealed by rubber tire rolling to minimize water infiltration.

Site Preparation

Preparation of the project site should involve demolition, site drainage controls, dust control, clearing and stripping, overexcavation and recompaction of loose/soft soils, exposed grade compaction, and expansive soil mitigation considerations. The following paragraphs state our geotechnical comments and recommendations concerning site preparation.

Site Drainage Controls

We recommend that initial site preparation involve intercepting and diverting any potential sources of surface or near-surface water within the construction zones. Because the selection of an appropriate drainage system will depend on the water quantity, season, weather conditions, construction sequence, and methods used by the contractor, final decisions regarding drainage systems are best made in the field at the time of construction. All drainage and/or water diversion performed for the site should be in accordance with the Clean Water Act and applicable Storm Water Pollution Prevention Plan.

Dust Control

Dust control provisions should be provided for as required by the local jurisdiction's grading ordinance (i.e., water truck or other adequate water supply during grading). Dust control is the purview of the grading contractor.

Clearing and Stripping of Organic Materials

Clearing and stripping operations should include the removal of all organic laden materials including trees, bushes, root balls, root systems, and any soft or loose soil generated by the removal operations. Short or mowed dry grasses may be pulverized and lost within fill materials provided no concentrated pockets of organics result. It is the responsibility of the grading contractor to remove excess organics from the fill materials. **No more than 2 percent of organic material, by weight, should be allowed within the fill materials at any given location.** Preserved trees may require tree root protection which should be addressed on an individual basis by a qualified arborist.

Overexcavation and Recompaction

Following general site clearing, all existing loose/soft or saturated native soils within the development footprint should be overexcavated down to firm native materials approximately two feet bgs and recompacted. Chemical treatment may be considered for improvement to address the high moisture conditions. The overexcavation operations should be performed regardless of the planned foundation system.

Exposed Grade Compaction
Exposed soil grades following initial site preparation activities and overexcavation operations should be scarified to a minimum depth of 8 inches and compacted to the requirements for engineered fill. Prior to placing fill, the exposed grades should be in a firm and unyielding state. Any localized zones of soft or pumping soils observed within the exposed grade should either be scarified and recompacted or be overexcavated and replaced with engineered fill as detailed in the engineered fill section below.

Working Platform for Ground Improvement
Ground improvement techniques typically use tall, narrow equipment which can be subject to overturning. To reduce this risk, a working platform should be constructed to the requirements of the installation contractor. Some approaches have included limited over-excavation and recompaction efforts (e.g., 2 feet), chemical-treatment, and/or placement of stiff surface materials such as aggregate baserock. These approaches could also aid in limited support of slabs.

Engineered Fill Criteria
All materials placed as fills on the site should be placed as “Engineered Fill" which is observed, tested, and compacted as described in the following paragraphs.

Suitability of Onsite Materials
We expect that soil generated from excavations on the site, excluding deleterious material, may be used as engineered fill provided the material does not exceed 6 inches in maximum dimension.

Import Materials
The recommendations presented in this report are based on the assumption that the import materials will be similar to the materials present at the project site. High quality materials are preferred for import; however, these materials can be more dependent on source availability. Import material should be approved by our firm prior to transporting it to the project site.

Material for this project should consist of a material with the geotechnical characteristics presented below. If these requirements are not met, additional testing and evaluation may be necessary to determine the appropriate design parameters for foundations, pavement, and other improvements.

Table 4: Select Import Criteria

Behavior Property	Reference Document	Recommendation
Direct Shear Strength	ASTM D3080	≥ 30° when compacted
Plasticity Index	ASTM D4318	≤ 12
Expansion Index	ASTM D4829	≤ 20
Sieve Analysis	ASTM D1140	Not more than 30% Passing the No. 200 sieve
Maximum Aggregate Size	ASTM D1140	≤ 6”

Fill Placement and Compaction
Engineered fills should be placed in thin horizontal lifts not to exceed 8 inches in uncompacted thickness. If the contractor can achieve the recommended relative compaction using thicker lifts, the method may be judged acceptable based on field verification by a representative of our firm using standard density testing procedures. Lightweight compaction equipment may require

thinner lifts to achieve the recommended relative compaction. Fills should have a maximum particle size of 8 inches unless approved by our firm.

Table 5: Recommended Relative Compaction

Fill Materials	Relative Compaction Private/Public	Method Private/Public
Engineered Fill	95 percent	ASTM D1557
Subgrade	95 percent	ASTM D1557
Aggregate Baserock Grade	95 percent	ASTM D1557

* Unless otherwise required by the utility or governing agency.

Depending on the moisture condition of the soils, the engineered fills may require moisture conditioning to be within a suitable compaction range.

Our firm should be requested for consultation, observation, and testing for the earthwork operations prior to the placement of any fills. Fill soil compaction should be evaluated by means of in-place density tests performed during fill placement so that adequacy of soil compaction efforts may be determined as earthwork progresses.

Underground Improvements

Trench Excavation

Trenches or excavations in soil should be shored or sloped back in accordance with current Cal/OSHA regulations prior to persons entering them. The potential use of a shield to protect workers cannot be precluded. Refer to the Excavation Characteristics section of Site Grading and Improvements of this report for anticipated excavation conditions.

Backfill Materials

Backfill materials for utilities should conform to the requirements of the local jurisdiction. It should be realized that permeable backfill materials will likely carry water at some time in the future.

When backfilling within structural footprints, compacted low permeability materials are recommended to be used a minimum of 5 feet beyond the structural footprint to minimize moisture intrusion.

Backfill Compaction

Backfill compaction should conform to the requirements of the local jurisdiction or to the recommendations of this report, whichever is greater. Where backfill compaction is not specified by the local jurisdiction, the backfill should be compacted to achieve the minimum relative compactions specified in Table 5 of this report.

Exposure to Water

The configuration of a trench increases the likelihood that the trench may be exposed to or retain water. The presence of water can adversely impact the performance of the trench by increasing the potential for the transmission of water to undesired outlets and settlement, even when compacted to the requirements of engineered fill. The contractor should consider these conditions when managing water during interim and post construction periods. This topic is discussed further in the Drainage section of this report.

Floatation
Based on the liquefaction evaluation, underground utilities may be susceptible to floatation as a result of a liquefaction event. The designer or manufacture of the utilities should be consulted regarding resisting elements or capabilities of the utility's elements.

7.0 DESIGN RECOMMENDATIONS

The contents of this section include recommendations for shallow foundations with ground improvement, deep foundations, slab-on-grade foundations, and drainage. We anticipate that the proposed self-storage structure is to be supported using conventional foundations with ground improvements or deep foundations such as auger cast piles or drilled displacement piles (DDC). The foundation designer should evaluate the conditions and prepare a design appropriate to their needs. Discussions regarding geotechnical elements are provided below

Ground Improvements

Auger Cast Pile or Drilled Displacement Column
Auger cast pile or column systems have been successfully used for ground improvements in the Sacramento area. Both densification of soil surrounding displacement elements and frictional or end bearing resistance occur when designing these systems. These systems are generally either continuous flight auger (CFA) piles, drilled displacement piles (DDP), auger pressure grouted displacement (APGD) piles, or drilled displacement columns (DDC). These systems are similar in installation procedures to cast-in-drilled-hole (CIDH) piles; however, the capacities can vary since pressure is used to potentially improve skin friction capacities by applying load to the sidewalls during installation. The volume of the hole can also vary due to the deformation of the sidewalls when uncased. The installation can be beneficial to control noise and vibration and generally have low spoils volumes, thus reducing the impact of foundation installation on the public and surrounding facilities.

Vibratory Stone Columns
Vibratory stone columns have been a successful ground improvement solution for projects in the region. However, the vibrations may be an issue for neighboring structures and difficult operation in clays. Consequently, we do not recommend this ground improvement method for this project without further review.

Field Evaluation of Ground Improvements
Ground improvement operations should be observed and documented by our firm during installation. Inspections should include the depth, spacing, material used, approximate dimensions, and other geotechnically related parameters established by the design. Post-installation CPT soundings may be performed following the completion of installation of ground improvement methods throughout the process. These services are not included in the current scope.

Implementation of the ground improvement technique should also include, at a minimum, the load testing of axial capacity of at least one improvement element (per type) in accordance with ASTM D1143 and D3689 (if appropriate) or other method approved by our firm.

Shallow Conventional Foundations with Ground Improvements

Shallow conventional foundation systems are considered suitable for construction of the proposed self-storage structure, provided that the site is prepared in accordance with the recommendations discussed in Section 6.0 of this report.

The provided values do not constitute a structural design of foundations which should be performed by the structural engineer. In addition to the provided recommendations, foundation design and construction should conform to applicable sections of the 2022 California Building Code.

Estimated Foundation Capacities

The estimated foundation bearing and lateral capacities are presented in the table below for planning purposes. *Final determination of these capacities should be provided by the design-build contractor and/or structural engineer based upon the utilized ground improvement technique and settlement criteria.* The allowable bearing capacity is for support of dead plus live loads based on the foundation configuration presented in this report. The allowable capacity may be increased by 1/3 for short-term wind and seismic loads. Lateral forces on structures may be resisted by passive pressure acting against the sides of shallow footings and/or friction between the foundation bearing material and the bottom of the footing. Section 1806.3 of the 2022 CBC allows for the combination of the friction factor and passive resistance value to lateral resistance. Consideration should be given to ignoring passive resistance where soils could be disturbed later or within 6 feet horizontally of the slope face.

Table 6: Estimated Foundation Capacities

Soil Type	Design Condition	Design Value
Engineered Fill	Allowable Bearing Capacity	2,000 psf
	Allowable Fiction Factor*	0.40
	Allowable Passive Resistance	230 psf/ft
* Friction Factor is calculated as tan(ϕ)		

Foundation Settlement

Acceptable settlement ranges should be based on the requirements of the structural engineer. The calculated settlement of the given site and structure is dependent on many factors, including total load, load configuration, and condition of the ground supporting the foundation system. The recommendations provided for the conventional footing systems uses ground improvement elements to provide support for the proposed improvements. As such, the ground improvement contractor should provide settlement estimates based on the selected technique. This generally includes the ground improvement contractor with information presented in this report and load data supplied by the structural engineer for design of their system.

Foundation Configuration

Conventional shallow foundations should be a minimum of 18 inches wide and founded a minimum of 24 inches below the lowest adjacent soil grade. Isolated pad foundations should be a minimum of 24 inches in plan dimension. All isolated pad footings should be interconnected on at least two sides by grade beams, having the same depth as the continuous footings. Foundation configuration and reinforcement should be provided by the structural engineer, taking into account the requirements of Section 12.13.9.2 of ASCE 7-16.

Foundation reinforcement should be provided by the structural engineer. The reinforcement schedule should account for typical construction issues such as load consideration, concrete cracking, and the presence of isolated irregularities. At a minimum, we recommend that continuous footing foundations be reinforced four No. 4 reinforcing bars, two located near the bottom of the footing and two near the top of the stem wall.

Foundation Influence Line and Slope Setback
All footings should be founded below an imaginary 2H:1V plane projected up from the bottoms of adjacent footings and/or parallel utility trenches, or to a depth that achieves a minimum horizontal clearance of 6 feet from the outside toe of the footings to the slope face, whichever requires a deeper excavation.

Subgrade Conditions
Footings should never be cast atop soft, loose, organic, slough, debris, nor atop subgrades covered by ice or standing water. A representative of our firm should be retained to observe all subgrades during footing excavations and prior to concrete placement so that a determination as to the adequacy of subgrade preparation can be made.

Shallow Footing / Stemwall Backfill
All footing/stemwall backfill soil should be compacted to the criteria for engineered fill as recommended in Section 6.0 of this report.

Mat Foundations with Ground Improvements
Soil-supported mat foundations could be used for the main floor of the proposed structure, provided the recommendations from this report are implemented and the foundation could accommodate the potential differential settlement.

The geotechnical issues regarding the use of this foundations include proper soil support and subgrade preparation, proper transfer of loads through the slab underlayment materials to the subgrade soils, and the anticipated presence or absence of moisture below, at, or above the subgrade level. We offer the following comments and recommendations concerning support of mat foundations. The concrete design (concrete mix, reinforcement, moisture protection, and underlayment materials) and possible chemical treatment of soils below the foundation is the purview of the project Structural Engineer.

Estimated Bearing Capacity
The bearing capacity of the mat foundation is expected to be controlled by settlement rather than localized bearing failures. *Final determination of these capacities should be provided by the design-build contractor and/or structural engineer based upon the utilized ground improvement technique and settlement criteria.* We anticipate the allowable pressures are for support of dead plus live loads and may be increased by 1/3 for short-term wind and seismic loads. An estimated allowable dead plus live load bearing pressure of 1,200 psf may be used for design of a mat foundation supported on engineered fills with ground improvement.

Lateral forces on structures may be resisted by passive pressure acting against the sides of mat and/or friction between the foundation bearing material and the bottom of the mat. Section 1806.3 of the 2022 CBC allows for the combination of the friction factor and passive resistance value to

lateral resistance. Consideration should be given to ignoring passive resistance where soils could be disturbed later or within 6 feet horizontally of an open cut face.

Table 6: Estimated Foundation Capacities

Soil Type	Design Condition	Design Value
Engineered Fill	Allowable Bearing Capacity	1,200 psf
	Allowable Fiction Factor*	0.40
	Allowable Passive Resistance	250 psf/ft
* Friction Factor is calculated as tan(ϕ)		

Foundation Settlement

Acceptable settlement ranges should be based on the requirements of the structural engineer. The calculated settlement of the given site and structure is dependent on many factors, including total load, load configuration, and condition of the ground supporting the foundation system. The recommendations provided for the conventional footing systems uses ground improvement elements to provide support for the proposed improvements. As such, the ground improvement contractor should provide settlement estimates based on the selected technique. This generally includes the ground improvement contractor with information presented in this report and load data supplied by the structural engineer for design of their system.

Foundation Influence Line and Slope Setback

All footings should be founded below an imaginary 2H:1V plane projected up from the bottoms of adjacent footings and/or parallel utility trenches

Slab-on-Grade Construction with Ground Improvements

It is our opinion that soil-supported slab-on-grade floors could be used for the main floor of the structure, contingent on proper subgrade preparation and ground improvement. Often the geotechnical issues regarding the use of slab-on-grade floors include proper soil support and subgrade preparation, proper transfer of loads through the slab underlayment materials to the subgrade soils, and the anticipated presence or absence of moisture at or above the subgrade level. We offer the following comments and recommendations concerning support of slab-on-grade floors. The slab design (concrete mix design, curing procedures, reinforcement, joint spacing, moisture protection, and underlayment materials) is the purview of the project Structural Engineer.

Slab Subgrade Preparation

All subgrades proposed to support slab-on-grade floors should be prepared and compacted to the requirements of engineered fill as discussed in Section 6.0 of this report. To reduce the potential for drying following completion of grading, it is preferable that the grading operations be performed relatively close to the time of construction. If performed early, the building pads should be protected from loss of moisture.

Slab Underlayment

As a minimum for slab support conditions, the slab should be underlain by a minimum 4-inch-thick crushed rock layer that is covered by a minimum 10-mil thick moisture retarding plastic membrane. The membrane may only be functional when it is above the vapor sources. The bottom of the crushed rock layer should be above the exterior grade to act as a capillary break and not a reservoir, unless it is provided with an underdrain system. The slab design and underlayment should be in accordance with ASTM E1643 and E1745.

An optional 1-inch blotter layer (e.g., sand and pea gravel) placed above the plastic membrane, is sometimes used to aid in curing of the concrete. The blotter layer materials should be specified by the structural engineer. Although historically common, this blotter layer is not currently included in slabs designed according to the 2022 Green Building Code. When omitted, special wet curing procedures will be necessary. If installed, the blotter layer can become a reservoir for excessive moisture if inclement weather occurs prior to pouring the slab, excessive water collects in it from the concrete pour, or an external source of water enters above or bypasses the membrane. Development of appropriate slab mix design and curing procedures remains the purview of the project structural engineer.

Our experience has shown that vapor transmission through concrete is controlled through proper concrete mix design. As such, proper control of moisture vapor transmission should be considered in the design of the slab as provided by the project architect, structural or civil engineer. It should be noted that placement of the recommended plastic membrane, proper mix design, and proper slab underlayment and detailing per ASTM E1643 and E1745 will not provide a waterproof condition. If a waterproof condition is desired, we recommend that a waterproofing expert be consulted for slab design.

Slab Thickness and Reinforcement

Geotechnical reports have historically provided minimums for slab thickness and reinforcement for general crack control. The concrete mix design and construction practices can additionally have a large impact on concrete crack control. All concrete should be anticipated to crack. As such, these minimums should not be considered to be standalone items to address crack control, but are suggested to be considered in the slab design methodology.

In order to help control the growth of cracks in interior concrete from becoming significant, we suggest the following minimums. Interior concrete slabs-on-grade not subject to heavy loads, should be a minimum of 4-inches thick and reinforced. A minimum of No. 3 deformed reinforcing bars placed at 24 inches on center both ways, at the center of the structural section is suggested. Joint spacing should be provided by the structural engineer. Troweled joints recovered with paste during finishing or “wet sawn” joints should be considered every 10 feet on center. Expansion joint felt should be provided to separate floating slabs from foundations and at least at every third joint. Cracks will tend to occur at recurrent corners, curved or triangular areas and at points of fixity. Trim bars can be utilized at right angle to the predicted crack extending 40 bar diameters past the predicted crack on each side.

Vertical Deflections

Soil-supported slab-on-grade floors can deflect downward when vertical loads are applied, due to elastic compression of the subgrade. For preliminary design of concrete floors, a modulus of subgrade reaction of k = 100 psi per inch would be applicable for engineered fills.

Exterior Flatwork

Exterior concrete flatwork is recommended to have a 4-inch-thick rock cushion. This could consist of vibroplate compacted crushed rock or compacted ¾-inch aggregate baserock. If exterior flatwork concrete is against the floor slab edge without a moisture separator it may transfer moisture to the floor slab. Expansion joint felt should be provided to separate exterior flatwork from foundations and at least at every third joint. Contraction / groove joints should be provided to a depth of at least 1/4 of the slab thickness and at a spacing of less than 30 times the slab thickness for unreinforced flatwork, dividing the slab into nearly square sections. Cracks will tend to occur at recurrent corners, curved or triangular areas and at points of fixity. Trim bars can be

utilized at right angle to the predicted crack extending 40 bar diameters past the predicted crack on each side.

Retaining Walls

Our design recommendations and comments regarding retaining walls for the project site are discussed below. *Retaining wall foundations should be designed in accordance with the Shallow Conventional Foundations section above.*

Retaining Wall Lateral Pressures

Based on our observations and testing, the retaining wall should be designed to resist lateral pressure exerted from a soil media having an equivalent fluid weight provided in the table below. The values presented below are not factored and are for conditions when firm native soil or engineered fill is used within the zone behind the wall defined as twice the height of the retaining wall. Additionally, the values do not account for the friction of the backfill on the retaining wall which may or may not be present depending on the wall materials and construction.

The lateral pressures presented in the table below include recommendations for earthquake loading which is required for structures to be designed in Seismic Design Categories D, E or F per Section 1803.5.12.1 of the 2022 California Building Code. The lateral pressures presented have been calculated using the Mononobe-Okabe Method derived from Wood (1973) and modified by Whitman et al. (1991). The values are intended to be used as the multiplier for uniformly distributed loads and the parameter "H" is the total height of the wall including the footing but excluding any key, if used.

Table 7: Retaining Wall Pressures

Wall Type	Wall Slope Configuration	Equivalent Fluid Weight (pcf)	Lateral Pressure Coefficient	Earthquake Loading (plf)	
Free Cantilever	Flat	40 (Drained) 78 (Undrained)	0.31	$8H^2$	Applied 0.6H above the base of the wall
Restrained*	Flat	60 (Drained) 90 (Undrained)	0.47	$28H^2$	

* Restrained conditions shall be defined as walls which are structurally connected to prevent flexible yielding, or rigid wall configurations (i.e., walls with numerous turning points) which prevent the yielding necessary to reduce the driving pressures from an at-rest state to an active state.

Design Values for Dry Stacked Walls

Dry stacked walls do not generally use the equivalent fluid weight method presented above; instead, they use design soil properties for a given soil condition such as the internal friction angle, cohesion, and bulk unit weight. The walls could include keyed or interlocking non-mortared walls such as segmental block (Basalite, Keystone, Allan Block, etc.), rockery walls, or specialty designs for proprietary systems. When this occurs, the following soil parameters would be applicable for design with the onsite native materials in a firm condition or for engineered fills. The seismic coefficient is considered to be ½ of the adjusted peak ground acceleration for the site conditions is given in Section 4.0 of this report. Some software allows for the extension of the Mononobe-Okabe Method beyond the conventional limitations and, if the method is applied, could calculate seismic values significantly higher than those provided by the multiplier method provided above.

Table 8: Generalized Design Parameters

Internal Angle of Friction	Cohesion	Bulk Unit Weight	Seismic Coefficient, Kh
31°	0 psf	120 psf	0.222g

Wall Drainage

The criteria presented above is based on fully drained conditions as detailed in the attached Figure C-1, Appendix C. For these conditions, we recommend that a blanket of filter material be placed behind all proposed walls. Permeable materials are specified in Section 68 of the California Department of Transportation Standard Specifications, current edition. The filter material should conform to Class 1, Type B permeable material in combination with a filter fabric to separate the open graded gravel/rock from the surrounding soils. Generally, a clean ¾ inch crushed rock should be acceptable. Consistent with Caltrans Standards, when Class 2 permeable materials are used, the filter fabric may be omitted unless otherwise designed.

The blanket of filter material should be a minimum of 12-inches thick and should extend from the bottom of the wall to within 12 inches of the ground surface. The top 12 inches of wall backfill should consist of a compacted soil cap. A filter fabric having specifications equal to or greater than those for Mirafi 140N should be placed between the gravel filter material and the surrounding soils to reduce the potential for infiltration of soil into the gravel. A 4-inch diameter drain pipe should be installed near the bottom of the filter blanket with perforations facing down. The drainpipe should be underlain by at least 4 inches of filter-type material. An adequate gradient should be provided along the top of the foundation to discharge water that collects behind the retaining wall to a controlled discharge system.

The configuration of a long retaining wall generally does not allow for a positive drainage gradient within the perforated drain pipe behind the wall since the wall footing is generally flat with no gradient for drainage. Where this condition is present, to maintain a positive drainage behind the walls, we recommend that the wall drains be provided with a discharge to an appropriate non-erosive outlet a maximum of 50 feet on center. **In addition, if the wall drain outlets are temporarily stubbed out in front of the walls for future connection during building construction, it is imperative that the outlets be routed into the tight pipe area drainage system and not buried and rendered ineffective**

Asphalt Concrete Pavement Design

We understand that asphalt pavements will be used for the associated roadways. The following comments and recommendations are given for pavement design and construction purposes. All pavement construction and materials used should conform to applicable sections of the latest edition of the California Department of Transportation Standard Specifications.

Relative Compaction

The asphalt concrete pavement section should be constructed to achieve the minimum relative compactions specified in Section 6.0 of this report. Deviation from the following values should be reviewed by the governing agency when the pavements are to be constructed within their right-of-way.

Subgrade Stability

All subgrades and aggregate base should be proof-rolled with a full water truck or equivalent immediately before paving, in order to evaluate their condition. If unstable subgrade conditions are observed, these areas should be overexcavated down to firm materials and the resulting excavation backfilled with suitable materials for compaction (i.e., drier native soils or aggregate base). Areas displaying significant instability may require geotextile stabilization fabric within the overexcavated area, followed by placement of aggregate base. Final determination of any required overexcavation depth and stabilization fabric should be based on the conditions observed during subgrade preparation.

Subgrade Resistance Value

Critical features that govern the durability of a pavement section include the stability of the subgrade; the presence or absence of moisture, free water, and organics; the fines content of the subgrade soils; the traffic volume; and the frequency of use by heavy vehicles. Soil conditions can be defined by a soil resistance value, or "R-Value," and traffic conditions can be defined by a Traffic Index (TI).

Laboratory testing was performed on bulk samples considered to be representative of the materials expected to be exposed at subgrade. An R-Value of 27 was identified for the tested soils and used this value for the pavement sections this report. Following the rough grading operations, the subgrade conditions should be evaluated to determine whether adjustments to the design R-value are warranted.

Design values provided are based upon properly drained subgrade conditions. Although the R-Value design to some degree accounts for wet soil conditions, proper surface and landscape drainage design is integral in performance of adjacent street sections with respect to stability and degradation of the asphalt. If clay soils are encountered and cannot be sufficiently blended with non-expansive soils, we should review pavement subgrades to determine the appropriateness of the provided sections, and provide additional pavement design recommendations as field conditions dictate. Even minor clay constituents will greatly reduce the design R-Value.

Section Thickness

The recommended design thicknesses presented in the following table were calculated in accordance with the methods presented in the Sixth Edition of the California Department of Transportation Highway Design Manual. A varying range of traffic indices are provided for use by the project Civil Engineer for roadway design.

Table 9: Asphalt Pavement Section Recommendations (R = 27)

Design Traffic Indices	Alternative Pavement Sections (Inches)				
	Standard Section		Cement-treated Section		
	Asphalt Concrete *	Aggregate Base **	Asphalt Concrete *	Aggregate Base **	Cement Treated Soil***
5.0	2.5	7.0	2.5	4.0	12.0
	3.0	6.0	2.5	4.0	12.0
6.0	3.0	9.0	2.5	4.0	12.0
	3.5	8.0	3.0	4.5	12.0
7.0	4.0	10.5	3.5	4.5	12.0
	4.5	9.5	4.0	5.0	12.0
8.0	4.5	12.5	4.0	5.0	12.0
	5.0	11.5	4.5	5.5	12.0
9.0	5.5	13.5	4.5	5.5	12.0
	6.0	13.0	5.0	6.0	12.0

* Asphalt Concrete: must meet specifications for Caltrans Hot Mix Asphalt Concrete
** Aggregate Base: must meet specifications for Caltrans Class II Aggregate Base (R-Value = minimum 78)
***Cement Treated Soil must meet a minimum 7-day compressive strength of 300 psi (R-Value = minimum 80)

Portland Cement Concrete Pavement Design

We understand that Portland cement concrete pavements may be considered for various aspects of the development, including the drive aisle at the trash enclosure and entry into the building.

The American Concrete Institute (ACI) Concrete Pavement Design method (ACI 330R-08) was used for design of the exterior concrete (rigid) pavements at the site.

Relative Compaction

The asphalt concrete pavement section should be constructed to achieve the minimum relative compactions specified in Section 6.0 of this report. Deviation from the following table should be reviewed by the governing agency when the pavements are to be constructed within their right-of-way. Final acceptance of the constructed pavement section is the purview of the governing agency.

Subgrade Stability

All subgrades and aggregate base should be proof-rolled with a full water truck or equivalent immediately before paving, in order to evaluate their condition.

Soil Design Parameters

The pavement thicknesses were evaluated based on the soil design parameters provided in the following table.

Table 10: Soil Parameters

Subgrade Soil Description	k, Modulus of Subgrade Reaction*	Base Course
CLAY	158 pci	6 inches

* Based on an R-Value of 20 as recommended above and correlated to a k-Value recommended by ACI 330R.

Section Thickness

Based on the subgrade soil parameters shown in the above table, the recommended concrete thicknesses for various traffic descriptions are presented in the table below. The recommended thicknesses provided below assume the use of plain (non-reinforced) concrete pavements.

Table 11: Concrete Pavement Section Recommendations

Category	ADTT*	Pavement Traffic Description	Thickness (inches)	
			3000 psi**	4000 psi**
A	1	Car parking areas and access lanes	5.0	4.5
A	10	Autos, pickups, and panel trucks only	5.5	5.0
B	25	Shopping center entrance and service lanes	6.0	5.5
B	300	Bus parking areas and interior lanes Single-unit truck parking areas and interior lanes	7.0	6.0
C	100	Roadway Entrances and Exterior Lanes	7.0	6.5
C	300		7.5	6.5
C	700		7.5	7.0

* Average Daily Truck Traffic
** 28-day concrete compressive strength

Jointing and Reinforcement

From a geotechnical perspective, contraction joints should be placed in accordance with the American Concrete Institute (ACI) recommendations which include providing a joint spacing about 30 times the slab thickness up to a maximum of 10 feet. The joint patterns should also divide the slab into nearly square panels. If increased joint spacing is desired, reinforcing steel should be installed within the pavement in accordance with ACI recommendations. Final determination of steel reinforcement configurations (if used within the pavements) remains the purview of the Project Structural Engineer.

Drainage

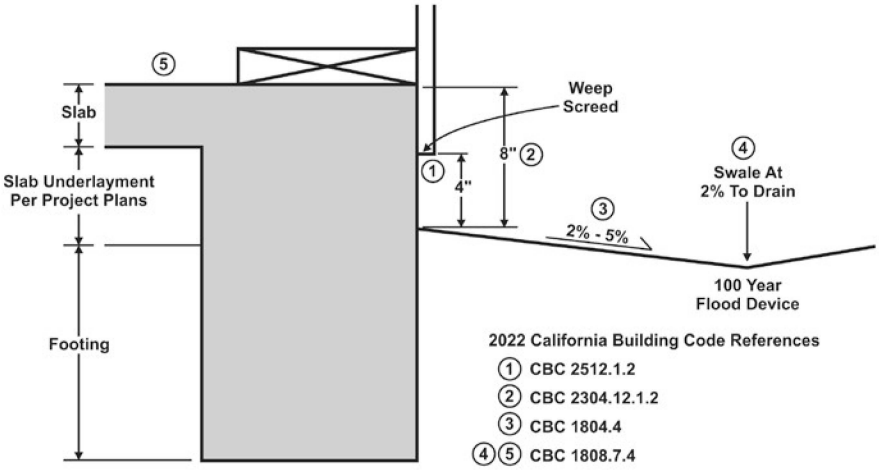
In order to maintain the engineering strength characteristics of the soil presented for use in this report, maintenance of the site will need to be performed. This maintenance generally includes, but is not limited to, proper drainage and control of surface and subsurface water which could affect structural support and fill integrity. A difficulty exists in determining which areas are prone to the negative impacts resulting from high moisture conditions due to the diverse nature of potential sources of water; some of which are outlined in the paragraph below. We suggest that measures be installed to minimize exposure to the adverse effects of moisture, but this will not guarantee that excessive moisture conditions will not affect the structure.

Some of the diverse sources of moisture could include water from landscape irrigation, annual rainfall, offsite construction activities, runoff from impermeable surfaces, collected and channeled water, and water perched in the subsurface soils. Some of these sources can be controlled through drainage features installed either by the owner or contractor. Others may not become evident until they, or the effects of the presence of excessive moisture, are visually observed on the property.

Some measures that can be employed to minimize the buildup of moisture include, but are not limited to proper backfill materials and compaction of utility trenches within the footprint of the proposed structures; grout plugs at foundation penetrations; collection and channeling of drained water from impermeable surfaces (i.e. roofs, concrete or asphalt paved areas); installation of subdrain/cut-off drain provisions; utilization of low flow irrigation systems; education to the proposed owners of proper design and maintenance of landscaping and drainage facilities that they or their landscaper installs.

Drainage Adjacent to Buildings

All grades should provide rapid removal of surface water runoff; ponding water should not be allowed on building pads or adjacent to foundations or other structural improvements (during and following construction). All soils placed against foundations during finish grading should be compacted to minimize water infiltration. Finish and landscape grading should include positive drainage away from all foundations. Section 1808.7.4 of the 2022 California Building Code (CBC) states that for graded soil sites, the top of any exterior foundation shall extend above the elevation of the street gutter at the point of discharge or the inlet of an approved drainage device a minimum of 12 inches plus 2 percent. If overland flow is not achieved adjacent to buildings, the drainage device should be designed to accept flows from a 100-year event. Grades directly adjacent to foundations should be no closer than 8 inches from the top of the slab (CBC 2304.12.1.2), and weep screeds are to be placed a minimum of 4 inches clear of soil grades and 2 inches clear of concrete or other hard surfacing. From this point, surface grades should slope a minimum of 2 percent away from all foundations for at least 5 feet but preferably 10 feet, and then 2 percent along a drainage swale to the outlet (CBC 1804.4). Downspouts should be tight piped via an area drain network and discharged to an appropriate non-erosive outlet away from all foundations.



Typical 2022 California Building Code Drainage Requirements

The above referenced elements pertaining to drainage of the proposed structures is provided as general acknowledgement of the California Building Code requirements, restated and graphically illustrated for ease of understanding. Surface drainage design is the purview of the Project Architect/Civil Engineer. Review of drainage design and implementation adjacent to the building envelopes is recommended as performance of these improvements is crucial to the performance of the foundation and construction of rigid improvements.

ADA Compliance and Drainage

It should be noted that due to the Americans with Disabilities Act (ADA) requirements, design and construction of alternative site drainage configurations may be necessary, particularly for multi-family and commercial developments. In this case, design and construction of adequate drainage adjacent to foundations and slabs are essential to preserving foundation support and reducing the potential for wet slab related issues. A typical example of this condition occurs in commercial developments where the landscape grades are situated at the same elevation as the parking areas so as to not create a drop off between the grades. This condition subsequently results in flat grades between the building, landscape area, and parking lot which do not meet building code requirements and may require more substantial drain inlets.

Parking Area Landscaping Drainage

Prolonged water seepage into pavement sections can result in softening of subgrade soils and subsequent pavement distress. It is anticipated that heavy landscape watering could enter and pond within the aggregate base section as it permeates through the aggregate base under the sidewalks and/or curbs. Prolonged seepage within the pavement section could cause distress to pavements in heavy traffic areas. Some measures that can be employed to minimize the saturation of the subgrade and aggregate base materials include, but are not limited to, construction of cut-off drains or moisture barriers alongside the edge of the pavement, construction of subdrains within landscape areas and installation of plug and drain systems within utility trenches. Due to the elusive and discontinuous nature of drainage related issues, a risk-based approach should be determined by the developer based on consultation and discussions with the design professionals and the amount of protection of facilities that the developer may want to provide against potential moisture related issues.

Post Construction

All drainage related issues may not become known until after construction and landscaping are complete. Therefore, some mitigation measures may be necessary following site development. Landscape watering is typically the largest source of water infiltration into the subgrade. Given the soil conditions on site, excessive or even normal landscape watering could contribute to moisture related problems and/or cause distress to foundations and slabs, pavements, and underground utilities, as well as creating a nuisance where seepage occurs.

8.0 DESIGN REVIEW AND CONSTRUCTION MONITORING

Geotechnical engineering can be affected by natural variability of soils and, as with many projects, the contents of this report could be used and interpreted by many design professionals for the application and development of their plans. For these reasons, we recommend that our firm provide support through plan reviews and construction monitoring to aid in the production of a successful project.

Plan Review

The design plans and specifications should be reviewed and accepted by Youngdahl Consulting Group, Inc. prior to contract bidding. A review should be performed to determine whether the recommendations contained within this report are still applicable and/or are properly interpreted and incorporated into the project plans and specifications. Modifications to the recommendations provided in this report or to the design may be necessary at the time of our review based on the proposed plans.

Construction Monitoring

Construction monitoring is a continuation of geotechnical engineering to confirm or enhance the findings and recommendations provided in this report. It is essential that our representative be involved with all grading activities in order for us to provide supplemental recommendations as field conditions dictate. Youngdahl Consulting Group, Inc. should be notified at least two working days before site clearing or grading operations commence, and should observe the stripping of deleterious material, overexcavation of soft soils and existing fills (if present), and provide consultation, observation, and testing services to the grading contractor in the field. At a minimum, Youngdahl Consulting Group, Inc. should be retained to provide services listed in Table 10 below.

The recommendations included in this report have been based in part on assumptions about strata variations that may be tested only during earthwork. Accordingly, these recommendations should not be applied in the field unless Youngdahl Consulting Group, Inc. is retained to perform construction observation and thereby provide a complete professional geotechnical engineering service through the observational method. Youngdahl Consulting Group, Inc. cannot assume responsibility or liability for the adequacy of its recommendations when they are used in the field without Youngdahl Consulting Group, Inc. being retained to observe construction.

Post Construction Drainage Monitoring

Due to the elusive nature of subsurface water, the alteration of water features for development, and the introduction of new water sources, all drainage related issues may not become known until after construction and landscaping are complete. Youngdahl Consulting Group, Inc. can provide consultation services upon request that relate to proper design and installation of drainage features during and following site development.

9.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. This report has been prepared for the exclusive use of the addressee of this report for specific application to this project. The addressee may provide their consultants authorized use of this

report. Youngdahl Consulting Group, Inc. has endeavored to comply with generally accepted geotechnical engineering practice common to the local area. Youngdahl Consulting Group, Inc. makes no other warranty, expressed or implied.

2. As of the present date, the findings of this report are valid for the property studied. With the passage of time, changes in the conditions of a property can occur whether they be due to natural processes or to the works of man on this or adjacent properties. Legislation or the broadening of knowledge may result in changes in applicable standards. Changes outside of our control may cause this report to be invalid, wholly or partially. Therefore, this report should not be relied upon after a period of three years without our review nor should it be used or is it applicable for any properties other than those studied.

3. Section [A] 107.3.4 of the 2022 California Building Code states that, in regard to the design professional in responsible charge, the building official shall be notified in writing by the owner if the registered design professional in responsible charge is changed or is unable to continue to perform the duties.

   WARNING: Do not apply any of this report's conclusions or recommendations if the nature, design, or location of the facilities is changed. If changes are contemplated, Youngdahl Consulting Group, Inc. must review them to assess their impact on this report's applicability. Also note that Youngdahl Consulting Group, Inc. is not responsible for any claims, damages, or liability associated with any other party's interpretation of this report's subsurface data or reuse of this report's subsurface data or engineering analyses without the express written authorization of Youngdahl Consulting Group, Inc.

4. The analyses and recommendations contained in this report are based on limited windows into the subsurface conditions and data obtained from subsurface exploration. The methods used indicate subsurface conditions only at the specific locations where samples were obtained, only at the time they were obtained, and only to the depths penetrated. Samples cannot be relied on to accurately reflect the strata variations that usually exist between sampling locations. Should any variations or undesirable conditions be encountered during the development of the site, Youngdahl Consulting Group, Inc. will provide supplemental recommendations as dictated by the field conditions.

Table 10: Checklist of Recommended Services

Item Description		Recommended	Not Anticipated
1	Provide foundation design parameters	Included	
2	Review grading plans and specifications	✓	
3	Review foundation plans and specifications	✓	
4	Observe and provide recommendations regarding demolition	✓	
5	Observe and provide recommendations regarding site stripping	✓	
6	Observe and provide recommendations on moisture conditioning removal, and/or recompaction of unsuitable existing soils	✓	
7	Observe and provide recommendations on the installation of subdrain facilities		✓
8	Observe and provide testing services on fill areas and/or imported fill materials	✓	
9	Review as-graded plans and provide additional foundation recommendations, if necessary	✓	
10	Observe and provide compaction tests on storm drains, water lines and utility trenches		✓
11	Observe foundation excavations and provide supplemental recommendations, if necessary, prior to placing concrete	✓	
12	Observe and provide moisture conditioning recommendations for foundation areas and slab-on-grade areas prior to placing concrete		✓
13	Provide design parameters for retaining walls		✓
14	Provide finish grading and drainage recommendations	Included	
15	Provide geologic observations and recommendations for keyway excavations and cut slopes during grading		✓
16	Excavate and recompact all test pits within structural areas		✓

APPENDIX A

Field Study

Vicinity Map
Site Plan
Logs of Exploratory Boring Logs
Soil Classification Chart and Legend
Logs of CPT Soundings
Liquefaction Analyses

Introduction

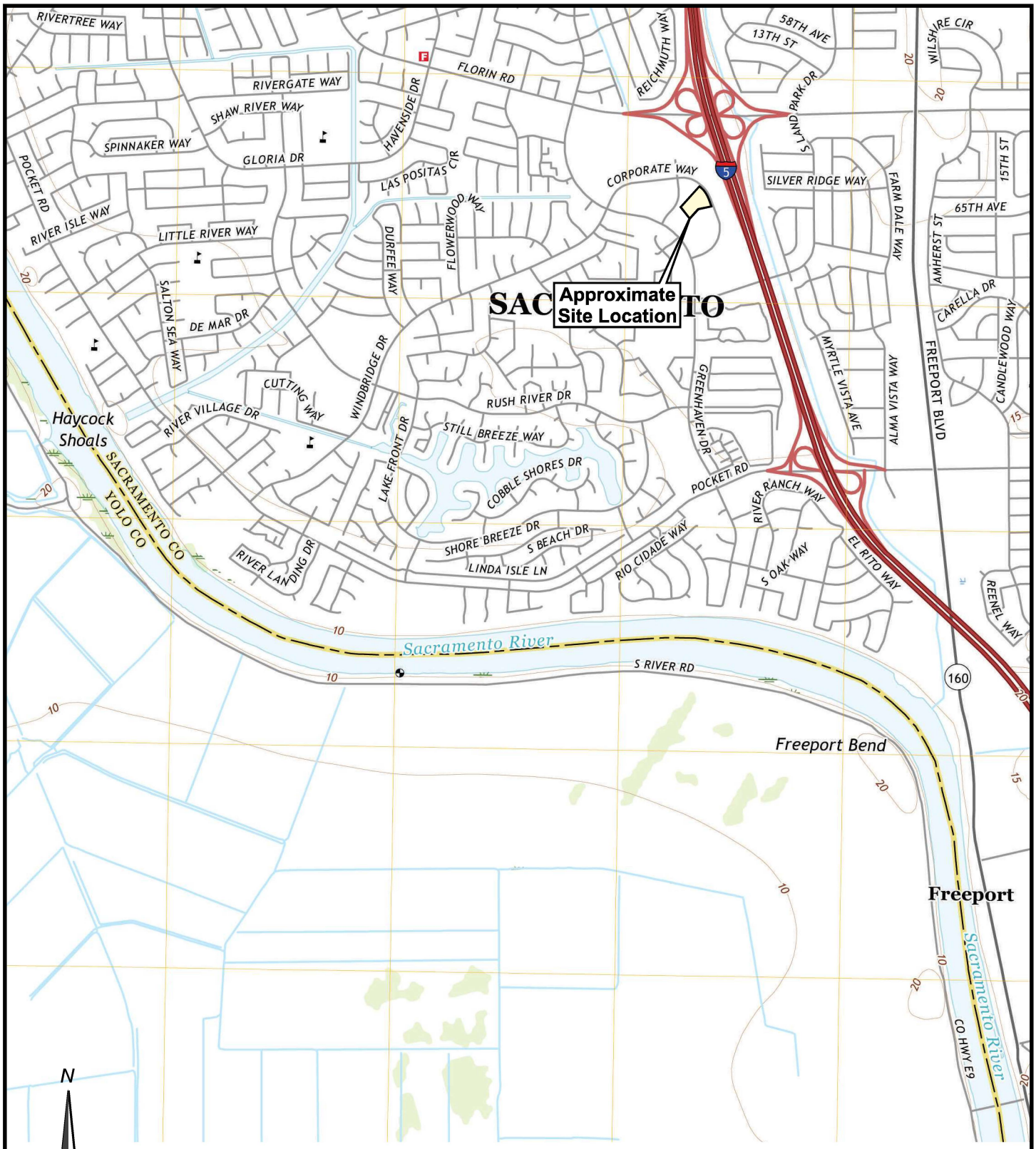
The contents of this appendix shall be integrated with the Geotechnical Engineering Study of which it is a part. They shall not be used in whole or in part as a sole source for information or recommendations regarding the subject site.

Our field study included a site reconnaissance by a Youngdahl Consulting Group, Inc. representative followed by a subsurface exploration program conducted on 8 September 2023, which included the advancement of two (2) borings and the advancement of four (4) cone penetration test (CPT) soundings under his direction at the approximate locations shown on Figure A-2, this Appendix. Drilling was accomplished with a CME 55 truck mounted drill rig and CPTs were accomplished with a 20-ton electronic “push” CPT, 10-wheeled truck rig. The bulk and tube samples collected from the borings returned to our laboratory for further examination and testing.

The Exploratory Boring Logs describe the vertical sequence of soils and materials encountered in the borings, based primarily on our field classifications and supported by our subsequent laboratory examination and testing. Where a soil contact was observed to be gradual, our log indicates the average contact depth. Our log also graphically indicates the sample type, sample number, and approximate depth of each soil sample obtained from the boring.

The soils encountered were logged during this provide the basis for the “Exploratory Boring Logs”, Figures A-3 and A-4, this Appendix. This log shows a graphic representation of the soil profile, the location, and depths at which samples were collected.

The CPT data collected are provided in this section following Figure A-6. The enclosed CPT data describes the vertical sequence of soil behavior which was encountered during exploration based on cone resistance, sleeve friction, and pore water pressure.



Scale: 1:24,000

BASE MAP REFERENCE: *U.S.G.S. 7.5 Minute Topographic Series, Clarksburg Quadrangle, Dated 2021*

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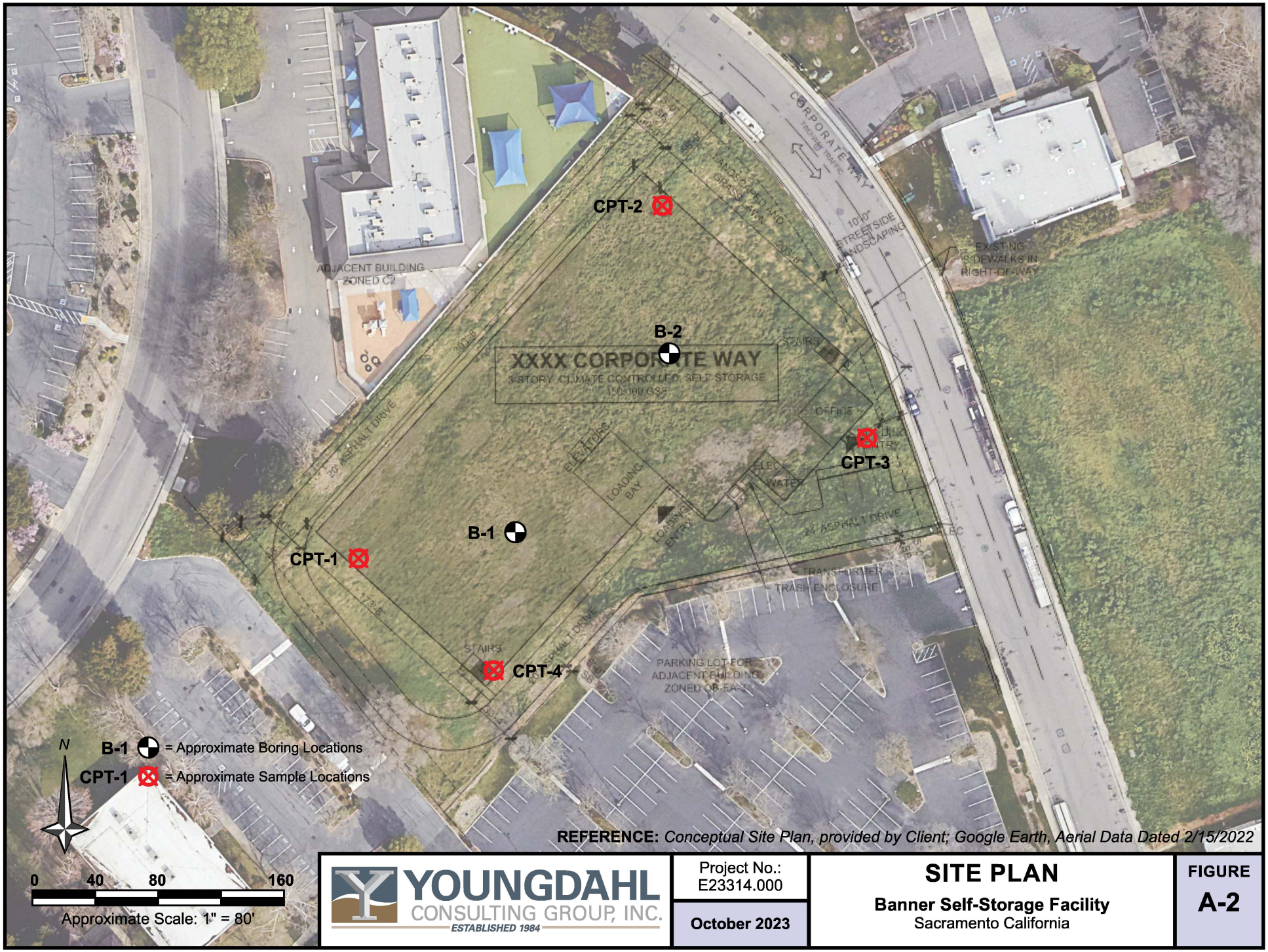
VICINITY MAP

Banner Self-Storage Facility
Sacramento California

FIGURE
A-1



REFERENCE: *Conceptual Site Plan, provided by Client; Google Earth, Aerial Data Dated 2/15/2022*

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SITE PLAN

Banner Self-Storage Facility
Sacramento California

FIGURE
A-2

Logged By: **ITK**	Date: **8 September 2023**	Lat / Lon: **N 38.491872° / W 121.517478°**	Boring No. **B-1**
Equipment: **CME 55 Drill Rig - 4" Solid Stem Auger / Mud Rotary**		Elevation: **~**	

Depth (Feet)	Graphic Log	Ground Water	Geotechnical Description & Unified Soil Classification	Sample	Blow Counts	Pocket Pen (tsf)	Dry Density (pcf)	Moisture Content (%)	Tests & Comments
1			Grey to olive brown **CLAY (CL)**, medium stiff to stiff, slightly moist						**Bulk B-1** @ 0' - 5' Partial Recovery EI = 108 (high)
3			*Grades moist*						
4					10	2.5			
6			*Grades very soft, moist to wet*						
7		▽	*Grades wet*		3	<.25			Switch to Mud Rotary
10			*Grades olive grey, fine grained, sandy*						
11					4	<.25	83.2	36.7	LL = 43, PI = 20
16					3	<.25 <.25			
21			Olive grey **SILT (ML)** with sand, very soft, wet			<.25	94.4	30.1	72.5% < No. 200
			Olive grey **CLAY (CL)**, very soft, wet		2		90.9	32.5	
25			*Boring Continued on Figure A-3b*						

Note: The boring log indicates subsurface conditions only at the specific location and time noted. Subsurface conditions, including groundwater levels, at other locations of the subject site may differ significantly from conditions which, in the opinion of Youngdahl Consulting Group, Inc., exist at the sampling locations. Note, too, that the passage of time may affect conditions at the sampling locations.

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EXPLORATORY BORING LOG

Banner Self-Storage Facility
Sacramento California

FIGURE A-3a

Logged By: **ITK**	Date: **8 September 2023**	Lat / Lon: **N 38.491872° / W 121.517478°**	Boring No. **B-1**
Equipment: **CME 55 Drill Rig - 4" Solid Stem Auger / Mud Rotary**		Elevation: **~**	

Depth (Feet)	Graphic Log	Ground Water	Geotechnical Description & Unified Soil Classification	Sample	Blow Counts	Pocket Pen (tsf)	Dry Density (pcf)	Moisture Content (%)	Tests & Comments
26			Brown sandy **SILT (ML)**, very soft, wet		4	<.25			
27									
28									
29									
30									
31			Brown clayey **SAND (SC)**, very loose, wet						LL = 28, PI = 8
			Light olive brown **SILT (ML)**, very soft, wet		4		92.0	31.7	
32									
33									
34									
35			Brown silty **SAND (SM)**, very loose, wet			<.25			
36			*Grades olive grey to grey*		4	<.25			
37			Olive grey to grey sandy **GRAVEL (GW)** with silt, subrounded, 2" max clast size, dense, wet						
38									
39									
40									
41			*Grades very dense*		97				57.0% > No. 4 5.5% < No. 200
42									
43									
44									
45									
46			Olive to olive yellow **CLAY (CH)**, hard, moist		48	4.25			
47									
48									
49									
50			*Grades green grey to blue grey*						
51					48				88.0% < No. 200
52			Boring terminated at 51.5' Groundwater encountered at 6.5'						

Note: The boring log indicates subsurface conditions only at the specific location and time noted. Subsurface conditions, including groundwater levels, at other locations of the subject site may differ significantly from conditions which, in the opinion of Youngdahl Consulting Group, Inc., exist at the sampling locations. Note, too, that the passage of time may affect conditions at the sampling locations.

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EXPLORATORY BORING LOG

Banner Self-Storage Facility
Sacramento California

FIGURE A-3b

Logged By: **ITK**	Date: **8 September 2023**	Lat / Lon: **N 38.492170° / W 121.517120°**	Boring No. **B-2**
Equipment: **CME 55 Drill Rig - 4" Solid Stem Auger / Mud Rotary**		Elevation: **~**	

Depth (Feet)	Graphic Log	Ground Water	Geotechnical Description & Unified Soil Classification	Sample	Blow Counts	Pocket Pen (tsf)	Dry Density (pcf)	Moisture Content (%)	Tests & Comments
1			Olive brown sandy **CLAY (CL)**, medium stiff to stiff, slightly moist						**Bulk B-2** @ 0' - 5' Partial Recovery ϕ = 31.7°, c = 174 psf DDmax = 101.3 pcf MCopt = 17.8% R-Value = 27
2									
3			*Grades moist*						
4					14	4.5+			
5			*Grades soft*						
6					6	3.5			
7		▽	*Grades very soft, wet*						Switch to Mud Rotary
8									
9									
10									
11					0				No Recovery
12									
13									
14									
15									
16			*Grades olive grey, low plasticity*		2	<.25	90.8	34.1	
17									
18									
19									
20									No Recovery Sand Catcher
21					0				
22									
23									
24									
25			Brown silty **SAND (SM)**, very loose, wet						
26			Olive grey sandy **CLAY (CL)**, very soft, wet		2		93.9	29.3	
27			Boring terminated at 26.5' Groundwater encountered at 7'						

Note: The boring log indicates subsurface conditions only at the specific location and time noted. Subsurface conditions, including groundwater levels, at other locations of the subject site may differ significantly from conditions which, in the opinion of Youngdahl Consulting Group, Inc., exist at the sampling locations. Note, too, that the passage of time may affect conditions at the sampling locations.

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EXPLORATORY BORING LOG

Banner Self-Storage Facility
Sacramento California

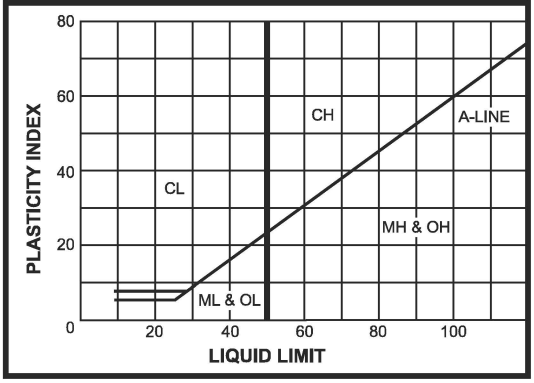
FIGURE A-4

UNIFIED SOIL CLASSIFICATION SYSTEMS

MAJOR DIVISION			SYMBOLS		TYPICAL NAMES
COARSE GRAINED SOILS Over 50% > #200 sieve	GRAVELS Over 50% > #4 sieve	Clean GRAVELS With Little Or No Fines	GW		Well graded **GRAVELS**, **GRAVEL-SAND** mixtures
			GP		Poorly graded **GRAVELS**, **GRAVEL-SAND** mixtures
		GRAVELS With Over 12% Fines	GM		Silty **GRAVELS**, poorly graded **GRAVEL-SAND-SILT** mixtures
			GC		Clayey **GRAVELS**, poorly graded **GRAVEL-SAND-CLAY** mixtures
	SANDS Over 50% < #4 sieve	Clean SANDS With Little Or No Fines	SW		Well graded **SANDS**, gravelly **SANDS**
			SP		Poorly graded **SANDS**, gravelly **SANDS**
		SANDS With Over 12% Fines	SM		Silty **SANDS**, poorly graded **SAND-SILT** mixtures
			SC		Clayey **SANDS**, poorly graded **SAND-CLAY** mixtures
FINE GRAINED SOILS Over 50% < #200 sieve	SILTS & CLAYS Liquid Limit < 50		ML		Inorganic **SILTS**, silty or clayey fine **SANDS**, or clayey **SILTS** with plasticity
			CL		Inorganic **CLAYS** of low to medium plasticity, gravelly, sandy, or silty **CLAYS**, lean **CLAYS**
			OL		Organic **CLAYS** and organic silty **CLAYS** of low plasticity
	SILTS & CLAYS Liquid Limit > 50		MH		Inorganic **SILTS**, micaceous or diamacious fine sandy or silty soils, elastic **SILTS**
			CH		Inorganic **CLAYS** of high plasticity, fat **CLAYS**
			OH		Organic **CLAYS** of medium to high plasticity, organic **SILTS**
HIGHLY ORGANIC CLAYS			PT		PEAT & other highly organic soils

PLASTICITY CHART

USED FOR CLASSIFICATION OF FINE GRAINED SOILS

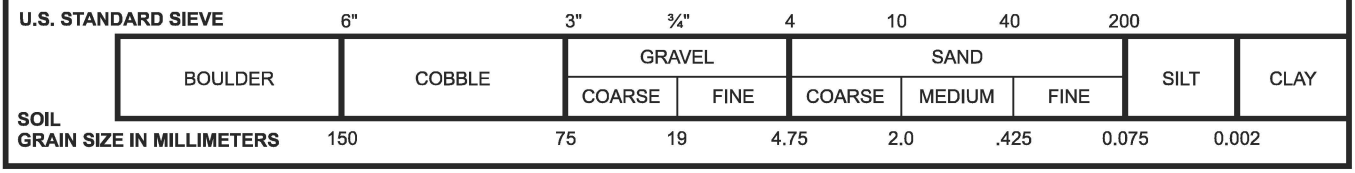


SAMPLE DRIVING RECORD

BLOWS PER FOOT	DESCRIPTION
25	25 Blows drove sampler 12 inches, after initial 6 inches of seating
50/7"	50 Blows drove sampler 7 inches, after initial 6 inches of seating
50/3"	50 Blows drove sampler 3 inches during or after initial 6 inches of seating

Note: To avoid damage to sampling tools, driving is limited to 50 blows per 6 inches during or after seating interval.

SOIL GRAIN SIZE



KEY TO PIT & BORING SYMBOLS

- Standard Penetration test
- 2.5" O.D. Modified California Sampler
- 3" O.D. Modified California Sampler
- Shelby Tube Sampler
- 2.5" Hand Driven Liner
- Bulk Sample
- Water Level At Time Of Drilling
- Water Level After Time Of Drilling
- P — Perched Water

KEY TO PIT & BORING SYMBOLS

- Joint
- Foliation
- Water Seepage
- NFWE — No Free Water Encountered
- FWE — Free Water Encountered
- REF — Sampling Refusal
- DD — Dry Density (pcf)
- MC — Moisture Content (%)
- LL — Liquid Limit
- PI — Plasticity Index
- PP — Pocket Penetrometer
- UCC — Unconfined Compression (ASTM D2166)
- TVS — Pocket Torvane Shear
- EI — Expansion Index (ASTM D4829)
- Su — Undrained Shear Strength

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SOIL CLASSIFICATION CHART AND LOG EXPLANATION
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Sacramento California

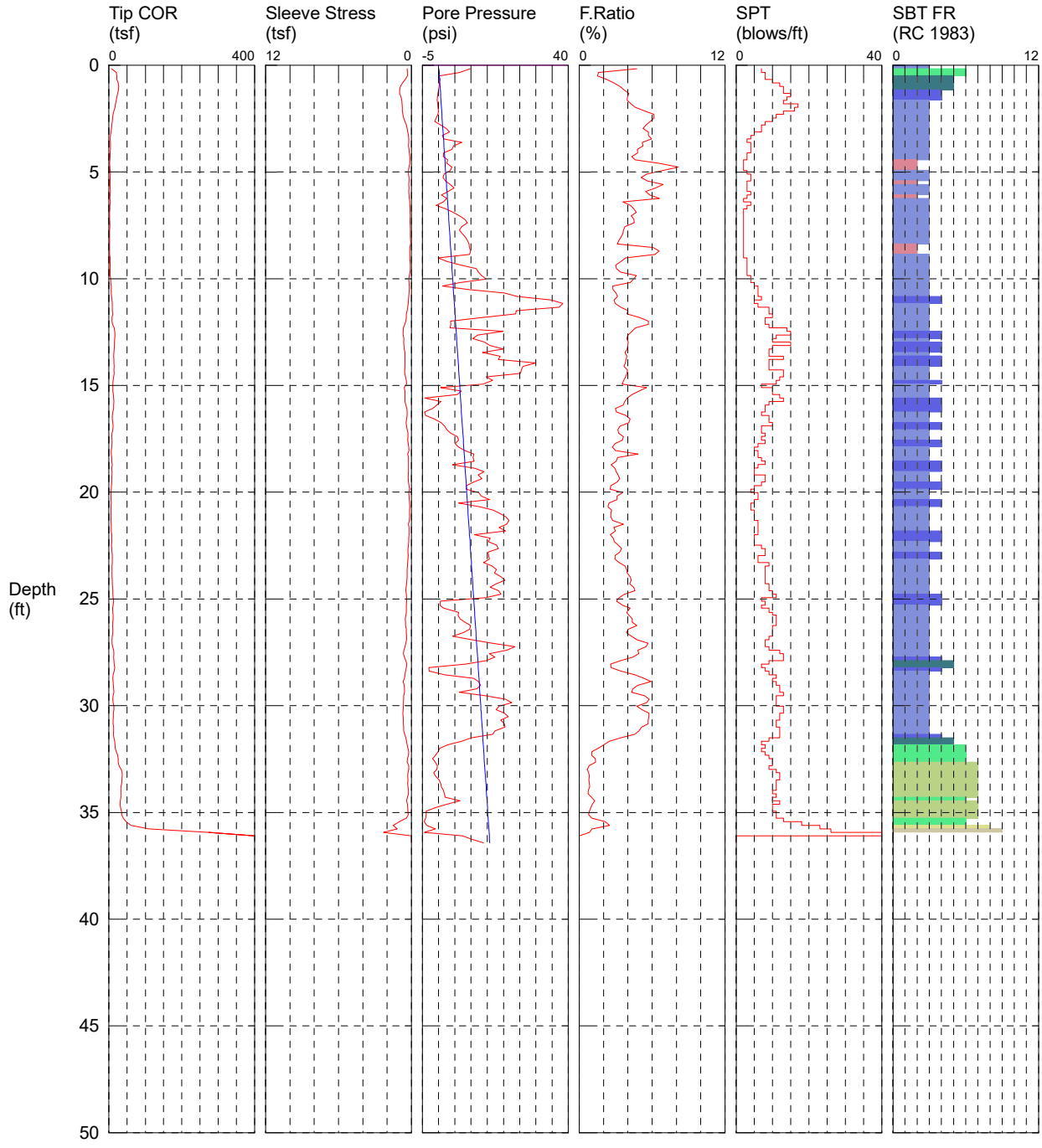
FIGURE A-5

SOUNDING

SOUNDING
CUSTOMER: Taber Drilling
OPERATOR: David
CONE ID: DDG1570
LOCATION:

JOB NUMBER:
HOLE NUMBER: CPT-1
TEST DATE: 9/8/2023 8:01:01 AM
COMMENT: Auto Enhance On
COMMENT: Filter On

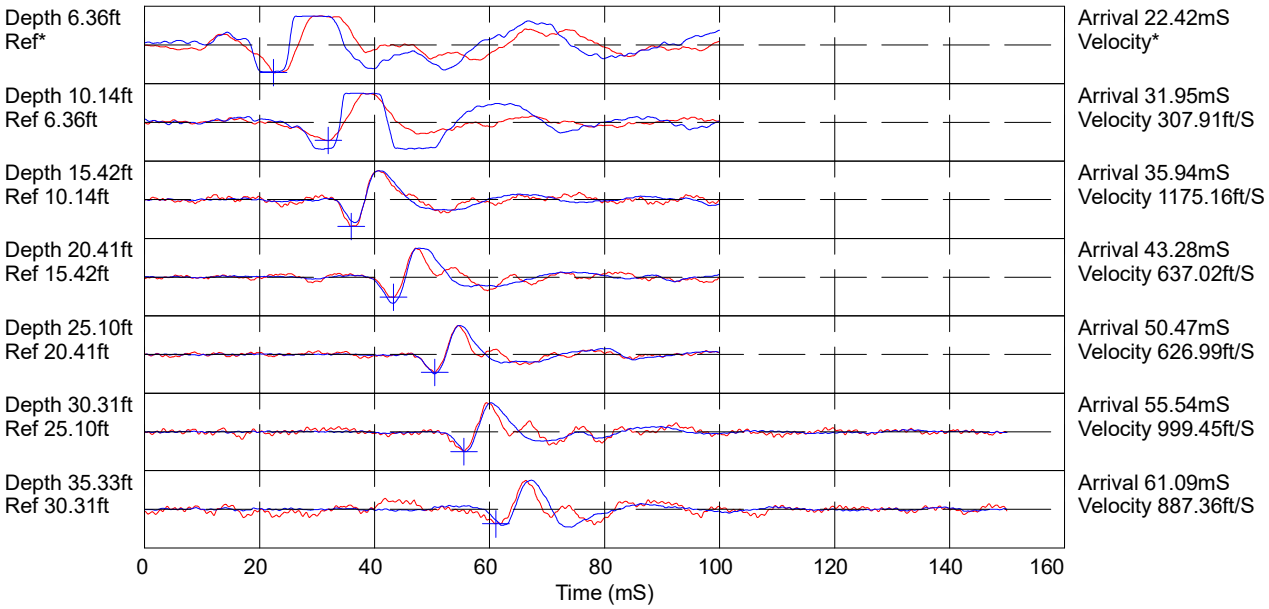
COMMENT:
GPS (LAT,LON,ALT): 0.00,0.00,0.0
LOCATION:
LOCATION:
LOCATION:



1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*SBT/SPT CORRELATION: UBC-1983

SEISMIC TEST



Hammer to Rod String Distance (ft): 6.56
* = Not Determined

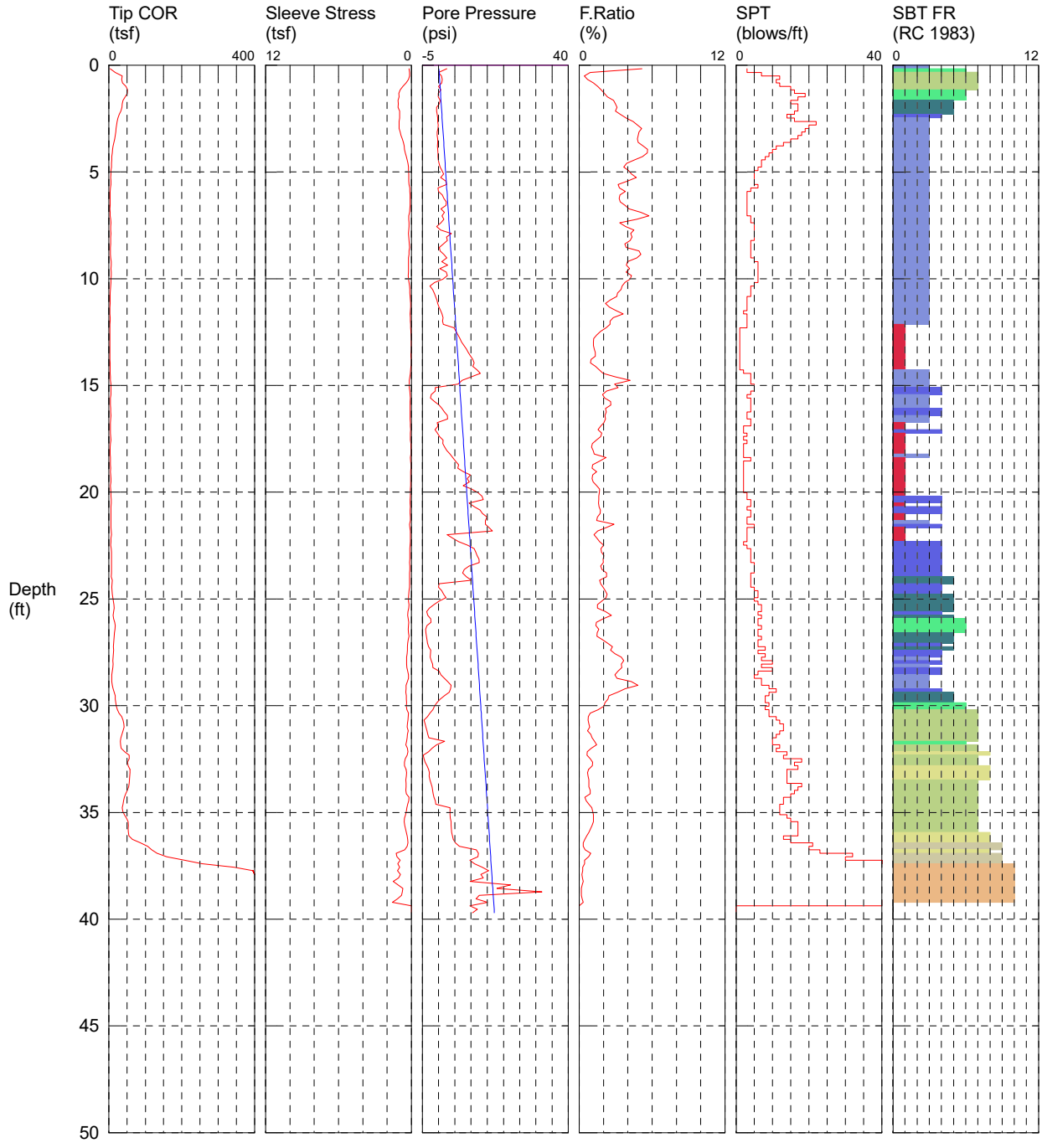
COMMENT:

SOUNDING

SOUNDING
CUSTOMER: Taber Drilling
OPERATOR: David
CONE ID: DDG1570
LOCATION:

JOB NUMBER:
HOLE NUMBER: CPT-2
TEST DATE: 9/8/2023 9:20:12 AM
COMMENT: Auto Enhance On
COMMENT: Filter On

COMMENT:
GPS (LAT,LON,ALT): 0.00,0.00,0.0
LOCATION:
LOCATION:
LOCATION:



1 sensitive fine grained
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8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*SBT/SPT CORRELATION: UBC-1983

SOUNDING

SOUNDING
CUSTOMER: Taber Drilling
OPERATOR: David
CONE ID: DDG1570
LOCATION:

JOB NUMBER:
HOLE NUMBER: CPT-3
TEST DATE: 9/8/2023 10:31:38 AM
COMMENT: Auto Enhance On
COMMENT: Filter On

COMMENT:
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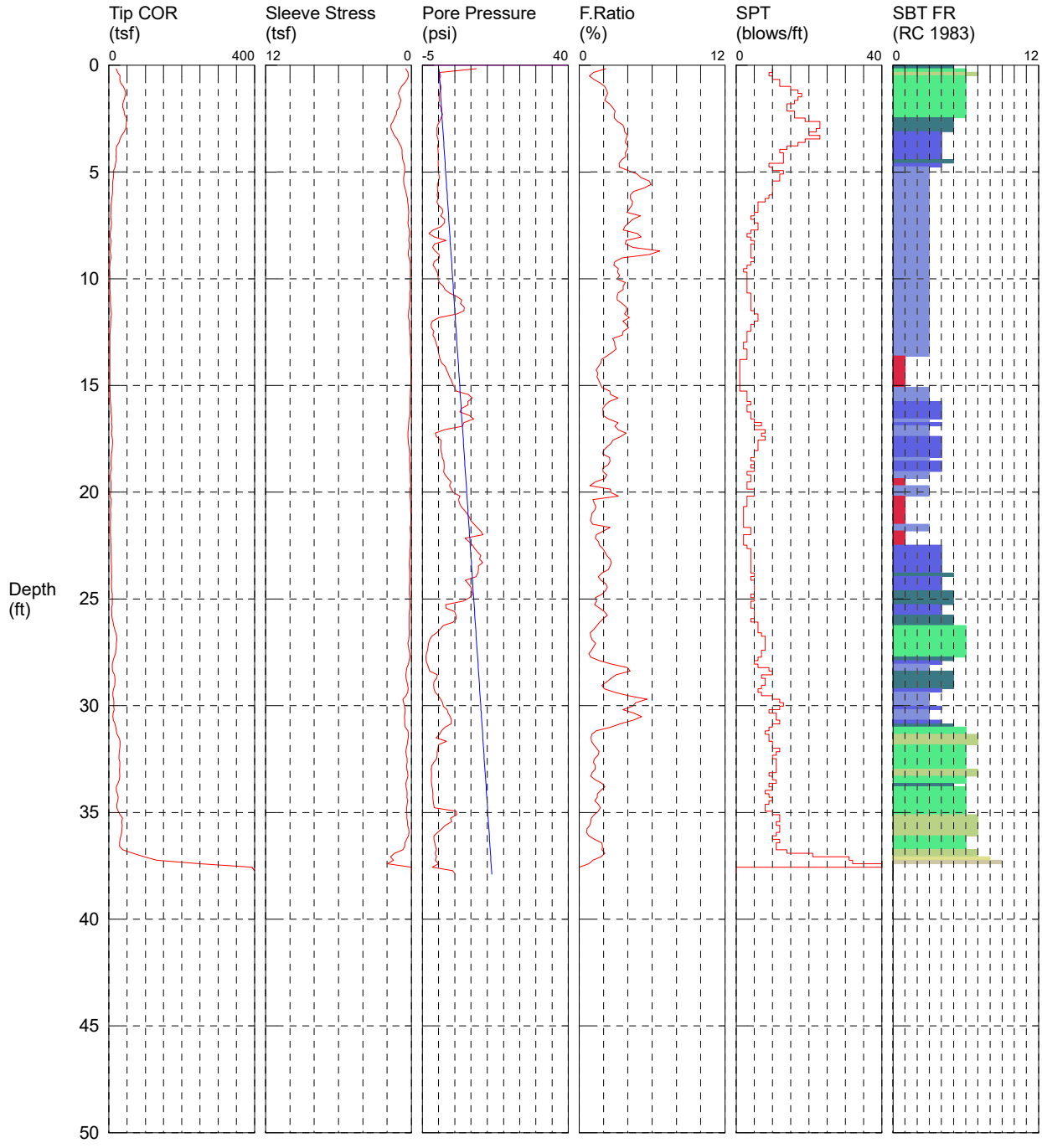

1 sensitive fine grained
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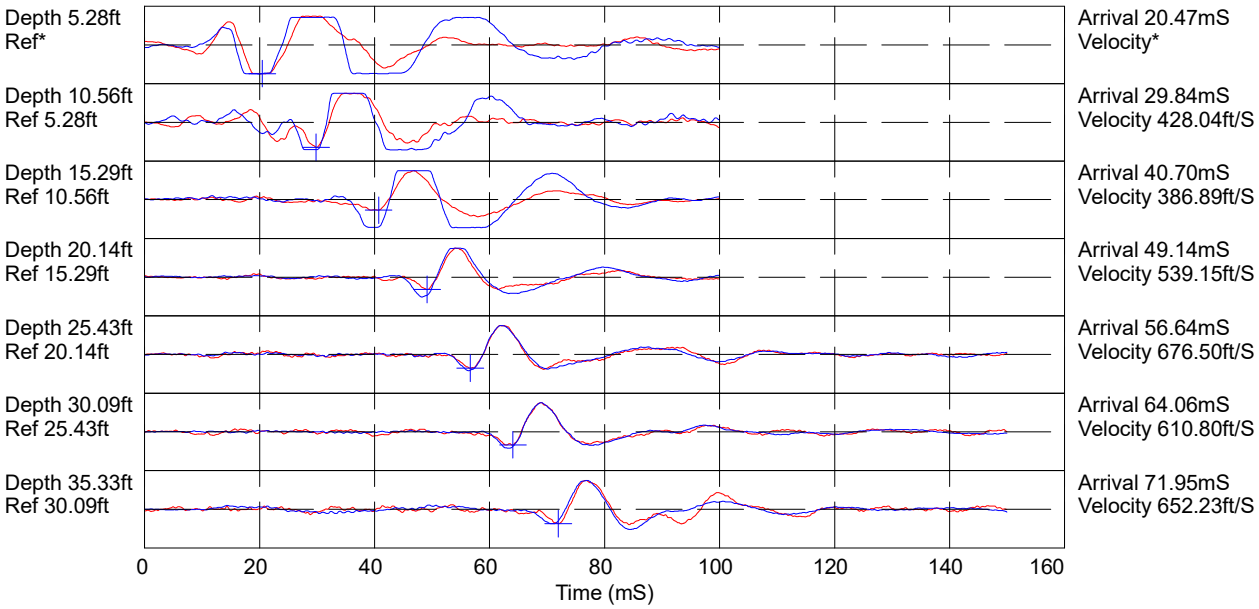
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*SBT/SPT CORRELATION: UBC-1983

SEISMIC TEST



Hammer to Rod String Distance (ft): 6.56
* = Not Determined

COMMENT:

SOUNDING

SOUNDING
CUSTOMER: Taber Drilling
OPERATOR: David
CONE ID: DDG1570
LOCATION:

JOB NUMBER:
HOLE NUMBER: CPT-4
TEST DATE: 9/8/2023 11:28:49 AM
COMMENT: Auto Enhance On
COMMENT: Filter On

COMMENT:
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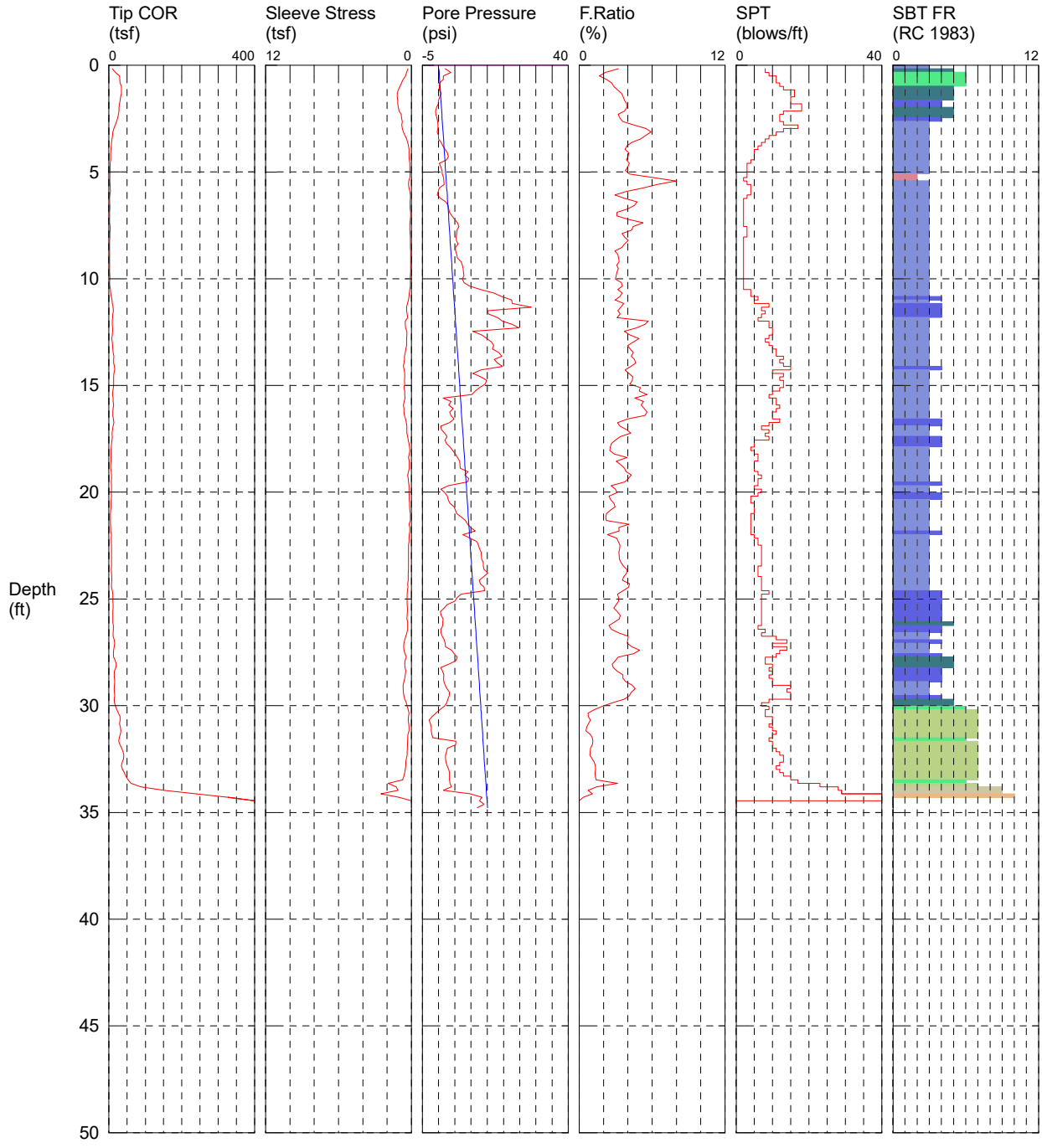
LOCATION:
LOCATION:



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4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

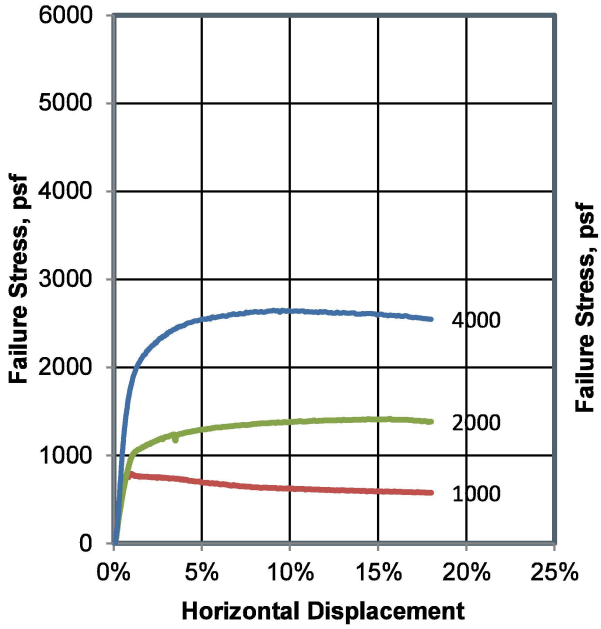
*SBT/SPT CORRELATION: UBC-1983

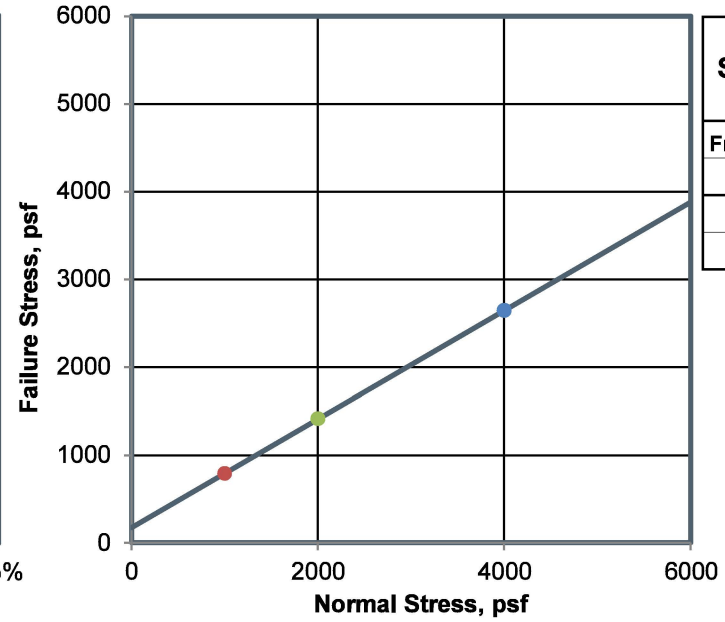
APPENDIX B

Laboratory Testing

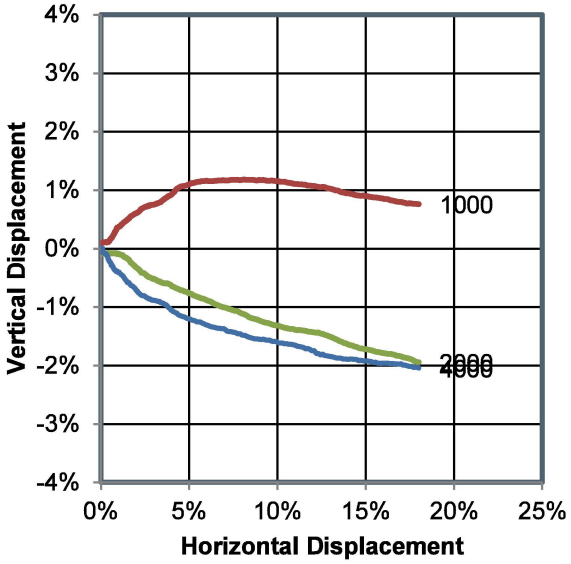
Direct Shear Test
Modified Proctor Test
Unconfined Compressive Strength Tests
No. 200 Wash Tests
Particle Size Analysis Tests
Atterberg Limits Tests
Corrosivity Tests

Direct Shear Test of Soils Under Consolidated Drained Conditions, ASTM D3080





Direct Shearbox Results	
Friction Angle	31.7°
Cohesion	174 psf



Test No.		1	2	3
Initial	Wet Density, pcf	107.4	107.4	107.4
	Dry Density, pcf	91.2	91.2	91.2
	Moisture Content, %	17.8	17.8	17.8
	Diameter, in	2.50	2.50	2.50
	Height, in	1.00	1.00	1.00
Pre Shear	Wet Density, pcf	121.6	122.5	121.4
	Dry Density, pcf	91.5	91.6	92.7
	Moisture Content, %*	32.9	33.8	30.9
	Diameter, in	2.50	2.50	2.50
	Height, in	1.00	1.00	0.98
Normal Stress, psf		1000	2000	4000
Failure Stress, psf		790	1415	2646
Failure Strain, %		0.96	15.68	9.07
Rate, in/min			0.001	

*Based on post shear moisture content

Sample Type: Remolded to 90% RC

Material Description: **Olive Brown Sandy CLAY**

Source: Curve 1

Notes: Gravel removed from test sample.

Sample No./Depth:	B-2 @ 0-5'			USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4	% Less than No. 200
Date Sampled:	9/8/2023	Date Test Started:	9/15/2023				2	81.3

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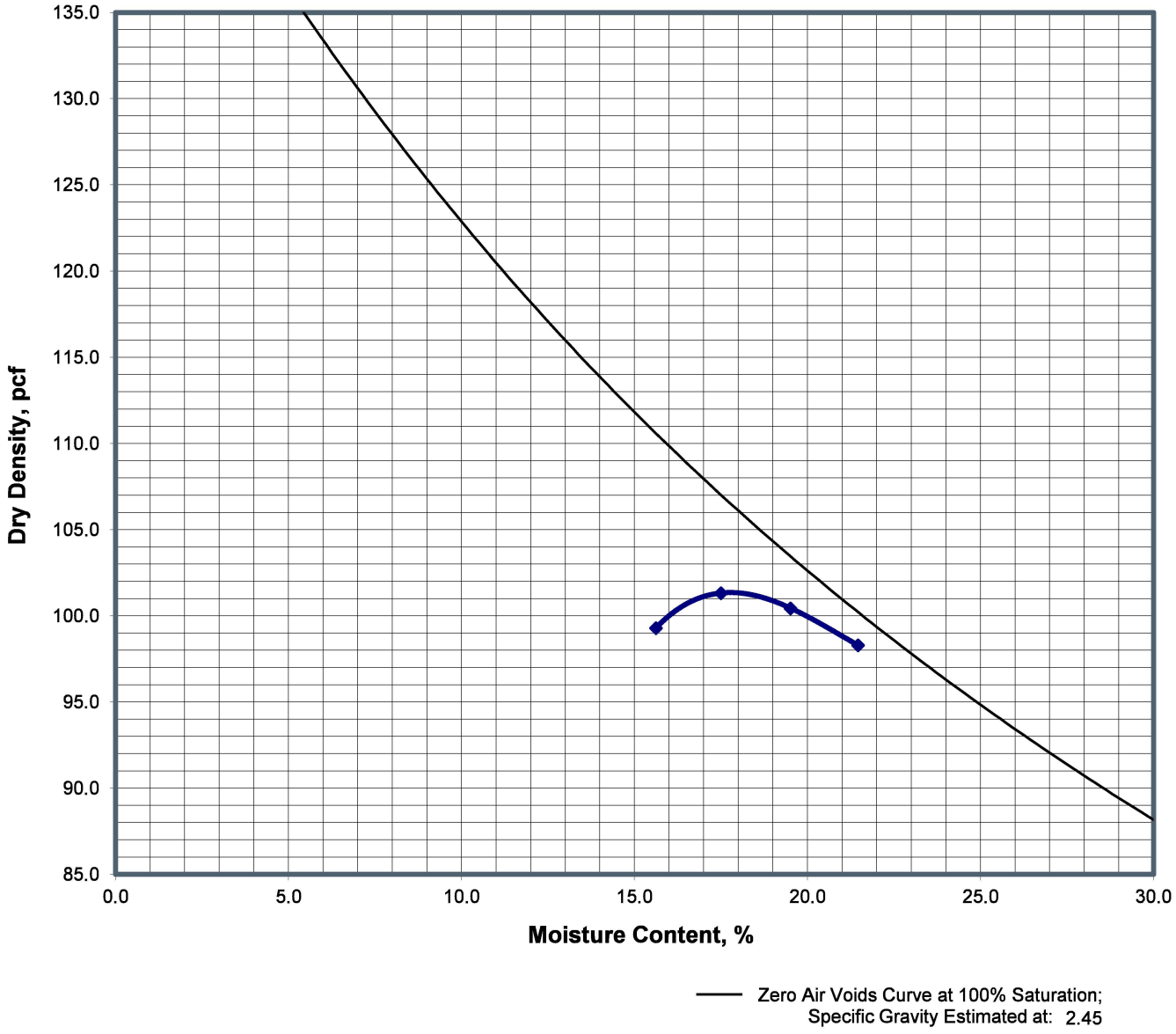
Project: **Banner Self-Storage Facility GES**

Project No.: **E23314.000**

Figure B-1

Reviewed By: DN Date: 9/19/2023

Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 lf-lbf/ft3), ASTM D1557, Method A



Maximum Dry Density, pcf: **101.3**	Optimum Moisture Content, %: **17.8**
Material Description: **Olive Brown Sandy CLAY**	
Source: B-2 @ 0-5'	
Notes:	

Sample No./Depth:	Curve 1			USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4 :	% Less than No. 200
Date Sampled:	9/8/2023	Date Test Started:	9/14/2023				2	81.3

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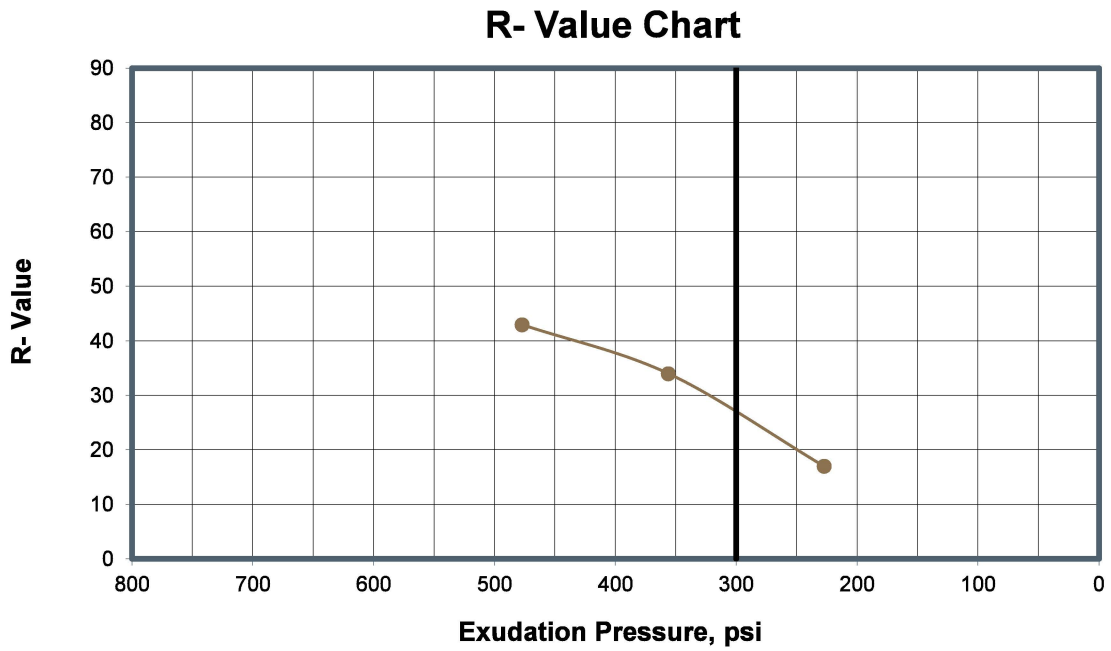
Project: **Banner Self-Storage Facility**			
Project No.: **E23314.000**			Figure B-2
Reviewed By: BLCC		Date: 9/15/2023	

Resistance "R" Value of Soil and Soil-Aggregate Mixtures, CTM 301



Test Specimen No.:	1	2	3
Moisture Content at Test, %	19.5	21.7	22.8
Dry Density at Test, pcf	105.7	103.1	101.5
Expansion Pressure, psf	1173	450	398
Exudation Pressure, psi	477	356	227
Resistance "R" Value	43	34	17
"R" Value at 300 psi Exudation Pressure			**27**

Material Description: **Olive Brown Sandy CLAY**

Source: B-2 @ 0-5'

Notes:

Sample No./Depth:	RV-1			USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4	% Less than No. 200
Date Sampled:	9/8/2023	Date Test Started:	9/18/2023				2	81.3

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Project: **Banner Self-Storage Facility GES**

Project No.: **E23314.000**

Figure B-3

Reviewed By: JLC Date: 9/19/2023

Unconfined Compressive Strength of Cohesive Soil, ASTM D2166

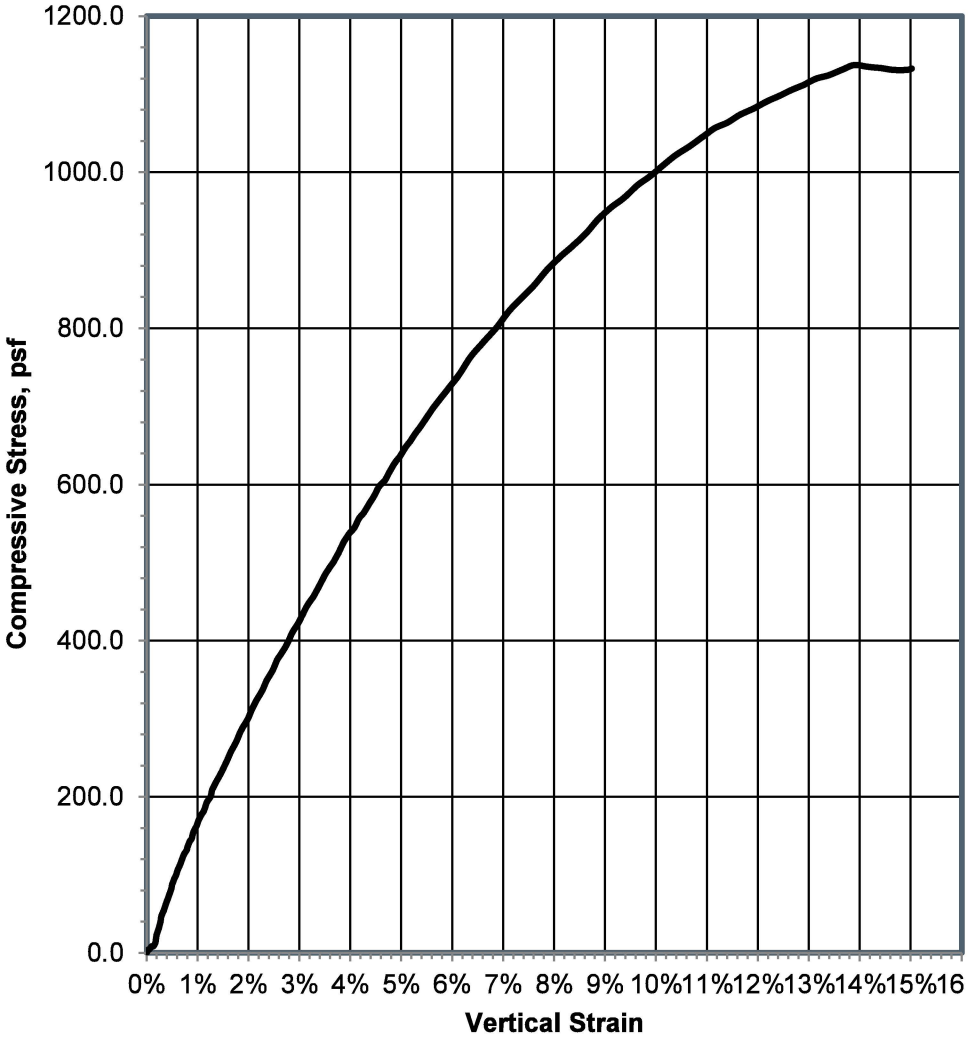

Image of Failed Specimen



Unconfined Compression Results			Specimen Parameters				
	Compression Strength	1137.5 psf	Wet Density, pcf	126.5	Diameter, in	2.39	
	Shear Strength	568.75 psf	Dry Density, pcf	96.9	Height/Diameter	2.3	
			Moisture Content, %	30.6	Strain Rate, %/min	2.0	
	Failure Strain, %	13.9 %	Saturation, %	Not Evaluated	Sensitivity:	Not Evaluated	
			Void Ratio	80.5	Specimen Type:	Insitu	
			Height, in	5.48			

Material Description: **Brown Sandy Lean CLAY**

Source:

Notes: *Moisture content based on after test sample.

Sample No./Depth:	B-1 @ 26-26.5'	USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4	% Less than No. 200
Date Sampled:	9/8/2023					
Date Test Started:	9/20/2023					

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Project:	Banner Self-Storage Facility GES	
Project No.:	E23314.000	Figure
Reviewed By: DN	Date: 9/21/2023	B-4

Unconfined Compressive Strength of Cohesive Soil, ASTM D2166

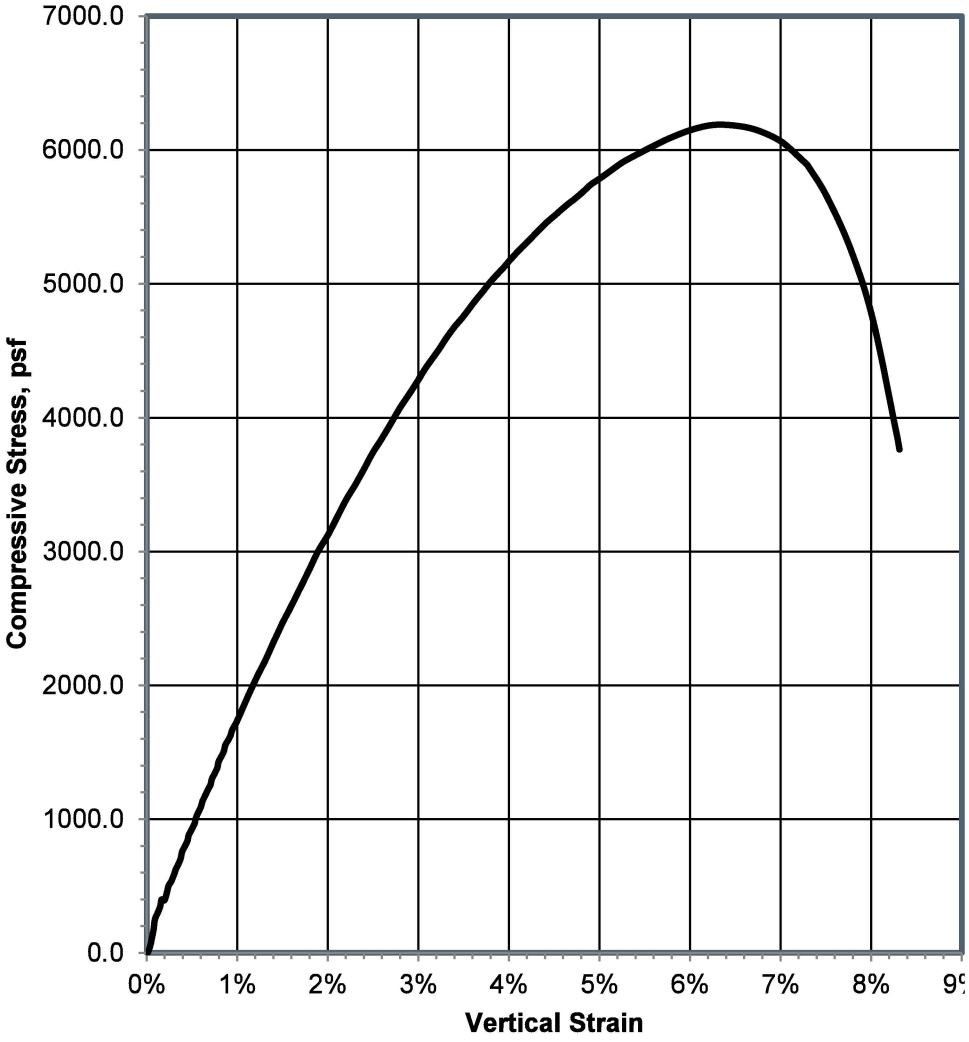

Image of Failed Specimen



Unconfined Compression Results			Specimen Parameters				
	Compression Strength	6185.5 psf		Wet Density, pcf	127.4	Diameter, in	2.40
				Dry Density, pcf	103.7	Height/Diameter	2.4
	Shear Strength	3092.75 psf		Moisture Content, %	22.8	Strain Rate, %/min	1.5
				Saturation, %	Not Evaluated	Sensitivity:	Not Evaluated
	Failure Strain, %	6.3 %		Void Ratio	75.7	Specimen Type:	Insitu
				Height, in	5.81		

Material Description: **Green Gray Lean CLAY with Sand**

Source:

Notes: *Moisture content based on after test sample.

Sample No./Depth:	B-1 @ 51-51.5'	USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4	% Less than No. 200
Date Sampled:	9/8/2023					
Date Test Started:	9/19/2023					

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Project:	Banner Self-Storage Facility GES	
Project No.:	E23314.000	Figure
Reviewed By: DN	Date: 9/21/2023	B-5

Amount of Material Finer than No. 200 (75-µm) Sieve in Soils by Washing, ASTM D1140, Method A

Sample No.	Depth	Sample Description	Material Finer than No. 200 Sieve, %
B-1	20.5-21'	Olive Gray SILT with Sand	72.5
B-1	50.5-51'	Green Gray Grading to Blue Gray Fat CLAY	88.0

Notes:

Date Sampled:	9/8/2023	Date Test Started:	9/14/2023

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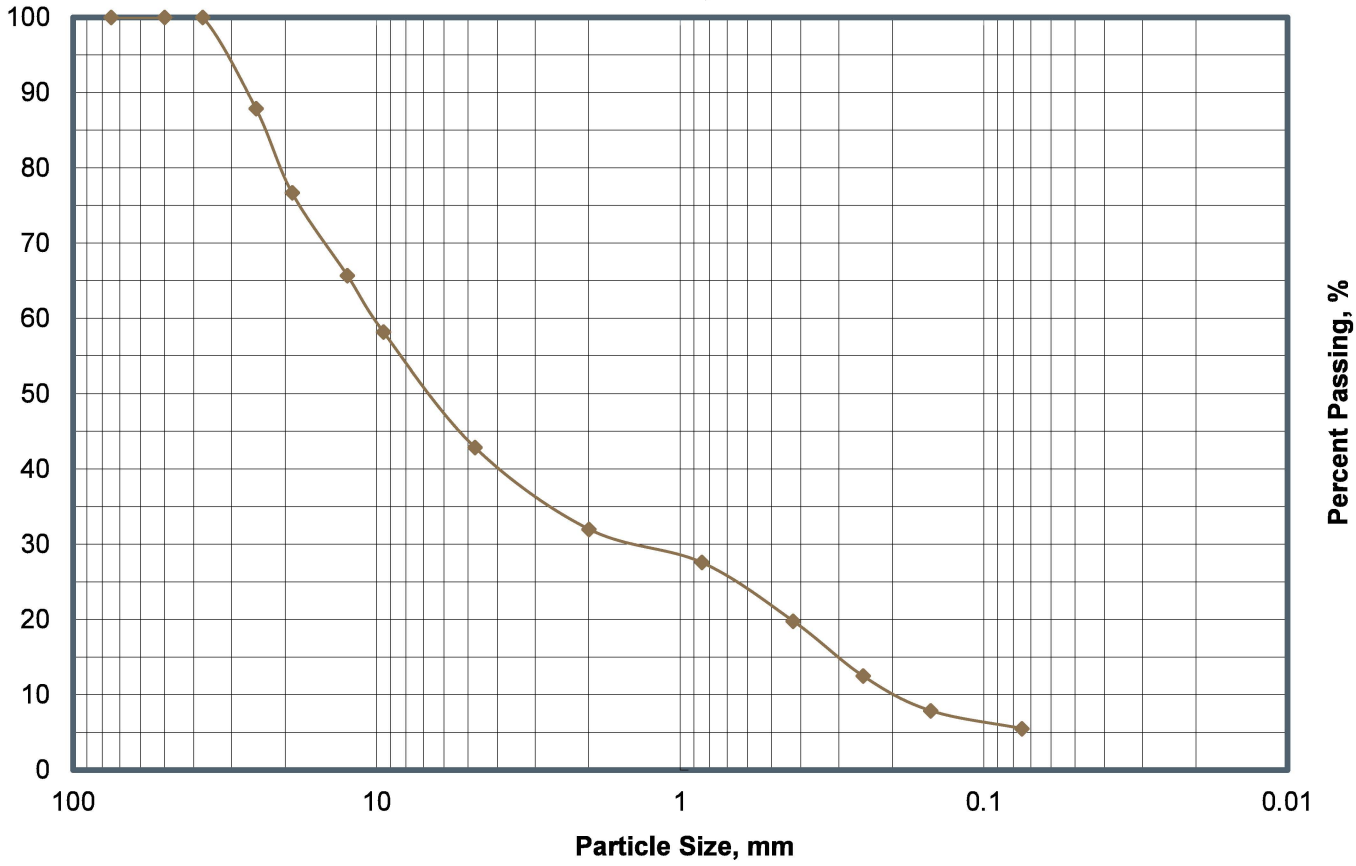
Project:	**Banner Self-Storage Facility**			
Project No.:	**E23314.000**			Figure
Reviewed By:	DN	Date:	9/15/2023	B-6

Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis, ASTM D6913, Method A



U.S. Standard Sieve Size	Combined % Passing	U.S. Standard Sieve Size	Combined % Passing
3 Inch (75 mm)	100	No. 4 (4.75 mm)	43
2 Inch (50 mm)	100	No. 10 (2 mm)	32
1 1/2 Inch (37.5 mm)	100	No. 20 (850 µm)	28
1 Inch (25 mm)	88	No. 40 (425 µm)	20
3/4 Inch (19 mm)	77	No. 60 (250 µm)	12
1/2 Inch (12.5 mm)	66	No.100 (150 µm)	8
3/8 Inch (9.5 mm)	58	No. 200 (75 µm)	5.5

Material Description: **Olive Gray Sandy GRAVEL**

Source:

Notes:

Sample No./Depth:	B-1 @ 40.5-41'	USCS Class.	Liquid Limit	Plasticity Index	% Great than No. 4	% Less than No. 200
Date Sample: 9/8/2023	Date Test Started: 9/15/2023				57	5.5

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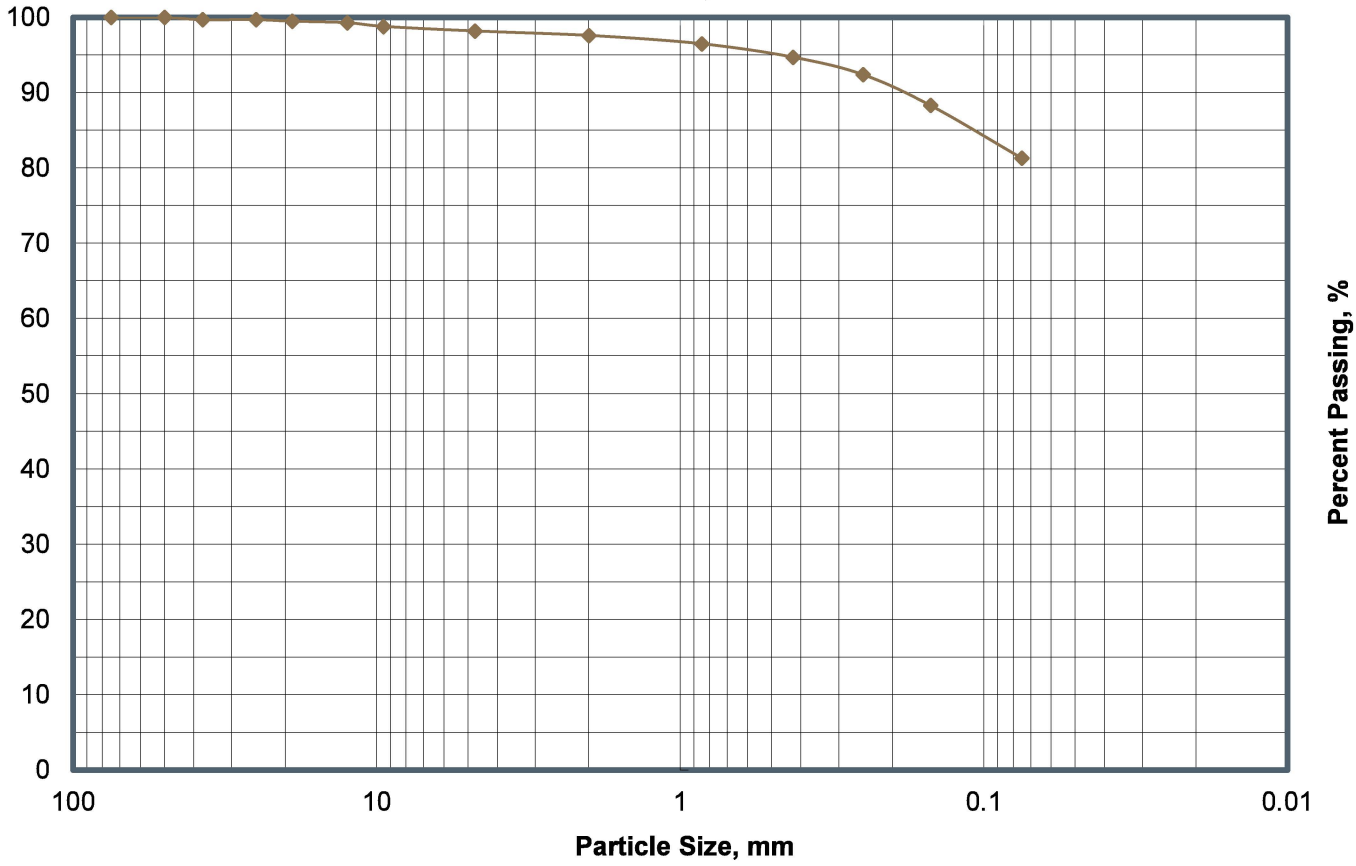
Project: **Banner Self-Storage Facility**

Project No.: **E23314.000**

Figure B-7

Reviewed By: DN Date: 9/15/2023

Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis, ASTM D6913, Method A



U.S. Standard Sieve Size	Combined % Passing	U.S. Standard Sieve Size	Combined % Passing
3 Inch (75 mm)	100	No. 4 (4.75 mm)	98
2 Inch (50 mm)	100	No. 10 (2 mm)	98
1 1/2 Inch (37.5 mm)	100	No. 20 (850 µm)	96
1 Inch (25 mm)	100	No. 40 (425 µm)	95
3/4 Inch (19 mm)	100	No. 60 (250 µm)	92
1/2 Inch (12.5 mm)	99	No.100 (150 µm)	88
3/8 Inch (9.5 mm)	99	No. 200 (75 µm)	81.3

Material Description: **Olive Brown Sandy CLAY**

Source:

Notes:

Sample No./Depth:	B-2 @ 0-5'			USCS Class.	Liquid Limit	Plasticity Index	% Great than No. 4	% Less than No. 200
Date Sample:	9/8/2023	Date Test Started:	9/13/2023				2	81.3

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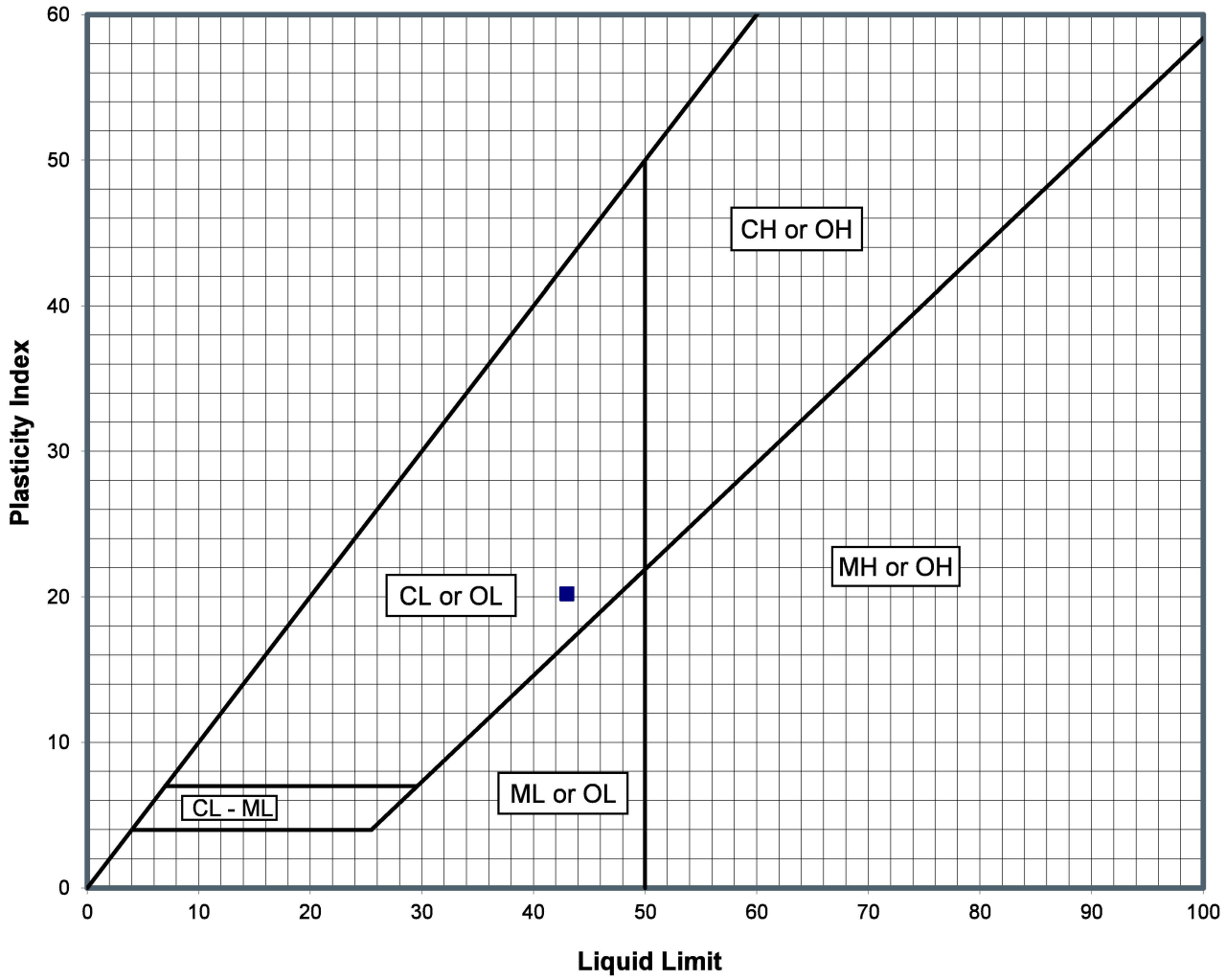
Project: **Banner Self-Storage Facility**

Project No.: **E23314.000**

Figure B-8

Reviewed By: DN Date: 9/15/2023

Liquid Limit, Plastic Limit, and Plasticity Index of Soils, ASTM D4318, Method A



Liquid Limit	Plastic Limit	Plasticity Index	Unified Soil Classification, ASTM D2487
43	23	20	CL

Material Description: **Gray Lean CLAY with Sand**

Source:

Notes:

Sample No./Depth:	B-1 @ 10.5-11'			USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4	% Less than No. 200
Date Sampled:	9/8/2023	Date Test Started:	9/18/2023	CL	43	20	0	78.7

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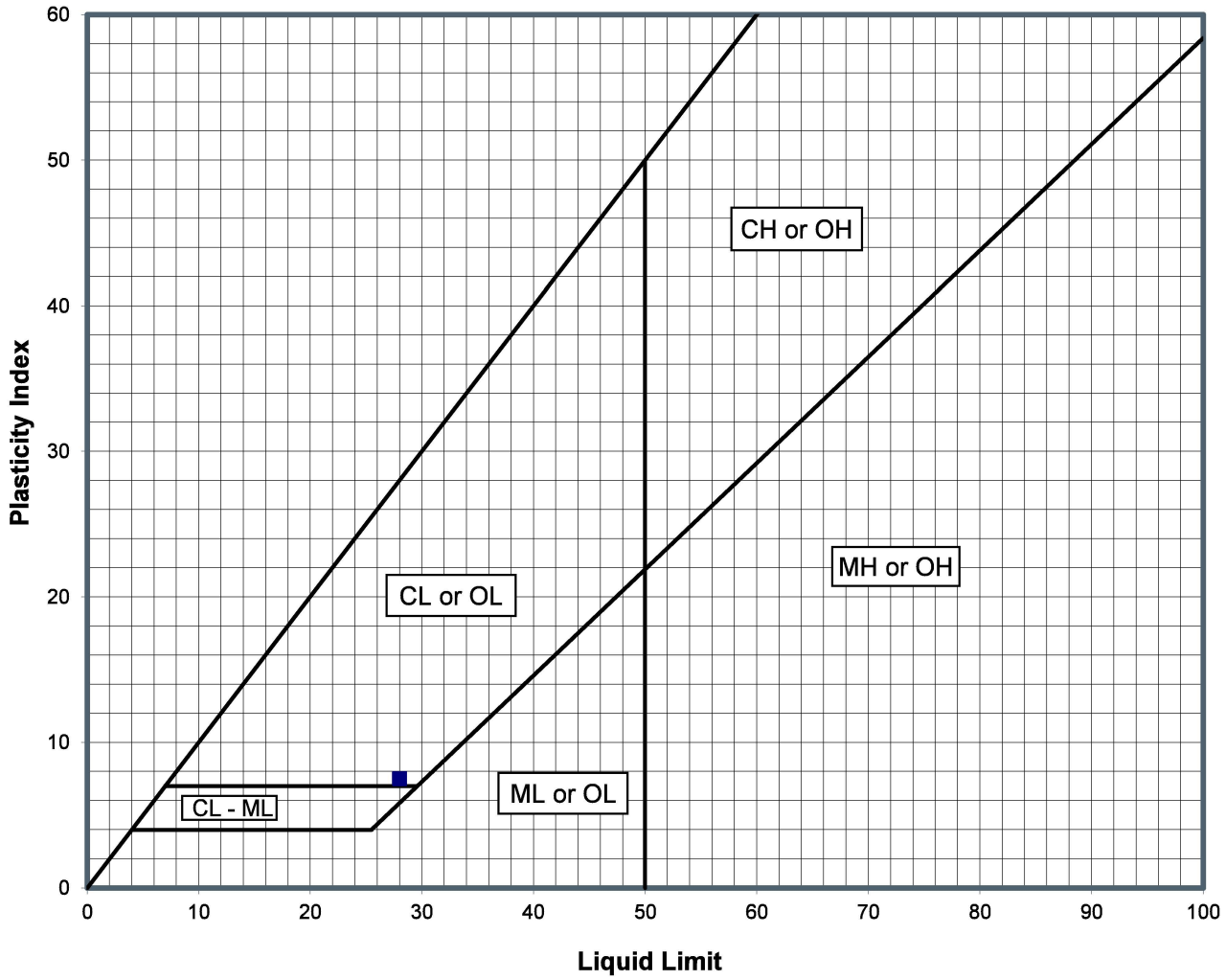
Project: **Banner Self-Storage Facility GES**

Project No.: **E23314.000**

Figure B-9

Reviewed By: DN Date: 9/19/2023

Liquid Limit, Plastic Limit, and Plasticity Index of Soils, ASTM D4318, Method A



Liquid Limit	Plastic Limit	Plasticity Index	Unified Soil Classification, ASTM D2487
28	21	8	CL

Material Description: **Brown Lean CLAY with Sand**

Source:

Notes:

Sample No./Depth:	B-1 @ 30.5-31'			USCS Class.	Liquid Limit	Plasticity Index	% Greater than No. 4	% Less than No. 200
Date Sampled:	9/8/2023	Date Test Started:	9/18/2023	CL	28	8	0	83.4

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Project: **Banner Self-Storage Facility GES**

Project No.: **E23314.000**

Figure B-10

Reviewed By: DN Date: 9/21/2023

Sunland Analytical

11419 Sunrise Gold Circle, #10
Rancho Cordova, CA 95742
(916) 852-8557

Date Reported 09/20/2023
Date Submitted 09/13/2023

To: Jeffry Cannon
Youngdahl Consulting Group
1234 Glenhaven Ct.
El Dorado Hills, CA 95630

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : E23314.000 Site ID : B-1 @ 10-10.5FT.
Thank you for your business.

* For future reference to this analysis please use SUN # 90574-187927.

EVALUATION FOR SOIL CORROSION

Soil pH	7.92	
Minimum Resistivity	1.07 ohm-cm (x1000)	
Chloride	48.2 ppm	00.00482 %
Sulfate	27.4 ppm	00.00274 %

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422m

Sunland Analytical

11419 Sunrise Gold Circle, #10
Rancho Cordova, CA 95742
(916) 852-8557

Date Reported 09/20/2023
Date Submitted 09/13/2023

To: Jeffry Cannon
Youngdahl Consulting Group
1234 Glenhaven Ct.
El Dorado Hills, CA 95630

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : E23314.000 Site ID : B-2 @ 3-3.5FT.
Thank you for your business.

* For future reference to this analysis please use SUN # 90574-187928.

EVALUATION FOR SOIL CORROSION

Soil pH	7.36	
Minimum Resistivity	1.69 ohm-cm (x1000)	
Chloride	14.8 ppm	00.00148 %
Sulfate	13.8 ppm	00.00138 %

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422m

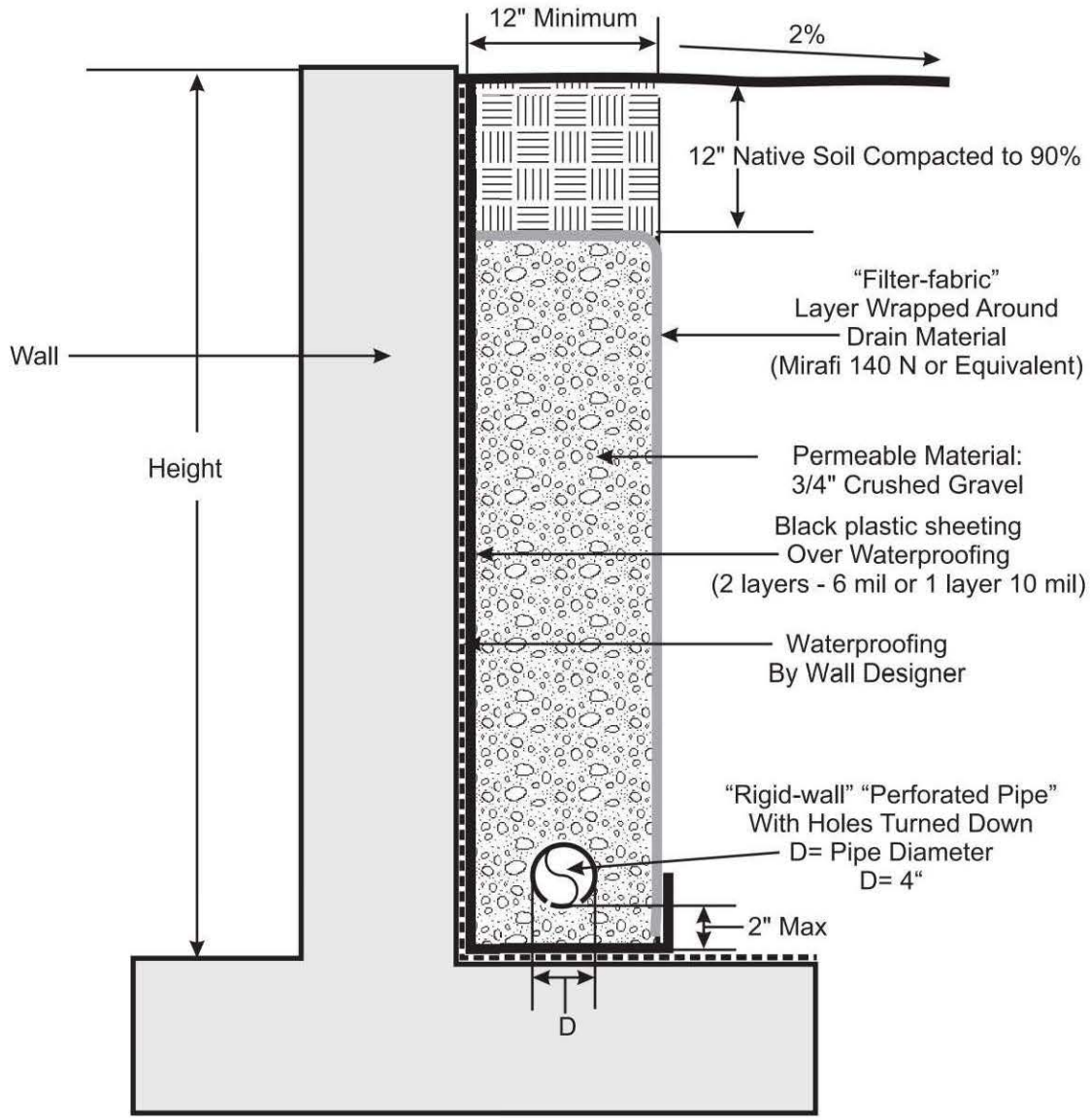
APPENDIX C

Details

Site Wall Drainage

Retaining Wall With "Perforated Pipe Sub-Drain"

(Typical Cross Section)



Notes:
1. Slope footing and "rigid-wall" pipes along flow line parallel to wall at least 1% gradient to drain to an appropriate outfall area away from residence.
2. Use "sweeps" for directional changes in pipe flow **(do not use 90°elbows)**.
3. Provide periodic "clean-outs".
4. Washed clean permeable material.

Not To Scale

YOUNGDAHL CONSULTING GROUP, INC. GEOTECHNICAL • ENVIRONMENTAL • MATERIALS TESTING	Project No.: E23314.000 **October 2023**	**RETAINING WALL DRAIN DETAIL** **Banner Self-Storage Facility** Sacramento, California	**FIGURE** **C-1**

APPENDIX D

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Phase I Environmental Site Assessment

1 Corporate Way
Sacramento, California

for
Sacramento Corporate Way, LLC

October 4, 2023

GeoEngineers
Earth Science + Technology

Phase I Environmental Site Assessment

1 Corporate Way
Sacramento, California

for
Sacramento Corporate Way, LLC

October 4, 2023

GeoEngineers

5820 South Kelly Avenue, Suite B
Portland, Oregon 97239
503.906.6577

Phase I Environmental Site Assessment

1 Corporate Way
Sacramento, California

File No. 27000-001-00

October 4, 2023

Prepared for:

Sacramento Corporate Way, LLC
570 Lake Cook Road, Suite 325
Deerfield, Illinois 60015

Attention: Margo Conley

Prepared by:

GeoEngineers, Inc.
5820 South Kelly Avenue, Suite B
Portland, Oregon 97239
503.906.6577



Chris W. Breemer, P.G.
Principal

SR:CWB:leh

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Table of Contents

ACRONYMS AND ABBREVIATIONS ..... **III**

EXECUTIVE SUMMARY **ES-1**

1.0 INTRODUCTION **1**

1.1. Phase I Scope of Services 1
1.2. Special Considerations 3

2.0 USER-PROVIDED INFORMATION **3**

2.1. Environmental Liens or AULs 3
2.2. Summary of Previous Reports 3

3.0 RECORDS REVIEW **3**

3.1. Location and Setting 3
3.2. Database Search 4
3.2.1. Database and Regulatory Findings for the Subject Property 4
3.2.2. Screening Criteria for other Listed Facilities 4
3.2.3. Database and Regulatory Findings for Screened Listed Facilities 5
3.3. Regulatory Agency File and Records Review 5
3.3.1. Review of State Files 6
3.3.2. Review of Local Regulatory Agency Files 6
3.3.3. Areawide Contamination 6
3.4. Historical Resources 6
3.4.1. Historical Property Ownership and Use Summary 7
3.4.2. Adjacent Properties 7

4.0 SITE RECONNAISSANCE **7**

4.1. Subject Property Observations 7
4.2. Adjacent Property and Vicinity Observations 9

5.0 INTERVIEWS **9**

5.1. Interview with the Key Site Manager/Owner 10
5.2. Interviews with Local Government Officials 10

6.0 EVALUATION **10**

6.1. Findings and Opinion 10
6.2. Data Gaps 10
6.3. Conclusions 11

7.0 LIMITATIONS AND GUIDELINES FOR USE **11**

7.1. Standard Limitations 11
7.2. Special Limitations 12

8.0 REFERENCES **13**

9.0 STATEMENT AND SIGNATURES OF ENVIRONMENTAL PROFESSIONAL **14**

9.1. Qualifications of Environmental Professional 14

LIST OF FIGURES

Figure 1. Site Vicinity
Figure 2. Site Layout
Figure 3 Representative Site Photographs

APPENDICES

Appendix A. Completed User Questionnaire
Appendix B. Title Report
Appendix C. ERIS Database Report
Appendix D. Selected Historical Research Documents
Appendix E. Environmental Professional Resumes

ACRONYMS AND ABBREVIATIONS

AAI – All Appropriate Inquiries

AST – Above ground Storage Tank

ASTM – ASTM International

AULs – Activity and Use Limitations

BFPP - Bona Fide Prospective Purchaser

CalEPA – California Environmental Protection Agency

CDL – Clandestine Drug Lab

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act

CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System

CREC – Controlled Recognized Environmental Condition

CSCSL – Confirmed and Suspected Contaminated Sites List

CUPA – Certified Unified Program Agency

DTSC – Department of Toxic Substances Control

EPA – U.S. Environmental Protection Agency

ERIS – Environmental Risk Information Service

ESA – Environmental Site Assessment

FINDS – Federal Records Facility Index System/Facility Registry System

HAZNET – California Hazardous Waste Information System

HMIRS – Hazardous Materials Information Reporting System

HREC – Historical Recognized Environmental Condition

HSL – Hazardous Sites List

HWG – Hazardous Waste Generator

ICIS – Integrated Compliance Information System

ICR – Independent Cleanup Report

LUST – Leaking Underground Storage Tank

MANIFEST – EPA Hazardous Waste Manifest System

NFA – No Further Action

NPDES – National Pollutant Discharge Elimination System

NPL – National Priorities List/Superfund List

PCBs – Polychlorinated Biphenyls

PG – Professional Geologist

RCRA – Resource Conservation and Recovery Act

REC – Recognized Environmental Condition

RWQCB – Regional Water Quality Board

USGS – United States Geological Survey

UST – Underground Storage Tank

VCP – Voluntary Cleanup Program

EXECUTIVE SUMMARY

This report summarizes the results of the Phase I Environmental Site Assessment (ESA) of the vacant property at 1 Corporate Way, Sacramento, California (the subject property). The Sacramento County parcel number for the subject property is 031-0051-019. The 98,881 square foot subject property is vacant, except for a storm drain inlet near the south border of the subject property.

The subject property was in agricultural use (pasture) by 1937 and remained in that use until sometime after 1981. By 1993, agricultural uses were terminated, and commercial buildings were established to the west, south, and east of the subject property. The subject property has remained undeveloped, and grass covered since agricultural uses were terminated.

Surrounding properties were in agricultural use by 1937 and remained in that use through 1981. In the early 1990s, Corporate Way and Park City Drive were constructed to the east and north of the subject property, respectively. Also, by that time, commercial buildings were constructed to the west and south of the subject property. By 2005, additional commercial development was ongoing north of the subject property, and an asphalt-concrete paved parking lot was built south of the subject property. In 2006, two smaller commercial buildings were constructed east of the subject property, across Corporate Way.

This assessment has revealed no recognized environmental conditions (RECs)[1], controlled RECs (CRECs), and/or significant data gaps in connection with the subject property.

It is possible that pesticides were applied to the Site when it was in use for agricultural purposes. Assuming that pesticides were applied in accordance with manufacturers' recommendations, the historical use of pesticides at the Site does not constitute an REC. The current and future risks associated with possible historical application of pesticides are considered low for two reasons. First, the Site has not been used for agricultural purposes for many years, thus, the concentrations of some chemicals may have attenuated. Second, under a future development scenario, most of the Site is expected to be covered with asphalt-concrete or Portland cement concrete surfaces. These surfaces will prevent exposure to underlying soil.

This Executive Summary should be used only in the context of the full report for which it is intended.

KEY DATES

Activity	Date
Date of earliest interview with owners, operators, and occupants	September 2, 2023
Date of search for environmental cleanup liens	July 31, 2023
Date of reviews of federal, tribal, state, and local records	September 1, 2023
Date of visual inspection of subject property and adjoining properties	September 7, 2023

[1] This report utilizes the definitions for recognized environmental conditions (RECs) per ASTM E 1527-21: "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A de *minimis* condition is not a recognized environmental condition."

1.0 INTRODUCTION

This report summarizes the results of our Phase I Environmental Site Assessment (ESA) of an approximately 98,881 square foot parcel at 1 Corporate Way, Sacramento, California. The property is identified as the "subject property" for the purposes of this Phase I ESA report. The subject property is currently owned by G&G Land, LLC and is currently vacant, except for a storm drain inlet near the south border of the subject property. The Sacramento County parcel number for the subject property is 031-0051-019. The subject property is shown relative to surrounding physical features in the Vicinity Map, Figure 1. The layout of the subject property and surrounding properties is shown in the Site Plan, Figure 2.

Our study was completed at the request of Margo Conley of Sacramento Corporate Way, LLC. We understand that Sacramento Corporate Way, LLC plans to acquire the subject property and that the results of this Phase I ESA will be used by Sacramento Corporate Way, LLC as part of their pre-acquisition evaluation of potential environmental liabilities associated with ownership of the subject property. This report has been prepared for the exclusive use of Sacramento Corporate Way, LLC. Because this environmental report is not intended for use by others, no one except Sacramento Corporate Way, LLC should rely on this report without first conferring with GeoEngineers.

1.1. Phase I Scope of Services

The purpose of this Phase I ESA is to identify recognized environmental conditions[2] (RECs) in connection with the subject property. Our scope of services is in general accordance with ASTM International (ASTM) Standard E 1527-21 for Phase I ESAs and the U.S. Environmental Protection Agency's (EPA's) Federal Regulation 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries (AAI)," which are intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser (BFPP) limitations on liability under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Our scope of services also meets ASTM Standard E 1527-21, which is currently pending AAI approval by EPA. Terms used in this report are consistent with the clarified definitions in ASTM E 1527-21. The ASTM standard outlines the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined by 42 U.S.C. §9601. Our services, described below, were completed in general accordance with our proposal dated August 25, 2023. These services were completed by, or under the direction of, an environmental professional as described in 40 CFR Part 312.

Our specific scope of services for this Phase I ESA was as follows:

1. Review readily available geotechnical reports, environmental reports and/or other relevant documents pertaining to environmental conditions at the subject property.
2. Review the results of a federal, state, local and tribal environmental database search provided by an outside environmental data service for listings of properties with known or suspected environmental

[2] This report utilizes the definitions for recognized environmental conditions (RECs) per ASTM E 1527-21: "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A de *minimis* condition is not a recognized environmental condition."

concerns on or near the subject property within the search distances specified by ASTM. Our database and file review search also included a review of EPA and State of California websites for readily available information (publications and reports) concerning areawide soil and groundwater contamination on or adjacent to the subject property.

3. Review user-provided information and evaluate the significance of any identified environmental liens or activity and use limitations (AULs).
4. Review regulatory agency files regarding listed properties of potential environmental concern relative to the subject property.
5. Identify a key site manager with specific knowledge of past and present property use and request that the key site manager meet a GeoEngineers' representative on-site for an interview during the visual site reconnaissance and/or an interview by telephone if he or she is not available during the site reconnaissance. We also identified and interviewed others familiar with the use and history of the subject property, as available and appropriate, including representatives of current occupants that likely use, store, treat, handle, or dispose of hazardous substances now or in the past.
6. Interview current owners or occupants of neighboring properties as necessary to gather information or fill property use data gaps regarding the subject property.
7. Interview past owners and occupants of the subject property as necessary to gather information or fill property use data gaps regarding property use history.
8. Interview a representative of the local fire department, health department and/or California Environmental Protection Agency (CalEPA) as necessary to gather information or fill data gaps regarding the history of the subject property and surrounding properties relative to the likely presence of hazardous substances.
9. Review historical aerial photographs, fire insurance maps, building department records, city directories, chain-of-title reports, and land use and tax assessor records, as available and appropriate, to identify past development history on and adjacent to the subject property relative to the possible use, generation, storage, release, or disposal of hazardous substances. We attempted to identify uses of the subject property from the present back to the time that records show no apparent structures on the subject property, back to the time that the property was first used for residential, agricultural, commercial, industrial, or governmental purposes, or back to 1940, whichever is earliest.
10. Review current United States Geological Survey (USGS) topographic maps to identify the physiographic setting of the subject property and provide a statement on the local geologic, soil and groundwater conditions based on our general experience and sources such as geologic maps and soil surveys.
11. Conduct a visual reconnaissance of the subject property and adjacent properties to identify visible evidence of RECs.
12. Identify the source(s) of potable water for the subject property and current heating and sewage disposal system(s) used at the subject property, if any, and their age if readily ascertainable.
13. Identify data gaps relative to the Phase I ESA study findings.
14. Provide a written summary of the Phase I ESA results and identified RECs, CRECs, HRECs and other *de minimis* conditions as appropriate, along with our opinion and recommendations regarding the potential for contamination by hazardous substances at the subject property and any significant data gaps identified.

1.2. Special Considerations

Our scope of services did not include an environmental compliance audit or an evaluation for the presence of lead-based paint, toxic mold, polychlorinated biphenyls (PCBs) in light ballasts, radon, lead in drinking water, asbestos-containing building materials, urea-formaldehyde insulation in on-site structures or debris or other potentially hazardous building materials. Soil, groundwater, soil vapor, indoor air or surface water sampling was not part of our Phase I ESA services.

2.0 USER-PROVIDED INFORMATION

We received responses to a user questionnaire, a copy of which is provided in Appendix A. According to the responses from the user-provided information (for example, review of title records for activity and use limitations and environmental liens, specialized knowledge or experience, commonly known information regarding the subject property, etc.), the user did not provide any specific findings that suggest a REC or potential REC relative to the subject property.

The User provided ALTA Commitment for Title Insurance, issued by Old Republic National Title Insurance Company, July 31, 2023. The report indicates that the subject property is owned by G&G Land, LLC. The title report does not include any information regarding environmental liens or AULs associated with environmental conditions at the subject property.

2.1. Environmental Liens or AULs

Environmental liens and AULs for the subject property were evaluated by reviewing the title report listed in Section 2.0 and by reviewing the Environmental Risk Information Service (ERIS) database report (see Section 3.0). No environmental liens or activity and use limitations were identified based on review of the title report. AULs were not identified based on review of the databases discussed in Section 3 of this report. The environmental lien search report is included in Appendix C.

A search of institutional control and engineering control registries was included in the database search report provided by a subcontracted regulatory list search service, ERIS. The database search report is included in Appendix C and is discussed in more detail in Section 3.2. The subject property was not listed on the institutional or engineering control registries.

2.2. Summary of Previous Reports

The User did not provide previous reports.

3.0 RECORDS REVIEW

3.1. Location and Setting

General information, property use(s) and environmental setting of the subject property area are summarized in Table I below. The location is shown relative to surrounding physical features in Figure 1. The current layout of the subject property and surrounding property uses are shown in Figure 2. Photographs of the subject property are shown in Figure 3.

TABLE I. SUBJECT PROPERTY INFORMATION

Topographic Map	USGS, 7.5-minute Sacramento East, California topographic quadrangle map dated 2022.
Address	1 Corporate Way, Sacramento, California
Tax Parcel Number	Sacramento County tax lot 031-0051-019
Approximate Area	2.27 Acres
Existing Use(s)	Vacant
Geologic Setting	Great Valley Geomorphic Province
Approximate Surface Elevation	9 feet above mean sea
Soil and Geologic Conditions	Egbert clay
Depth to Groundwater	Approximately 10 feet (inferred)
Inferred Direction of Shallow Groundwater Flow	Southwest

Our knowledge of the general physiographic setting, geology, and groundwater occurrence in the vicinity of the subject property is based on our review of the maps and reports listed (see References, Section 6.6), and our general experience in the area. The inferred depth to groundwater is based on data provided by the California Department of Water Resources California's Groundwater Live: Groundwater Levels website (California's Groundwater Live: Groundwater Levels (arcgis.com)), accessed September 26, 2023. Inferred groundwater flow direction is based on regional topography.

3.2. Database Search

GeoEngineers reviewed the results of a search of pertinent environmental regulatory lists and databases for current or previous facilities listed at addresses located within ASTM-specified distances from the subject property. The search was performed on September 1. 2023. The information reviewed was provided by a subcontracted regulatory list search service, ERIS. The ERIS report is presented in Appendix C. The report includes details regarding the listed facilities identified and maps showing the approximate locations of the listed facilities relative to the subject property.

GeoEngineers reviewed the search results for listings pertaining to the subject property. Adjacent and nearby listings within the ASTM-specified distances from the subject property were evaluated for potential impact to the subject property. Sites included in ERIS' "unplottable summary" (database entries that could not be mapped by ERIS because of insufficient addresses) were checked for facilities possibly located within ASTM-specified distances from the subject property.

3.2.1. Database and Regulatory Findings for the Subject Property

The subject property address was not included on the regulatory database lists.

3.2.2. Screening Criteria for other Listed Facilities

We screened the listed facilities within the ASTM search distances relative to the criteria described below. The results of the screening are presented in Section 3.2.3.

1. Adjacent Sites
    a. If adjacent sites were listed, they were retained for additional review.

2. Non-Adjacent Sites

    a. Any non-adjacent sites included in the ERIS report only by virtue of being listed in the RCRA, AST, UST, HMIRS, FINDS, HAZNET, MANIFEST, HWG, ICIS and/or NPDES databases (see list of acronyms on page iii) were not further reviewed because these databases are not indicative of known or suspected releases at a site. Sites listed in these databases only are considered low risk of contaminant migration and not potential RECs.

    b. A screening radius of approximately 1/4 mile was used to identify listed non-adjacent sites potentially warranting further review based on our knowledge of soil and groundwater conditions at the subject property. Specifically, sites within approximately 1/4-mile of the subject property and upgradient or cross-gradient that were listed in the Federal, State or Tribal Equivalent databases of CERCLIS, NPL, HSL, CSCSL, CSCSL NFA, VCP, ICR, Solid Waste Landfill, LUST, CDL, or Institutional Control Registries (see acronyms and abbreviations) were further reviewed because these databases indicate a reported known or suspected release at a site. We reviewed files for these facilities

    c. Sites that were not confirmed or suspected contaminated sites, not leaking UST sites or located outside a 1/4-mile radius from the subject property were generally considered low risk of contaminant migration and not potential RECs.

3.2.3. Database and Regulatory Findings for Screened Listed Facilities

The following database-listed site(s) (Table II) met the screening criteria described above. We reviewed files for these sites (Section 3.3).

No nearby or adjacent facilities were listed that in our opinion could pose a REC to the subject property. Other listed facilities identified in Appendix C either are located a significant distance from the subject property or are located in an inferred downgradient position relative to the subject property and are unlikely to pose a potential environmental concern to the subject property, in our opinion.

TABLE II. LISTED FACILITIES OF POTENTIAL CONCERN FOR CONTAMINANT MIGRATION

Listed Business	Listed Address	Distance from Site and Location	Type of Database and Database Information	Environmental Professional Opinion Based on Database Information
AT&T Mobility	7405 Greenhaven Drive	Adjacent and south	HAZ Sacramento	This facility is listed in the Sacramento County Hazardous Materials Facility List because hazardous materials are stored at the facility. No releases have been reported. This facility is not considered an REC in connection with the subject property.

3.3. Regulatory Agency File and Records Review

The facilities listed in the database report did not warrant a file review based on the information in the ERIS database report.

3.3.1. Review of State Files

GeoEngineers reviewed California Water Quality Control Board GeoTracker website to identify facilities in the vicinity of the subject property that may be considered RECs. No facilities of concern were identified based on the GeoTracker review.

3.3.2. Review of Local Regulatory Agency Files

GeoEngineers contacted Sacramento County Environmental Management and requested records related to the Active Hazardous Materials Inventory, Active Underground Storage Tanks, In-Active Underground Storage Tanks Inventory List, In-Active Hazards Materials Inventory List, or the Underground Storage Tank Historical Files. Sacramento County directed GeoEngineers to review the Sacramento County Certified Unified Program Agency website for pertinent files. No files were available for the subject property.

3.3.3. Areawide Contamination

GeoEngineers conducted a search of Regional Water Quality Board (RWQCB) and Department of Toxic Substances Control (DTSC) websites for readily available information (publications and reports) that may concern areawide soil and groundwater contamination on or adjacent to the subject property. Areawide contamination reports pertaining to the subject property vicinity were not identified.

3.4. Historical Resources

Our understanding of the history of the subject property is based on a review of the information from the historical resources listed in Table III. Selected historical research documents are included in Appendix D.

TABLE III. HISTORICAL RESOURCES REVIEWED

Description	Provider or Interviewee	Dates of Coverage or Dates of Knowledge of the Property	Date Reviewed or Contacted	Comment (See Section 3.4.1 for findings)
Historical Aerial Photographs[1]	ERIS	1937, 1947, 1952, 1961, 1971, 1981, 1993, 1998, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020, 2022	September 20, 2023	--
Historical Fire Insurance Maps	Historical ERIS Gatherers	No coverage	September 20, 2023	Sanborn maps are not available for the subject property.
Historical Topographic Maps[1]	ERIS Information Gatherers	1925 - 2022	September 26, 2023	--
City Directory Search	ERIS	Approximate 5-year intervals, 1925 to 2022	September 5, 2023	The subject property is not listed. Nearby facilities that may be RECs were not listed.

Description	Provider or Interviewee	Dates of Coverage or Dates of Knowledge of the Property	Date Reviewed or Contacted	Comment (See Section 3.4.1 for findings)
Active Storage Tank Facilities, Underground Storage Tank facilities, Hazardous substances and hazardous waste	Sacramento County Environmental Management	Unknown	September 7, 2023	No records were available for the subject property
Building Permits	City of Sacramento	Unknown	September 7, 2023	No permits were listed.

Notes:

[1] The scale of the maps/photographs reviewed allowed for an interpretation of general property development/configuration, such as identifying most structures, roadways and clearings. However, the scale of the maps/photographs did not allow for identification of specific property features, such as fuel pumps, wells or chemical storage areas on the subject property, if any.

3.4.1. Historical Property Ownership and Use Summary

The subject property was in agricultural use (pasture) by 1937 and remained in that use until sometime after 1981. By 1993, agricultural uses were terminated, and commercial buildings were established to the west, south, and east of the subject property. The subject property has remained undeveloped, and grass covered since agricultural uses were terminated.

3.4.2. Adjacent Properties

Surrounding properties were in agricultural use by 1937 and remained in that use through 1981. In the early 1990s, Corporate Way and Park City Drive were constructed to the east and north of the subject property, respectively. Also, by that time, commercial buildings were constructed to the west and south of the subject property. By 2005, additional commercial development was ongoing north of the subject property, and an asphalt-concrete paved parking lot was built south of the subject property. In 2006, two smaller commercial buildings were constructed east of the subject property, across Corporate Way.

4.0 SITE RECONNAISSANCE

4.1. Subject Property Observations

A representative of GeoEngineers, Phil Welker, performed a visual reconnaissance of the subject property on September 7, 2023. The GeoEngineers representative was unaccompanied during the site reconnaissance.

The subject property was accessed from Corporate Way. The subject property is undeveloped and consists of bare soil and grass. Several small piles of soil were observed at the subject property. The soil piles included small amounts of refuse, although no hazardous substances were observed in the soil and debris. A large storm drain inlet is near the southern boundary of the subject property. The drain appears to capture stormwater from parking lots at the south and west sides of the subject property.

Table IV below summarizes conditions observed during our site reconnaissance. The approximate locations of the observed features discussed in this section are shown in Figure 2. Photographs of the subject property were taken to document observations made during our reconnaissance. Photographs of the subject property are presented in Figure 3.

TABLE IV. SUMMARY OF SITE RECONNAISANCE OBSERVATIONS

Features	Observed		Comment
	Yes	No	
Current Uses, Roads, and Existing Structures		X	
Evidence of Past Uses and Former Structures		X	
Heating/Cooling System		X	
Floor Drains, Sumps or Drywells		X	
Aboveground Storage Tanks (ASTs)		X	
Underground Storage Tanks (USTs) or Evidence of USTs		X	
Drums or Other Bulk Containers		X	
Identified Hazardous Substances and Petroleum Products (other than drums noted above or *de minimis* quantities of cleaning products)		X	
Unidentified Substances or Containers		X	
Evidence of Leaks, Spills or Releases Surrounding ASTs, USTs and/or Chemical Storage Areas		X	
Stained or Corroded Floors, Walls or Drains (other than the above or apparent water stains or minor oil stains on pavement from parked vehicles)		X	
Hydraulic Hoists		X	
Oil/Water Separators		X	
Electric or Hydraulic Equipment Containing PCBs		X	
Discolored, Stained, or Stressed Soil or Vegetation Potentially from Hazardous Substances		X	
Solid Waste/Fill Material	X		Small piles of soil and refuse are present at the subject property.
On-site Septic or Sewage Disposal System		X	
Potable Water Supply		X	
Standing Water or Other Pooled Liquids		X	

Features	Observed		Comment
	Yes	No	
Catch Basins, Stormwater Drainage, or other Wastewater Discharges	X		A storm drain inlet is present near the south side of the subject property.
Pits/Ponds/Lagoons [3]		X	
Strong, Pungent or Noxious Odors		X	
Water Wells (agricultural, domestic, monitoring)		X	
Other Conditions of Environmental Concern		X	

4.2. Adjacent Property and Vicinity Observations

We viewed properties located adjacent to and surrounding the subject property from accessible public rights-of-way and the subject property. We did not enter adjacent properties or buildings. The subject property generally is situated in a mixed-use area. The properties adjacent to the subject property are described below.

TABLE V. ADJOINING STREETS AND ADJACENT PROPERTIES OBSERVATIONS

Direction	Adjoining Street	Position Relative to Subject Property[1]	Adjacent Property and Use	Comments
North	Corporate Way	Crossgradient/Upgradient	Merryhill School; Broadleaf Apartments; Edward Jones	
South	None	Crossgradient/Downgradient	Parking lot for Learning Repertoire Charter School	
East	Corporate Way	Upgradient/Crossgradient	Crusade Specific Chiropractic and vacant lot	
West	None	Crossgradient/Downgradient	Meals on Wheels	

Note:

[1] The inferred shallow groundwater flow direction in the vicinity of the subject property is toward the southwest, as described in Section 3.1.

5.0 INTERVIEWS

Our understanding of the history of the subject property presented in Section 3.0 is partially based on interviews with the individuals listed in Table VI. Pertinent historical findings from interviews have also been integrated into Section 3.4 above.

[3] As defined in ASTM 1527-21: "manmade or natural depressions in a ground surface that are likely to hold liquids or sludge containing hazardous substances or petroleum hydrocarbons."

TABLE VI. PERSONS INTERVIEWED

Agency Description	Provider or Interviewee	Dates of Coverage or Dates of Knowledge of the Property	Date Reviewed or Contacted	Comment
Key Site Manager and Current Owner	Joseph T Vida	2017 to present	September 2, 2023	Mr. Vida completed a questionnaire in lieu of an interview.
Interview	Sacramento County Environmental Management	Unknown	September 6, 2023	Sacramento County Environmental Management reported that they have no records for the subject property.

5.1. Interview with the Key Site Manager/Owner

The owner and Key Site Manager for the subject property, Mr. Joseph Vida, completed an Owner Questionnaire. Mr. Vida reported that his knowledge of the subject property extends to the date when he acquired the subject property (approximately 2017). Mr. Vida stated that he had no information about the property other than the names associated with the property transaction.

5.2. Interviews with Local Government Officials

GeoEngineers contacted Sacramento County Environmental Management, the local Certified Unified Program Agency (CUPA), to obtain information about possible storage, use, and disposal of hazardous substances and petroleum hydrocarbons at the subject property. Sacramento County Environmental Management reported that no records were available.

6.0 EVALUATION

6.1. Findings and Opinion

The subject property was in agricultural use (pasture) by 1937 and remained in that use until sometime after 1981. By 1993, agricultural uses were terminated, and commercial buildings were established to the west, south, and east of the subject property. The subject property has remained undeveloped, and grass covered since agricultural uses were terminated.

Surrounding properties were in agricultural use by 1937 and remained in that use through 1981. In the early 1990s, Corporate Way and Park City Drive were constructed to the east and north of the subject property, respectively. Also, by that time, commercial buildings were constructed to the west and south of the subject property. By 2005, additional commercial development was ongoing north of the subject property, and an asphalt-concrete paved parking lot was built south of the subject property. In 2006, two smaller commercial buildings were constructed east of the subject property, across Corporate Way.

6.2. Data Gaps

No significant data gaps were identified during this study.

6.3. Conclusions

GeoEngineers has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-21 of the property at 1 Corporate Way, Sacramento, California. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

This assessment has revealed no RECs, controlled RECs (CRECs), and/or significant data gaps in connection with the subject property.

It is possible that pesticides were applied to the Site when it was in use for agricultural purposes. Assuming that pesticides were applied in accordance with manufacturers' recommendations, the historical use of pesticides at the Site does not constitute an REC. The current and future risks associated with possible historical application of pesticides are considered low for two reasons. First, the Site has not been used for agricultural purposes for many years, thus, the concentrations of some chemicals may have attenuated. Second, under a future development scenario, most of the Site is expected to be covered with asphalt-concrete or Portland cement concrete surfaces. These surfaces will prevent exposure to underlying soil.

7.0 LIMITATIONS AND GUIDELINES FOR USE

These Limitations provide information to help you manage your risks with respect to the use of this report. Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology, and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

7.1. Standard Limitations

This Phase I ESA has been prepared for use by Sacramento Corporate Way, LLC. GeoEngineers has performed this Phase I ESA of the property at 1 Corporate Way, Sacramento, California in general accordance with the scope and limitations of our proposal dated August 25, 2023 and ASTM International (ASTM) E 1527-21, Standard Practice for Phase I ESAs and EPA's Federal Standard 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries (AAI)." This report has been prepared for the exclusive use of Sacramento Corporate Way, LLC. This report is not intended for use by others, and the information contained herein is not applicable to other properties. Our report was prepared for the exclusive use of our Client. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with the generally accepted environmental science practices for Phase I ESAs in this area at the time this report was prepared. No warranty or other conditions express or implied, should be understood.

Any electronic form, facsimile, or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

7.2. Special Limitations

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner or lessee may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project property. This report should not be applied for any purpose or project except the one originally contemplated. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- Not prepared for you,
- Not prepared for your project,
- Not prepared for the specific property explored, or
- Completed before important project changes were made.

If important changes are made to the project or subject property after the date of this report, GeoEngineers should be retained to review our interpretations and recommendations and to provide written modifications or confirmation, as appropriate.

GeoEngineers makes no warranties or guarantees regarding the accuracy or completeness of information provided or compiled by others. The information presented in this report is based on the above-described research and a single recent site visit. GeoEngineers has relied upon information provided by others in our description of historical conditions and in our review of regulatory databases and files. The available data do not provide definitive information with regard to all past uses, operations or incidents at the subject property or adjacent properties.

No ESA can wholly eliminate uncertainty regarding the potential for recognized environmental conditions (RECs) in connection with a property. Performance of an ESA study is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property. There is always a potential that areas with contamination that were not identified during this Phase I ESA exist at the subject property or in the study area. Further evaluation of such potential would require additional research, subsurface exploration, sampling and/or testing.

Some substances may be present in the vicinity of the subject property in quantities or under conditions that may have led, or may lead, to contamination of the subject property, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time (for example, a Phase I ESA report is typically applicable for 180 days), by events such as a change in property use or occupancy, or by natural events, such as floods, earthquakes, slope instability or groundwater fluctuations. If more than six months have passed since issuance of our report or work product, or if any of the described events may have occurred, please contact GeoEngineers before applying this report so that we may evaluate whether

changed conditions affect the continued reliability or applicability of our conclusions and recommendations.

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings, or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants and no conclusions or inferences should be drawn regarding Biological Pollutants, as they may relate to this project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts. If Client desires these specialized services, they should be obtained from a consultant who offers services in this specialized field.

We appreciate the opportunity to be of service to Sacramento Corporate Way LLC. Please call if you require more information or have questions regarding this report.

8.0 REFERENCES

ASTM International (ASTM) Standard E 1527-21 for Phase I ESAs.

Environmental Risk Information Services (ERIS). 2023. Database Report dated September 1, 2023 (comprehensive environmental database report, including California and EPA databases).

Old Republic National Title Insurance Company, 2023. ALTA Commitment for Title Insurance. July 31, 2023.

U.S. Environmental Protection Agency (EPA) Federal Standard 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries (AAI).

9.0 STATEMENT AND SIGNATURES OF ENVIRONMENTAL PROFESSIONAL

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Sec. 312.10 of 40 CFR Part 312."*

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."*

**A person who does not qualify as an Environmental Professional may assist in the conduct of all appropriate inquiries in accordance with ASTM E 1527-13 and ASTM E 1527-21, if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional when conducting such activities.*



Chris W. Breemer, P.G.
Principal

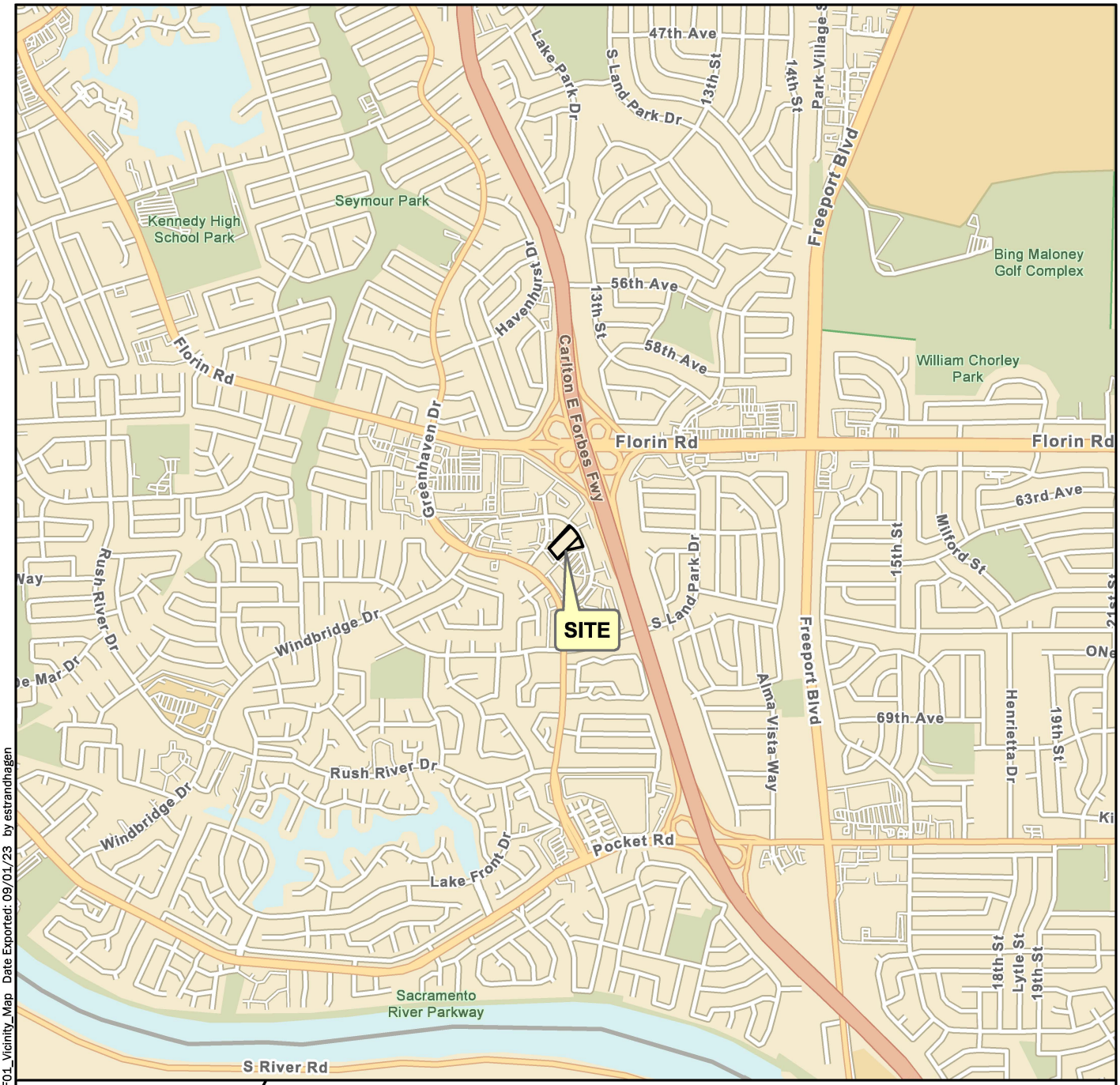
9.1. Qualifications of Environmental Professional

Chris Breemer is a Professional Geologist (PG) in California and has more than 20 years of full-time experience preparing Phase I ESAs.

A resume for Chris Breemer is presented in Appendix E.

FIGURES

GeoEngineers



Vicinity Map

1 Corporate Way
Sacramento, California

GeoEngineers

Figure 1

Source(s):
- ESRI

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

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Photograph 1. View from the north side of the subject property, looking southwest.



Photograph 2. View from the south side of the subject property, looking north.

Representative Site Photographs

1 Corporate Way
Sacramento, California

GeoEngineers

Figure 3A

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Photograph 3. View from southwest side of property facing northeast towards Corporate Way.



Photograph 4. View from northwest side of property facing east.

Representative Site Photographs

1 Corporate Way
Sacramento, California

GeoEngineers

Figure 3B

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

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Photograph 5. View of debris piles and staking from sidewalk along Corporate Way facing southwest.



Photograph 6. Closeup of debris pile present on northern portion of property with view facing north.

Representative Site Photographs

1 Corporate Way
Sacramento, California

GeoEngineers

Figure 3C

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

27000-001-00 Date Exported: 10/04/23

APPENDICES

GeoEngineers

APPENDIX A
Completed User Questionnaire

PHASE I ESA USER QUESTIONNAIRE
1 CORPORATE WAY
SACRAMENTO, CALIFORNIA
SACRAMENTO COUNTY PARCEL NO. 427-171-25
FILE NO. PENDING

In order to qualify for one of the federal landowner liability protections, and to enable us to fully address the objectives of the Phase I ESA, please complete the questionnaire below to the best of your knowledge and provide the additional information requested.

Environmental Liens and Activity and Use Limitations (AULs)

Answer questions 1 and 2 below through review of one of the two methods below. Please indicate the method used and provide us copies of the relevant title documents:

a. Review of preliminary title report or title commitment

b. Review of title search information report such as recorded documents back to 1980

1. Are you aware of any environmental cleanup liens against the subject property that are filed or recorded under federal, tribal and state or local law?

   ☐ YES ☑ NO ☐ DON'T KNOW Explain:

2. Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

   ☐ YES ☑ NO ☐ DON'T KNOW Explain:

Specialized and/or Commonly Known Knowledge, Experience, and Information

3. As the user of this Phase I ESA, do you have any specialized knowledge or experience related to the subject property, nearby properties, or potential current or past uses of these 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 ☐ DON'T KNOW Explain:

4. Are you aware of commonly known or reasonably ascertainable information about the subject property that would help us identify conditions indicative or releases or threatened releases? For example,

   a. Do you know the past uses of the property?

      ☐ YES ☐ NO ☑ DON'T KNOW Explain: This appears to be a green field site without recent development since as far back as 1985 per Google Earth

   b. Do you know of specific chemicals that are present or once were present on the property?

      ☐ YES ☑ NO ☐ DON'T KNOW Explain:

   c. Do you know of spills or other chemical releases that have taken place at the property?

      ☐ YES ☑ NO ☐ DON'T KNOW Explain:

   d. Do you know of any environmental cleanups that have taken place at the property?

      ☐ YES ☑ NO ☐ DON'T KNOW Explain:

5. Based on your knowledge and experience related to the subject property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

   ☐ YES ☑ NO ☐ DON'T KNOW Explain:

Purchase Price

6. Does the purchase price being paid for the subject property reasonable reflect the fair market value of the property?

   ☐ YES ☑ NO ☐ DON'T KNOW Explain:

   a. If you conclude that there is a difference and you answered NO above, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

      ☐ YES ☐ NO ☐ DON'T KNOW Explain:

User Questionnaire Completed By (Name and Organization): Chris Tramonte, Sacramento Corporate Way, LLC

Date: 9/8/2023

List of Requested Information, If Available

- Names and phone numbers of key individuals with knowledge of property use history.
- A map showing the boundaries of the subject property.
- Tax ID numbers for parcels included within the subject property.
- Copies of any past environmental site assessment and/or audit reports or risk assessment studies.
- Environmental permits.
- Registrations for underground and aboveground storage tanks (if any).
- Material data safety sheets for hazardous substances used or stored on-site (if any).
- Community right-to-know plans pertaining to the subject property.
- Safety plans pertaining to on-site facilities.
- Reports regarding geotechnical and/or hydrogeologic conditions at or near the subject property.
- Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the subject property or relating to environmental liens encumbering the property.
- Environmental Liens or Recorded Activity Use Limitations (AULs)
- Chain-of-Title or other Title Report documents

APPENDIX B
Title Report

File No. 300835

ALTA Commitment for Title Insurance

Issued By Old Republic National 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 EXTRA CONTRACTUAL 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, Old Republic National Title Insurance Company, a Florida 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 6 months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

This page is only a part of a 2016 ALTA Commitment for Title Insurance. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I – Requirements; and Schedule B, Part II – Exceptions.

Issued through the Office of
Old Republic National Commercial Title Services
521 Fifth Avenue, 23rd Floor
New York, NY 10175
Phone: 212-599-1300

OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
A Stock Company
400 Second Avenue South, Minneapolis, Minnesota 55401
(612) 371-1111

Richard M. Schlow
Authorized Signatory

By C Monroe *President*

Attest David Wold *Secretary*

ORT Form 4690 8-1-16
ALTA Commitment for Title Insurance

DIRECT ALL INQUIRIES TO:
Old Republic National Title Insurance Company
2 Hudson Place, 5th Floor, Hoboken, NJ 07030
Phone: 201-610-9455
Title Processor Email: dgioia@oldrepublictitle.com

File No: **300835**

SCHEDULE A

THIS COMMITMENT IS NOT A TITLE INSURANCE POLICY! READ THE EXCEPTIONS AND THE TERMS SHOWN OR REFERRED TO HEREIN CAREFULLY. THE COMMITMENT MAY SET FORTH EXCLUSIONS UNDER THE TITLE INSURANCE POLICY AND MAY NOT LIST ALL LIENS, DEFECTS, AND ENCUMBRANCES AFFECTING TITLE TO THE PROPERTY. THE EXCEPTIONS ARE MEANT TO PROVIDE YOU WITH NOTICE OF MATTERS WHICH ARE NOT COVERED UNDER THE TERMS OF THE TITLE INSURANCE POLICY AND SHOULD BE CAREFULLY CONSIDERED.

1. Effective Date: July 31, 2023 at 5:00pm

2. Policies to be Issued:

   (a) ALTA OWNER'S POLICY (06/17/06) Amount: To Be Determined
   Proposed Insured:

   To Be Determined

   (b) ALTA LOAN POLICY (06/17/06) Amount: To Be Determined
   Proposed Insured:

   To Be Determined, its successors and/or assigns as their interests may appear

3. The estate or interest in the land described or referred to in this Commitment is Fee Simple.

4. Title to the Fee Simple estate or interest in the land is at the Effective Date vested in:

   G&G Land, LLC, A California limited liability company

   Source of Title: Grant Deed made by Cal Sierra Limited, L.P., a California limited partnership and Hilbers-Jones Properties, a California general partnership, as Grantors, dated January 26, 2017 and recorded January 31, 2017 in Book 20170131, Page 1111.

5. The land referred to in this Commitment is situated in the County of Sacramento, State of California, and described in the Legal Description attached hereto as Schedule A - Legal Description.

For Information Only:
Property Address: Corporate Way Yuba City, CA
Parcel ID No.: 031-0051-019-0000

SCHEDULE B - PART I
REQUIREMENTS

The following requirements must be met:

1. 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.

2. Pay the agreed amount for the estate or interest to be insured.

3. Pay the premiums, fees, and charges for the Policy to the Company.

4. 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.

5. Closing Affidavit, in form acceptable to the Company, must be executed at closing.

6. Pay all taxes, sewer, water and other charges, and assessments, levied and assessed against the subject premises, which are due and payable. General and special taxes and assessments as follows:

   Property Address: Corporate Way Yuba City, CA
   Parcel ID No.: 031-0051-019-0000

   Real Estate Taxes for the year of 2022/23:

   1st Installment: $6,126.47 Due:12/10/2022Paid
   2nd Installment:$6,126.47 Due:4/10/2023 Paid

   Total Assessed Value: $1,003,965.00

   See Tax Search herein attached

7. The Company must be informed, prior to closing, of any alterations, repairs or new construction in progress, recently completed or contemplated, at which time additional requirements may become necessary.

8. If survey coverage is desired, an acceptable ALTA survey certified to Old Republic National Title Insurance Company must be provided.

9. Evidence satisfactory that the required partnership or corporate acts of:
   G&G Land, LLC, A California limited liability company

   are duly authorized. This includes but is not limited to the following:

   A. Current Certificate from the Secretary of State or equivalent department of California is required or other evidence that said organization is a valid and subsisting organization, qualified to do business in this State.

B. Articles of Organization, Operating/Partnership Agreement, By-Laws, as applicable, must be produced and reviewed prior to closing, additional exceptions may be raised.

C. Proof is required that there has been no change in the make-up or composition of the organization and that there have been no amendments made to the Articles of Organization, Operating and Agreement, By-Laws, as applicable.

D. Proof is required that the party or parties executing instruments on behalf of the organization have the authority to act.

10.

A. Proof must be furnished that the proposed transaction has been duly authorized pursuant to the applicable statute of the state of its organization and the transactions that will be subject of the Company's policy(ies) have been duly authorized pursuant to the Proposed Insured's organizational and governing documents.

B. Copies of said organizational and governing documents shall be provided to the Company certified as being in full force and effect without amendment as of the date of settlement of the transaction.

C. A copy of the resolution of authorizing the purchase/mortgage/lease of the premises must be produced at or prior to closing of title and provided to this Company. The resolution must be certified to be a true copy adopted by the Members/Partners/Board of Directors in accordance with the applicable formation documents, and that same has not been modified or rescinded.

11. A copy of the purchase and sale agreement, if applicable, must be delivered to the Company for review.

12. Preliminary change of ownership report must be filed along with the deed delivered for recording.

13. The following should be included on the closing instruments: names of signatories should be typed below the signature lines, grantor name and address is required on deeds, deeds of trust and mortgages, tax statement mailing address and "return to" should be included on the cover sheet, documentary transfer tax statement should be included with all deeds, owner's source of title should be recited on the closing deed and the assessor's parcel number should be included in the instrument.

14. Proof of payment, satisfaction, discharge, disposition of the following item:

A. Deed of Trust with Assignment of Rents dated January 26, 2017 made by G&G Land, LLC, a California limited liability company, as Trustor, to First American Title Insurance Company, a Nebraska corporation, as Trustee for the benefit of Cal Sierra Limited, L.P. a California limited partnership, as to a 50% interest and Hilbers-Jones Properties, a California general partnership, as to an undivided 50% interest, as Tenants in Common, in the principal amount of $600,000, recorded January 31, 2017 in Book 20170131, Page 1112.

15. All underwriting requirements for requested endorsements must be satisfied in accordance with the Company's instruction for issuance of any such endorsements.

16. The Company reserves the right to add additional requirements and exceptions to this Commitment as may be warranted by further disclosure of the details of this transaction.

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. Rights or claims of parties in possession not shown by the public records.

3. Encroachments, overlaps, boundary line disputes, and any other matters which would be disclosed by an accurate survey and inspection of the premises.

4. Easements or claims of easements not shown by the public records.

5. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.

6. Taxes or special assessments which are not shown as existing liens by the public records.

7. General and special taxes and assessments for the tax year 2023, and subsequent years, a lien not yet due and payable.

8. Any inaccuracy in the area, square footage, or acreage of land described in Exhibit A or attached plat, if any. The Company does not insure the area, square footage or acreage of the land.

9. The lien of supplemental taxes, if any, assessed pursuant to the provisions of Chapter 3.5 (commencing with Section 75) of the Revenue and Taxation Code of the State of California.

10. The lien of bonds and assessment liens, if applicable, collected with the general and special taxes.

11. Matters set forth on Parcel entitled Parcel Map prepared by ___, dated November 14, 1978 Recorded in the Office Sacramento County in Parcel Book 45, Page 8.

12. Matters set forth on Parcel entitled Parcel Map prepared by ___, dated January 1, 1991 Recorded in the Office Sacramento County in Parcel Book 122, Page 18.

13. Terms and conditions as set forth in Grant of Easement made by and between PORT SACREMENTO LAND COMPANY, and the CITY OF SACRAMENTO and PACIFIC TELEPHONE COMPANY, dated September 2, 1982 and recorded September 16, 1982 in Book 19820916, Page 703.

14. Terms and conditions as set forth in Grant of Right of Way made by and between PORT SACRAMENTO LAND COMPANY, and CITY OF SACRAMENTO, dated July 14, 1983 and recorded July 27, 2983 in Book 19830727, Page 1143.

15. Terms and conditions as set forth in Easement for Public Utility made by and between Port Sacramento Land Company, and the City of Sacramento, dated July 14, 1983 and recorded July 27, 1983 in Book 19830727, Page 1147.

16. Terms and conditions as set forth in Grant of Easement made by and between PORT SACREMENTO LAND COMPANY, and THE PACIFIC AND TELEPHONE AND TELEGRAPH COMPANY, dated July 14, 1983 and recorded September 20, 1983 in Book 19830920, Page 1365.

17. Terms and conditions as set forth in Subdivision Improvement Agreement made by and between PORT SACRAMENTO LAND COMPANY, and CITY OF SACRAMENTO, dated August 5, 1983 and recorded March 8, 1984 in Book 19840308, Page 1131.

18. Terms and conditions as set forth in Reciprocal Reimbursement Agreement made by and between PSLC Development Corporation, a Delaware corporation, and South West Associates, a California limited partnership, dated October 12, 1983 and recorded March 23, 1942 in Book 19840323, Page 1271.

19. Terms and conditions as set forth in DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS GREENHAVEN EXECUTIVE PARK, BY PORT SACRAMENTO LAND COMPANY, doing business as PSLC DEVELOPMENT COMPANY, DECLARANT, dated June 1, 1984 and recorded June 1, 1984 in Book 19840601, Page 1861; as affected by Assignment and Assumption of Declarant Obligations made by and between PORT SACRAMENTO LAND COMPANY, as Assignor, and WCB TWENTY-THREE LIMITED PARTNERSHIP, a Delaware limited partnership, as Assignee, dated October 25, 1994 and recorded November 2, 1994 in Book 19941102, Page 0428; further affected by Assignment and Assumption of Declarant Obligations made by and between WCB TWENTY-THREE LIMITED PARTNERSHIP, as Assignor, and SPIEKER NORTHWEST, INC., a California corporation, as Assignee, dated November 17, 1997 and recorded in Book 19971118, Page 0056

20. Terms and conditions as set forth in Easement for Public Utility made by and between Angelo K. Tsakapoulas, a married man, as his sole and separate property, as to an undivided 1/2 interest, and Five Star Investments, a California General Partnership, as to an undivided 1/2 interest, to CITY OF SACRAMENTO, dated August 22, 1989 and recorded August 24, 1989 in Book 19890824, Page 2069.

21. Terms and conditions as set forth in Subdivision Improvement Agreement made by and between the CITY OF SACRAMENTO, and Five Star Investments, General Partnership, dated December 11, 1990 and recorded January 26, 1991 in Book 19910128, Page 982.

22. Terms and conditions as set forth in Declaration of Covenants, Conditions, Easements and Restrictions for Greenhaven Executive Park, City of Sacramento, Sacramento County, California made by and between Five Star Investments, a California General Partnership, and Angelo K. Tsakopoulas, dated January 1991 and recorded January 31, 1991 in Book 19910131, Page 1309; as affected by Amended and Restated Declaration of Covenants, Conditions, Easements and Restrictions for Greenhaven Executive Park, City of Sacramento, Sacramento County, California made by and between O.K. and B., a California general partnerships; ASIAN COMMUNITY CENTER OF SACRAMENTO CALLEY, INC., a California corporation; RICKIE W. MASSIE, a married man as his sole and separate property; CLARA K. MASSIE, as Trustee of the CLARA K. MASSIE FAMILY TRUST dated May 1, 1997; PHILIP d. OATES, a married man as his sole and separate property; MARVIN L. OATES, AS TRUSTEE OF THE MARVIN L. OATES TRUST DATED MARCH 7, 1995; CORPORATE WAY INVESTMENT COMPANY, a California general partnership; BRADLEY L. YEE, an individual; NEW GREENHAVEN DEVELOPERS, a California partnership; and POCKET ROAD-SPC, LLC, a Delaware limited liability company, (together "Declarant"), and FIVE STAR INVESTMENTS, a California general partnership, and ANGELO K. TSAKOPOULAS, originally fee owners of Parcels 1 through 12 (the "Property"), dated April 3, 2001 and recorded July 3, 2001 in Book 20010703, Page 0790.

NOTICE - TAX SEARCH

The tax search attached herein covers only the Land as described, and no search is made against any part of the street on which said Land abuts.

Some items shown hereon may have been paid but payment not yet officially posted. Receipted bills should be produced on closing. Policy does not insure against items not a lien up to the date of the policy, nor for installments for assessments due after date of this policy. Policy does not insure against pending assessments.

If the Land is benefited by a Real Estate Tax Abatement personal to an exempt owner, additional taxes may accrue or may have accrued due to a change in ownership or possession. Any restored taxes from the date of transfer of title or possession from the exempt owner, must be fixed and paid prior to closing of title.

Policy will except water and sewer rent not entered and/or water and sewer rent entered subsequent to date of last reading.

NOTE: If meter entries herein indicated average or minimum readings, an actual reading should be obtained prior to closing of title or policy will except any possible charge that an actual reading may disclose.

NOTE: Amounts set forth in this Commitment may be exclusive of interest, costs and/or penalties.

SCHEDULE A - LEGAL DESCRIPTION

PARCEL 3, AS SHOWN ON THE PARCEL MAP ENTITLED, "PORTION OF LOT B 45 P.M. 8 AND PORTION OF PARCEL 4 80 P.M. 14," FILED IN THE OFFICE OF THE RECORDER OF SACREMENTO COUNTY, CALIFORNIA ON JANUARY 16, 1991 IN BOOK 122 OF PARCEL MAPS, AT PAGE 18.

For Information Only:
Property Address: Corporate Way Yuba City, CA
Parcel ID No.: 031-0051-019-0000

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;
(f) Schedule B, Part II—Exceptions; and
(g) a counter-signature by the Company or its issuing agent that may be in electronic form.

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.

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

The Policy contains an arbitration clause. All arbitrable matters when the Proposed Policy Amount is $2,000,000 or less shall be arbitrated at the option of either the Company or the Proposed Insured as the exclusive remedy of the parties. A Proposed Insured may review a copy of the arbitration rules at http://www.alta.org/arbitration.

OLD REPUBLIC TITLE

rev. 07/2016

FACTS

WHAT DOES OLD REPUBLIC TITLE DO WITH YOUR PERSONAL INFORMATION?

Why?	Financial companies choose how they share your personal information. Federal law gives consumers the right to limit some but not all sharing. Federal law also requires us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand what we do.
What?	The types of personal information we collect and share depend on the product or service you have with us. This information can include: • Social Security number and employment information • Mortgage rates and payments and account balances • Checking account information and wire transfer instructions When you are *no longer* our customer, we continue to share your information as described in this notice.
How?	All financial companies need to share customers' personal information to run their everyday business. In the section below, we list the reasons financial companies can share their customers' personal information; the reasons Old Republic Title chooses to share; and whether you can limit this sharing.

Reasons we can share your personal information	Does Old Republic Title share?	Can you limit this sharing?
For our everyday business purposes — such as to process your transactions, maintain your account(s), or respond to court orders and legal investigations, or report to credit bureaus	**Yes**	**No**
For our marketing purposes — to offer our products and services to you	**No**	**We don't share**
For joint marketing with other financial companies	**No**	**We don't share**
For our affiliates' everyday business purposes — information about your transactions and experiences	**Yes**	**No**
For our affiliates' everyday business purposes — information about your creditworthiness	**No**	**We don't share**
For our affiliates to market to you	**No**	**We don't share**
For non-affiliates to market to you	**No**	**We don't share**

Questions	**Go to** www.oldrepublictitle.com (*Contact Us*)

Who we are	
Who is providing this notice?	Companies with an Old Republic Title name and other affiliates. Please see below for a list of affiliates.

What we do	
How does Old Republic Title protect my personal information?	To protect your personal information from unauthorized access and use, we use security measures that comply with federal law. These measures include computer safeguards and secured files and buildings. For more information, visit http://www.OldRepublicTitle.com/newnational/Contact/privacy.
How does Old Republic Title collect my personal information?	We collect your personal information, for example, when you: • Give us your contact information or show your driver's license • Show your government-issued ID or provide your mortgage information • Make a wire transfer We also collect your personal information from others, such as credit bureaus, affiliates, or other companies.
Why can't I limit all sharing?	Federal law gives you the right to limit only: • Sharing for affiliates' everyday business purposes - information about your creditworthiness • Affiliates from using your information to market to you • Sharing for non-affiliates to market to you State laws and individual companies may give you additional rights to limit sharing. See the "Other important information" section below for your rights under state law.

Definitions	
Affiliates	Companies related by common ownership or control. They can be financial and nonfinancial companies. • *Our affiliates include companies with an Old Republic Title name, and financial companies such as Attorneys' Title Fund Services, LLC, Lex Terrae National Title Services, Inc., Mississippi Valley Title Services Company, and The Title Company of North Carolina.*
Non-affiliates	Companies not related by common ownership or control. They can be financial and non-financial companies. • *Old Republic Title does not share with non-affiliates so they can market to you*
Joint marketing	A formal agreement between non-affiliated financial companies that together market financial products or services to you. • *Old Republic Title doesn't jointly market*.

Other Important Information

Oregon residents only: We are providing you this notice under state law. We may share your personal information (described on page one) obtained from you or others with non-affiliate service providers with whom we contract, such as notaries and delivery services, in order to process your transactions. You may see what personal information we have collected about you in connection with your transaction (other than personal information related to a claim or legal proceeding). To see your information, please click on "Contact Us" at www.oldrepublictitle.com and submit your written request to the Legal Department. You may see and copy the information at our office or ask us to mail you a copy for a reasonable fee. If you think any information is wrong, you may submit a written request online to correct or delete it. We will let you know what actions we take. If you do not agree with our actions, you may send us a statement.

Affiliates Who May be Delivering This Notice

American First Abstract, LLC	**American First Title & Trust Company**	**American Guaranty Title Insurance Company**	**Attorneys' Title Fund Services, LLC**	**Compass Abstract, Inc.**
eRecording Partners Network, LLC	**Genesis Abstract, LLC**	**Kansas City Management Group, LLC**	**L.T. Service Corp.**	**Lenders Inspection Company**
Lex Terrae National Title Services, Inc.	**Lex Terrae, Ltd.**	**Mara Escrow Company**	**Mississippi Valley Title Services Company**	**National Title Agent's Services Company**
Old Republic Branch Information Services, Inc.	**Old Republic Diversified Services, Inc.**	**Old Republic Exchange Company**	**Old Republic National Title Insurance Company**	**Old Republic Title and Escrow of Hawaii, Ltd.**
Old Republic Title Co.	**Old Republic Title Company of Conroe**	**Old Republic Title Company of Indiana**	**Old Republic Title Company of Nevada**	**Old Republic Title Company of Oklahoma**
Old Republic Title Company of Oregon	**Old Republic Title Company of St. Louis**	**Old Republic Title Company of Tennessee**	**Old Republic Title Information Concepts**	**Old Republic Title Insurance Agency, Inc.**
Old Republic Title, Ltd.	**Republic Abstract & Settlement , LLC**	**Sentry Abstract Company**	**The Title Company of North Carolina**	**Title Services, LLC**
Trident Land Transfer Company, LLC				

APPENDIX C
ERIS Database Report

DATABASE REPORT

Project Property:	*Phase I ESA - Corporate Way, Sacramento* *1 Corporate Way* *Sacramento CA 95831*
Project No:	*27000-001-00*
Report Type:	*Database Report*
Order No:	*23083000443*
Requested by:	*GeoEngineers, Inc.*
Date Completed:	*September 1, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents.....2
Executive Summary.....3
Executive Summary: Report Summary.....4
Executive Summary: Site Report Summary - Project Property.....9
Executive Summary: Site Report Summary - Surrounding Properties.....10
Executive Summary: Summary by Data Source.....15
Map.....23
Aerial.....26
Topographic Map.....27
Detail Report.....28
Unplottable Summary.....142
Unplottable Report.....143
Appendix: Database Descriptions.....144
Definitions.....162

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property:		*Phase I ESA - Corporate Way, Sacramento* *1 Corporate Way Sacramento CA 95831*
Project No:		*27000-001-00*
Coordinates:		
	Latitude:	*38.49206047*
	Longitude:	*-121.51732483*
	UTM Northing:	*4,261,453.88*
	UTM Easting:	*629,303.60*
	UTM Zone:	*UTM Zone 10S*
Elevation:		*9 FT*

Order Information:

Order No:	*23083000443*
Date Requested:	*August 30, 2023*
Requested by:	*GeoEngineers, Inc.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	**1**	**1**	-	**2**
RCRA LQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA SQG	Y	0.25	0	0	**2**	-	-	**2**
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	**1**	**15**	-	-	**16**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	**1**	**4**	**5**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	**1**	0	-	**1**
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	**3**	-	**3**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	0	0	-	-	0
UST SWEEPS	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	**1**	-	**1**
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	**2**	-	**2**
DELISTED CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	**2**	-	-	**2**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County								
TOX SACRMNTO	Y	0.5	0	0	0	**3**	-	**3**
HAZ SACRMNTO	Y	0.25	0	**3**	**12**	-	-	**15**
Additional Environmental Records								
Federal								
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	**2**	-	-	**2**
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	**3**	-	-	**3**
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS GT CLEANUPS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
PFAS INVEST	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SCH	Y	1	0	0	0	0	**1**	**1**
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HAZ GEN	Y	PO	0	-	-	-	-	0
HAZ TSD	Y	0.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	**1**	-	-	-	**1**
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	0	**1**	-	-	**1**
CDL	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County

Total:	*0*	***5***	***40***	***11***	***5***	***61***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA NON GEN	KIDS CARE DENTAL DBA STERLING LA VALLEY DENT CORP	1110 CORPORATE WAY STE 200 SACRAMENTO CA 95831-3875 ***EPA Handler ID:*** CAL000406435	ESE	0.06 / 297.81	0	28
2	HAZ SACRMNTO	AT&T MOBILITY - GREENHAVEN CALL CENTER	7405 GREEN HAVEN DR Sacramento CA 95831	S	0.06 / 332.56	-2	29
3	CERS HAZ	AT&T California - UAR42	1180 CORPORATE WAY SACRAMENTO CA 95831	NW	0.08 / 400.99	-3	29
3	HAZ SACRMNTO	AT & T CALIFORNIA - UAR42	1180 CORPORATE WAY SACRAMENTO CA 95831	NW	0.08 / 400.99	-3	31
4	HAZ SACRMNTO	NELSON DENTAL GROUP	7400 GREENHAVEN DR SACRAMENTO CA 95831	SSW	0.11 / 570.78	-1	31
5	RCRA NON GEN	WINDBRIDGE VILLAGE APARTMENTS	7336 GREENHAVEN DRIVE SACRAMENTO CA 95831 ***EPA Handler ID:*** CAC003091028	W	0.15 / 765.71	-4	31
6	RCRA NON GEN	CLIFTON E NAKATANI DDS MSD INC	1102 CORPORATE WAY SUITE #150 SACRAMENTO CA 95831 ***EPA Handler ID:*** CAL000421207	SSE	0.16 / 855.65	2	32
7	RCRA NON GEN	VISTA VETERINARY SPECIALISTS	7425 GREENHAVEN DR SACRAMENTO CA 95831 ***EPA Handler ID:*** CAL000464965	S	0.17 / 904.68	-1	33
8	RCRA NON GEN	FLORENCE CHIANG	7420 GREENHAVEN DR #120 SACRAMENTO CA 95831 ***EPA Handler ID:*** CAC002973270	S	0.20 / 1,073.82	-1	34
8	RCRA NON GEN	SUTTER MEDICAL FOUNDATION	7420 GREENHAVEN DR STE 130 SACRAMENTO CA 95831-5164 ***EPA Handler ID:*** CAL000357577	S	0.20 / 1,073.82	-1	35
8	HAZ SACRMNTO	SUTTER MEDICAL FOUNDATION	7420 GREENHAVEN DR STE 130 SACRAMENTO CA 95831	S	0.20 / 1,073.82	-1	37

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
9	HAZ SACRMNTO	PETCO #5301	1006 FLORIN RD SACRAMENTO CA 95831	WNW	0.21 / 1,113.33	-3	37
9	RCRA NON GEN	PETCO STORE #5301	1006 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID:*** CAL000388152	WNW	0.21 / 1,113.33	-3	37
10	RCRA NON GEN	DIANE COGBURN	1218 WOODFIELD AVENUE SACRAMENTO CA 95831 ***EPA Handler ID:*** CAC003163854	ENE	0.22 / 1,151.42	9	38
11	HAZ SACRMNTO	MARSHALLS #115	1000 FLORIN RD SACRAMENTO CA 95831	WNW	0.23 / 1,204.39	-3	39
11	RCRA NON GEN	MARSHALLS 0115	1000 FLORIN RD SACRAMENTO CA 95831-3513 ***EPA Handler ID:*** CAL000401814	WNW	0.23 / 1,204.39	-3	40
12	HAZ SACRMNTO	ABRAHAM MORIONE DDS	7248 S LAND PARK DR 101 SACRAMENTO CA 95831	NE	0.23 / 1,214.39	9	41
13	DELISTED COUNTY	SUPER SAVER #184 [HM]	1040 FLORIN RD SACRAMENTO CA 95831	NW	0.23 / 1,239.62	-3	41
13	HAZ SACRMNTO	NUGGET MARKETS	1040 FLORIN RD SACRAMENTO CA 95831	NW	0.23 / 1,239.62	-3	41
13	RCRA NON GEN	NUGGET MARKET # 5	1040 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID:*** CAL000305329	NW	0.23 / 1,239.62	-3	41
14	DELISTED COUNTY	PAUL'S CLEANERS	982 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,302.53	-3	42
14	HAZ SACRMNTO	PAUL'S CLEANERS, INC	982 FLORIN RD SACRAMENTO CA 95831-3515	WNW	0.25 / 1,302.53	-3	43
14	DRYCLEANERS	PAULS CLEANERS	982 FLORIN RD SACRAMENTO CA	WNW	0.25 / 1,302.53	-3	43
14	RCRA TSD	PAULS CLEANERS	982 FLORIN RD SACRAMENTO CA 95831-3515 ***EPA Handler ID:*** CAL000364300	WNW	0.25 / 1,302.53	-3	43

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
14	RCRA NON GEN	PAULS CLEANERS	982 FLORIN RD SACRAMENTO CA 95831-3515 ***EPA Handler ID:*** CAL000364300	WNW	0.25 / 1,302.53	-3	44
14	RCRA NON GEN	GREENHAVEN MODERN DENTISTRY	992 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID:*** CAL000449064	WNW	0.25 / 1,302.53	-3	45
14	FED DRYCLEANERS	PAULS CLEANER INC	982 FLORIN RD SACRAMENTO CA 95831 ***FRS Facility ID:*** 110065170317	WNW	0.25 / 1,302.53	-3	46
14	RCRA NON GEN	PAULS CLEANER INC	982 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID:*** CAL000455008	WNW	0.25 / 1,302.53	-3	47
14	DRYCLEANERS	PAULS CLEANER INC	982 FLORIN RD SACRAMENTO CA	WNW	0.25 / 1,302.53	-3	48
15	HAZ SACRMNTO	DENNIS L LAI DDS	7210 S LAND PARK DR, #F SACRAMENTO CA 95831	NE	0.25 / 1,304.46	9	48
15	HAZ SACRMNTO	WONG & FAT CORPORATION	7210 S LAND PARK DR, #A SACRAMENTO CA 95831	NE	0.25 / 1,304.46	9	48
15	HAZ SACRMNTO	KENNETH HASHIMOTO DDS	7210 S LAND PARK DR, #B SACRAMENTO CA 95831	NE	0.25 / 1,304.46	9	48
15	HAZ SACRMNTO	LAWRENCE CHU DDS	7210 S LAND PARK DR, #D SACRAMENTO CA 95831	NE	0.25 / 1,304.46	9	49
15	RCRA NON GEN	TIMOTHY A WONG DDS/JOHN C FAT DDS	7210 SOUTH LAND PARK DR SACRAMENTO CA 95831-3663 ***EPA Handler ID:*** CAL000117537	NE	0.25 / 1,304.46	9	49
15	RCRA NON GEN	RONALD G FONG DDS	7210 S LAND PARK DR #E SACRAMENTO CA 95831-0000 ***EPA Handler ID:*** CAL000124719	NE	0.25 / 1,304.46	9	50
16	RCRA SQG	LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID:*** CAD981670029	NW	0.25 / 1,304.86	-4	51
16	DRYCLEANERS	LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA	NW	0.25 / 1,304.86	-4	52

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
16	EMISSIONS	LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA 95831	NW	0.25 / 1,304.86	-4	53
16	FED DRYCLEANERS	LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA 95831 ***FRS Facility ID:*** 110002744344	NW	0.25 / 1,304.86	-4	54
17	HAZ SACRMNTO	RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,306.29	-2	54
17	RCRA LQG	RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95828 ***EPA Handler ID:*** CAL000380252	WNW	0.25 / 1,306.29	-2	55
17	RCRA NON GEN	BIG 5 SPORTING GOODS #321	980 FLORIN RD STE A SACRAMENTO CA 95831-3515 ***EPA Handler ID:*** CAL000410311	WNW	0.25 / 1,306.29	-2	57
17	C&D DEBRIS RECY	THRIFTY PAYLESS INC DBA RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95831-3515	WNW	0.25 / 1,306.29	-2	58
17	RCRA SQG	RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95831-0000 ***EPA Handler ID:*** CA0001007434	WNW	0.25 / 1,306.29	-2	58
18	HAZ SACRMNTO	MICHAEL D QUESSENBERRY DDS	7230 S LAND PARK DR SACRAMENTO CA 95831	ENE	0.25 / 1,314.31	9	70
19	RCRA TSD	JOSHUA PORTER	7392 WILLOWLAKE WAY SACRAMENTO CA 95831 ***EPA Handler ID:*** CAC003013552	ESE	0.27 / 1,407.70	5	70
20	TOX SACRMNTO	CHEVRON #9-7183	1235 FLORIN RD SACRAMENTO CA	NE	0.36 / 1,918.78	8	71
20	LUST	CHEVRON #9-7188 #1	1235 FLORIN RD SACRAMENTO CA 95827 ***Global ID*** **|** ***Status Date*** **|** ***Status:*** T0606700188 | 3/19/1996 | COMPLETED - CASE CLOSED	NE	0.36 / 1,918.78	8	71
20	LUST	CHEVRON #9-7183 (CASE #2)	1235 FLORIN RD SACRAMENTO CA 95827 ***Global ID*** **|** ***Status Date*** **|** ***Status:*** T0606700963 | 5/17/1996 | OPEN - SITE ASSESSMENT	NE	0.36 / 1,918.78	8	73
21	TOX SACRMNTO	FREEPORT FARMS DEVELOPMENT COMPA	1301 FLORIN RD SACRAMENTO CA	ENE	0.45 / 2,395.21	9	105

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
21	CLEANUP SITES	FREEPORT FARMS DEVELOPMENT	1301 FLORIN ROAD SACRAMENTO CA	ENE	0.45 / 2,395.21	9	106
			Status* | *Site Facility Type: COMPLEX SITE CLEANUP PROGRAM FACILITY				
21	CLEANUP SITES	Freeport Farms Development - Former Paul's Cleaners	1301 Florin Road Sacramento CA	ENE	0.45 / 2,395.21	9	106
			Status* | *Site Facility Type: Open - Remediation | Cleanup Program Site				
22	ENVIROSTOR	HOLLAND CLEANERS	7115 SOUTH LAND PARK DRIVE SACRAMENTO CA 95831	NE	0.46 / 2,417.46	8	119
			Estor/EPA ID* | *Cleanup Status: 34720156 | REFER: OTHER AGENCY AS OF 11/16/1994				
22	CALSITES	HOLLAND CLEANERS	7115 SOUTH LAND PARK DRIVE SACRAMENTO CA 95831	NE	0.46 / 2,417.46	8	119
23	TOX SACRMNTO	JOHN SMALL'S SHELL STATION	1315 FLORIN RD SACRAMENTO CA	ENE	0.50 / 2,619.76	10	120
23	LUST	SHELL - JOHN SMALL'S I-5	1315 FLORIN RD SACRAMENTO CA 95831	ENE	0.50 / 2,619.76	10	120
			Global ID* | *Status Date* | *Status: T0606700863 | 12/14/2007 | COMPLETED - CASE CLOSED				
24	ENVIROSTOR	MAPLE TREE	7599 MAPLE TREE WAY SACRAMENTO CA 95831	SSE	0.66 / 3,496.94	-1	136
			Estor/EPA ID* | *Cleanup Status: 60002617 | NO ACTION REQUIRED AS OF 3/1/2018				
25	ENVIROSTOR	J & J ONE HOUR CLEANERS	1385 FLORIN ROAD SACRAMENTO CA 95822	ENE	0.72 / 3,779.53	9	136
			Estor/EPA ID* | *Cleanup Status: 34270094 | REFER: OTHER AGENCY AS OF 11/16/1994				
26	ENVIROSTOR	SMUD PCB SUBSTATION SITE #11	FREEHAVEN DRIVE AT LAKE PARK DRIVE SACRAMENTO CA 95831	N	0.91 / 4,788.69	0	137
			Estor/EPA ID* | *Cleanup Status: 34490036 | INACTIVE - NEEDS EVALUATION AS OF 2/17/1987				
27	SCH	PROPOSED SOJOURNER TRUTH HIGH SCHOOL	7360 GLORIA DRIVE SACRAMENTO CA 95831	W	0.99 / 5,219.61	-4	138
			Estor/EPA ID* | *Cleanup Status: 60000495 | NO FURTHER ACTION AS OF 12/12/2007				
27	ENVIROSTOR	PROPOSED SOJOURNER TRUTH HIGH SCHOOL	7360 GLORIA DRIVE SACRAMENTO CA 95831	W	0.99 / 5,219.61	-4	140
			Estor/EPA ID* | *Cleanup Status: 60000495 | NO FURTHER ACTION AS OF 12/12/2007				

Executive Summary: Summary by Data Source

Standard

Federal

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Apr 24, 2023 has found that there are 2 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
JOSHUA PORTER	7392 WILLOWLAKE WAY SACRAMENTO CA 95831 ***EPA Handler ID**: CAC003013552*	ESE	0.27 / 1,407.70	19

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PAULS CLEANERS	982 FLORIN RD SACRAMENTO CA 95831-3515 ***EPA Handler ID**: CAL000364300*	WNW	0.25 / 1,302.53	14

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Apr 24, 2023 has found that there are 1 RCRA LQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95828 ***EPA Handler ID**: CAL000380252*	WNW	0.25 / 1,306.29	17

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Apr 24, 2023 has found that there are 2 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID**: CAD981670029*	NW	0.25 / 1,304.86	16
RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95831-0000 ***EPA Handler ID**: CA0001007434*	WNW	0.25 / 1,306.29	17

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 24, 2023 has found that there are 16 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KIDS CARE DENTAL DBA STERLING LA VALLEY DENT CORP	1110 CORPORATE WAY STE 200 SACRAMENTO CA 95831-3875 ***EPA Handler ID**: CAL000406435*	ESE	0.06 / 297.81	1
CLIFTON E NAKATANI DDS MSD INC	1102 CORPORATE WAY SUITE #150 SACRAMENTO CA 95831 ***EPA Handler ID**: CAL000421207*	SSE	0.16 / 855.65	6
DIANE COGBURN	1218 WOODFIELD AVENUE SACRAMENTO CA 95831 ***EPA Handler ID**: CAC003163854*	ENE	0.22 / 1,151.42	10
RONALD G FONG DDS	7210 S LAND PARK DR #E SACRAMENTO CA 95831-0000 ***EPA Handler ID**: CAL000124719*	NE	0.25 / 1,304.46	15
TIMOTHY A WONG DDS/JOHN C FAT DDS	7210 SOUTH LAND PARK DR SACRAMENTO CA 95831-3663 ***EPA Handler ID**: CAL000117537*	NE	0.25 / 1,304.46	15

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
WINDBRIDGE VILLAGE APARTMENTS	7336 GREENHAVEN DRIVE SACRAMENTO CA 95831 ***EPA Handler ID**: CAC003091028*	W	0.15 / 765.71	5
VISTA VETERINARY SPECIALISTS	7425 GREENHAVEN DR SACRAMENTO CA 95831 ***EPA Handler ID**: CAL000464965*	S	0.17 / 904.68	7
SUTTER MEDICAL FOUNDATION	7420 GREENHAVEN DR STE 130 SACRAMENTO CA 95831-5164 ***EPA Handler ID**: CAL000357577*	S	0.20 / 1,073.82	8
FLORENCE CHIANG	7420 GREENHAVEN DR #120 SACRAMENTO CA 95831 ***EPA Handler ID**: CAC002973270*	S	0.20 / 1,073.82	8
PETCO STORE #5301	1006 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID**: CAL000388152*	WNW	0.21 / 1,113.33	9
MARSHALLS 0115	1000 FLORIN RD SACRAMENTO CA 95831-3513 ***EPA Handler ID**: CAL000401814*	WNW	0.23 / 1,204.39	11
NUGGET MARKET # 5	1040 FLORIN RD SACRAMENTO CA 95831 ***EPA Handler ID**: CAL000305329*	NW	0.23 / 1,239.62	13

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PAULS CLEANERS	982 FLORIN RD SACRAMENTO CA 95831-3515	WNW	0.25 / 1,302.53	14
	***EPA Handler ID**: CAL000364300*			
GREENHAVEN MODERN DENTISTRY	992 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,302.53	14
	***EPA Handler ID**: CAL000449064*			
PAULS CLEANER INC	982 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,302.53	14
	***EPA Handler ID**: CAL000455008*			
BIG 5 SPORTING GOODS #321	980 FLORIN RD STE A SACRAMENTO CA 95831-3515	WNW	0.25 / 1,306.29	17
	***EPA Handler ID**: CAL000410311*			

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Jun 1, 2023 has found that there are 5 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HOLLAND CLEANERS	7115 SOUTH LAND PARK DRIVE SACRAMENTO CA 95831	NE	0.46 / 2,417.46	22
	***Estor/EPA ID**	**Cleanup Status**: 34720156	REFER: OTHER AGENCY AS OF 11/16/1994*		
J & J ONE HOUR CLEANERS	1385 FLORIN ROAD SACRAMENTO CA 95822	ENE	0.72 / 3,779.53	25
	***Estor/EPA ID**	**Cleanup Status**: 34270094	REFER: OTHER AGENCY AS OF 11/16/1994*		

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MAPLE TREE	7599 MAPLE TREE WAY SACRAMENTO CA 95831	SSE	0.66 / 3,496.94	24
	***Estor/EPA ID**	**Cleanup Status**: 60002617	NO ACTION REQUIRED AS OF 3/1/2018*		
SMUD PCB SUBSTATION SITE #11	FREEHAVEN DRIVE AT LAKE PARK DRIVE SACRAMENTO CA 95831	N	0.91 / 4,788.69	26
	***Estor/EPA ID**	**Cleanup Status**: 34490036	INACTIVE - NEEDS EVALUATION AS OF 2/17/1987*		
PROPOSED SOJOURNER TRUTH HIGH SCHOOL	7360 GLORIA DRIVE SACRAMENTO CA 95831	W	0.99 / 5,219.61	27
	***Estor/EPA ID**	**Cleanup Status**: 60000495	NO FURTHER ACTION AS OF 12/12/2007*		

C&D DEBRIS RECY - Construction and Demolition Debris Recyclers

A search of the C&D DEBRIS RECY database, dated Jun 20, 2018 has found that there are 1 C&D DEBRIS RECY site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
THRIFTY PAYLESS INC DBA RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95831-3515	WNW	0.25 / 1,306.29	17

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Jul 13, 2023 has found that there are 3 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHEVRON #9-7183 (CASE #2)	1235 FLORIN RD SACRAMENTO CA 95827	NE	0.36 / 1,918.78	20
	Global ID **|** ***Status Date*** **|** ***Status***: *T0606700963 | 5/17/1996 | OPEN - SITE ASSESSMENT*			
CHEVRON #9-7188 #1	1235 FLORIN RD SACRAMENTO CA 95827	NE	0.36 / 1,918.78	20
	Global ID **|** ***Status Date*** **|** ***Status***: *T0606700188 | 3/19/1996 | COMPLETED - CASE CLOSED*			
SHELL - JOHN SMALL'S I-5	1315 FLORIN RD SACRAMENTO CA 95831	ENE	0.50 / 2,619.76	23
	Global ID **|** ***Status Date*** **|** ***Status***: *T0606700863 | 12/14/2007 | COMPLETED - CASE CLOSED*			

CALSITES - CALSITES Database

A search of the CALSITES database, dated May 1, 2004 has found that there are 1 CALSITES site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HOLLAND CLEANERS	7115 SOUTH LAND PARK DRIVE SACRAMENTO CA 95831	NE	0.46 / 2,417.46	22

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Jul 13, 2023 has found that there are 2 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FREEPORT FARMS DEVELOPMENT	1301 FLORIN ROAD SACRAMENTO CA	ENE	0.45 / 2,395.21	21
	Status **|** ***Site Facility Type***: *COMPLEX SITE CLEANUP PROGRAM FACILITY*			
Freeport Farms Development - Former Paul's Cleaners	1301 Florin Road Sacramento CA	ENE	0.45 / 2,395.21	21
	Status **|** ***Site Facility Type***: *Open - Remediation | Cleanup Program Site*			

DELISTED COUNTY - Delisted County Records

A search of the DELISTED COUNTY database, dated Aug 15, 2023 has found that there are 2 DELISTED COUNTY site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUPER SAVER #184 [HM]	1040 FLORIN RD SACRAMENTO CA 95831	NW	0.23 / 1,239.62	13
PAUL'S CLEANERS	982 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,302.53	14

County

TOX SACRMNTO - Sacramento County - Toxic Site Cleanup List

A search of the TOX SACRMNTO database, dated Mar 30, 2021 has found that there are 3 TOX SACRMNTO site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHEVRON #9-7183	1235 FLORIN RD SACRAMENTO CA	NE	0.36 / 1,918.78	20
FREEPORT FARMS DEVELOPMENT COMPA	1301 FLORIN RD SACRAMENTO CA	ENE	0.45 / 2,395.21	21
JOHN SMALL'S SHELL STATION	1315 FLORIN RD SACRAMENTO CA	ENE	0.50 / 2,619.76	23

HAZ SACRMNTO - Sacramento County - Master Hazardous Materials Facility List

A search of the HAZ SACRMNTO database, dated Aug 2, 2021 has found that there are 15 HAZ SACRMNTO site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ABRAHAM MORIONE DDS	7248 S LAND PARK DR 101 SACRAMENTO CA 95831	NE	0.23 / 1,214.39	12
DENNIS L LAI DDS	7210 S LAND PARK DR, #F SACRAMENTO CA 95831	NE	0.25 / 1,304.46	15
LAWRENCE CHU DDS	7210 S LAND PARK DR, #D SACRAMENTO CA 95831	NE	0.25 / 1,304.46	15
KENNETH HASHIMOTO DDS	7210 S LAND PARK DR, #B SACRAMENTO CA 95831	NE	0.25 / 1,304.46	15
WONG & FAT CORPORATION	7210 S LAND PARK DR, #A SACRAMENTO CA 95831	NE	0.25 / 1,304.46	15

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MICHAEL D QUESSENBERRY DDS	7230 S LAND PARK DR SACRAMENTO CA 95831	ENE	0.25 / 1,314.31	18

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AT&T MOBILITY - GREENHAVEN CALL CENTER	7405 GREEN HAVEN DR Sacramento CA 95831	S	0.06 / 332.56	2
AT & T CALIFORNIA - UAR42	1180 CORPORATE WAY SACRAMENTO CA 95831	NW	0.08 / 400.99	3
NELSON DENTAL GROUP	7400 GREENHAVEN DR SACRAMENTO CA 95831	SSW	0.11 / 570.78	4
SUTTER MEDICAL FOUNDATION	7420 GREENHAVEN DR STE 130 SACRAMENTO CA 95831	S	0.20 / 1,073.82	8
PETCO #5301	1006 FLORIN RD SACRAMENTO CA 95831	WNW	0.21 / 1,113.33	9
MARSHALLS #115	1000 FLORIN RD SACRAMENTO CA 95831	WNW	0.23 / 1,204.39	11
NUGGET MARKETS	1040 FLORIN RD SACRAMENTO CA 95831	NW	0.23 / 1,239.62	13
PAUL'S CLEANERS, INC	982 FLORIN RD SACRAMENTO CA 95831-3515	WNW	0.25 / 1,302.53	14
RITE AID #6084	980 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,306.29	17

Non Standard

Federal

FED DRYCLEANERS - Drycleaner Facilities

A search of the FED DRYCLEANERS database, dated Apr 15, 2023 has found that there are 2 FED DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PAULS CLEANER INC	982 FLORIN RD SACRAMENTO CA 95831	WNW	0.25 / 1,302.53	14
	***FRS Facility ID**: 110065170317*			
LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA 95831	NW	0.25 / 1,304.86	16
	***FRS Facility ID**: 110002744344*			

State

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Dec 20, 2021 has found that there are 3 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PAULS CLEANER INC	982 FLORIN RD SACRAMENTO CA	WNW	0.25 / 1,302.53	14
PAULS CLEANERS	982 FLORIN RD SACRAMENTO CA	WNW	0.25 / 1,302.53	14
LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA	NW	0.25 / 1,304.86	16

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Jun 1, 2023 has found that there are 1 SCH site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PROPOSED SOJOURNER TRUTH HIGH SCHOOL	7360 GLORIA DRIVE SACRAMENTO CA 95831	W	0.99 / 5,219.61	27
	***Estor/EPA ID**	**Cleanup Status**: 60000495	NO FURTHER ACTION AS OF 12/12/2007*	

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Jul 10, 2023 has found that there are 1 CERS HAZ site(s) within approximately 0.12 miles of the project property.

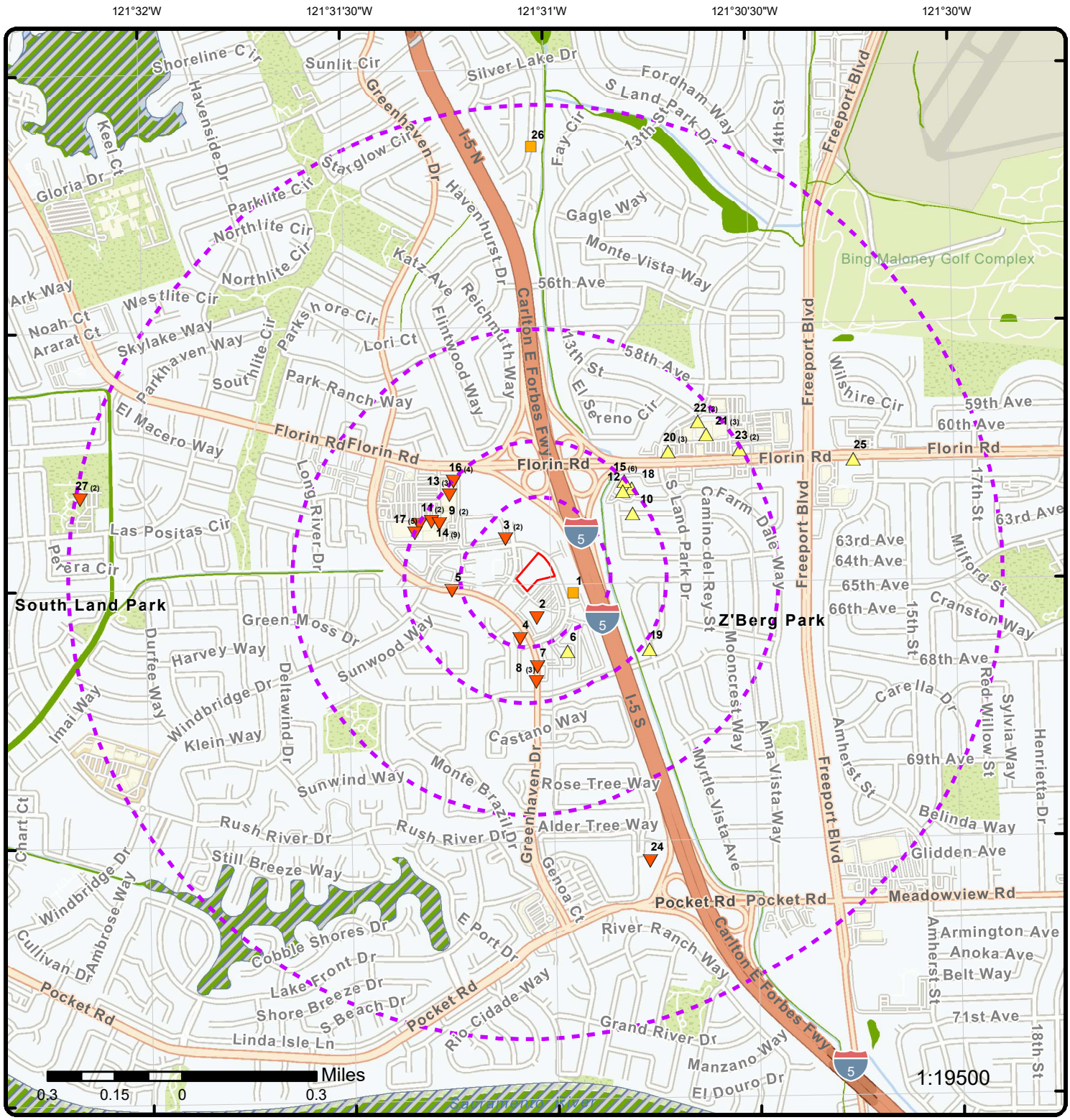
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AT&T California - UAR42	1180 CORPORATE WAY SACRAMENTO CA 95831	NW	0.08 / 400.99	3

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2020 has found that there are 1 EMISSIONS site(s) within approximately 0.25

miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LITTLES CLEANERS	1046 FLORIN RD SACRAMENTO CA 95831	NW	0.25 / 1,304.86	16



Map: 1.0 Mile Radius

Order Number: 23083000443

Address: 1 Corporate Way, Sacramento, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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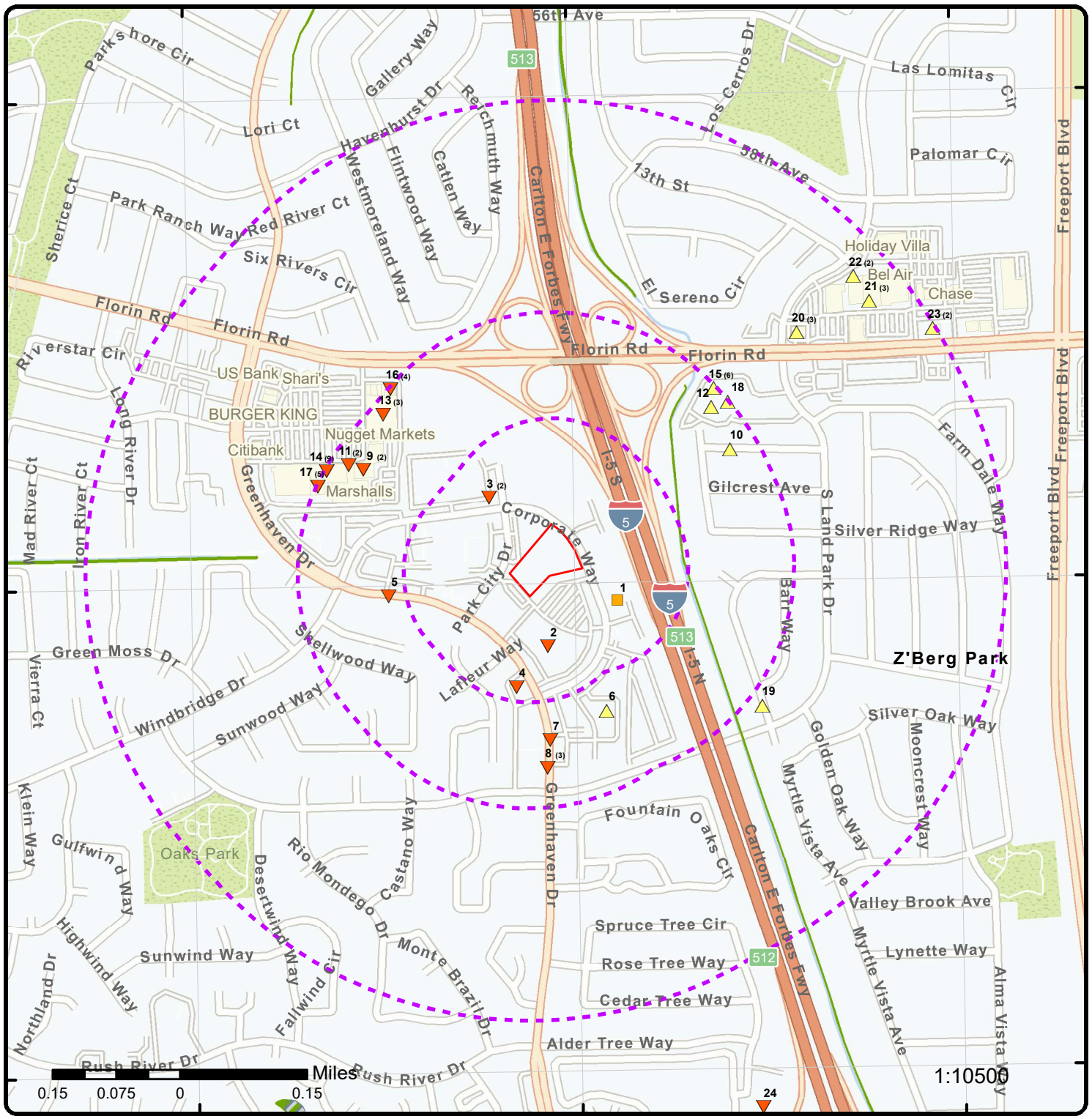

Map: 0.5 Mile Radius

Order Number: 23083000443

Address: 1 Corporate Way, Sacramento, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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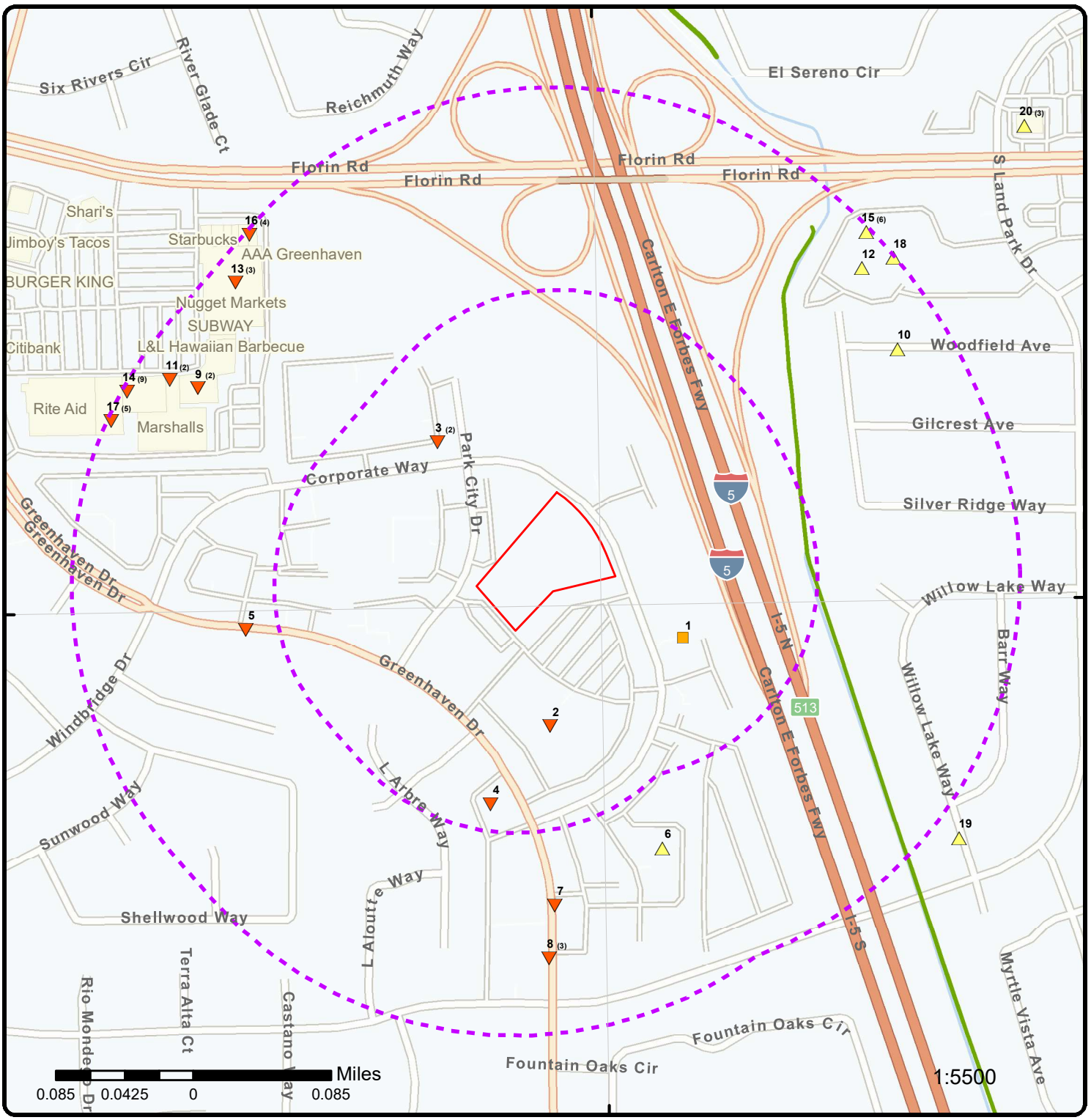

Map: 0.25 Mile Radius

Order Number: 23083000443

Address: 1 Corporate Way, Sacramento, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

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Aerial **Year: 2022**

Order Number: 23083000443

Address: 1 Corporate Way, Sacramento, CA

Source: ESRI World Imagery

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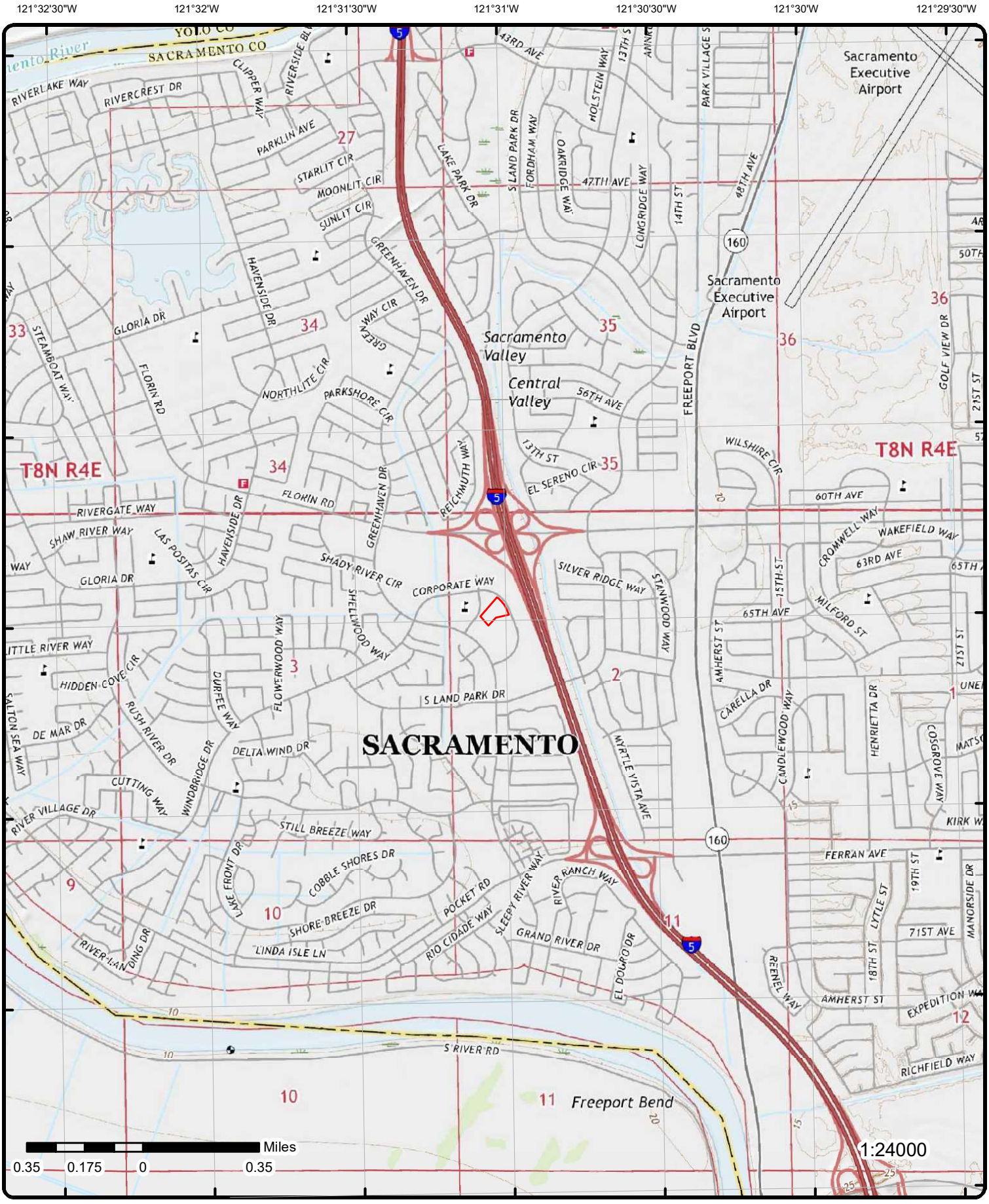

Topographic Map

Year: 2018

Order Number: 23083000443

Address: 1 Corporate Way, CA

Quadrangle(s): Clarksburg CA, Florin CA, Sacramento East CA, Sacramento West CA

Source: USGS Topographic Map

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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	ESE	0.06 / 297.81	9.06 / 0	KIDS CARE DENTAL DBA STERLING LA VALLEY DENT CORP 1110 CORPORATE WAY STE 200 SACRAMENTO CA 95831-3875	RCRA NON GEN

EPA Handler ID: CAL000406435
Gen Status Universe: No Report
Contact Name: KATHYJO ARD
Contact Address: 3100 ZINFINDAL DR , , RANCHO CORDOVA , CA, 95670 ,
Contact Phone No and Ext: 916-444-5437
Contact Email: KARD@KIDSCAREDENTAL.COM
Contact Country:
County Name: SACRAMENTO
EPA Region: 09
Land Type:
Receive Date: 20150428
Location Latitude: 38.491362
Location Longitude: -121.515777

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150428
Handler Name: KIDS CARE DENTAL DBA STERLING LA VALLEY DENT CORP
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner **Street No:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type:	Other	**Street 1:**	3100 ZINFINDAL DR		
Name:	A PAUL REEVES DMD PROFESSIONAL	**Street 2:**			
Date Became Current:		**City:**	RANCHO CORDOVA		
Date Ended Current:		**State:**	CA		
Phone:	916-444-5437	**Country:**			
Source Type:	Implementer	**Zip Code:**	95670		
Owner/Operator Ind:	Current Operator	**Street No:**			
Type:	Other	**Street 1:**	3100 ZINFINDAL DR		
Name:	KATHYJO ARD	**Street 2:**			
Date Became Current:		**City:**	RANCHO CORDOVA		
Date Ended Current:		**State:**	CA		
Phone:	916-444-5437	**Country:**			
Source Type:	Implementer	**Zip Code:**	95670		

2	*1 of 1*	*S*	*0.06 / 332.56*	*7.08 / -2*	***AT&T MOBILITY - GREENHAVEN CALL CENTER*** ***7405 GREEN HAVEN DR*** ***Sacramento CA 95831***	***HAZ SACRMNTO***

Haz Mat Bus Plan:	I	**AST Code:**	
Haz Mat BP Desc:	Inactive	**AST Desc:**	
Haz Waste Gen Cd:		**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:		**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

3	*1 of 2*	*NW*	*0.08 / 400.99*	*5.58 / -3*	***AT&T California - UAR42*** ***1180 CORPORATE WAY*** ***SACRAMENTO CA 95831***	***CERS HAZ***

Site ID:	562821
Latitude:	38.493410
Longitude:	-121.519420

Regulated Programs

EI ID:	10818178	**EI Description:**	Chemical Storage Facilities

Evaluations

Eval Date:	11/09/2020
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Sacramento County Env Management Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

*FA0054849 TO FA0054851 Inspection report emailed to Phil Diaz, Environmental Site Manager, at PD7683@att.com due to COVID-19. No violations observed at the time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	
Address:	
City:	
State:	

Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: AT&T California
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (800) 566-9347

Affil Type Desc: Parent Corporation
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: AT&T EH&S Hotline - Option #1
Entity Title:
Address: 308 S. Akard St., 17th Floor
City: Dallas
State: TX
Country:
Zip Code: 75202
Phone:

Affil Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Sacramento County Environmental Management Departm
Entity Title:
Address: 11080 WHITE ROCK ROAD, STE. 200
City: RANCHO CORDOVA
State: CA
Country:
Zip Code: 95670
Phone: (916) 875-8550

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 308 S. Akard St., 17th Floor
City: Dallas
State: TX
Country:
Zip Code: 75202
Phone:

Affil Type Desc: Legal Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title:
Address: 308 S. Akard St., 17th Floor
City: Dallas

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State:		TX				
Country:		United States				
Zip Code:		75202				
Phone:		(214) 464-1712				
3	2 of 2	NW	0.08 / 400.99	5.58 / -3	AT & T CALIFORNIA - UAR42 1180 CORPORATE WAY SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:	A	**AST Code:**	
Haz Mat BP Desc:	Active	**AST Desc:**	
Haz Waste Gen Cd:		**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:		**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 1	SSW	0.11 / 570.78	7.67 / -1	NELSON DENTAL GROUP 7400 GREENHAVEN DR SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	I	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Inactive	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of 1	W	0.15 / 765.71	4.68 / -4	WINDBRIDGE VILLAGE APARTMENTS 7336 GREENHAVEN DRIVE SACRAMENTO CA 95831	RCRA NON GEN

EPA Handler ID:	CAC003091028
Gen Status Universe:	No Report
Contact Name:	DAVID PEREZ
Contact Address:	7336 GREENHAVEN DRIVE , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-254-6107
Contact Email:	DAVIDALBERTOPEREZ51@GMAIL.COM
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20201102
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20201102
Handler Name:	WINDBRIDGE VILLAGE APARTMENTS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	7336 GREENHAVEN DRIVE
Name:	WINDBRIDGE VILLAGE APARTMENTS	**Street 2:**	
Date Became Current:		**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-254-6107	**Country:**	
Source Type:	Implementer	**Zip Code:**	95831
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	7336 GREENHAVEN DRIVE
Name:	DAVID PEREZ	**Street 2:**	
Date Became Current:		**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-254-6107	**Country:**	
Source Type:	Implementer	**Zip Code:**	95831

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 1	SSE	0.16 / 855.65	10.44 / 2	CLIFTON E NAKATANI DDS MSD INC 1102 CORPORATE WAY SUITE #150 SACRAMENTO CA 95831	RCRA NON GEN

EPA Handler ID:	CAL000421207
Gen Status Universe:	No Report
Contact Name:	CLIFTON NAKATANI
Contact Address:	1102 CORPORATE WAY SUITE 150 , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-421-5555
Contact Email:	NAKATANIFRONTOFFICE@COMCAST.NET
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20161014
Location Latitude:	38.489634
Location Longitude:	-121.516241

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20161014
Handler Name:	CLIFTON E NAKATANI DDS MSD INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1102 CORPORATE WAY SUITE 150
Name:	CLIFTON NAKATANI	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-421-5555	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1102 CORPORATE WAY SUITE #150
Name:	CLIFTON E NAKATANI DDS MSD INC	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-421-5555	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

7	***1 of 1***	***S***	***0.17 / 904.68***	***7.38 / -1***	***VISTA VETERINARY SPECIALISTS 7425 GREENHAVEN DR SACRAMENTO CA 95831***	***RCRA NON GEN***

EPA Handler ID:	CAL000464965
Gen Status Universe:	No Report
Contact Name:	LILLY SIMMONS
Contact Address:	7425 GREENHAVEN DR , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-231-4445
Contact Email:	LSIMMONS@ETHOSVET.COM
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20210823
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210823
Handler Name:	VISTA VETERINARY SPECIALISTS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	150 PRESIDENTIAL WAY STE 200
Name:	ETHOS VETERINARY HEALTH	***Street 2:***	
Date Became Current:		***City:***	WOBURN
Date Ended Current:		***State:***	MA
Phone:	916-231-4445	***Country:***	
Source Type:	Implementer	***Zip Code:***	01801

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	7425 GREENHAVEN DR
Name:	LILLY SIMMONS	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-231-4445	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 3	S	0.20 / 1,073.82	7.67 / -1	FLORENCE CHIANG 7420 GREENHAVEN DR #120 SACRAMENTO CA 95831	RCRA NON GEN

EPA Handler ID:	CAC002973270
Gen Status Universe:	No Report
Contact Name:	FLORENCE CHIANG
Contact Address:	7420 GREENHAVEN DRIVE #120 , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-428-6618
Contact Email:	FLCHAVEN@COMCAST.NET
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20180730
Location Latitude:	38.488518
Location Longitude:	-121.517838

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180730
Handler Name:	FLORENCE CHIANG
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	7420 GREENHAVEN DRIVE #120
Name:	FLORENCE CHIANG	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-428-6618	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	7420 GREENHAVEN DRIVE #120
Name:	FLORENCE CHIANG	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-428-6618	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of 3	S	0.20 / 1,073.82	7.67 / -1	SUTTER MEDICAL FOUNDATION 7420 GREENHAVEN DR STE 130 SACRAMENTO CA 95831-5164	RCRA NON GEN

EPA Handler ID:	CAL000357577
Gen Status Universe:	No Report
Contact Name:	PATRICK SADORRA
Contact Address:	2700 GATEWAY OAKS STE. 1300 , , SACRAMENTO , CA, 95833 , US
Contact Phone No and Ext:	916-887-7618
Contact Email:	SADORRG@SUTTERHEALTH.ORG
Contact Country:	US
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	Other

Receive Date: 20220225
Location Latitude: 38.488518
Location Longitude: -121.517838

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20101005
Handler Name: SUTTER MEDICAL FOUNDATION
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20220225
Handler Name: SUTTER MEDICAL FOUNDATION
Source Type: Annual/Biennial Report update with Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: PATRICK SADORRA
Date Became Current:
Date Ended Current:
Phone: 916-887-7618
Source Type: Implementer
Street No:
Street 1: 2700 GATEWAY OAKS STE. 1300
Street 2:
City: SACRAMENTO
State: CA
Country:
Zip Code: 95833

Owner/Operator Ind: Current Owner
Type: Other
Name: SUTTER VALLEY MEDICAL FOUNDATION
Date Became Current: 20220225
Date Ended Current:
Phone: 916-454-6656
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1: 2800 L ST 7TH FL
Street 2:
City: SACRAMENTO
State: CA
Country: US
Zip Code: 95816-5616

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2700 GATEWAY OAKS STE. 1300
Name:	PATRICK SADORRA	**Street 2:**	
Date Became Current:	20220225	**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-887-7618	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	95833

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2800 L ST 7TH FL
Name:	SUTTER VALLEY MEDICAL FOUNDATION	**Street 2:**	
Date Became Current:		**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-454-6656	**Country:**	
Source Type:	Implementer	**Zip Code:**	95816-5616

Historical Handler Details

Receive Dt:	20101005
Generator Code Description:	Not a Generator, Verified
Handler Name:	SUTTER MEDICAL FOUNDATION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	3 of 3	S	0.20 / 1,073.82	7.67 / -1	SUTTER MEDICAL FOUNDATION 7420 GREENHAVEN DR STE 130 SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	A	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Active	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 2	WNW	0.21 / 1,113.33	5.94 / -3	PETCO #5301 1006 FLORIN RD SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	A	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Active	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	2 of 2	WNW	0.21 / 1,113.33	5.94 / -3	PETCO STORE #5301 1006 FLORIN RD SACRAMENTO CA 95831	RCRA NON GEN

EPA Handler ID:	CAL000388152
Gen Status Universe:	No Report
Contact Name:	AMY EBERSOLE-MARTINEZ
Contact Address:	654 RICHLAND HILLS , , SAN ANTONIO , TX, 78245-0000 ,
Contact Phone No and Ext:	858-761-5359
Contact Email:	SAFETY@PETCO.COM
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20130805
Location Latitude:	38.493729
Location Longitude:	-121.521339

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20130805
Handler Name:	PETCO STORE #5301
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	654 RICHLAND HILLS
Name:	PETCO ANIMALS SUPPLIES INC	***Street 2:***	
Date Became Current:		***City:***	SAN ANTONIO
Date Ended Current:		***State:***	TX
Phone:	858-201-9217	***Country:***	
Source Type:	Implementer	***Zip Code:***	78245
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	654 RICHLAND HILLS
Name:	AMY EBERSOLE-MARTINEZ	***Street 2:***	
Date Became Current:		***City:***	SAN ANTONIO
Date Ended Current:		***State:***	TX
Phone:	858-761-5359	***Country:***	
Source Type:	Implementer	***Zip Code:***	78245-0000

10	*1 of 1*	*ENE*	*0.22 / 1,151.42*	*17.29 / 9*	***DIANE COGBURN*** ***1218 WOODFIELD AVENUE*** ***SACRAMENTO CA 95831***	***RCRA NON GEN***

EPA Handler ID:	CAC003163854
Gen Status Universe:	No Report
Contact Name:	DIANE COGBURN
Contact Address:	1218 WOODFIELD AVENUE , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-396-7902
Contact Email:	DMCOGBURN@AOL.COM
Contact Country:	
County Name:	SACRAMENTO

EPA Region: 09
Land Type:
Receive Date: 20220228
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20220228
Handler Name: DIANE COGBURN
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: DIANE COGBURN
Date Became Current:
Date Ended Current:
Phone: 916-396-7902
Source Type: Implementer
Street No:
Street 1: 1218 WOODFIELD AVENUE
Street 2:
City: SACRAMENTO
State: CA
Country:
Zip Code: 95831

Owner/Operator Ind: Current Owner
Type: Other
Name: DIANE COGBURN
Date Became Current:
Date Ended Current:
Phone: 916-396-7902
Source Type: Implementer
Street No:
Street 1: 1218 WOODFIELD AVENUE
Street 2:
City: SACRAMENTO
State: CA
Country:
Zip Code: 95831

11	1 of 2	WNW	0.23 / 1,204.39	5.40 / -3	MARSHALLS #115 1000 FLORIN RD SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:
Haz Mat BP Desc:
Haz Waste Gen Cd: A
AST Code:
AST Desc:
Tiered Prmt WG Cd:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Haz Waste Gen Desc: Active
Tanks UST Only:
UST Code:
UST Desc:
Tier Desc:
CALARP Code:
CALARP Desc:

11	2 of 2	WNW	0.23 / 1,204.39	5.40 / -3	MARSHALLS 0115 1000 FLORIN RD SACRAMENTO CA 95831-3513	RCRA NON GEN

EPA Handler ID: CAL000401814
Gen Status Universe: No Report
Contact Name: PAUL KANGAS
Contact Address: 770 COCHITUATE RD , 300.1AN , FRAMINGHAM , MA, 01701 ,
Contact Phone No and Ext: 774-308-3651
Contact Email: PAUL_KANGAS@TJX.COM
Contact Country:
County Name: SACRAMENTO
EPA Region: 09
Land Type:
Receive Date: 20141104
Location Latitude: 38.493315
Location Longitude: -121.521497

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20141104
Handler Name: MARSHALLS 0115
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: PAUL KANGAS
Date Became Current:
Date Ended Current:
Street No:
Street 1: 770 COCHITUATE RD
Street 2: 300.1AN
City: FRAMINGHAM
State: MA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:	774-308-3651	**Country:**	
Source Type:	Implementer	**Zip Code:**	01701
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	770 COCHITUATE RD
Name:	MARSHALLS OF CA LLC	**Street 2:**	
Date Became Current:		**City:**	FRAMINGHAM
Date Ended Current:		**State:**	MA
Phone:	774-308-3651	**Country:**	
Source Type:	Implementer	**Zip Code:**	01701

12	1 of 1	NE	0.23 / 1,214.39	17.74 / 9	ABRAHAM MORIONE DDS 7248 S LAND PARK DR 101 SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	I	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Inactive	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

13	1 of 3	NW	0.23 / 1,239.62	5.59 / -3	SUPER SAVER #184 [HM] 1040 FLORIN RD SACRAMENTO CA 95831	DELISTED COUNTY

Delisted County Records

Original Source Facility ID:	8080
Original Source Name:	Sacramento County Master Hazardous Materials Facility List
Record Dt:	02-JUN-2014
Record Date:	02-JUN-2014

13	2 of 3	NW	0.23 / 1,239.62	5.59 / -3	NUGGET MARKETS 1040 FLORIN RD SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	A	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Active	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

13	3 of 3	NW	0.23 / 1,239.62	5.59 / -3	NUGGET MARKET # 5 1040 FLORIN RD SACRAMENTO CA 95831	RCRA NON GEN

EPA Handler ID:	CAL000305329
Gen Status Universe:	No Report
Contact Name:	TYLER SMITH
Contact Address:	168 COURT ST , , WOODLAND , CA, 95695 ,
Contact Phone No and Ext:	530-908-0999
Contact Email:	TYLER.SMITH@NUGGETMARKET.COM
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20060410

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Latitude: 38.494602
Location Longitude: -121.520808

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060410
Handler Name: NUGGET MARKET # 5
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: NUGGET MARKET INC
Date Became Current:
Date Ended Current:
Phone: 530-669-3300
Source Type: Implementer
Street No:
Street 1: 168 COURT ST
Street 2:
City: WOODLAND
State: CA
Country:
Zip Code: 95695-3113

Owner/Operator Ind: Current Operator
Type: Other
Name: TYLER SMITH
Date Became Current:
Date Ended Current:
Phone: 530-908-0999
Source Type: Implementer
Street No:
Street 1: 168 COURT ST
Street 2:
City: WOODLAND
State: CA
Country:
Zip Code: 95695

14	1 of 9	WNW	0.25 / 1,302.53	5.83 / -3	PAUL'S CLEANERS 982 FLORIN RD SACRAMENTO CA 95831	DELISTED COUNTY

Delisted County Records

Original Source Facility ID: 6246
Original Source Name: Sacramento County Master Hazardous Materials Facility List

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Record Dt:		02-JUN-2014				
Record Date:		02-JUN-2014				

14 **2 of 9** **WNW** **0.25 / 1,302.53** **5.83 / -3** **PAUL'S CLEANERS, INC**
982 FLORIN RD
SACRAMENTO CA 95831-3515
HAZ SACRMNTO

Haz Mat Bus Plan:	A	**AST Code:**	
Haz Mat BP Desc:	Active	**AST Desc:**	
Haz Waste Gen Cd:	A	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Active	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

14 **3 of 9** **WNW** **0.25 / 1,302.53** **5.83 / -3** **PAULS CLEANERS**
982 FLORIN RD
SACRAMENTO CA
DRYCLEANERS

EPA ID:	CAL000364300	**Owner City:**	SACRAMENTO
Create Date:	6/2/2011	**Owner State:**	CA
Facility Act Ind:	Yes	**Owner Zip:**	958313515
Inact Date:		**Owner Phone:**	9163921829
Reason:	SIC/NAICS	**Owner Fax:**	9163921832
Region Code:	1	**Contact Name:**	JONG JANG
DD Latitude:	38.49448	**Contact Street 1:**	982 FLORIN RD
DD Longitude:	-121.5222	**Contact Street 2:**	
Facility County Code:	(34) SACRAMENTO	**Contact City:**	SACRAMENTO
Mail Name:		**Contact State:**	CA
Owner Name:	PETER KIM	**Contact Zip:**	95831
Owner Street 1:	982 FLORIN RD	**Contact Phone:**	9168021096
Owner Street 2:		**Contact Fax:**	9163921832

NAICS Details

NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial

14 **4 of 9** **WNW** **0.25 / 1,302.53** **5.83 / -3** **PAULS CLEANERS**
982 FLORIN RD
SACRAMENTO CA 95831-3515
RCRA TSD

EPA Handler ID:	CAL000364300
Gen Status Universe:	No Report
Contact Name:	STAN KRITSEPIS
Contact Address:	982 FLORIN RD , , SACRAMENTO , CA, 95831-3515 ,
Contact Phone No and Ext:	916-392-1829
Contact Email:	
Contact Country:	
Land Type:	
County Name:	SACRAMENTO
EPA Region:	09
Receive Date:	20110602
Location Latitude:	38.493648
Location Longitude:	-121.521924

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20110602
Handler Name:	PAULS CLEANERS
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	982 FLORIN RD
Name:	PETER KIM	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-392-1829	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831-3515

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	982 FLORIN RD
Name:	STAN KRITSEPIS	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-392-1829	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831-3515

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	*5 of 9*	*WNW*	*0.25 / 1,302.53*	*5.83 / -3*	***PAULS CLEANERS*** ***982 FLORIN RD*** ***SACRAMENTO CA 95831-3515***	***RCRA NON GEN***

EPA Handler ID:	CAL000364300
Gen Status Universe:	No Report
Contact Name:	STAN KRITSEPIS
Contact Address:	982 FLORIN RD , , SACRAMENTO , CA, 95831-3515 ,
Contact Phone No and Ext:	916-392-1829
Contact Email:	
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	20110602
Location Latitude:	38.493648
Location Longitude:	-121.521924

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20110602
Handler Name:	PAULS CLEANERS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	982 FLORIN RD
Name:	PETER KIM	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-392-1829	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831-3515
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	982 FLORIN RD
Name:	STAN KRITSEPIS	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-392-1829	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831-3515

14	***6 of 9***	***WNW***	***0.25 / 1,302.53***	***5.83 / -3***	***GREENHAVEN MODERN DENTISTRY 992 FLORIN RD SACRAMENTO CA 95831***	***RCRA NON GEN***

EPA Handler ID:	CAL000449064
Gen Status Universe:	No Report
Contact Name:	JOSEPH TAYLOR
Contact Address:	992 FLORIN RD , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-221-9970
Contact Email:	RISK@PACDEN.COM
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09

Land Type:
Receive Date: 20190919
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190919
Handler Name: GREENHAVEN MODERN DENTISTRY
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	992 FLORIN RD
Name:	AMARDEEP GILL & SERGIO VICUNA DENTAL C	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-221-9970	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	992 FLORIN RD
Name:	JOSEPH TAYLOR	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-221-9970	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

14	***7 of 9***	***WNW***	***0.25 / 1,302.53***	***5.83 / -3***	***PAULS CLEANER INC 982 FLORIN RD SACRAMENTO CA 95831***	***FED DRYCLEANERS***

FRS Facility ID: 110065170317
NPDES IDs:
NAICS Codes: 81232 812320
SIC Codes:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:		38.494				
Longitude:		-121.52151				

14	8 of 9	WNW	0.25 / 1,302.53	5.83 / -3	PAULS CLEANER INC 982 FLORIN RD SACRAMENTO CA 95831	RCRA NON GEN

EPA Handler ID: CAL000455008
Gen Status Universe: No Report
Contact Name: JONG JANG
Contact Address: 982 FLORIN RD , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext: 916-802-1096
Contact Email: JONGJANG1118@GMAIL.COM
Contact Country:
County Name: SACRAMENTO
EPA Region: 09
Land Type:
Receive Date: 20200610
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200610
Handler Name: PAULS CLEANER INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: PAULS CLEANER INC
Date Became Current:
Date Ended Current:
Phone: 916-802-1096
Source Type: Implementer

Street No:
Street 1: 982 FLORIN RD
Street 2:
City: SACRAMENTO
State: CA
Country:
Zip Code: 95831

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator		**Street No:**		
Type:	Other		**Street 1:**	982 FLORIN RD	
Name:	JONG JANG		**Street 2:**		
Date Became Current:			**City:**	SACRAMENTO	
Date Ended Current:			**State:**	CA	
Phone:	916-802-1096		**Country:**		
Source Type:	Implementer		**Zip Code:**	95831	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	9 of 9	WNW	0.25 / 1,302.53	5.83 / -3	PAULS CLEANER INC 982 FLORIN RD SACRAMENTO CA	DRYCLEANERS

EPA ID:	CAL000455008	**Owner City:**	SACRAMENTO
Create Date:	6/10/2020	**Owner State:**	CA
Facility Act Ind:	No	**Owner Zip:**	95831
Inact Date:	6/30/2020	**Owner Phone:**	9168021096
Reason:	SIC/NAICS	**Owner Fax:**	
Region Code:	1	**Contact Name:**	JONG JANG
DD Latitude:	0	**Contact Street 1:**	982 FLORIN RD
DD Longitude:	0	**Contact Street 2:**	
Facility County Code:	(34) SACRAMENTO	**Contact City:**	SACRAMENTO
Mail Name:		**Contact State:**	CA
Owner Name:	PAULS CLEANER INC	**Contact Zip:**	95831
Owner Street 1:	982 FLORIN RD	**Contact Phone:**	9168021096
Owner Street 2:		**Contact Fax:**	

NAICS Details

NAICS Code:	812320
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7389
SIC Description:	Shoe Repair and Shoeshine Parlors

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	1 of 6	NE	0.25 / 1,304.46	17.18 / 9	DENNIS L LAI DDS 7210 S LAND PARK DR, #F SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	I	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Inactive	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	2 of 6	NE	0.25 / 1,304.46	17.18 / 9	WONG & FAT CORPORATION 7210 S LAND PARK DR, #A SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:		**AST Code:**	
Haz Mat BP Desc:		**AST Desc:**	
Haz Waste Gen Cd:	I	**Tiered Prmt WG Cd:**	
Haz Waste Gen Desc:	Inactive	**Tier Desc:**	
Tanks UST Only:		**CALARP Code:**	
UST Code:		**CALARP Desc:**	
UST Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	3 of 6	NE	0.25 / 1,304.46	17.18 / 9	KENNETH HASHIMOTO DDS 7210 S LAND PARK DR, #B SACRAMENTO CA 95831	HAZ SACRMNTO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Haz Mat Bus Plan:
Haz Mat BP Desc:
Haz Waste Gen Cd: I
Haz Waste Gen Desc: Inactive
Tanks UST Only:
UST Code:
UST Desc:
AST Code:
AST Desc:
Tiered Prmt WG Cd:
Tier Desc:
CALARP Code:
CALARP Desc:

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15 | **4 of 6** | **NE** | **0.25 / 1,304.46** | **17.18 / 9** | **LAWRENCE CHU DDS**
7210 S LAND PARK DR, #D
SACRAMENTO CA 95831 | **HAZ SACRMNTO**

Haz Mat Bus Plan:
Haz Mat BP Desc:
Haz Waste Gen Cd: I
Haz Waste Gen Desc: Inactive
Tanks UST Only:
UST Code:
UST Desc:
AST Code:
AST Desc:
Tiered Prmt WG Cd:
Tier Desc:
CALARP Code:
CALARP Desc:

---

15 | **5 of 6** | **NE** | **0.25 / 1,304.46** | **17.18 / 9** | **TIMOTHY A WONG DDS/JOHN C FAT DDS**
7210 SOUTH LAND PARK DR
SACRAMENTO CA 95831-3663 | **RCRA NON GEN**

EPA Handler ID: CAL000117537
Gen Status Universe: No Report
Contact Name: TIMOTHY A. WONG/PRESIDENT
Contact Address: 7210 S LAND PARK DR STE A , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext: 916-427-2555
Contact Email: WFENDO@YAHOO.COM
Contact Country:
County Name: SACRAMENTO
EPA Region: 09
Land Type:
Receive Date: 19940509
Location Latitude: 38.495034
Location Longitude: -121.513298

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19940509
Handler Name:	TIMOTHY A WONG DDS/JOHN C FAT DDS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	7210 S LAND PARK DR STE A
Name:	T. WONG DDS/J. FAT DDS	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-427-2555	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831-0000
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	7210 S LAND PARK DR STE A
Name:	TIMOTHY A. WONG/PRESIDENT	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-427-2555	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

15	*6 of 6*	*NE*	*0.25 / 1,304.46*	*17.18 / 9*	***RONALD G FONG DDS*** ***7210 S LAND PARK DR #E*** ***SACRAMENTO CA 95831-0000***	***RCRA NON GEN***

EPA Handler ID:	CAL000124719
Gen Status Universe:	No Report
Contact Name:	RONALD G FONG DDS
Contact Address:	7210 S LAND PARK DR , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext:	916-424-0760
Contact Email:	FONGSDDS@GMAIL.COM
Contact Country:	
County Name:	SACRAMENTO
EPA Region:	09
Land Type:	
Receive Date:	19950921
Location Latitude:	38.495025
Location Longitude:	-121.513379

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19950921
Handler Name: RONALD G FONG DDS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: RONALD G FONG
Date Became Current:
Date Ended Current:
Phone: 916-424-0760
Source Type: Implementer
Street No:
Street 1: 7210 S LAND PARK DR
Street 2:
City: SACRAMENTO
State: CA
Country:
Zip Code: 95831-0000

Owner/Operator Ind: Current Operator
Type: Other
Name: RONALD G FONG DDS
Date Became Current:
Date Ended Current:
Phone: 916-424-0760
Source Type: Implementer
Street No:
Street 1: 7210 S LAND PARK DR
Street 2:
City: SACRAMENTO
State: CA
Country:
Zip Code: 95831

16	1 of 4	NW	0.25 / 1,304.86	4.63 / -4	**LITTLES CLEANERS** **1046 FLORIN RD** **SACRAMENTO CA 95831**	RCRA SQG

EPA Handler ID: CAD981670029
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: SACRAMENTO
EPA Region: 09
Land Type:
Receive Date: 19960901
Location Latitude: 38.495025
Location Longitude: -121.521006

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No

Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	LITTLES CLEANERS
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19861120
Handler Name:	LITTLES CLEANERS
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	RAY MELAVIC	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Historical Handler Details

Receive Dt:	19861120
Generator Code Description:	Large Quantity Generator
Handler Name:	LITTLES CLEANERS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of 4	NW	0.25 / 1,304.86	4.63 / -4	LITTLES CLEANERS 1046 FLORIN RD SACRAMENTO CA	DRYCLEANERS

EPA ID:	CAD981670029	**Owner City:**	--
Create Date:	4/10/1987	**Owner State:**	99
Facility Act Ind:	No	**Owner Zip:**	--
Inact Date:	1/1/1995	**Owner Phone:**	0
Reason:	CLEANERS	**Owner Fax:**	
Region Code:	1	**Contact Name:**	INACTIVE PER SURVEY 12/94 AD
DD Latitude:	38.495218	**Contact Street 1:**	--
DD Longitude:	-121.518402	**Contact Street 2:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility County Code:	(34) SACRAMENTO	**Contact City:**	--
Mail Name:		**Contact State:**	99
Owner Name:	--	**Contact Zip:**	--
Owner Street 1:	--	**Contact Phone:**	--
Owner Street 2:		**Contact Fax:**	

16 **3 of 4** **NW** **0.25 / 1,304.86** **4.63 / -4**

LITTLES CLEANERS
1046 FLORIN RD
SACRAMENTO CA 95831

EMISSIONS

1996 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Toxic Data

Facility ID:	3062	**COID:**	SAC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Toxic Data

Facility ID:	3062	**COID:**	SAC
Facility SIC Code:	7216	**DISN:**	SACRAMENTO METROPOLITAN AQMD
CO:	34	**CHAPIS:**	
Air Basin:	SV	**CERR Code:**	
District:	SAC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	*4 of 4*	*NW*	*0.25 / 1,304.86*	*4.63 / -4*	***LITTLES CLEANERS*** ***1046 FLORIN RD*** ***SACRAMENTO CA 95831***	***FED DRYCLEANERS***

FRS Facility ID:	110002744344
NPDES IDs:	
NAICS Codes:	812320 81232
SIC Codes:	
Latitude:	38.495486
Longitude:	-121.521148

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	*1 of 5*	*WNW*	*0.25 / 1,306.29*	*6.45 / -2*	***RITE AID #6084*** ***980 FLORIN RD*** ***SACRAMENTO CA 95831***	***HAZ SACRMNTO***

Haz Mat Bus Plan:	I	**AST Code:**	
Haz Mat BP Desc:	Inactive	**AST Desc:**	
Haz Waste Gen Cd:	A	**Tiered Prmt WG Cd:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Haz Waste Gen Desc: Active
Tanks UST Only:
UST Code:
UST Desc:
Tier Desc:
CALARP Code:
CALARP Desc:

17	2 of 5	WNW	0.25 / 1,306.29	6.45 / -2	RITE AID #6084 980 FLORIN RD SACRAMENTO CA 95828	RCRA LQG

EPA Handler ID: CAL000380252
Gen Status Universe: Large Quantity Generator
Contact Name: STEPHANIE A CAIATI
Contact Address: 30 , HUNTER LN , , CAMP HILL , PA, 17011 ,
Contact Phone No and Ext: 717-730-8225
Contact Email: SSCAIATI@RITEAID.COM
Contact Country:
County Name: SACRAMENTO
EPA Region: 09
Land Type: Private
Receive Date: 20140301
Location Latitude: 38.495985
Location Longitude: -121.411292

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140301
Handler Name: RITE AID #6084
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: P001
Waste Code 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%

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 232
Waste Code Description: Pesticides and other waste associated with pesticide production

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	RITE AID CORP	***Street 2:***	
Dt Became Current:	19970507	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	30
Type:	Private	***Street 1:***	HUNTER LN
Name:	THRIFTY PAYLESS	***Street 2:***	
Dt Became Current:	19970507	***City:***	CAMP HILL
Dt Ended Current:		***State:***	PA
Phone:	717-761-2633	***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	17011

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	3 of 5	WNW	0.25 / 1,306.29	6.45 / -2	BIG 5 SPORTING GOODS #321 980 FLORIN RD STE A SACRAMENTO CA 95831-3515	RCRA NON GEN

EPA Handler ID: CAL000410311
Gen Status Universe: No Report
Contact Name: ROGER TANAKA EXT 5523
Contact Address: 2525 E EL SEGUNDO BLVD , , EL SEGUNDO , CA, 90245 ,
Contact Phone No and Ext: 310-536-0611
Contact Email: ASHLEY.CAMPBELL@STERICYCLE.COM
Contact Country:
County Name: SACRAMENTO
EPA Region: 09
Land Type:
Receive Date: 20150915
Location Latitude: 38.493828
Location Longitude: -121.522955

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150915
Handler Name: BIG 5 SPORTING GOODS #321
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: ROGER TANAKA EXT 5523
Date Became Current:
Date Ended Current:
Phone: 310-536-0611
Source Type: Implementer
Street No:
Street 1: 2525 E EL SEGUNDO BLVD
Street 2:
City: EL SEGUNDO
State: CA
Country:
Zip Code: 90245

Owner/Operator Ind: Current Owner
Type: Other
Name: BIG 5 CORP
Date Became Current:
Street No:
Street 1: 2525 E EL SEGUNDO BLVD
Street 2:
City: EL SEGUNDO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current: | **State:** CA
Phone: 310-536-0611 | **Country:**
Source Type: Implementer | **Zip Code:** 90245

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17 | 4 of 5 | WNW | 0.25 / 1,306.29 | 6.45 / -2 | **THRIFTY PAYLESS INC DBA RITE AID #6084**
980 FLORIN RD
SACRAMENTO CA 95831-3515 | **C&D**
DEBRIS RECY

County: SACRAMENTO

Activity Type: SHARPS COLLECTION
Phone No: (916) 422-7202

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17 | 5 of 5 | WNW | 0.25 / 1,306.29 | 6.45 / -2 | **RITE AID #6084**
980 FLORIN RD
SACRAMENTO CA 95831-0000 | **RCRA SQG**

EPA Handler ID: CA0001007434
Gen Status Universe: Small Quantity Generator
Contact Name: JOSEPH A CHEST
Contact Address: PO BOX 3165 , , HARRISBURG , PA, 17105 , US
Contact Phone No and Ext: 717-975-8643
Contact Email: EHS@RITEAID.COM
Contact Country: US
County Name: SACRAMENTO
EPA Region: 09
Land Type: Private
Receive Date: 20221222
Location Latitude: 38.510134
Location Longitude: -121.54281

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20170414
Handler Name: RITE AID #6084
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001
Waste Code 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%

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U279
Waste Code Description: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Hazardous Waste Code: 561
Waste Code Description: Detergent and soap

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20140805
Handler Name: RITE AID NO 6084
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001
Waste Code 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%

Hazardous Waste Code: 232
Waste Code Description: Pesticides and other waste associated with pesticide production

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20220325
Handler Name: RITE AID #6084
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001
Waste Code 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%

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U279
Waste Code Description: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 561
Waste Code Description: Detergent and soap

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970725
Handler Name: RITE AID NO 6084
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20200219
Handler Name: RITE AID #6084
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	D024
Waste Code Description:	M-CRESOL
Hazardous Waste Code:	P075
Waste Code Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	141
Waste Code Description:	Off-specification, aged, or surplus inorganics
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	U188
Waste Code Description:	PHENOL
Hazardous Waste Code:	U279
Waste Code Description:	CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE
Hazardous Waste Code:	131
Waste Code Description:	Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
Hazardous Waste Code:	311
Waste Code Description:	Pharmaceutical waste
Hazardous Waste Code:	561
Waste Code Description:	Detergent and soap
Hazardous Waste Code:	U165
Waste Code Description:	NAPHTHALENE
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	P001
Waste Code 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%
Hazardous Waste Code:	343
Waste Code Description:	Unspecified organic liquid mixture
Hazardous Waste Code:	122
Waste Code Description:	Alkaline solution without metals (pH > 12.5)
Hazardous Waste Code:	541
Waste Code Description:	Photochemicals / photo processing waste
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20190429
Handler Name: RITE AID #6084
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U279
Waste Code Description: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 561
Waste Code Description: Detergent and soap

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001
Waste Code 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%

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20220207
Handler Name: RITE AID #6084
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U279
Waste Code Description: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 561
Waste Code Description: Detergent and soap

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001
Waste Code 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%

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20221222
Handler Name: RITE AID #6084
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U279
Waste Code Description: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 561
Waste Code Description: Detergent and soap

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001

Waste Code 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%

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D026
Waste Code Description: CRESOL

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	540 FULTON AVE
Name:	PETER BOLLINGER INVESTMENT	**Street 2:**	
Date Became Current:	19800624	**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-489-4600	**Country:**	US
Source Type:	Notification	**Zip Code:**	95825

Owner/Operator Ind:	Current Operator	**Street No:**	30
Type:	Private	**Street 1:**	HUNTER LN
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	CAMP HILL
Date Ended Current:		**State:**	PA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	17011

Owner/Operator Ind:	Current Operator	**Street No:**	30
Type:	Private	**Street 1:**	HUNTER LN
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	CAMP HILL
Date Ended Current:		**State:**	PA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	17011

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 3165
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	HARRISBURG
Date Ended Current:		**State:**	PA
Phone:	717-761-2633	**Country:**	US
Source Type:	Notification	**Zip Code:**	17105

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	30

Type:	Private	**Street 1:**	HUNTER LN
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	CAMP HILL
Date Ended Current:		**State:**	PA
Phone:	717-761-2633	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	17011
Owner/Operator Ind:	Current Owner	**Street No:**	540
Type:	Private	**Street 1:**	FULTON RD
Name:	PETER BOLLINGER INVESTMENT	**Street 2:**	
Date Became Current:	19800624	**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-489-4600	**Country:**	US
Source Type:	Notification	**Zip Code:**	95825
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	30 HUNTER LN
Name:	RITE AID	**Street 2:**	
Date Became Current:		**City:**	CAMP HILL
Date Ended Current:		**State:**	PA
Phone:	717-761-2633	**Country:**	
Source Type:	Notification	**Zip Code:**	17011
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	30
Type:	Private	**Street 1:**	HUNTER LN
Name:	THRIFTY PAYLESS INC	**Street 2:**	
Date Became Current:	19970509	**City:**	CAMP HILL
Date Ended Current:		**State:**	PA
Phone:	717-761-2633	**Country:**	US
Source Type:	Notification	**Zip Code:**	17011
Owner/Operator Ind:	Current Owner	**Street No:**	540
Type:	Private	**Street 1:**	FULTON RD
Name:	PETER BOLLINGER INVESTMENT	**Street 2:**	
Date Became Current:	19800624	**City:**	SACRAMENTO
Date Ended Current:		**State:**	CA
Phone:	916-489-4600	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	95825

Historical Handler Details

Receive Dt:	20220207
Generator Code Description:	Large Quantity Generator
Handler Name:	RITE AID #6084
Receive Dt:	20170414
Generator Code Description:	Very Small Quantity Generator
Handler Name:	RITE AID #6084
Receive Dt:	19970725
Generator Code Description:	Small Quantity Generator
Handler Name:	RITE AID NO 6084
Receive Dt:	20200219
Generator Code Description:	Large Quantity Generator
Handler Name:	RITE AID #6084
Receive Dt:	20220325
Generator Code Description:	Small Quantity Generator
Handler Name:	RITE AID #6084

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20140805
Generator Code Description: Large Quantity Generator
Handler Name: RITE AID NO 6084

Receive Dt: 20190429
Generator Code Description: Small Quantity Generator
Handler Name: RITE AID #6084

18	1 of 1	ENE	0.25 / 1,314.31	17.98 / 9	MICHAEL D QUESSENBERRY DDS 7230 S LAND PARK DR SACRAMENTO CA 95831	HAZ SACRMNTO

Haz Mat Bus Plan:
Haz Mat BP Desc:
Haz Waste Gen Cd: I
Haz Waste Gen Desc: Inactive
Tanks UST Only:
UST Code:
UST Desc:
AST Code:
AST Desc:
Tiered Prmt WG Cd:
Tier Desc:
CALARP Code:
CALARP Desc:

19	1 of 1	ESE	0.27 / 1,407.70	14.03 / 5	JOSHUA PORTER 7392 WILLOWLAKE WAY SACRAMENTO CA 95831	RCRA TSD

EPA Handler ID: CAC003013552
Gen Status Universe: No Report
Contact Name: JOSHUA PORTER
Contact Address: 7392 WILLOWLAKE WAY , , SACRAMENTO , CA, 95831 ,
Contact Phone No and Ext: 415-318-0524
Contact Email: FUTUREENV@SBCGLOBAL.NET
Contact Country:
Land Type:
County Name: SACRAMENTO
EPA Region: 09
Receive Date: 20190506
Location Latitude: 38.489481
Location Longitude: -121.512947

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190506
Handler Name:	JOSHUA PORTER
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	7392 WILLOWLAKE WAY
Name:	JOSHUA PORTER	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	415-318-0524	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	7392 WILLOWLAKE WAY
Name:	JOSHUA PORTER	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	415-318-0524	***Country:***	
Source Type:	Implementer	***Zip Code:***	95831

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 3	NE	0.36 / 1,918.78	16.25 / 8	CHEVRON #9-7183 1235 FLORIN RD SACRAMENTO CA	TOX SACRMNTO

Record ID:	RO0000428
State Site ID:	C315
Case Type:	O
Description:	Other Groundwater affected (uses other than drinking water)
Substance:	8006619
Remedial Action(s) Taken:	NO
Date Reported:	09/17/1996
Case Closed:	
Date Case Closed:	
Lead Agency:	HM
Lead Staff:	Langer, C.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	2 of 3	NE	0.36 / 1,918.78	16.25 / 8	CHEVRON #9-7188 #1 1235 FLORIN RD SACRAMENTO CA 95827	LUST

Global ID:	T0606700188	***Census Tract:***	6067004001
Status Date:	3/19/1996	***Match Key:***	T0606700188
Case Type:	LUST CLEANUP SITE	***County:***	SACRAMENTO
Oil Field:		***Latitude:***	38.495916
Oil Field Operator:		***Longitude:***	-121.511722
Status:	COMPLETED - CASE CLOSED	***RWQCB Region:***	

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

CUF Case:	NO
Lead Agency:	SACRAMENTO COUNTY LOP
Case Worker:	
Local Agency:	
RB Case No:	340245
Local Case No:	
File Location:	
Potential COC:	Gasoline

Potential Media of Concern: Soil
Begin Date: 12/31/1987
How Discovered:
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Valley-American - Morrison Creek - Franklin (519.11)
DWR GW Subbasin Name: Sacramento Valley - South American (5-021.65)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
EPA Region: 9
Leak Reported Dt: 1987-12-31 00:00:00
Military DoD Site: No
No Further Action Dt: 1996-03-19 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 40-45%
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: VERA FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 12/31/1987

Status: Completed - Case Closed
Status Date: 3/19/1996

Status: Open - Remediation
Status Date: 1/6/1988

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: CHEVRON #9-7188 #1
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 1235 FLORIN RD
City: SACRAMENTO
Zip: 95827
County: SACRAMENTO
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0606700188
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/19/1996
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0606700188&tabname=regulatoryhistory
Potential COC: GASOLINE
Potential Media of Concern: SOIL
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Sacramento Valley - South American (5-021.65)
Calwater Watershed Name: Valley-American - Morrison Creek - Franklin (519.11)
Post Closure Site Management:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Future Land Use:
Cleanup Oversight Agencies: SACRAMENTO COUNTY LOP (LEAD)
CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 340245
CASEWORKER: VERA FISCHER
CUF Claim No:
CUF Priority Assig:
CUF Amount Paid:
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Remediation
Date : 1/6/1988

Status: Completed - Case Closed
Date : 3/19/1996

Status: Open - Case Begin Date
Date : 12/31/1987

Sites from GeoTracker Search - Regulatory Activities (as of May 25, 2023)

Action Type: Leak Action
Action: Leak Reported
Action Date: 12/31/1987
Received Issue Date:
Doc Link:
Title Description Comments:

20	3 of 3	NE	0.36 / 1,918.78	16.25 / 8	***CHEVRON #9-7183 (CASE #2)*** ***1235 FLORIN RD*** ***SACRAMENTO CA 95827***	***LUST***

Global ID: T0606700963
Status Date: 5/17/1996
Case Type: LUST CLEANUP SITE
Oil Field:
Oil Field Operator:
Status: OPEN - SITE ASSESSMENT
Census Tract: 6067004001
Match Key: T0606700963
County: SACRAMENTO
Latitude: 38.4959049721788
Longitude: -121.511707305908
RWQCB Region:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

CUF Case: NO
Lead Agency: SACRAMENTO COUNTY LOP
Case Worker: CWL
Local Agency: SACRAMENTO COUNTY LOP
RB Case No: 341138
Local Case No: RO0000428
File Location: Local Agency
Potential COC: Gasoline
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil
Begin Date: 5/17/1996

How Discovered:
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Valley-American - Morrison Creek - Franklin (519.11)
DWR GW Subbasin Name: Sacramento Valley - South American (5-021.65)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Manual Entry on Screens
Discharge Cause:
Discharge Source:
EPA Region: 9
Leak Reported Dt: 1996-05-17 00:00:00
Military DoD Site: No
No Further Action Dt:
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 40-45%
Site History:

A complete site history is located here.

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: RESPONSE
Date : 6/27/2023
Action: Correspondence

Action Type: RESPONSE
Date : 9/30/2023
Action: Well Installation Report

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: CHARLEY LANGER
Organization Name: SACRAMENTO COUNTY LOP
Address: 11080 WHITE ROCK ROAD, SUITE 200
City: RANCHO CORDOVA
Email: langerc@saccounty.net
Phone No: 9165912648

Contact Type: Regional Board Caseworker
Contact Name: VERA FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 5/17/1996

Status: Open - Site Assessment
Status Date: 5/17/1996

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: CHEVRON #9-7183 (CASE #2)
Site Facility Type: LUST CLEANUP SITE

Cleanup Status:	OPEN - SITE ASSESSMENT
Address:	1235 FLORIN RD
City:	SACRAMENTO
Zip:	95827
County:	SACRAMENTO
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T0606700963
Cleanup Status Detail:	OPEN - SITE ASSESSMENT AS OF 5/17/1996
Project Status:	
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0606700963&tabname=regulatoryhistory
Potential COC:	GASOLINE
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
File Location:	LOCAL AGENCY
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
DWR GW Sub Basin:	Sacramento Valley - South American (5-021.65)
Calwater Watershed Name:	Valley-American - Morrison Creek - Franklin (519.11)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	SACRAMENTO COUNTY LOP (LEAD) - CASE #: C315 CASEWORKER: CHARLEY LANGER CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 341138 CASEWORKER: VERA FISCHER SACRAMENTO COUNTY - CASE #: RO0000428
CUF Claim No:	
CUF Priority Assig:	
CUF Amount Paid:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
Project Oversight Agencies:	
Facility Type:	
Composting Method:	
Grndwtr Monitoring Frequency:	# OF WELLS MONITORED - SEMI-ANNUALLY : 4, ANNUALLY : 3
Designated Beneficial Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:	

A complete site history is located here.

LUST Sites from GeoTracker Search - Cleanup Status History

Status:	Open - Case Begin Date
Date :	5/17/1996
Status:	Open - Site Assessment
Date :	5/17/1996

Sites from GeoTracker Search - Regulatory Activities (as of May 25, 2023)

Action Type:	Other Regulatory Actions
Action:	Meeting
Action Date:	7/10/2008
Received Issue Date:	7/10/2008
Doc Link:	
Title Description Comments:	

CWL: Meeting with George Forsythe (CRA), David Herzog (CRA), Charley Langer (SCEMD), William Martinez (CRA), Edward Weyrens (CRA):
• CRA will install well(s) to evaluate the extent of downgradient (east) impact to groundwater for the UST tank area. Locations have been tentatively agreed upon. A site access agreement has been submitted to Chevron for processing to gain necessary access to the parking lot east of the Chevron site.
• CRA will evaluate trends in concentrations of TPHg in MW 5 and MtBE in MW 1.
• SCEMD requested that CRA evaluate remedial alternatives for the site. MNA may provide the most cost effective solution.
• Perform a Risk Assessment for the site.

Action Type:	Response Requested - Other

Action: Other Report / Document
Action Date: 5/16/2008
Received Issue Date: 5/12/2008
Doc Link:
Title Description Comments:

Report of steps taken to gain off-parcel access

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/12/2008
Received Issue Date: 5/12/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=5979571&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the responsible parties to submit, by August 29, 2008, a workplan for the additional characterization.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 5/12/2008
Received Issue Date: 5/12/2008
Doc Link:
Title Description Comments:

CWL: I reviewed CRA, April 30, 2008, Response to Letter Dated March 6, 2008, Chevron Station 9-9183, 1235 Florin Road, Sacramento, California. it is still my opinion that contaminated groundwater in the vicinity of monitoring well MW 5 and the presumed source (i.e., the underground tanks) is not adequately defined.

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 4/30/2008
Received Issue Date: 4/30/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054436
Title Description Comments:

Correspondence

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 4/7/2008
Received Issue Date: 4/7/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054425
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: File review
Action Date: 3/6/2008
Received Issue Date: 3/6/2008
Doc Link:
Title Description Comments:

I reviewed the file, and in particular: Gettler Ryan Inc., December 7, 2007, Fourth Quarter Event of November 2, 2007, Groundwater Monitoring & Sampling Report, Chevron Station #9-9183, 1235 Florin Road, Sacramento, California. Contaminated groundwater in the vicinity of monitoring well MW 5 is not adequately defined. A workplan to complete the delineation has been accepted by our office, but apparently has not yet been implemented due to difficulty in gaining access to off-parcel properties.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 3/6/2008
Received Issue Date: 3/6/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472055&temptable=ENFORCEMENT

Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 3/6/2008
Received Issue Date: 3/6/2008
Doc Link:
Title Description Comments:

CWL: I drafted a letter directing the responsible parties to submit, by May 16, 2008, a report of steps taken to date to gain access to the off-parcel properties. The report should include backup documentation, including copies of letters sent and certified mail receipts.

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 10/17/2013
Received Issue Date: 10/17/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6179767&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 7/30/2013
Received Issue Date: 7/30/2013
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 5/31/2013
Received Issue Date: 5/31/2013
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Well Installation Workplan - Regulator Responded
Action Date: 5/31/2013
Received Issue Date: 5/31/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=5775434
Title Description Comments:

Work Plan for Additional Site Investigation and Monitoring Wells Installation dated 05312013

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 2/26/2013
Received Issue Date: 2/26/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6150535&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the RP to submit, by May 31, 2013, a workplan proposing additional characterization of the MTBE plume.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 10/11/2007
Received Issue Date: 10/11/2007
Doc Link:
Title Description Comments:

CWL: I reviewed the file:
* Initial (09/14/05) TPHg, benzene, and MTBE concentrations in MW 5 were 66000, <3.0, and <3.0 µg/l, respectively. Current (07/30/07) TPHg, benzene, and MTBE concentrations are 7300, <0.5, <0.5 µg/l, repectively.
* Batch groundwater extraction from MW 5 in August 2007 removed approximately 3400 gallons of water, and 0.25 pounds of TPHg in 12 hours (i.e.,

approximately 0.5 lbs/day).
* Contaminated groundwater in the vicinity of MW 5 is not well-defined.
* MTBE concentrations in MW 1 may be increasing. MTBE was last measured (07/30/07) at 86 µg/l in MW 1.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 9/18/2007
Received Issue Date: 9/18/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472051&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/26/2013
Received Issue Date: 2/26/2013
Doc Link:
Title Description Comments:

CWL: I reviewed Conestoga-Rovers & Associates (CRA), October 11, 2012, Additional Investigation and Well Installation Report, Chevron Service Station 97183, 1235 Florin Road, Sacramento, California. The investigation report concludes that, based on analytical results, the downgradient extent of TPHg and BTEX appears adequately defined. I agree with this. The extent of MTBE in groundwater, however, needs further assessment. At location CPT 8, which is the furthest downgradient sampling point thus far down what appears to be the MTBE plume centerline, MTBE was detected at 3,000 ug/L and 470 ug/L at 35 and 56 fbg, respectively.

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 9/28/2012
Received Issue Date: 10/11/2012
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 5/7/2012
Received Issue Date: 5/7/2012
Doc Link:
Title Description Comments:

CWL: I reviewed Conestoga-Rovers & Associates (CRA), April 24, 2012, Site Conceptual Model and Additional Investigation Work Plan, Chevron Service Station 97183, 1235 Florin Road, Sacramento, California. Two borings are proposed between the USTs and the cone penetration test (CPT) borings recently advanced to the east of the property. Two additional shallow monitoring wells will be installed further to the east and east-northeast of the property. Finally, to further evaluate the offsite extent of MTBE in deeper groundwater, exploratory borings will be drilled to the north-northeast and east-northeast of the property. The borings will be drilled to between 70 and 80 feet using a CPT rig to collect information on lithology, the location of water-bearing zones, and the chemical concentrations in those zones. The workplan is acceptable.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/7/2012
Received Issue Date: 5/7/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6130408&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the RP to complete the proposed activities and submit the results to this office by September 28, 2012.

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 3/30/2012
Received Issue Date: 4/24/2012
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions

Action: File review
Action Date: 12/5/2011
Received Issue Date: 12/5/2011
Doc Link:
Title Description Comments:

CWL: I reviewed Conestoga-Rovers & Associates (CRA), November 7, 2011, Subsurface Investigation Report, Chevron Service Station 9-7183, 1235 Florin Road, Sacramento, California. The results indicate that the extent of MTBE in groundwater is undefined to the north and northwest, and that the extents of TPHg and BTEX are inadequately understood at this time. Further assessment of the MTBE and TPHg/BTEX plumes is recommended by CRA. However, certain data inconsistencies suggest the possibility of at least one additional release source; thus, CRA recommends some additional activities prior to developing a workplan for the next scope of work. I concur.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/5/2011
Received Issue Date: 12/5/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6106504&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the RP to complete the activities and submit a workplan for further investigation to this office by March 30, 2012.

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: *10/31/2011
Received Issue Date: 11/7/2011
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 5/11/2010
Received Issue Date: 5/11/2010
Doc Link:
Title Description Comments:

CWL: I reviewed the file. Installation of two additional monitoring wells on the adjacent property to the east is planned to further evaluate the extent of impacted groundwater. However, the work has been delayed due to property access issues. Chevron is currently working with the property owner to finalize an access agreement in order for CRA to proceed with the well installations.

Action Type: Other Regulatory Actions
Action: File Review - Closure
Action Date: 8/14/2009
Received Issue Date: 8/14/2009
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 8/3/2009
Received Issue Date: 8/3/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054403
Title Description Comments:

Correspondence

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 7/7/2009
Received Issue Date: 7/7/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054402
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: File review
Action Date: 4/7/2009
Received Issue Date: 4/7/2009
Doc Link:
Title Description Comments:

CWL: Review QSR

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 3/25/2009
Received Issue Date: 3/25/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6007734&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted an email notifying the RP's consultant that July 31, 2009 is an acceptable deadline for the forthcoming well installation report.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 3/25/2009
Received Issue Date: 3/25/2009
Doc Link:
Title Description Comments:

CWL: I reviewed a request to extend the well installation report deadline to July 31, 2009. The request is acceptable.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/19/2009
Received Issue Date: 2/19/2009
Doc Link:
Title Description Comments:

CWL: I reviewed 4Q08 QSR. No significant changes.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 1/6/2009
Received Issue Date: 1/6/2009
Doc Link:
Title Description Comments:

CWL: I reviewed the file. Issues requiring further attention:
• Additional wells to delineate impacts downgradient of the tank area. Locations tentatively agreed upon.
• Evaluation of concentration trends and remedial technologies. MNA is likely the appropriate solution.
• Assessment of risks to human health (i.e., vapor intrusion to indoor air).
I directed the RPs to implement the GW investigation workplan and submit the well installation report by December 19, 2008. Off-parcel site access agreement in negotiation. RP anticipates submission of report to our office by March 2009.
Current max GW conc: TPHg, benzene, and MTBE at 5400, <0.5, and 55 ug/l, respectively.

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 12/19/2008
Received Issue Date: 11/7/2011
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 12/15/2008
Received Issue Date: 12/15/2008

Doc Link:
Title Description Comments:

CWL: I reviewed CRA, December 3, 2008, Chevron 9-7183 Extension Request. An access agreement was sent to the property owner on October 7, 2008. The revised access agreement has been sent from the property owner to Chevron for review. Chevron is currently in the process or reviewing and making changes to the agreement. CRA proposes to have the access agreement executed, the investigation complete, and the report submitted to our office by March 30, 2009.

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 12/5/2008
Received Issue Date: 12/5/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054400
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 8/29/2008
Received Issue Date: 8/29/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=5985978&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the RPs to implement the proposed scope of work and submit the well installation report to this office by December 19, 2008.

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 8/29/2008
Received Issue Date: 8/29/2008
Doc Link:
Title Description Comments:

Soil and Water Investigation Workplan

Action Type: Other Regulatory Actions
Action: File review
Action Date: 8/29/2008
Received Issue Date: 8/29/2008
Doc Link:
Title Description Comments:

CWL: I reviewed Conestoga-Rovers & Associates (CRA), August 19, 2008, Workplan for Monitoring Well Installation, Chevron Station 9-7183, 1235 Florin Road, Sacramento, California. The workplan is acceptable.

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 4/18/2001
Received Issue Date: 4/18/2001
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055623
Title Description Comments:

Site Assessment Work Plan

Action Type: Notices
Action: Notice of Responsibility
Action Date: 9/30/1997
Received Issue Date: 9/30/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473855&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Other
Action: Unauthorized Release Form
Action Date: 1/29/1997
Received Issue Date: 1/29/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055615
Title Description Comments:

Unauthorized Release Form

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 9/26/1996
Received Issue Date: 9/26/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055636
Title Description Comments:

Laboratory Results

Action Type: Leak Action
Action: Leak Discovery
Action Date: 5/17/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 5/17/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 5/17/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File Review - Closure
Action Date: 3/20/1996
Received Issue Date: 3/20/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473870&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 8/4/1997
Received Issue Date: 8/4/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055635
Title Description Comments:

Site Assessment Report

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 3/8/1997
Received Issue Date: 3/8/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055642
Title Description Comments:

Site Assessment Work Plan

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: *6/30/2023
Received Issue Date:
Doc Link:
Title Description Comments:

- Arcadis successfully installed three monitoring wells, but the remaining three locations have been delayed due to an objection from the property owner. The development and surveying of the newly installed wells have also been delayed. Arcadis continues to contact the property owner to identify and resolve their concerns and complete the work. Arcadis has requested a three-month extension of the reporting deadline to June 30, 2023, in order to complete the remaining installations.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/2/2022
Received Issue Date: 12/2/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6516203&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Well Installation Workplan - Regulator Responded
Action Date: 11/29/2022
Received Issue Date: 11/29/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6084594
Title Description Comments:

Well Installation Work Plan

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: *11/29/2022
Received Issue Date: 11/29/2022
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 8/17/2022
Received Issue Date: 8/17/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6502479&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: *7/8/2022
Received Issue Date: 7/5/2022
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 1/18/2022
Received Issue Date: 1/18/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6484740&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Other Workplan - Regulator Responded

Action Date: 12/30/2021
Received Issue Date: 12/30/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6064341
Title Description Comments:

Conceptual Site Model Update and Data Gap Assessment Work Plan

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 8/27/2021
Received Issue Date: 8/27/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6474770&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: *12/16/2019
Received Issue Date: 12/16/2019
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 6/27/2019
Received Issue Date: 6/27/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6407296&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Regulator Responded
Action Date: 5/31/2019
Received Issue Date: 5/2/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=5992093
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 2/5/2019
Received Issue Date: 2/5/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6384558&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 7/30/2018
Received Issue Date: 7/30/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6365275&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan - Regulator Responded
Action Date: 7/27/2018
Received Issue Date: 7/27/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=5971174
Title Description Comments:

Work Plan Addendum

Action Type: Other Regulatory Actions

Action: Email Correspondence
Action Date: 6/19/2018
Received Issue Date: 6/19/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6361554&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan - Regulator Responded
Action Date: 5/15/2018
Received Issue Date: 5/15/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=5967664
Title Description Comments:

Updated Conceptual Site Model and Site Assessment Work Plan

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 6/23/2017
Received Issue Date: 6/23/2017
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6324315&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan - Regulator Responded
Action Date: 4/28/2017
Received Issue Date: 4/28/2017
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=5927410
Title Description Comments:

Q217 Work Plan for Additional Site Assessment 4/28/2017

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 1/30/2017
Received Issue Date: 1/30/2017
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6310245&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 11/5/2015
Received Issue Date: 11/5/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6266518&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Well Installation Workplan - Regulator Responded
Action Date: 10/9/2015
Received Issue Date: 10/9/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=5866205
Title Description Comments:

Work Plan for GW Monitoring Well Installation

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 3/25/2015
Received Issue Date: 3/25/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6240048&temptable=ENFORCEMENT

Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 12/16/2014
Received Issue Date: 12/16/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6230898&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 4/21/2014
Received Issue Date: 4/21/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6200503&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 4/18/2014
Received Issue Date: 4/18/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6200423&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 4/3/2014
Received Issue Date: 4/3/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6198328&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/12/2011
Received Issue Date: 5/12/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6086533&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the RP to implement the proposed scope of work, potentially modified as discussed above, and submit the investigation report to this office by September 30, 2011.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 5/12/2011
Received Issue Date: 5/12/2011
Doc Link:
Title Description Comments:

CWL: I reviewed Conestoga-Rovers & Associates (CRA), March 17, 2011, Subsurface Investigation Work Plan, Chevron Service Station 9-7183, 1235 Florin Road, Sacramento, California. The workplan proposes three soil borings. Grab-groundwater samples are proposed at first-encountered groundwater and at targeted intervals, based on the results of the CPT electronic logging, to a maximum depth of approximately 70 feet. The workplan is conceptually the same as the approach discussed in a recent meeting with CRA, and is acceptable. However, based on comments from in-office peer reviewers, I believe it is likely that an additional downgradient boring will be necessary in the future. If the consultant wishes to add a boring approximately 100 feet northeast of MW 4, I will accept such a proposal without an additional workplan or addendum.

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: *11/16/2010
Received Issue Date: 3/27/2011
Doc Link:

Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 7/9/2010
Received Issue Date: 7/9/2010
Doc Link:
Title Description Comments:

CWL: I recently received preliminary results of a tetrachloroethylene (PCE) investigation being conducted on the Freeport Farms property at 1301 Florin Road. During the investigation, gasoline constituents (MTBE and 1,2 DCA) were detected above water quality objectives in a groundwater sample collected at 57 feet below ground surface (bgs) at a location approximately 500 feet downgradient of Chevron Service Station 9 7183. The Chevron station is the nearest known potential source of the groundwater contamination. Due to the apparent extent of contamination and the limited scope of the previous proposal, it is now my opinion that the August 2008 workplan will not be sufficient to adequately characterize the site.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 9/14/2007
Received Issue Date: 9/14/2007
Doc Link:
Title Description Comments:

CWL: I drafted a letter documenting my concurrence with the proposal; however, the RPs are directed to continue to run, at least annually, the full list of oxygenates/lead scavengers (i.e., MTBE, ethanol, TBA, DIPE, TAME, ETBE, 1,2 DCA, and EDB) on samples collected from all wells.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 9/14/2007
Received Issue Date: 9/14/2007
Doc Link:
Title Description Comments:

CWL: I reviewed Conestoga-Rovers & Associates (CRA), August 24, 2007, Sampling Reduction Request, Chevron Station 9-9183, 1235 Florin Road, Sacramento, California. CRA recommends:
* sampling wells MW 2, MW 3, and MW 4 annually during second quarter;
* analyzing samples from MW 6 for TPHg, BTEX, TRPH, MTBE, TBA, DIPE, TAME, ETBE, 1,2 DCA, and EDB annually during second quarter;
* analyzing samples from MW 6 for PAHs and LUFT metals quarterly; and
* discontinuing some analyses for ethanol, TBA, DIPE, TAME, ETBE, 1,2 DCA, and/or EDB in samples collected from wells MW 1 through MW 5.

I concur with the recommendations for the most part. I concur with the recommendations for the most part.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 7/24/2007
Received Issue Date: 7/24/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472048&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 6/21/2007
Received Issue Date: 6/21/2007
Doc Link:
Title Description Comments:

CRA submitted GW extraction results and proposed 2 additional events. WPD accepted proposal.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 6/21/2007
Received Issue Date: 6/21/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472047&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 3/30/2007
Received Issue Date: 3/30/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054408
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 2/9/2007
Received Issue Date: 2/9/2007
Doc Link:
Title Description Comments:

Cambria proposed a batch GW extraction Event in a workplan dated 2/6/07. WPD accepted workplan.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 2/9/2007
Received Issue Date: 2/9/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472043&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 9/6/2006
Received Issue Date: 9/6/2006
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054407
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/2/2006
Received Issue Date: 5/2/2006
Doc Link:
Title Description Comments:

Accepted work plan to install GW MW downgradient of MW-5 to better define GW contamination

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/2/2006
Received Issue Date: 5/2/2006
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473876&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/12/2005
Received Issue Date: 12/12/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473875&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter

Action Date: 6/24/2005
Received Issue Date: 6/24/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473871&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 7/9/2010
Received Issue Date: 7/9/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6056816&temptable=ENFORCEMENT
Title Description Comments:

CWL: I drafted a letter directing the RPs to, by October 15, 2010, submit a workplan proposing additional work necessary to characterize the site and define the extent of groundwater contamination. In particular, the workplan should include:
• A proposal to advance a sufficient number of continuous core samples (or CPTs) to adequately characterize the lithology between the Chevron station and the discovered contamination.
• A proposal to collect a sufficient number of "grab" groundwater samples to adequately characterize the gasoline contamination, and define its lateral and vertical extents.
• A proposal to install a sufficient number of wells to monitor the contamination. The number and placement of the wells should be based on results of the "grab" groundwater samples.
• A quality assurance plan appropriate for the scope of work. At a minimum, this should include sampling and sample handling SOPs, and some discussion of how data quality indicators will be reviewed and data suitability determined.
• A proposal to complete a site investigation report with content and format consistent with CVRWQCB, April 16, 2004.
• A schedule that is reasonable to both of the responsible parties and likely to be acceptable to this agency. I advised the RPs that the rate of progress to date is not acceptable and that unnecessary delays may lead to enforcement.

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 10/14/2004
Received Issue Date: 10/14/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055602
Title Description Comments:

Site Assessment Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/29/2004
Received Issue Date: 9/29/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054494
Title Description Comments:

Quarterly Status Report

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 7/16/2004
Received Issue Date: 7/16/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055604
Title Description Comments:

Correspondence

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Addendum
Action Date: 3/1/2004
Received Issue Date: 3/1/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054492
Title Description Comments:

Work Plan Addendum

Action Type: Response Requested - Other

Action: Correspondence
Action Date: 1/1/2004
Received Issue Date: 1/1/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6054497
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/6/2002
Received Issue Date: 12/6/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473860&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 6/14/2005
Received Issue Date: 6/14/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473828&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 12/14/2004
Received Issue Date: 12/14/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055612
Title Description Comments:

Quarterly Status Report

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 9/24/2002
Received Issue Date: 9/24/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700963&doc_id=6055619
Title Description Comments:

Site Assessment Work Plan

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 8/30/2002
Received Issue Date: 8/30/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473863&temptable=ENFORCEMENT
Title Description Comments:

Sites from GeoTracker Search - Site Maps (as of May 25, 2023)

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: MW-19 BORING LOG/CONSTRUCTION DIAGRAM (MW-19)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9663775444/T0606700963.PDF

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: GEO BORE SB-11 (SB-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8557518720/T0606700963.PDF

Submitted: 7/5/2022

Submitted By: ARCADIS (CONTRACTOR)
Title: GEO BORE SB-12 (SB-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4673556685/T0606700963.PDF

Submitted: 11/7/2006
Submitted By: GHD (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1627011954/T0606700963.pdf

Submitted: 11/8/2011
Submitted By: GHD (CONTRACTOR)
Title: GEO BORE_CPT-02 (CPT-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7019866228/T0606700963.PDF

Submitted: 11/17/2014
Submitted By: ARCADISMBU (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8461355626/T0606700963.PDF

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: MW-20 BORING LOG/CONSTRUCTION DIAGRAM (MW-20)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4080524027/T0606700963.PDF

Submitted: 7/4/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3054034590/T0606700963.PDF

Submitted: 11/8/2011
Submitted By: GHD (CONTRACTOR)
Title: GEO BORE_CPT-04 (CPT-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1163304150/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: MW-8 BORING LOG/CONSTRUCTION DIAGRAM (MW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2801679491/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: CPT-5 LOG (CPT-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3448651909/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: CPT-8 LOG (CPT-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3409683167/T0606700963.PDF

Submitted: 3/24/2021
Submitted By: ARCADIS (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3442294538/T0606700963.PDF

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: MW-21 BORING LOG/CONSTRUCTION DIAGRAM (MW-21)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2997546732/T0606700963.PDF

Submitted: 5/26/2005
Submitted By: GHD (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4372220695/T0606700963.pdf

Submitted: 11/8/2011
Submitted By: GHD (CONTRACTOR)
Title: GEO BORE_CPT-01 (CPT-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8791686296/T0606700963.PDF

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: MW-18 BORING LOG/CONSTRUCTION DIAGRAM (MW-18)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4966021537/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9856460511/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: CPT-6 LOG (CPT-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7113449037/T0606700963.PDF

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: MW-22 BORING LOG/CONSTRUCTION DIAGRAM (MW-22)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9741229057/T0606700963.PDF

Submitted: 11/7/2006
Submitted By: GHD (CONTRACTOR)
Title: GEO_BORE (MW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2785616815/T0606700963.pdf

Submitted: 11/8/2011
Submitted By: GHD (CONTRACTOR)
Title: GEO BORE_CPT-03 (CPT-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3584416210/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8808317065/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: MW-9 BORING LOG/CONSTRUCTION DIAGRAM (MW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2907882630/T0606700963.PDF

Submitted: 10/11/2012
Submitted By: GHD (CONTRACTOR)
Title: CPT-7 LOG (CPT-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3027221620/T0606700963.PDF

Submitted: 7/5/2022
Submitted By: ARCADIS (CONTRACTOR)
Title: MW-17 BORING LOG/CONSTRUCTION DIAGRAM (MW-17)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1118884086/T0606700963.PDF

Sites from GeoTracker Search - Documents (as of May 25, 2023)

Document Type: Monitoring Reports ***Document Date:*** 4/24/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 1Q06 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4261671304/T0606700963.PDF

Document Type: Site Documents ***Document Date:*** 10/17/2013
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6179767

Document Type: Site Documents ***Document Date:*** 10/11/2012
Type: WELL INSTALLATION REPORT ***Submitted:***
Submitted By: GHD (CONTRACTOR)
Title: 97183 ADDITIONAL INVESTIGATION AND WELL INSTALLATION REPORT 10-11-2012

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4293121278/T0606700963.PDF

Document Type: Site Documents **Document Date:** 8/29/2008
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=5985978

Document Type: Site Documents **Document Date:** 4/7/2008
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054425

Document Type: Site Documents **Document Date:** 2/16/2007
Type: REPORTS - OTHER **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183 WP FOR BATCH GW EXTRACTION 2-6-07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1291595280/T0606700963.PDF

Document Type: Site Documents **Document Date:** 2/18/2021
Type: CORRESPONDENCE **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: NOTIFICATION OF MANAGER CHANGE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6146273970/T0606700963.PDF

Document Type: Site Documents **Document Date:** 7/26/2018
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: WORK PLAN ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9283636689/T0606700963.PDF

Document Type: Site Documents **Document Date:** 5/14/2018
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: UPDATED CONCEPTUAL SITE MODEL AND SITE ASSESSMENT WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1662195026/T0606700963.PDF

Document Type: Site Documents **Document Date:** 4/14/2016
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: MONITORING WELL INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9071876287/T0606700963.PDF

Document Type: Site Documents **Document Date:** 1/8/2014
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: RESPONSE TO COMMENTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9310274243/T0606700963.PDF

Document Type: Site Documents **Document Date:** 5/9/2006
Type: CORRESPONDENCE - OTHER **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: SAC COUNTY LOCAL REMEDIATION PROGRAM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4053479850/T0606700963.PDF

Document Type: Site Documents **Document Date:** 5/23/2005
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: WORK PLAN FOR SITE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7264508903/T0606700963.PDF

Document Type: Site Documents **Document Date:** 10/14/2004
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055602

Document Type: Site Documents **Document Date:** 1/1/2004

Type: CORRESPONDENCE ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054497

Document Type: Monitoring Reports ***Document Date:*** 7/29/2016
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: STANTEC (CONTRACTOR)
Title: 97183 2Q16 GROUNDWATER MONITORING REPORT 07292016
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7352003633/T0606700963.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/28/2015
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: STANTEC (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT THIRD QUARTER 2015
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4688941299/T0606700963.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/20/2009
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: GHD (CONTRACTOR)
Title: 9-7183-3Q09 GWM RPT 2009-10-20
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5111502408/T0606700963.PDF

Document Type: Monitoring Reports ***Document Date:*** 3/23/2007
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 1ST QTR 2007 M&S REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5638473331/T0606700963.PDF

Document Type: Site Documents ***Document Date:*** 4/24/2012
Type: SITE CONCEPTUAL MODEL ***Submitted:***
Submitted By: GHD (CONTRACTOR)
Title: 97183 SITE CONCEPTUAL MODEL AND ADDITIONAL INVESTIGATION WORK PLAN 04-24-2012
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7159421563/T0606700963.PDF

Document Type: Site Documents ***Document Date:*** 8/19/2008
Type: WELL INSTALLATION WORKPLAN ***Submitted:***
Submitted By: GHD (CONTRACTOR)
Title: 9-7183 WORKPLAN FOR MONITORING WELL INSTALL. 08-19-08
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6811874866/T0606700963.PDF

Document Type: Site Documents ***Document Date:*** 2/9/2007
Type: STAFF LETTER ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472043

Document Type: Site Documents ***Document Date:*** 9/6/2006
Type: CORRESPONDENCE ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054407

Document Type: Site Documents ***Document Date:*** 6/24/2005
Type: STAFF LETTER ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473871

Document Type: Site Documents ***Document Date:*** 6/14/2005
Type: STAFF LETTER ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473828

Document Type: Site Documents ***Document Date:*** 8/30/2002
Type: STAFF LETTER ***Submitted:***
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473863

Document Type: Site Documents **Document Date:** 9/30/1997
Type: NOTICE OF RESPONSIBILITY **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: NOTICE OF RESPONSIBILITY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473855

Document Type: Site Documents **Document Date:** 11/4/1996
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ANTEA GROUP (CONTRACTOR)
Title: 1996.11.04_RPLD
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8392654061/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/23/2019
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SECOND HALF 2018 GROUNDWATER MONITORING AND PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6156638026/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 12/19/2014
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: THIRD QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3911043286/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/7/2014
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: SECOND SEMIANNUAL 2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3954049289/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/13/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 4Q05 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7480390250/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 4/4/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 1Q05 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1586225211/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 8/24/2017
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: Q217 FIRST SEMI-ANNUAL 2017 GROUNDWATER MONITORING REPORT 8/24/2017
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8146002411/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/29/2014
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: SECOND QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1651298284/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 4/4/2013
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: SECOND SEMIANNUAL 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2399448454/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 6/29/2010
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183-1SA10 GMR 2010-6-28
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6376855432/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 12/17/2009

Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7198-4Q09 GW MONITORING RPT 2009-12-17
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2109567105/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/28/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2008 4QTR EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9021038234/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/29/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2008 2QTR EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5865895152/T0606700963.PDF

Document Type: Site Documents **Document Date:** 12/2/2022
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6516203

Document Type: Site Documents **Document Date:** 12/29/2021
Type: OTHER WORKPLAN **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: CONCEPTUAL SITE MODEL UPDATE AND DATA GAP ASSESSMENT WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3994326949/T0606700963.PDF

Document Type: Site Documents **Document Date:** 7/9/2010
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6056816

Document Type: Site Documents **Document Date:** 5/12/2008
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=5979571

Document Type: Site Documents **Document Date:** 4/30/2008
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054436

Document Type: Site Documents **Document Date:** 2/7/2019
Type: CORRESPONDENCE **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: CHANGE IN PROJECT MANAGEMENT NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8914837777/T0606700963.PDF

Document Type: Site Documents **Document Date:** 6/23/2017
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6324315

Document Type: Site Documents **Document Date:** 4/28/2017
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: Q217 WORK PLAN FOR ADDITIONAL SITE ASSESSMENT 4/28/2017
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3101805269/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/1/2004
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)

Title: WORK PLAN ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054492

Document Type: Site Documents **Document Date:** 8/4/1997
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ANTEA GROUP (CONTRACTOR)
Title: 19970804_SOIL AND GROUNDWATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7533802688/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/20/1996
Type: FILE REVIEW - CLOSURE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: FILE REVIEW - CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473870

Document Type: Monitoring Reports **Document Date:** 1/27/2023
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, SECOND HALF 2022
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4661562919/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/30/2020
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, FIRST HALF 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9696251630/T0606700963.PDF

Document Type: Site Documents **Document Date:** 5/31/2013
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: WORK PLAN FOR ADDITIONAL SITE INVESTIGATION AND MONITORING WELLS INSTALLATION DATED 05312013 - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=5775434

Document Type: Site Documents **Document Date:** 10/18/2012
Type: CORRESPONDENCE **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: NOTIFICATION OF CHEVRON PROJECT MANAGER & CONSULTANT CHANGE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6053044140/T0606700963.PDF

Document Type: Site Documents **Document Date:** 11/16/2010
Type: CORRESPONDENCE **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183-RESPONSE TO SCEMD 2010-11-16
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2736188530/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/6/2008
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472055

Document Type: Site Documents **Document Date:** 8/28/2007
Type: CORRESPONDENCE - OTHER **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183 SAMPLING REDUCTION REQUEST 8-24-07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5863752603/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 8/8/2018
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: FIRST HALF 2018 GROUNDWATER MONITORING AND PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6777859628/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 5/7/2018
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SECOND HALF 2017 GROUNDWATER MONITORING AND PROGRESS REPORT

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6634881794/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/2/2013
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: FIRST SEMIANNUAL 2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7190209567/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/28/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183-2Q09 GW MONITOIRNG RPT 2009-7-28
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4687319099/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 3/17/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2009 1QTR EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5360680699/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 10/20/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2008 3QTR EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4532898426/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/23/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2007 2QTR M&S REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9142072916/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 11/14/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 3Q05 M&S AND WELL DEV REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1946988761/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 9/29/2004
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: QUARTERLY STATUS REPORT - QUARTERLY STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9627805411/20050609114232000%5F004053217%5F0%5FFNETLIB1%5Epwafnetlib%5FEMDQTRSAM%2EPDF

Document Type: Site Documents **Document Date:** 5/2/2019
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: 97183 WELL INSTALLATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5908318579/T0606700963.PDF

Document Type: Site Documents **Document Date:** 1/30/2017
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6310245

Document Type: Site Documents **Document Date:** 11/5/2015
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6266518

Document Type: Site Documents **Document Date:** 9/29/2014
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: ADDITIONAL SITE INVESTIGATION AND MONITORING WELL INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6068368136/T0606700963.PDF

Document Type: Site Documents **Document Date:** 2/17/2014
Type: CORRESPONDENCE **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: RISK-BASED DECISION LETTER TO CHARLEY LANGER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5295661270/T0606700963.PDF

Document Type: Site Documents **Document Date:** 4/20/2006
Type: WORKPLANS - OTHER WP **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: WP MW INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2133560001/T0606700963.PDF

Document Type: Site Documents **Document Date:** 12/12/2005
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473875

Document Type: Site Documents **Document Date:** 9/26/1996
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: LABORATORY RESULTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055636

Document Type: Site Documents **Document Date:** 6/27/2019
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6407296

Document Type: Site Documents **Document Date:** 10/9/2015
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: REVISED WORK PLAN FOR GW MONITORING WELL INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2339498937/T0606700963.PDF

Document Type: Site Documents **Document Date:** 4/18/2014
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6200423

Document Type: Site Documents **Document Date:** 4/3/2014
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6198328

Document Type: Site Documents **Document Date:** 7/7/2009
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054402

Document Type: Monitoring Reports **Document Date:** 4/21/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2008 1QTR REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7176302850/T0606700963.PDF

Document Type: Site Documents **Document Date:** 6/21/2007
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472047

Document Type: Site Documents **Document Date:** 4/17/2007
Type: REPORTS - OTHER **Submitted:**

Submitted By: GHD (CONTRACTOR)
Title: 9-7183 GW BATCH EXTRACTION RESULTS 4-16-07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9449355900/T0606700963.PDF

Document Type: Site Documents **Document Date:** 9/24/2002
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: SITE ASSESSMENT WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055619

Document Type: Site Documents **Document Date:** 4/18/2001
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: SITE ASSESSMENT WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055623

Document Type: Monitoring Reports **Document Date:** 7/14/2022
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, FIRST HALF 2022
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8234246015/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/7/2022
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, SECOND HALF 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9529880106/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/30/2019
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: FIRST HALF 2019 GROUNDWATER MONITORING AND PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6219506323/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/30/2017
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: Q416 SECOND HALF 2016 SEMI-ANNUAL GROUNDWATER MONITORING REPORT 1/30/2017
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3607874274/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 2/12/2016
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: 97183 4Q15 GROUNDWATER MONITORING REPORT 02122016
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2021036505/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 6/15/2012
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: FIRST SEMI-ANNUAL 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7488172411/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 10/17/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 3Q06 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4901722550/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/14/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2Q06 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5863477408/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/17/2011
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: GHD (CONTRACTOR)

Title: SUBSURFACE INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7789628028/T0606700963.PDF

Document Type: Site Documents **Document Date:** 9/18/2007
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472051

Document Type: Site Documents **Document Date:** 1/14/2020
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: WELL COMPLETION REPORT ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8836752772/T0606700963.PDF

Document Type: Site Documents **Document Date:** 12/16/2019
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: 97183 WELL INSTALLATION REPORT AND SITE ASSESMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9227336049/T0606700963.PDF

Document Type: Site Documents **Document Date:** 7/30/2018
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6365275

Document Type: Site Documents **Document Date:** 6/19/2018
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6361554

Document Type: Site Documents **Document Date:** 10/9/2015
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: WORK PLAN FOR GW MONITORING WELL INSTALLATION - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=5866205

Document Type: Site Documents **Document Date:** 5/2/2006
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473876

Document Type: Site Documents **Document Date:** 7/16/2004
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055604

Document Type: Site Documents **Document Date:** 8/4/1997
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055635

Document Type: Site Documents **Document Date:** 11/29/2022
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: WELL INSTALLATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8750262260/T0606700963.PDF

Document Type: Site Documents **Document Date:** 8/17/2022
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6502479

Document Type: Site Documents **Document Date:** 7/5/2022
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: DATA GAP ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9567509353/T0606700963.PDF

Document Type: Site Documents **Document Date:** 1/18/2022
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6484740

Document Type: Site Documents **Document Date:** 10/28/2005
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8189695060/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/8/1997
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: SITE ASSESSMENT WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055642

Document Type: Monitoring Reports **Document Date:** 7/23/2015
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: 1SA GWMR (ARCADIS)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9328819036/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/22/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2007 4QTR REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6130857169/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 9/20/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2007 3QTR M&S REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8949949502/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/22/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 4Q06 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3297895669/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 7/22/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2Q05 MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3248593986/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2004
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: QUARTERLY STATUS REPORT - QUARTERLY STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3572827994/20050623101433000%5F004060549%5F0%5FFNETLIB1%5Epwafnetlib%5FEMDQTRSAM%2EPDF

Document Type: Monitoring Reports **Document Date:** 7/29/2011
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: FIRST SEMI-ANNUAL 2011 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1575453996/T0606700963.PDF

Document Type: Site Documents **Document Date:** 8/27/2021

Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6474770

Document Type: Site Documents **Document Date:** 3/24/2020
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: 97183 CHANGE OF PROJECT MANAGER LETTER - SACRAMENTO COUNTY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7026531517/T0606700963.PDF

Document Type: Site Documents **Document Date:** 2/5/2019
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6384558

Document Type: Site Documents **Document Date:** 6/30/2015
Type: CORRESPONDENCE **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: MOC LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9956869542/T0606700963.PDF

Document Type: Site Documents **Document Date:** 4/21/2014
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6200503

Document Type: Site Documents **Document Date:** 2/26/2013
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6150535

Document Type: Site Documents **Document Date:** 12/5/2011
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6106504

Document Type: Site Documents **Document Date:** 3/25/2009
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6007734

Document Type: Site Documents **Document Date:** 10/4/2007
Type: REPORTS - OTHER **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183 GW BATCH EXTRACTION RESULTS 10-2-07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6056384027/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/30/2007
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054408

Document Type: Site Documents **Document Date:** 5/31/2013
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: WORK PLAN FOR ADDITIONAL SITE INVESTIGATION AND MONITORING WELLS INSTALLATION DATED 05312013
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2697846889/T0606700963.PDF

Document Type: Site Documents **Document Date:** 8/15/2012
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: GHD (CONTRACTOR)

Title: 97183 WORK NOTIFICATION LETTER 08-15-2012
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7769332826/T0606700963.PDF

Document Type: Site Documents **Document Date:** 5/7/2012
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6130408

Document Type: Site Documents **Document Date:** 11/7/2011
Type: SITE INVESTIGATION **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3996943175/T0606700963.PDF

Document Type: Site Documents **Document Date:** 5/12/2011
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6086533

Document Type: Site Documents **Document Date:** 8/3/2009
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054403

Document Type: Site Documents **Document Date:** 12/5/2008
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6054400

Document Type: Site Documents **Document Date:** 7/24/2007
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6472048

Document Type: Monitoring Reports **Document Date:** 2/4/2015
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: FOURTH QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7182466030/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 4/21/2014
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6772157788/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/9/2012
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: SECOND SEMI-ANNUAL 2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4130711376/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/25/2011
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: SECOND SEMI ANNUAL 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9820795714/T0606700963.PDF

Document Type: Site Documents **Document Date:** 11/7/2006
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: 9-7183 SSI RPT 11-6-06
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7575697183/T0606700963.PDF

Document Type: Site Documents **Document Date:** 12/6/2002
Type: STAFF LETTER **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: STAFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6473860

Document Type: Site Documents **Document Date:** 1/29/1997
Type: UNAUTHORIZED RELEASE FORM **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: UNAUTHORIZED RELEASE FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&document_id=6055615

Document Type: Monitoring Reports **Document Date:** 8/21/2021
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, FIRST HALF 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4844826459/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 1/27/2021
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, THIRD AND FOURTH QUARTERS 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6083260297/T0606700963.PDF

Document Type: Monitoring Reports **Document Date:** 3/10/2020
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ARCADIS (CONTRACTOR)
Title: SEMI-ANNUAL STATUS REPORT, SECOND HALF 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7800817668/T0606700963.PDF

Document Type: Site Documents **Document Date:** 12/5/2018
Type: WELL DESTRUCTION REPORT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GROUNDWATER SAMPLING AND WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8278024494/T0606700963.PDF

Document Type: Site Documents **Document Date:** 7/22/2016
Type: CORRESPONDENCE **Submitted:**
Submitted By: STANTEC (CONTRACTOR)
Title: NOTIFICATION OF STANTEC PROJECT MANAGER CHANGE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5971825778/T0606700963.PDF

Document Type: Site Documents **Document Date:** 3/25/2015
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6240048

Document Type: Site Documents **Document Date:** 12/16/2014
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: CHARLEY W. LANGER (REGULATOR)
Title: EMAIL CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700963&enforcement_id=6230898

Document Type: Site Documents **Document Date:** 6/6/2014
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: DAVID EVANS (AUTH_RP)
Title: FUEL DISPENSER CONTAINMENT REPLACEMENT SOIL SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2119651138/T0606700963.PDF

21	1 of 3	ENE	0.45 / 2,395.21	18.10 / 9	**FREEPORT FARMS DEVELOPMENT COMPA** **1301 FLORIN RD** **SACRAMENTO CA**	**TOX SACRMNTO**

Record ID: RO0001663
State Site ID: C376
Case Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description:
Substance:
Remedial Action(s) Taken: NO
Date Reported:
Case Closed:
Date Case Closed:
Lead Agency: HM
Lead Staff: Langer, C.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	2 of 3	ENE	0.45 / 2,395.21	18.10 / 9	FREEPORT FARMS DEVELOPMENT 1301 FLORIN ROAD SACRAMENTO CA	CLEANUP SITES

Global ID:
Status:
Status Date:
Site Facility Type: COMPLEX SITE CLEANUP PROGRAM FACILITY
Data Source: Cleanup Program Sites from GeoTracker Search
County:
Latitude:
Longitude:
RWQCB Region:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	3 of 3	ENE	0.45 / 2,395.21	18.10 / 9	Freeport Farms Development - Former Paul's Cleaners 1301 Florin Road Sacramento CA	CLEANUP SITES

Global ID: T10000012997
Status: Open - Remediation
Status Date: 12/6/2022
Site Facility Type: Cleanup Program Site
Data Source: Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: Sacramento
Latitude: 38.49686
Longitude: -121.5105
RWQCB Region: CENTRAL VALLEY RWQCB (REGION 5S)

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No:
Begin Date: 5/14/2019
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Tetrachloroethylene (PCE)
How Discovered:
Stop Method:
Stop Description:
Case Worker: DPL
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt:
Potential Media of Concern: Aquifer used for drinking water supply, Soil, Soil Vapor
How Discovered Description:
Calwater Watershed Name: Valley-American - Morrison Creek - Franklin (519.11)
DWR GW Subbasin Name: Sacramento Valley - South American (5-021.65)
Disadvantaged Community:
Coordinate Source: Manual Entry on Screens
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 46-50%
Calenviroscreen 4 Score: 40-45%
File Location: Regional Board
Site History:

The former Paul's Cleaners was one of two dry cleaners operating at 1301 Florin Road. Operations at the dry cleaners resulted in the release of the dry cleaning solvent tetrachloroethylene (PCE) to the subsurface. Remedial actions to remove PCE from soil and groundwater at the Site are continuing as of 2020. The former Paul's and former Huggins sites have been managed as a unit, and monitoring reports and other documents generally cover both sites. These documents can be found on the Huggins Cleaners geotracker site (click on Freeport Farms Development under Complex Site Cleanup Program Facility above, then click on the Huggin's Dry Cleaners case).

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status:	Open - Active
Status Date:	2019-05-14 00:00:00
Status:	Open - Case Begin Date
Status Date:	2019-05-14 00:00:00
Status:	Open - Site Assessment
Status Date:	2019-05-14 00:00:00
Status:	Open - Site Assessment
Status Date:	2022-12-01 00:00:00
Status:	Open - Remediation
Status Date:	2021-08-01 00:00:00
Status:	Open - Remediation
Status Date:	2022-12-06 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	DURIN LINDERHOLM
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 Sun Center Drive, Suite 200
City:	RANCHO CORDOVA
Email:	dlinderholm@waterboards.ca.gov
Phone No:	9164644657

Cleanup Program Sites from GeoTracker Search - Regulatory Profile

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	REGIONAL BOARD
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
Designated Beneficl Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:	
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000012997
Cleanup Status Detail:	OPEN - REMEDIATION AS OF 12/6/2022
Potential COC:	TETRACHLOROETHYLENE (PCE)
Potential Media of Concern:	AQUIFER USED FOR DRINKING WATER SUPPLY, SOIL, SOIL VAPOR
Groundwater Monitoring Freq:	
DWR GW Sub Basin:	Sacramento Valley - South American (5-021.65)
CalWater Watershed Name:	Valley-American - Morrison Creek - Franklin (519.11)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) CASEWORKER: DURIN LINDERHOLM
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include? global_id=T10000012997&tabname=regulatoryhistory

Site History:

The former Paul's Cleaners was one of two dry cleaners operating at 1301 Florin Road. Operations at the dry cleaners resulted in the release of the dry cleaning solvent tetrachloroethylene (PCE) to the subsurface. Remedial actions to remove PCE from soil and groundwater at the Site are continuing as of 2020. The former Paul's and former Huggins sites have been managed as a unit, and monitoring reports and other documents generally cover both sites. These documents can be found on the Huggins Cleaners geotracker site (click on Freeport Farms Development under Complex Site Cleanup Program Facility above, then click on the Huggin's Dry Cleaners case).

Sites from GeoTracker Search - Cleanup Action Report (as of May 25, 2023)

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)
Begin Date: 1/1/2020
End Date: 12/30/2021
Phase: Water
Contaminant Mass Removed:
Description: Conducted injections of potassium permanganate in 2020 using dedicated injection points.

Action Type: SOIL VAPOR EXTRACTION (SVE)
Begin Date: 1/1/2022
End Date: 12/30/2022
Phase: Soil Vapor
Contaminant Mass Removed:
Description: Continued operation of soil vapor extraction system. SVE system extracts vapors from several vertical and horizontal wells. Effluent is treated with granular activated carbon and discharged to the atmosphere.

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)
Begin Date: 12/5/2022
End Date: 12/7/2022
Phase: Water
Contaminant Mass Removed:
Description: In-situ injection of potassium permanganate targeting areas showing continued elevated concentrations of PCE and TCE following 2020 injection program. Approximately 15,000 gallons of 1.5% permanganate solution injected into four wells.

Sites from GeoTracker Search - Regulatory Activities (as of May 25, 2023)

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 3/17/2023
Received Issue Date: 3/17/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6534642&temptable=ENFORCEMENT
Title Description Comments:

Comments on 2022 Annual Monitoring Report and Transmittal of Draft MRP

Action Type: Other Regulatory Actions
Action: Site Visit / Inspection / Sampling
Action Date: 12/6/2022
Received Issue Date: 12/6/2022
Doc Link:
Title Description Comments:

Site Visit - Potassium Permanganate Injection Conducted site visit to observe Risk-based Decisions conduct potassium permanganate injections.

Action Type: Cleanup Action
Action: In Situ Physical/Chemical Treatment (other than SVE)
Action Date: 12/5/2022
Received Issue Date:
Doc Link:
Title Description Comments:

In-situ injection of potassium permanganate targeting areas showing continued elevated concentrations of PCE and TCE following 2020 injection program. Approximately 15,000 gallons of 1.5% permanganate solution injected into four wells.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 9/30/2022
Received Issue Date: 9/30/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6507219&temptable=ENFORCEMENT
Title Description Comments:

Approval of Additional ISCO Injections - Former Paul's Cleaners

Action Type: Other Regulatory Actions
Action: Verbal Communication
Action Date: 9/13/2022
Received Issue Date: 9/13/2022
Doc Link:
Title Description Comments:

Call to discuss additional ISCO injections

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 9/2/2022
Received Issue Date: 9/2/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6507223&temptable=ENFORCEMENT
Title Description Comments:

Email Correspondence - Additional Injections

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 8/19/2022
Received Issue Date: 8/19/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6507222&temptable=ENFORCEMENT
Title Description Comments:

Email correspondence RE: Additional ISCO Injections

Action Type: Cleanup Action
Action: Soil Vapor Extraction (SVE)
Action Date: 1/1/2022
Received Issue Date:
Doc Link:
Title Description Comments:

Continued operation of soil vapor extraction system. SVE system extracts vapors from several vertical and horizontal wells. Effluent is treated with granular activated carbon and discharged to the atmosphere.

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 7/9/2020
Received Issue Date: 7/9/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6440923&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter for Cost Recovery Program - 2050502

Action Type: Cleanup Action
Action: In Situ Physical/Chemical Treatment (other than SVE)
Action Date: 1/1/2020
Received Issue Date:
Doc Link:

Title Description Comments:

Conducted injections of potassium permanganate in 2020 using dedicated injection points.

Action Type: Response Requested - Reports
Action: Site Investigation
Action Date: 5/3/2019
Received Issue Date: 5/3/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000012997&doc_id=5997966
Title Description Comments:

April 2019 Groundwater and CPT Investigation

Sites from GeoTracker Search - Documents (as of May 25, 2023)

Document Type: Site Documents ***Document Date:*** 9/30/2022
Type: STAFF LETTER ***Submitted:***
Submitted By: DURIN LINDERHOLM (REGULATOR)
Title: APPROVAL OF ADDITIONAL ISCO INJECTIONS - FORMER PAUL'S CLEANERS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6507219

Document Type: Site Documents ***Document Date:*** 9/2/2022
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: DURIN LINDERHOLM (REGULATOR)
Title: EMAIL CORRESPONDENCE - ADDITIONAL INJECTIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6507223

Document Type: Site Documents ***Document Date:*** 7/9/2020
Type: ANNUAL ESTIMATION LETTER ***Submitted:***
Submitted By: WILL ZIMMERMAN (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FOR COST RECOVERY PROGRAM - 2050502
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6440923

Document Type: Site Documents ***Document Date:*** 10/2/2014
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN ***Submitted:***
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS GROUNDWATER REMEDIATION WORKPLAN FOR FORMER HUGGINS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7586250066/T10000001238.PDF

Document Type: Monitoring Reports ***Document Date:*** 4/30/2013
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FIRST QUARTER 2013 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2717622280/T10000001238.PDF

Document Type: Monitoring Reports ***Document Date:*** 4/30/2011
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FIRST QUARTER 2011 GROUNDWATER MONITORING REPORT VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9920231640/T10000001238.PDF

Document Type: Monitoring Reports ***Document Date:*** 1/31/2018*
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2017 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOL. 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7957077264/T10000001238.PDF

Document Type: Monitoring Reports ***Document Date:*** 7/31/2017
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOL. 1 OF 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9539313971/T10000001238.PDF

Document Type: Monitoring Reports ***Document Date:*** 4/30/2017

Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FIRST QUARTER 2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7047918915/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2017*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2016 GROUNDWATER MONITORING AND REMEDIATION REPORT VOLUME 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7820845186/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2016
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 1Q16 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 04.30.16
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1271490514/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2017
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: THIRD QUARTER 2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2818319916/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2015*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 4Q14/ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOL 2 OF 3 01.31.15
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3867422521/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2014*
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 4Q13/ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1764438688/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2014*
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 4Q13/ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9139596164/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 3Q13 GROUNDWATER MONITORING AND REMEDIATION REPORT (VOLUME 2 OF 2)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6564208269/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FIRST QUARTER 2011 GROUNDWATER MONITORING REPORT VOL 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3375528991/T10000001238.PDF

Document Type: Site Documents **Document Date:** 12/3/2014
Type: OTHER WORKPLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS CPT WORKPLAN 12.03.14
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5955115616/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**

Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RAP REPORT VOLUME 4 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1503274142/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RAP REPORT VOLUME 3 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2162706494/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RAP REPORT VOLUME 6 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8243213713/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 4 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3606977343/T10000001238.PDF

Document Type: Site Documents **Document Date:** 8/30/2010
Type: REMEDIAL INVESTIGATION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RI REPORT VOL 4
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7347498595/T10000001238.PDF

Document Type: Site Documents **Document Date:** 3/22/2010
Type: REMEDIAL INVESTIGATION WORKPLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RI WORKPLAN VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3985819518/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 1Q2019 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4108319222/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 4 OF 4
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6168503046/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q18 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7072824299/T10000001238.PDF

Document Type: Site Documents **Document Date:** 8/19/2022
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: DURIN LINDERHOLM (REGULATOR)
Title: EMAIL CORRESPONDENCE RE: ADDITIONAL ISCO INJECTIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6507222

Document Type: Site Documents **Document Date:** 5/3/2019
Type: SITE INVESTIGATION **Submitted:**
Submitted By: DURIN LINDERHOLM (REGULATOR)
Title: APRIL 2019 GROUNDWATER AND CPT INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&document_id=5997966

Document Type: Site Documents **Document Date:** 2/4/2014*

Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 3 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6475136935/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/10/2011
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: SVE PILOT TEST REPORT VOL 3 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2024794816/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/10/2011
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: SVE PILOT TEST REPORT VOL 5 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8530103325/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/10/2011
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: SVE PILOT TEST REPORT VOL 2 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8788218200/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2017 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOL. 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6646368622/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8682235002/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/5/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS: ADDENDUM TO REMEDIAL ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7406312465/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RAP REPORT VOLUME 2 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3912110805/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/10/2011
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: SVE PILOT TEST REPORT VOL 4 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5694193542/T10000001238.PDF

Document Type: Site Documents **Document Date:** 10/14/2010
Type: REMEDIAL INVESTIGATION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RI REPORT VOLUME 1
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3268800139/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2018 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 2 OF 4
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4756951391/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2018 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 3 OF 4
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1768670141/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2015*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 4Q14/ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOL 1 OF 3 01.31.15
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3011812329/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2014
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 1Q14 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 04.30.14
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8639059484/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 4Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2262985169/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS-FOURTH QUARTER 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1422646939/T10000001238.PDF

Document Type: Site Documents **Document Date:** 3/17/2023
Type: STAFF LETTER **Submitted:**
Submitted By: DURIN LINDERHOLM (REGULATOR)
Title: COMMENTS ON 2022 ANNUAL MONITORING REPORT AND TRANSMITTAL OF DRAFT MRP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000012997&enforcement_id=6534642

Document Type: Site Documents **Document Date:** 6/3/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: REMEDIAL ACTION PLAN ADDENDUM, 1301 FLORIN ROAD, SACRAMENTO, SACRAMENTO COUNTY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4618961393/T10000001238.PDF

Document Type: Site Documents **Document Date:** 9/30/2010
Type: INTERIM REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS INTERIM REMEDIAL ACTION PLAN VOL 1
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8397791564/T10000001238.PDF

Document Type: Site Documents **Document Date:** 8/30/2010
Type: REMEDIAL INVESTIGATION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RI REPORT VOL 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4383821785/T10000001238.PDF

Document Type: Site Documents **Document Date:** 8/30/2010
Type: REMEDIAL INVESTIGATION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RI REPORT VOL 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9749108850/T10000001238.PDF

Document Type: Site Documents **Document Date:** 3/22/2010
Type: REMEDIAL INVESTIGATION WORKPLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RI WORKPLAN VOL 1 OF 2

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9469162940/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q2018 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOLUME 1 OF 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7251671850/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2016*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: THIRD QUARTER 2016 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9159461677/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2016*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: THIRD QUARTER 2016 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3367774724/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2015*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 2Q15 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 07.31.15
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5485296666/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2015*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 4Q14/ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOL 3 OF 3 01.31.15
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3345659375/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS RAP REPORT VOLUME 5 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2389817714/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 2 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5780335903/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 1 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8662736415/T10000001238.PDF

Document Type: Site Documents **Document Date:** 9/30/2010
Type: INTERIM REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: INTERIM REMEDIAL ACTION PLAN VOL. 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4029214441/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q18 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2757988989/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2017
Type: MONITORING REPORT - QUARTERLY **Submitted:**

Submitted By: IJAZ JAMAL (AUTH_RP)
Title: THIRD QUARTER 2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8063516438/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2017
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOL. 3 OF 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7430589675/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2016*
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 4Q15 ANNUAL GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 01.31.16
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7027595281/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2015*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 3Q15 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 10.31.15
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3510908663/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2015
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 1Q15 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 04.30.15
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8971758008/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 4Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT- VOL 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5075849413/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8426542162/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q 2011 GROUNDWATER MONITORING REPORT VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3730071961/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 2Q 2011 GROUNDWATER MONITORING REPORT VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8617719292/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 1 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9177773654/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/10/2011
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: SVE PILOT TEST REPORT VOL 1 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2310605645/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 4Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT-VOL 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1367145597/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOL 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2550229907/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS FIRST QUARTER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6883010804/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2017*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2016 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2175070405/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2016*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 2Q16 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT 07.31.16
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9379812657/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q13 FREEPORT FARMS GROUNDWATER MONITORING AND REMEDIATION REPORT (VOLUME 1 OF 2)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7135379850/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 4Q 2012 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOL 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4939206957/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 6 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1610368847/T10000001238.PDF

Document Type: Site Documents **Document Date:** 2/4/2014*
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS REMEDIAL ACTION PLAN VOLUME 5 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8206582248/T10000001238.PDF

Document Type: Site Documents **Document Date:** 5/10/2011
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: SVE PILOT TEST REPORT VOL 6 OF 6
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7951609313/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 1Q2019 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8629467904/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 1/31/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FOURTH QUARTER/ANNUAL 2018 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 1 OF 4
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9239004731/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q2018 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOLUME 2 OF 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8381971895/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q2018 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT VOLUME 3 OF 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8252195894/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2018*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 1Q18 GROUNDWATER MONITORING & REMEDIATION PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9787222504/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2017
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 2Q2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOL. 2 OF 3
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3264335334/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2017
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FIRST QUARTER 2017 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT VOLUME 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7236609101/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2014
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 3Q14 GROUNDWATER MONITORING AND REMEDIATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6725531876/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2014*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 2Q14 GROUNDWATER MONITORING AND REMEDIATION PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6726289868/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 2Q13 GROUNDWATER MONITORING AND REMEDIATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4796384692/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: 3Q 2011 GROUNDWATER MONITORING REPORT VOL 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2919356584/T10000001238.PDF

Document Type: Monitoring Reports **Document Date:** 7/31/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: IJAZ JAMAL (AUTH_RP)
Title: FREEPORT FARMS 2ND Q 2011 GROUNDWATER MONITORING REPORT VOL 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9140151917/T10000001238.PDF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sites from GeoTracker Search - Cleanup Status History (as of May 25, 2023)

Status: Open - Case Begin Date
Date: 5/14/2019

Status: Open - Remediation
Date: 8/1/2021

Status: Open - Active
Date: 5/14/2019

Status: Open - Remediation
Date: 12/6/2022

Status: Open - Site Assessment
Date: 12/1/2022

Status: Open - Site Assessment
Date: 5/14/2019

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22 | ***1 of 2*** | ***NE*** | ***0.46 / 2,417.46*** | ***16.62 / 8*** | ***HOLLAND CLEANERS 7115 SOUTH LAND PARK DRIVE SACRAMENTO CA 95831*** | ***ENVIROSTOR***

Estor/EPA ID: 34720156
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6067004001
Site Type: * HISTORICAL
Address Description: 7115 SOUTH LAND PARK DRIVE
Office: CLEANUP SACRAMENTO
Special Program:
Funding:
Assembly District: 10
Senate District: 08
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SACRAMENTO
Latitude: 38.4966666666667
Longitude: -121.511388888889
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: REFER: OTHER AGENCY AS OF 11/16/1994
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: REFER: OTHER AGENCY
Program Type: HISTORICAL
CalEnviroScreen Score: 40-45%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=34720156

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22 | ***2 of 2*** | ***NE*** | ***0.46 / 2,417.46*** | ***16.62 / 8*** | ***HOLLAND CLEANERS 7115 SOUTH LAND PARK DRIVE SACRAMENTO CA 95831*** | ***CALSITES***

ID No: 34720156
Status Date: 11/16/1994
NPL:
Tier:
Fund:
Access :
Access Code: NOT REPORTED
Cortese:
Hrscore:
Hrsdate:
Groundwater Contam:
Assembly:
Senate:
Region: 1
Region Name: SACRAMENTO
County Co: 34
Facility County: SACRAMENTO
Lat Deg: 0
Lat Min: 0
Lat Sec: 0
Lat Dir:
Long Deg: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

GW Code: NOT REPORTED
No Sources: 0
RWQCB Name: CENTRAL VALLEY
Branch Name: CENTRAL CALIFORNIA
Staff:
Senior:
Long Min: 0
Long Sec: 0
Long Dir:
LImethod:
LIdesc:
Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Type Name: N/A
Lead Name: N/A
SIC Name: PERSONAL SERVICES
Filename:
Comments:

QUESTIONNAIRE SENT

Background:

23	1 of 2	ENE	0.50 / 2,619.76	18.27 / 10	JOHN SMALL'S SHELL STATION 1315 FLORIN RD SACRAMENTO CA	TOX SACRMNTO

Record ID: RO0000429
State Site ID: E523
Case Type: O
Description: Other Groundwater affected (uses other than drinking water)
Substance: 8006619
Remedial Action(s) Taken: NO
Date Reported: 05/22/1995
Case Closed: Yes
Date Case Closed: 12/14/2007
Lead Agency: HM
Lead Staff: Marcus, B.

23	2 of 2	ENE	0.50 / 2,619.76	18.27 / 10	SHELL - JOHN SMALL'S I-5 1315 FLORIN RD SACRAMENTO CA 95831	LUST

Global ID: T0606700863
Status Date: 12/14/2007
Case Type: LUST CLEANUP SITE
Oil Field:
Oil Field Operator:
Status: COMPLETED - CASE CLOSED
Census Tract: 6067004001
Match Key: T0606700863
County: SACRAMENTO
Latitude: 38.495787376
Longitude: -121.510777136
RWQCB Region:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

CUF Case: YES
Lead Agency: SACRAMENTO COUNTY LOP
Case Worker:
Local Agency:
RB Case No: 341035
Local Case No: E523
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential COC: Gasoline
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 5/10/1995
How Discovered: UST System Modification
How Discovered Description: Sampling below lines and dispensers
Stop Method: Replace Vapor Recovery Piping, Replace product piping
Stop Description: Like what it says over to the left.
Calwater Watershed Name: Valley-American - Morrison Creek - Franklin (519.11)
DWR GW Subbasin Name: Sacramento Valley - South American (5-021.65)
Disadvantaged Community:

CalEnvScreen Score:
Coordinate Source: * Historical Geocode - Exact Address Match
Discharge Cause: Unknown
Discharge Source: Other
EPA Region: 9
Leak Reported Dt: 1995-05-12 00:00:00
Military DoD Site: No
No Further Action Dt: 2007-12-14 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 40-45%
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: VERA FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 5/12/1995

Status: Open - Case Begin Date
Status Date: 5/10/1995

Status: Completed - Case Closed
Status Date: 12/14/2007

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: SHELL - JOHN SMALL'S I-5
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 1315 FLORIN RD
City: SACRAMENTO
Zip: 95831
County: SACRAMENTO
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0606700863
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/14/2007
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0606700863&tabname=regulatoryhistory
Potential COC: GASOLINE
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Sacramento Valley - South American (5-021.65)
Calwater Watershed Name: Valley-American - Morrison Creek - Franklin (519.11)
Post Closure Site Management: NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
NOTIFY PRIOR TO SUBSURFACE WORK
Future Land Use: COMMERCIAL
Cleanup Oversight Agencies: SACRAMENTO COUNTY LOP (LEAD) - CASE #: E523
CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 341035
CASEWORKER: VERA FISCHER
CUF Claim No: 16265
CUF Priority Assig: D
CUF Amount Paid: $90,856

WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Case Begin Date
Date : 5/10/1995

Status: Completed - Case Closed
Date : 12/14/2007

Status: Open - Site Assessment
Date : 5/12/1995

Sites from GeoTracker Search - Cleanup Action Report (as of May 25, 2023)

Action Type: OTHER (USE DESCRIPTION FIELD)
Begin Date: 3/29/2007
End Date:
Phase: Water
Contaminant Mass Removed:
Description: Batch extraction from well S-4.

Sites from GeoTracker Search - Regulatory Activities (as of May 25, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 12/14/2007
Received Issue Date: 12/14/2007
Doc Link:
Title Description Comments:

NO FURTHER ACTION DOCUMENTS DATED 12/14/2007 SENT OUT.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 12/6/2007
Received Issue Date: 12/6/2007
Doc Link:
Title Description Comments:

Prepared NFA documents with date of December 14, 2007 to allow time for Director's office review and signature.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/3/2007
Received Issue Date: 12/3/2007
Doc Link:
Title Description Comments:

Received "Well Abandonment Report" from WaynePerry. All wells destroyed and waste removed.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 4/7/2005
Received Issue Date: 4/7/2005
Doc Link:
Title Description Comments:

Met with Shell and Cambria. A Corrective Action Plan is in the process of being prepared and the due date for submittal is June 1, 2005.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 3/11/2005
Received Issue Date: 3/11/2005
Doc Link:
Title Description Comments:

In response to a letter from Cambria I sent a letter rquesting that Shell prepare a CAP for the site.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/3/2005
Received Issue Date: 2/3/2005
Doc Link:
Title Description Comments:

Reviewed the results report for a site investigation that took place in August of 2004. Wrote a letter to Shell indicating that the extent of soil and groundwater impacts appeared to be defined and that remedial actions be investigated. I also suggested that this site might be amenable for the States Pay for Performance Program.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 10/31/2007
Received Issue Date: 10/31/2007
Doc Link:
Title Description Comments:

10/30/2007 - Received Q3 2007 status report from WaynePerry. 10/31/2007 - Reviewed status report. Wells were destroyed between October 2-4 , 2007. WP will submit a report once the waste drums have been removed and they receive disposal documents. Blaine Tech sampled the wells on Aaugust 13, 2007 - one last time before destruction. MTBE was detected in only in well S-4, at 110 ppb - the lowest concentration detected in the well. Consistent with declining trend.

Action Type: Other Regulatory Actions
Action: Preparation of Agenda Item
Action Date: 8/24/2007
Received Issue Date: 8/24/2007
Doc Link:
Title Description Comments:

Presented site to closure committee for closure consideration. Closure granted with RWQCB concurrence pending well destruction.

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 3/18/2004
Received Issue Date: 3/18/2004
Doc Link:
Title Description Comments:

Met with Shell and Cambria. The next round of site investigation activities is scheduled for April 5 and 6.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/20/2004
Received Issue Date: 2/20/2004
Doc Link:

Title Description Comments:

Review both the 4th QMR and a proposal to modify the location of monitoring wells that was approved in August of 2001. The delay in implementing the workplan was the result of difficulties in obtaining offsite access. Groundwater samples from all three wells currently on site were below lab limits for all COCs. Wrote an email to Shell and their consultant approving the new well locations. Work is scheduled to start soon.

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 10/27/2003
Received Issue Date: 10/27/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949905
Title Description Comments:

Groundwater Monitoring Report - Third Quarter 2003

Action Type: Other Regulatory Actions
Action: File review
Action Date: 8/2/2007
Received Issue Date: 8/2/2007
Doc Link:
Title Description Comments:

07/16/2007 - Received Q2 2007 status report from WaynePerry. Includes Blaine Tech's monitoring report. 08/02/2007 - Reviewed report. Blaine Tech sampled the site on May 17, 2007. MTBE was again only detected in well MW-4, at 200 ppb. Benzene was not detected in any well. Vac ops was performed from S-4 five times between March 29 and April 26, 2007, removing approximately 1,000 gallons of groundwater. TPHg was not detected in S-1,2 or 3 during this sampling event. Added new data to trend table. Ran trend tests.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 5/2/2007
Received Issue Date: 5/2/2007
Doc Link:
Title Description Comments:

Finished trend analysis. Both TPHg and MTBE in well S-4 show a declining trend. However, I noticed that TPHg was detected in wells S-1,2, and 3 the last time they were sampled. TPHg was never detected before in S-1 and S-2 and only once before in S-3. Wrote letter to Shell suggesting that they sample these wells next quarter to see if the detections were anomalous.

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 7/21/2003
Received Issue Date: 7/21/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949906
Title Description Comments:

Groundwater Monitoring Report - Second Quarter 2003

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/13/2003
Received Issue Date: 2/13/2003
Doc Link:
Title Description Comments:

EDF Review

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/6/2003
Received Issue Date: 1/6/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949904
Title Description Comments:

Groundwater Monitoring Report - Fourth Quarter 2002

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 10/10/2002
Received Issue Date: 10/10/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949903
Title Description Comments:

Groundwater Monitoring Report - Third Quarter 2002

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 6/30/2002
Received Issue Date: 6/30/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949900
Title Description Comments:

Groundwater Monitoring Report - Second Quarter 2002

Action Type: Other Regulatory Actions
Action: File review
Action Date: 5/1/2007
Received Issue Date: 5/1/2007
Doc Link:
Title Description Comments:

04/13/2007- Received Q1 2007 monitoring report and summary from WaynePerry. 05/01/2007 - Reviewed report. Blaine Tech sampled the site on February 27, 2007. MTBE was detected again only in well S-4 at 160 ppb. It was ND in the other six wells. Started compiling data for trend test.

Action Type: Cleanup Action
Action: Other (Use Description Field)
Action Date: 3/29/2007
Received Issue Date:
Doc Link:
Title Description Comments:

Batch extraction from well S-4.

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 3/14/2007
Received Issue Date: 3/14/2007
Doc Link:
Title Description Comments:

Met with Denis Brown (Shell) and Dave Henry (WPI)to discuss site. Well S-4 is the only well keeping the site from closure. Shell will consider periodic vacuum extraction from S-4. Site was sampled 01/07/2007 - Dave to check sample results.

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 4/3/2002
Received Issue Date: 4/3/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949897
Title Description Comments:

Groundwater Monitoring Report - First Quarter 2002

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/30/2001
Received Issue Date: 9/30/2001
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949892
Title Description Comments:

Groundwater Monitoring Report - Third Quarter 2001

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 6/30/2001
Received Issue Date: 6/30/2001
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949890
Title Description Comments:

Groundwater Monitoring Report - Second Quarter 2001

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/28/2001
Received Issue Date: 2/28/2001
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949889
Title Description Comments:

Groundwater Monitoring Report - Fourth Quarter 2000

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/6/2007
Received Issue Date: 2/6/2007
Doc Link:
Title Description Comments:

01/30/2007 - Received Q4 2006 monitoring report from WaynePerry. 02/06/2007 - Reviewed report. Blaine Tech sampled the site on October 31, 2006. No surprises. Site remains adequately defined. MTBE only detected in on-stie well S-4 at 110 ppb. No benzene detected. TPHg at maximum of 150 ppb.

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 7/5/2000
Received Issue Date: 7/5/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949885
Title Description Comments:

Groundwater Monitoring Report - Second Quarter 2000

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 6/9/2000
Received Issue Date: 6/9/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949887
Title Description Comments:

Second Quarter 2000 Groundwater Monitoring

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 4/12/2000
Received Issue Date: 4/12/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949884
Title Description Comments:

Quarterly Monitoring Report - First Quarter 2000

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/11/2000
Received Issue Date: 1/11/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949882
Title Description Comments:

Quarterly Monitoring Report - Fourth Quarter 1999

Action Type: Other Regulatory Actions
Action: File review
Action Date: 12/11/2006
Received Issue Date: 12/11/2006
Doc Link:
Title Description Comments:

10/19/2006 - Received "Underground Storage Tank Removal Report" prepared by Cambria. 12/11/2006 - Reviewed report. Cambria collected samples WOT-1-10 and WOT-2-10 below a WOT that Wayne Perry removed on July 27, 2006. TOG was detected at a maximum of 16 ppm and TPHd at 39 ppm. This is already a site with ongoing investigation and remediation.

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 10/6/1999
Received Issue Date: 10/6/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0606700863&doc_id=5949881
Title Description Comments:

Quarterly Monitoring Report - Third Quarter 1999

Action Type: Other Regulatory Actions
Action: File review
Action Date: 12/1/2006
Received Issue Date: 12/1/2006
Doc Link:
Title Description Comments:

Reviewed Q3 2006 monitoring report. Groundwater samples were collected on August 17, 2006 by Blaine Tech. WP says they will submit a work plan during Q4 2006 for periodic oxygen injection into well S-4. S-1, S-2, S-3 are sampled annually for TPHg, BTEX and fuel oxygenates. This quarter only MTBE was analyzed and none was detected. In S-4 BTEX was not detected and TPHg and MTBE both declined. Told Denis Brown that the site may qualify for NFA pending the results of the Q4 monitoring. Sent him the fee title cert to complete.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 10/31/2006
Received Issue Date: 10/31/2006
Doc Link:
Title Description Comments:

Recieved Q3 2006 monitoring report from Wayne-Perry.

Action Type: Reports
Action: Other Report - #7/13/1999
Action Date: 7/13/1999
Received Issue Date: 7/13/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341339&temptable=ENFORCEMENT
Title Description Comments:

QMR July 1999

Action Type: Reports
Action: Other Report - #6/30/1999
Action Date: 6/30/1999
Received Issue Date: 6/30/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341340&temptable=ENFORCEMENT
Title Description Comments:

2nd QMR June 1999

Action Type: Reports

Action: Other Report - #3/31/1999
Action Date: 3/31/1999
Received Issue Date: 3/31/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341344&temptable=ENFORCEMENT
Title Description Comments:

QMR March 1999 Report

Action Type: Reports
Action: Other Report - #3/18/1999
Action Date: 3/18/1999
Received Issue Date: 3/18/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341345&temptable=ENFORCEMENT
Title Description Comments:

QMR March 1999

Action Type: Reports
Action: Other Report - #12/31/1998
Action Date: 12/31/1998
Received Issue Date: 12/31/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341343&temptable=ENFORCEMENT
Title Description Comments:

QMR December 1998

Action Type: Reports
Action: Other Report - #12/15/1998
Action Date: 12/15/1998
Received Issue Date: 12/15/1998
Doc Link:
Title Description Comments:

Site Investigation Report

Action Type: Other Regulatory Actions
Action: File review
Action Date: 10/24/2006
Received Issue Date: 10/24/2006
Doc Link:
Title Description Comments:

10/19/2006 - Received "Underground Storage Tank Removal Report" from Cambria. 10/24/2006 - Reviewed report. The report documents the removal and sampling of one 550-gallon waste-oil tank. The tank was removed on 7/27/2006. Cambria collected 2 samples below the tank. Detections included 39 ppm TPHd, 16 ppm TOG, and background metal concentrations.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/8/2006
Received Issue Date: 8/8/2006
Doc Link:
Title Description Comments:

07/19/2006 - Received Q2 2006 monitoring report from Cambria. 08/08/2006 - Reviewed report. Gradient was north to northwest. Again, wells S-1 through S-3 were analyzed for MTBE only; none was detected. Wells S-4 through S-7 were analyzed for TPHg, BTEX, MTBE and additional fuel oxygenates. Well S-4 contained 1,100 ppb MTBE, 6.8 ppb TAME and no other analytes. Wells S-5 through S-7 contained no detectable TPHg, BTEX, MTBE, or additional fuel oxygenates.

Action Type: Reports
Action: Other Report - #12/9/1998
Action Date: 12/9/1998
Received Issue Date: 12/9/1998

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341341&temptable=ENFORCEMENT
Title Description Comments:

QMR 4th 1998

Action Type: Reports
Action: Other Report - #3/27/1998
Action Date: 3/27/1998
Received Issue Date: 3/27/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341349&temptable=ENFORCEMENT
Title Description Comments:

Appendix A Boring Permits

Action Type: Reports
Action: Other Report - #4/14/1997
Action Date: 4/14/1997
Received Issue Date: 4/14/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341351&temptable=ENFORCEMENT
Title Description Comments:

Site Investigation Report April 1997

Action Type: Leak Action
Action: Leak Discovery
Action Date: 5/12/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 5/12/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 5/10/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 4/25/2006
Received Issue Date: 4/25/2006
Doc Link:
Title Description Comments:

Wrote letter commenting on quarterly report. Suggest that Shell try periodic oxygen injection to stimulate biodegradation. MTBE in well S-4 is the only problematic issue.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 4/24/2006
Received Issue Date: 4/24/2006
Doc Link:
Title Description Comments:

04/21/2006 - Received Q1 2006 monitoring report from Cambria. 04/24/2006 - Reviewed report. Wells S-1 through S-3 were analyzed for MTBE only; none was detected. Wells S-4 through S-7 were analyzed for TPHg, BTEX, MTBE and additional fuel oxygenates. Well S-4 contained 1,200 ppb MTBE, 9.7 ppb TAME and no other analytes. Wells S-5 through S-7 contained no detectable analytes.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 12/22/2005
Received Issue Date: 12/22/2005
Doc Link:
Title Description Comments:

Reviewed a site conceptual model submitted for this site. I concurred with the findings of the report and also its recommendations. Requested in a letter that Shell review historical data to assure that previous groundwater flow direction reports remain valid.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 9/22/2005
Received Issue Date: 9/22/2005
Doc Link:
Title Description Comments:

Reviewed the 2nd QMR for the site. Monitoring well S-4 reported 960 ppb MTBE. A review of historical data does not yet point to any kind of trends developing for this well. The perimeter wells are clear and provide good sentry protection and Shell is preparing a SCM for the site.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 4/13/2005
Received Issue Date: 4/13/2005
Doc Link:
Title Description Comments:

Reviewed the 1st QMR for the site. Well S-4 continues to show elevated levels of MTBE. GROUNDWATER FLOW DIRECTION RADIATES AWAY FROM WELL S-4 IN ALL DIRECTIONS FROM THE WEST TO THE NORTHEAST.

Sites from GeoTracker Search - Site Maps (as of May 25, 2023)

Submitted: 3/15/2002
Submitted By: GHD (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3097531974/T0606700863.PDF

Submitted: 5/10/2004
Submitted By: GHD (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8459134757/T0606700863.pdf

Sites from GeoTracker Search - Documents (as of May 25, 2023)

Document Type: Site Documents ***Document Date:*** 3/1/2005*
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -RESPONSE TO FEBRUARY 4, 2005 REGULATORY LETTER DATED 03-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1063194990/T0606700863.PDF

Document Type: Site Documents ***Document Date:*** 12/20/2004*
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -SITE INVESTIGATION & 2Q 2004 GROUNDWATER MONITORING REPORT DATED 12-2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7382213890/T0606700863.PDF

Document Type: Site Documents ***Document Date:*** 11/20/1998*
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -1998 UPGRADE SITE INSPECTION REPORT DATED 11-1998

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5402583241/T0606700863.PDF

Document Type: Site Documents **Document Date:** 9/15/1998*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -3Q 1998 QUARTERLY STATUS REPORT DATED 09-1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8910773158/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 1/30/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WAYNE PERRY, INC. (CONTRACTOR)
Title: 4TH QTR 06 QUARTERLY STATUS&GROUNDWATER MONITORING RPT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2906997501/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 11/8/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4221531510/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 10/27/2003
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2003 - GROUNDWATER MONITORING REPORT - THIRD QUARTER 2003
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8678944468/SBSS30%2Epdf

Document Type: Monitoring Reports **Document Date:** 7/21/2003
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2003 - GROUNDWATER MONITORING REPORT - SECOND QUARTER 2003
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7158905506/SBSS40%2Epdf

Document Type: Monitoring Reports **Document Date:** 6/30/2001
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2001 - GROUNDWATER MONITORING REPORT - SECOND QUARTER 2001
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8277313709/SBSS12%2Epdf

Document Type: Monitoring Reports **Document Date:** 7/5/2000
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2000 - GROUNDWATER MONITORING REPORT - SECOND QUARTER 2000
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8434967517/SBSS7%2Epdf

Document Type: Monitoring Reports **Document Date:** 4/3/2002
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - FIRST QUARTER 2002 - GROUNDWATER MONITORING REPORT - FIRST QUARTER 2002
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7730015397/SBSS20%2Epdf

Document Type: Site Documents **Document Date:** 3/8/2001*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY DIRECTIVE TO COMPLETE ADDITIONAL WORK DATED 03-2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1217922508/T0606700863.PDF

Document Type: Site Documents **Document Date:** 6/30/1999
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: 2ND QMR JUNE 1999
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341340

Document Type: Site Documents **Document Date:** 3/31/1999
Type: OTHER REPORT **Submitted:**

Submitted By: CAMILLE HANG (REGULATOR)
Title: QMR MARCH 1999 REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341344

Document Type: Site Documents **Document Date:** 3/18/1999
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: QMR MARCH 1999
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341345

Document Type: Site Documents **Document Date:** 12/15/1998*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -SITE INVESTIGATION REPORT DATED 12-1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9935616254/T0606700863.PDF

Document Type: Site Documents **Document Date:** 12/9/1998
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: QMR 4TH 1998
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341341

Document Type: Site Documents **Document Date:** 4/14/1997
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: SITE INVESTIGATION REPORT APRIL 1997
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341351

Document Type: Site Documents **Document Date:** 12/27/2005*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY CONDITIONAL APPROVAL OF SITE CONCEPTUAL MODEL DATED 12-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5610985517/T0606700863.PDF

Document Type: Site Documents **Document Date:** 3/8/2005*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY DIRECTIVE TO SUBMIT CORRECTIVE ACTION PLAN DATED 03-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5139492332/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WAYNE PERRY, INC. (CONTRACTOR)
Title: QUARTERLY STATUS AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4329040348/T0606700863.PDF

Document Type: Site Documents **Document Date:** 2/13/2004*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -REVISED WELL LOCATION DATED 02-2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1875890910/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WAYNE PERRY, INC. (CONTRACTOR)
Title: QTRLY STATUS RPT - 3Q07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1125486612/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 7/20/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WAYNE PERRY, INC. (CONTRACTOR)
Title: QUARTERLY STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9376905143/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 1/6/2003
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2002 - GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2002

Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1081114828/SBSS26%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/11/2000
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: QUARTERLY MONITORING REPORT - FOURTH QUARTER 1999 - QUARTERLY MONITORING REPORT - FOURTH QUARTER 1999
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6082207798/SBSS2%2Epdf

Document Type: Site Documents **Document Date:** 5/10/2005*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY CONDITIONAL APPROVAL TO UST UPGRADE DATED 05-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2147115886/T0606700863.PDF

Document Type: Site Documents **Document Date:** 1/19/2005*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -3Q 2004 GROUNDWATER MONITORING REPORT DATED 01-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7454180240/T0606700863.PDF

Document Type: Site Documents **Document Date:** 1/11/2005*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -4Q 2004 GROUNDWATER MONITORING REPORT DATED 01-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7495700299/T0606700863.PDF

Document Type: Site Documents **Document Date:** 10/17/2005
Type: REPORTS - OTHER **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: SITE CONCEPTUAL MODEL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4906568765/T0606700863.PDF

Document Type: Site Documents **Document Date:** 2/10/2004*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -4Q 2003 GROUNDWATER MONITORING REPORT DATED 02-2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2830409169/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 4/12/2000
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: QUARTERLY MONITORING REPORT - FIRST QUARTER 2000 - QUARTERLY MONITORING REPORT - FIRST QUARTER 2000
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3301726400/SBSS3%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/6/1999
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: QUARTERLY MONITORING REPORT - THIRD QUARTER 1999 - QUARTERLY MONITORING REPORT - THIRD QUARTER 1999
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3327111363/SBSS1%2Epdf

Document Type: Site Documents **Document Date:** 8/15/2001*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY APPROVAL OF SITE INVESTIGATION WORK PLAN DATED 08-2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6641598045/T0606700863.PDF

Document Type: Site Documents **Document Date:** 10/12/2000*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -3Q 2000 GROUNDWATER MONITORING REPORT DATED 10-2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8663113534/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 10/10/2002
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2002 - GROUNDWATER MONITORING

REPORT - THIRD QUARTER 2002
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5827208578/SBSS23%2Epdf

Document Type: Site Documents **Document Date:** 4/27/2004*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -1Q 2004 GROUNDWATER MONITORING REPORT DATED 04-2004
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9618523359/T0606700863.PDF

Document Type: Site Documents **Document Date:** 3/31/2003*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -1Q 2003 GROUNDWATER MONITORING REPORT DATED 03-2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5209857404/T0606700863.PDF

Document Type: Site Documents **Document Date:** 3/31/2001*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -1Q 2001 GROUNDWATER MONITORING REPORT DATED 03-2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1435039818/T0606700863.PDF

Document Type: Site Documents **Document Date:** 8/1/2000*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY DIRECTIVE TO SUBMIT THOROUGH GROUNDWATER WELL SURVEY DATED 08-2000
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6553158104/T0606700863.PDF

Document Type: Site Documents **Document Date:** 12/31/1998
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: QMR DECEMBER 1998
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341343

Document Type: Site Documents **Document Date:** 3/15/1998*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -1Q 1998 QUARTERLY STATUS REPORT DATED 03-1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8604907453/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 4/12/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WAYNE PERRY, INC. (CONTRACTOR)
Title: QUARTERLY STATUS & GWM - 1Q07
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9164869546/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 1/4/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT-FOURTH QUARTER 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3752964615/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 6/9/2000
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: SECOND QUARTER 2000 GROUNDWATER MONITORING - SECOND QUARTER 2000 GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3934126913/SBSS9%2Epdf

Document Type: Site Documents **Document Date:** 12/2/2007
Type: REPORTS - OTHER **Submitted:**
Submitted By: WAYNE PERRY, INC. (CONTRACTOR)
Title: WELL ABONDONMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3299914300/T0606700863.PDF

Document Type: Site Documents **Document Date:** 12/30/2001*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -4Q 2001 GROUNDWATER MONITORING REPORT DATED 12-2001

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3673229515/T0606700863.PDF

Document Type: Site Documents **Document Date:** 12/22/1998*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -AGENCY APPROVAL OF SITE INVESTIGATION REPORT DATED 12-1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2016734242/T0606700863.PDF

Document Type: Site Documents **Document Date:** 3/27/1998
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: APPENDIX A BORING PERMITS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341349

Document Type: Site Documents **Document Date:** 8/2/2001*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -SITE INVESTIGATION WORK PLAN DATED 08-2001
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8520694136/T0606700863.PDF

Document Type: Site Documents **Document Date:** 6/15/1998*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)
Title: HISTORICAL -2Q 1998 QUARTERLY STATUS REPORT DATED 06-1998
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1792887806/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 7/18/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8210667252/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 9/2/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT-SECOND QUARTER 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7041074454/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 6/30/2002
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2002 - GROUNDWATER MONITORING REPORT - SECOND QUARTER 2002
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/4408703029/SBSS22%2Epdf

Document Type: Monitoring Reports **Document Date:** 9/30/2001
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2001 - GROUNDWATER MONITORING REPORT - THIRD QUARTER 2001
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2309490382/SBSS13%2Epdf

Document Type: Monitoring Reports **Document Date:** 2/28/2001
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RUBEN MULLINS (REGULATOR)
Title: GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2000 - GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2000
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6624266684/SBSS10%2Epdf

Document Type: Site Documents **Document Date:** 12/26/2007
Type: OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: NO FURTHER ACTION DOCUMENTS
Title Link: https://geotracker.waterboards.ca.gov/site_documents/9404881119/1315%20FLORIN%20NFA%20DOCUMENTS%2Epdf

Document Type: Site Documents **Document Date:** 2/4/2005*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: PINNACLE EMS (CONTRACTOR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: HISTORICAL -AGENCY APPROVAL OF SITE INVESTIGATION REPORT DATED 02-2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4431254506/T0606700863.PDF

Document Type: Site Documents **Document Date:** 7/13/1999
Type: OTHER REPORT **Submitted:**
Submitted By: CAMILLE HANG (REGULATOR)
Title: QMR JULY 1999
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606700863&enforcement_id=6341339

Document Type: Monitoring Reports **Document Date:** 4/25/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT - FIRST QUARTER 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6712661564/T0606700863.PDF

Document Type: Monitoring Reports **Document Date:** 4/7/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (CONTRACTOR)
Title: GROUNDWATER MONITORING REPORT - FIRST QUARTER 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2522397696/T0606700863.PDF

24	1 of 1	SSE	0.66 / 3,496.94	8.07 / -1	MAPLE TREE 7599 MAPLE TREE WAY SACRAMENTO CA 95831	ENVIROSTOR

Estor/EPA ID: 60002617 **Assembly District:** 10
Site Code: 102350 **Senate District:** 08
Nat Priority List: NO **Permit Renewal Lead:**
APN: NONE SPECIFIED **Public Partici Spclst:**
Census Tract: 6067004010 **Project Manager:**
Site Type: CALMORTGAGE **County:** SACRAMENTO
Address Description: 7599 MAPLE TREE WAY **Latitude:** 38.4826533635478
Office: CLEANUP SACRAMENTO **Longitude:** -121.512780189467
Special Program: **Acres:** 1 ACRES
Funding: CALMORTGAGE **Supervisor:** JUAN PENG
Cleanup Status: NO ACTION REQUIRED AS OF 3/1/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: NO ACTION REQUIRED
Program Type: CALMORTGAGE
CalEnviroScreen Score: 40-45%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002617

25	1 of 1	ENE	0.72 / 3,779.53	17.96 / 9	J & J ONE HOUR CLEANERS 1385 FLORIN ROAD SACRAMENTO CA 95822	ENVIROSTOR

Estor/EPA ID: 34270094 **Assembly District:** 10
Site Code: **Senate District:** 08
Nat Priority List: NO **Permit Renewal Lead:**
APN: NONE SPECIFIED **Public Partici Spclst:**
Census Tract: 6067004201 **Project Manager:**
Site Type: * HISTORICAL **County:** SACRAMENTO
Address Description: 1385 FLORIN ROAD **Latitude:** 38.4955555555556
Office: CLEANUP SACRAMENTO **Longitude:** -121.504166666667
Special Program: **Acres:** NONE SPECIFIED
Funding: **Supervisor:**
Cleanup Status: REFER: OTHER AGENCY AS OF 11/16/1994
Cleanup Oversight Agencies: NONE SPECIFIED

School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: REFER: OTHER AGENCY
Program Type: HISTORICAL
CalEnviroScreen Score: 55-60%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=34270094

Completed Activities

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 7/22/1980
Comments: FACILITY IDENTIFIED LOG BOOK #1 SENT Q

26	1 of 1	N	0.91 / 4,788.69	8.27 / 0	***SMUD PCB SUBSTATION SITE #11 FREEHAVEN DRIVE AT LAKE PARK DRIVE SACRAMENTO CA 95831***	***ENVIROSTOR***

Estor/EPA ID: 34490036
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6067004001
Site Type: * HISTORICAL
Address Description: FREEHAVEN DRIVE AT LAKE PARK DRIVE
Office: CLEANUP SACRAMENTO
Special Program:
Funding:
Assembly District: 10
Senate District: 08
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SACRAMENTO
Latitude: 38.5058333333333
Longitude: -121.517222222222
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 2/17/1987
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

CONTAMINATED SOIL
POLYCHLORINATED BIPHENYLS (PCBS)

Site History:

Status: INACTIVE - NEEDS EVALUATION
Program Type: HISTORICAL
CalEnviroScreen Score: 40-45%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=34490036

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Area Link:
Document Type: Site Screening
Date Completed: 2/17/1987
Comments: SITE SCREENING DONE CONFIRMED PCB RELEASE. NO CLEANUP DOCUMENTED SAMPLE RESULTS=27000 PPM.

27	1 of 2	W	0.99 / 5,219.61	4.36 / -4	***PROPOSED SOJOURNER TRUTH HIGH SCHOOL*** ***7360 GLORIA DRIVE*** ***SACRAMENTO CA 95831***	SCH

Estor/EPA ID: 60000495
Nat Priority List: NO
Census Tract: 6067004009
Permit Renewl Lead:
Project Manager:
Site Code: 104572
Cleanup Status: NO FURTHER ACTION AS OF 12/12/2007
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Assembly District: 10
Senate District: 08
School District: SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Public Participatn Spclst:
Special Program:
Funding: SCHOOL DISTRICT
Site Type: SCHOOL
APN: 031-0020-057, 031-0440-002, 031-0440-028, 03100200460000, 03100200570000, 03100200580000, 03104400020000, 03104400280000
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: SOIL
Potential Contamin of Concern:

Acres: 13.6 ACRES
Supervisor: MARK MALINOWSKI
County: SACRAMENTO
Latitude: 38.4946193031336
Longitude: -121.53601412967

ARSENIC
DDD
DDE
DDT
DIELDRIN

SITE HISTORY:

This 13.6 acre site is proposed to be a new engineering and science high school. The site has previously been used for agriculture and is currently vacant and undeveloped. There are no current or historical structures on-site.

A Preliminary Environmental Assessment (PEA) is required to assess potential agricultural impacts to site soils. The District redefined the project to include a portion of an adjacent existing park. School buildings will be placed on the park area. Field sampling was performed in May 2007.

Initial PEA sampling indicated dieldrin concentrations in soil that slightly exceed the CHHSL value. DTSC requested step-out sampling around these detections for site characterization in the PEA. On June 20, 2007 DTSC approved the step-out sampling plan. Step-out samples results showed that the dieldrin concentrations are consistent and no "hot spots" are present at the site.

The PEA concludes that site conditions do not pose a significant risk to human health or the environment, based on a PEA risk assessment, and recommends no further action for the site.

On December 12, 2007, DTSC approved the PEA with a no further action determination.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 15-20%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60000495

Completed Activities

Title: EOA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&enforcement_id=6010772
Area Name:
Area Link:

Sub Area:	
Sub Area Link:	
Document Type:	Environmental Oversight Agreement
Date Completed:	4/20/2007
Comments:	Sent fully executed agreement to district.
Title:	Phase 1/ PEA Scoping Site Visit
Title Link:	
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Site Inspections/Visit (Non LUR)
Date Completed:	1/30/2007
Comments:	
Title:	PEA Site Visit
Title Link:	
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Site Inspections/Visit (Non LUR)
Date Completed:	5/10/2007
Comments:	PEA Site Visit conducted by N. Hutchison
Title:	PEA Workplan Addendum - Tech Memo for Step-outs
Title Link:	https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6015840
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Preliminary Endangerment Assessment Workplan
Date Completed:	6/20/2007
Comments:	DTSC reviewed the PEA Workplan Addendum and approved it as final.
Title:	Phase I ESA
Title Link:	https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6013913
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Phase 1
Date Completed:	1/17/2007
Comments:	PEA required determination letter signed and mailed to District on 1/17/07. Ag investigation only
Title:	Preliminary Environmental Assessment Report
Title Link:	https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6015805
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Preliminary Endangerment Assessment Report
Date Completed:	12/12/2007
Comments:	DTSC approved the PEA with a No Futher Action determination
Title:	PEA Workplan
Title Link:	https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6014491
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Preliminary Endangerment Assessment Workplan
Date Completed:	5/2/2007
Comments:	DTSC reviewed the draft PEA Workplan and issued comments. DTSC revied the final PEA Workplan and comments were adequately addresses. DTSC hereby approves the PEA Workplan.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
27	2 of 2	W	0.99 / 5,219.61	4.36 / -4	PROPOSED SOJOURNER TRUTH HIGH SCHOOL 7360 GLORIA DRIVE SACRAMENTO CA 95831	ENVIROSTOR

Estor/EPA ID: 60000495
Site Code: 104572
Nat Priority List: NO
APN: 031-0020-057, 031-0440-002, 031-0440-028, 03100200460000, 03100200570000, 03100200580000, 03104400020000, 03104400280000
Census Tract: 6067004009
Site Type: SCHOOL
Address Description: 7360 GLORIA DRIVE
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 10
Senate District: 08
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: SACRAMENTO
Latitude: 38.4946193031336
Longitude: -121.53601412967
Acres: 13.6 ACRES
Supervisor: MARK MALINOWSKI
Cleanup Status: NO FURTHER ACTION AS OF 12/12/2007
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC
DDD
DDE
DDT
DIELDRIN

Site History:

This 13.6 acre site is proposed to be a new engineering and science high school. The site has previously been used for agriculture and is currently vacant and undeveloped. There are no current or historical structures on-site.

A Preliminary Environmental Assessment (PEA) is required to assess potential agricultural impacts to site soils. The District redefined the project to include a portion of an adjacent existing park. School buildings will be placed on the park area. Field sampling was performed in May 2007.

Initial PEA sampling indicated dieldrin concentrations in soil that slightly exceed the CHHSL value. DTSC requested step-out sampling around these detections for site characterization in the PEA. On June 20, 2007 DTSC approved the step-out sampling plan. Step-out samples results showed that the dieldrin concentrations are consistent and no "hot spots" are present at the site.

The PEA concludes that site conditions do not pose a significant risk to human health or the environment, based on a PEA risk assessment, and recommends no further action for the site.

On December 12, 2007, DTSC approved the PEA with a no further action determination.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 15-20%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60000495

Completed Activities

Title: Preliminary Environmental Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6015805
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 12/12/2007
Comments: DTSC approved the PEA with a No Futher Action determination

Title: Phase 1/ PEA Scoping Site Visit
Title Link:

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 1/30/2007
Comments:

Title: PEA Workplan Addendum - Tech Memo for Step-outs
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6015840
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 6/20/2007
Comments: DTSC reviewed the PEA Workplan Addendum and approved it as final.

Title: PEA Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6014491
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 5/2/2007
Comments: DTSC reviewed the draft PEA Workplan and issued comments. DTSC revied the final PEA Workplan and comments were adequately addresses. DTSC hereby approves the PEA Workplan.

Title: PEA Site Visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 5/10/2007
Comments: PEA Site Visit conducted by N. Hutchison

Title: EOA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&enforcement_id=6010772
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 4/20/2007
Comments: Sent fully executed agreement to district.

Title: Phase I ESA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60000495&doc_id=6013913
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 1/17/2007
Comments: PEA required determination letter signed and mailed to District on 1/17/07. Ag investigation only

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ENVIROSTOR	SMUD PCB SUBSTATION SITE #15	MEADOWVIEW ROAD AT WESTERN PACIFIC RR	SACRAMENTO CA	95814	820359915
		Estor/EPA ID **|** ***Cleanup Status:*** 34490040 | INACTIVE - NEEDS EVALUATION AS OF 2/17/1987			
HAZ SACRMNTO	AT&T CORP - UA231	W O WINDBRIDGE RUSHRIVER	SACRAMENTO CA	95831	882181013

Unplottable Report

Site: ***SMUD PCB SUBSTATION SITE #15***
MEADOWVIEW ROAD AT WESTERN PACIFIC RR SACRAMENTO CA 95814

ENVIROSTOR

Estor/EPA ID:	34490040	***Assembly District:***	
Site Code:		***Senate District:***	
Nat Priority List:	NO	***Permit Renewal Lead:***	
APN:	NONE SPECIFIED	***Public Partici SpcIst:***	
Census Tract:		***Project Manager:***	
Site Type:	* HISTORICAL	***County:***	SACRAMENTO
Address Description:	MEADOWVIEW ROAD AT WESTERN PACIFIC RR	***Latitude:***	0
Office:	CLEANUP SACRAMENTO	***Longitude:***	0
Special Program:		***Acres:***	NONE SPECIFIED
Funding:		***Supervisor:***	

Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 2/17/1987
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Site History:

Potential Contamin of Concern:

CONTAMINATED SOIL
POLYCHLORINATED BIPHENYLS (PCBS)

Status: INACTIVE - NEEDS EVALUATION
Program Type: HISTORICAL
CalEnviroScreen Score:
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=34490040

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 2/17/1987
Comments: SITE SCREENING DONE CONFIRMED PCB RELEASE. NO CLEANUP DOCUMENTED. SAMPLE RESULT=7800 PPM.

Site: ***AT&T CORP - UA231***
W O WINDBRIDGE RUSHRIVER SACRAMENTO CA 95831

HAZ SACRMNTO

Haz Mat Bus Plan:	I	***AST Code:***	
Haz Mat BP Desc:	Inactive	***AST Desc:***	
Haz Waste Gen Cd:		***Tiered Prmt WG Cd:***	
Haz Waste Gen Desc:		***Tier Desc:***	
Tanks UST Only:		***CALARP Code:***	
UST Code:		***CALARP Desc:***	
UST Desc:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: May 25, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: May 25, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: May 25, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Jul 26, 2023

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Jul 26, 2023

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 24, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by RCRA.

Government Publication Date: Apr 24, 2023

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 24, 2023

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 24, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 24, 2023

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 24, 2023

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Apr 24, 2023

Federal Engineering Controls-ECs: FED ENG

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 22, 2023

Federal Institutional Controls- ICs: FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 22, 2023

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: May 25, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Apr 3, 2023

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 13, 2022

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: May 2, 2023

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: May 2, 2023

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Aug 30, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jun 29, 2022

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jul 26, 2023

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Mar 23, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jun 1, 2023

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jun 1, 2023

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jun 1, 2023

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Aug 10, 2023

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Waste Management Unit Database: WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

Government Publication Date: Jan 1, 2000

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jun 1, 2023

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jul 10, 2023

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jul 10, 2023

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jul 17, 2023

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Jul 13, 2023

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Jul 13, 2023

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jul 13, 2023

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Aug 14, 2023

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

This listing includes Proposed Closure of Underground Storage Tank (UST) Cases which are being considered for closure by either the State Water Resources Control Board at a Future Board Meeting or the Executive Director that have been posted for a 60-day public comment period, and Closure of UST Cases with Closure Denials and Approved Orders. The lists are provided by the California Water Boards.

Government Publication Date: Jun 13, 2023

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Jul 10, 2023

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jul 10, 2023

California Environmental Reporting System (CERS) Tanks: CERS TANK

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. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Jul 10, 2023

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Jul 10, 2023

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jun 1, 2023

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (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.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Jul 13, 2023

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jun 1, 2023

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jul 13, 2023

Delisted Cleanup Program Sites: DELISTED CLEANUP

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.
Government Publication Date: Jul 13, 2023

Delisted County Records: DELISTED COUNTY
Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.
Government Publication Date: Aug 15, 2023

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST
This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Apr 19, 2023

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST
This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Apr 19, 2023

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST
Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Apr 26, 2023

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST
Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Apr 26, 2023

County

Sacramento County - Toxic Site Cleanup List: TOX SACRMNTO
Sacramento County Environmental Management Department (EMD)'s Toxic Site Cleanup List includes sites where unauthorized releases of potentially hazardous materials have occurred. The EMD's Site Assessment & Mitigation Program, also referred to as Toxic Site Cleanup Program, provides mandated regulatory oversight of the assessment and remediation of properties on which there has been a release of hazardous materials to soil and/or groundwater.
Government Publication Date: Mar 30, 2021

Sacramento County - Master Hazardous Materials Facility List: HAZ SACRMNTO
A list of Hazardous Materials Facilities in Sacramento County. This list is made available by Sacramento County Environmental Management Department which has been designated as the Certified Unified Program Agency (CUPA) for the County.
Government Publication Date: Aug 2, 2021

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).
Government Publication Date: Aug 18, 2022

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.
Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been detected in water and/or soil is provided by the U.S. Environmental Protection Agency (EPA). EPA Disclaimer with FOIA file: Inclusion on the list does not necessarily mean that drinking water has been affected, nor does inclusion mean that anyone at the site has been exposed or is at risk for detrimental health effects.
Government Publication Date: Jun 15, 2023

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to April 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.
Government Publication Date: Apr 24, 2023

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/
Government Publication Date: Oct 9, 2022

National Response Center PFAS Spills: ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Limitations: The data from the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.
Government Publication Date: Apr 15, 2023

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.
Government Publication Date: Feb 19, 2023

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.
Government Publication Date: Oct 19, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.
Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.
Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.
Government Publication Date: Apr 9, 2023

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.
Government Publication Date: Apr 16, 2023

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

Government Publication Date: Feb 8, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jan 25, 2023

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Jan 21, 2023

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Apr 15, 2023

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Apr 15, 2023

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

Government Publication Date: Jul 12, 2022

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: Jul 12, 2022

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Dec 30, 2022

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Nov 7, 2022

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: May 25, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Jun 5, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2023

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Mar 20, 2023

State

PFAS Sampling Locations: PFAS SAMPLING

This data is sourced from the State Water Board's GeoTracker Per- and Polyfluoroalkyl Substances (PFAS) Map tool which contains individual sampling points (i.e., soil boring, groundwater monitoring well, drinking water well for municipal drinking water systems, etc.) or a site location with PFAS analytical data. Includes analytical results that are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after it's accepted by a Regional Water Quality Control Board.

Government Publication Date: Mar 14, 2023

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Dec 20, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Jan 31, 2022

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Jan 31, 2022

PFAS GeoTracker Cleanup Sites: PFAS GT CLEANUPS

A list of applicable cleanup sites from the State Water Resources Control Board's (SWRCB) GeoTracker data management system where one or more of the potential contaminants of concern are identified in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jul 13, 2023

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Apr 30, 2023

PFAS Investigations: PFAS INVEST

This list of potential Per- and Polyfluoroalkyl Substance (PFAS) sites is compiled from the California State Water Resources Control Board's (SWRCB) PFAS Investigations Map tool. The SWRCB issued investigative orders, per California Water Code (CWC) Section 13267 and/or 13383, to these sites. This does not mean that PFAS has been produced, used, or discharged at these sites. Orders were also issued to the public water systems to sample wells in the vicinity of these locations. The data includes locations for airports, landfills, suspected chrome plating facilities, publicly owned treatment works (aka wastewater treatment plants), bulk fuel terminals, refineries, and military facilities that have potential sources of PFAS.

Government Publication Date: Nov 28, 2022

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Mar 15, 2023

Toxic Pit Cleanup Act Sites: TOXIC PITS

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked by the California Department of Toxic Substance Control's (DTSC) EnviroStor data management system.

Government Publication Date: Mar 16, 2023

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jun 1, 2023

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Apr 20, 2023

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Handlers from Hazardous Waste Manifest Data: HAZNET

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Oct 24, 2016

Generators from Hazardous Waste Manifest Data: HAZ GEN

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

TSDF from Hazardous Waste Manifest Data: HAZ TSD

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Jun 27, 2023

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jun 2, 2023

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Jul 13, 2023

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Jul 10, 2023

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Jul 13, 2023

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jun 16, 2023

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Jun 7, 2023

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Jul 13, 2023

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2020

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX D
Selected Historical Research Documents

HISTORICAL AERIALS

Project Property: Phase I ESA - Corporate Way,
Sacramento
1 Corporate Way
Sacramento CA 95831

Project No: 27000-001-00

Requested By: GeoEngineers, Inc.

Order No: 23083000443

Date Completed: August 31,2023

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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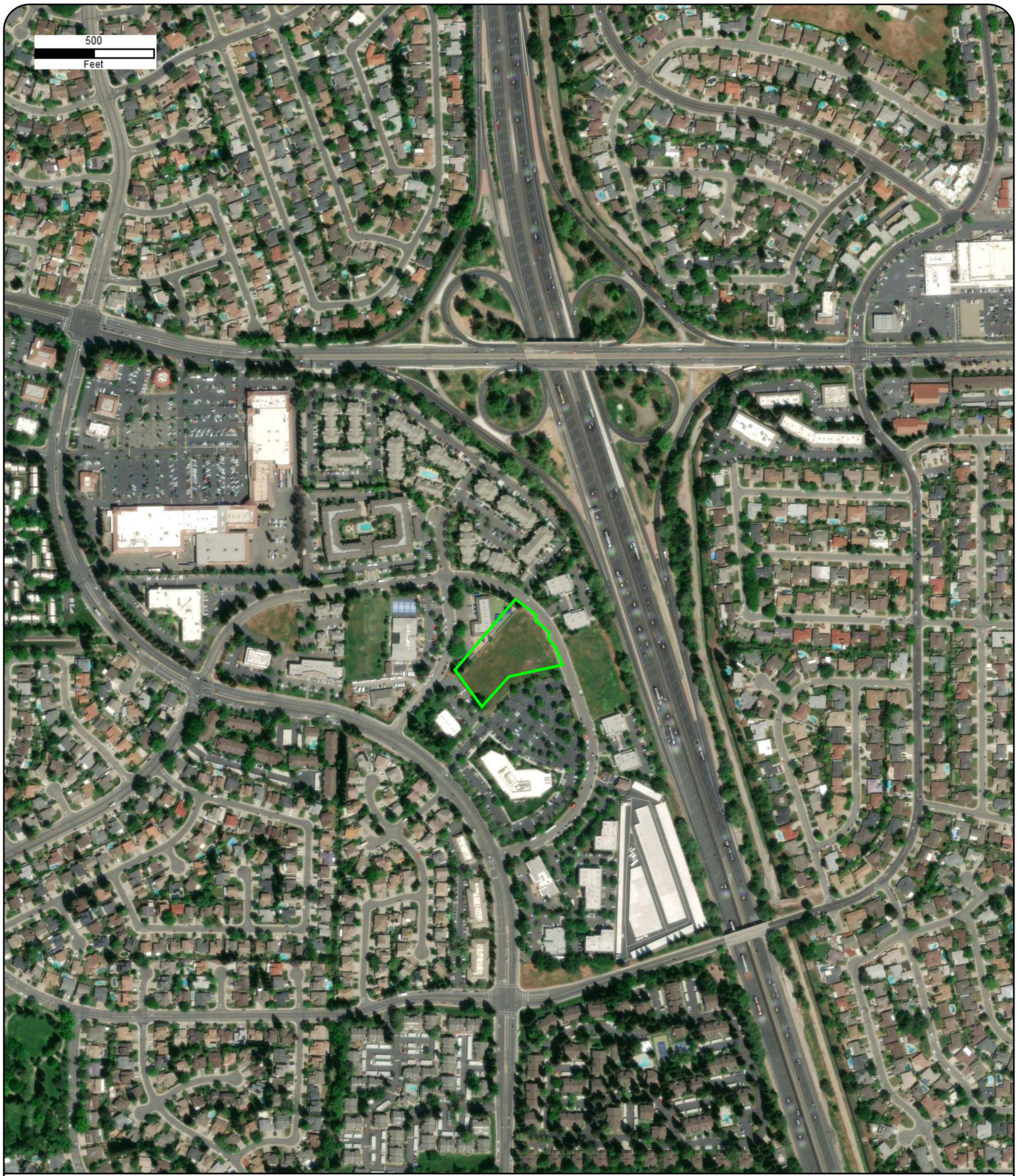
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2022	MAXAR TECHNOLOGIES	1" = 500'	
2020	United States Department of Agriculture	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1998	United States Geological Survey	1" = 500'	
1993	United States Geological Survey	1" = 500'	
1981	Cartwright Aerial Surveys	1" = 500'	
1971	Cartwright Aerial Surveys	1" = 500'	
1961	Cartwright Aerial Surveys	1" = 500'	
1952	Agricultural Stabilization & Conserv. Service	1" = 500'	
1947	United States Geological Survey	1" = 500'	
1937	Agricultural Stabilization & Conserv. Service	1" = 500'	



Year: 2022
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS

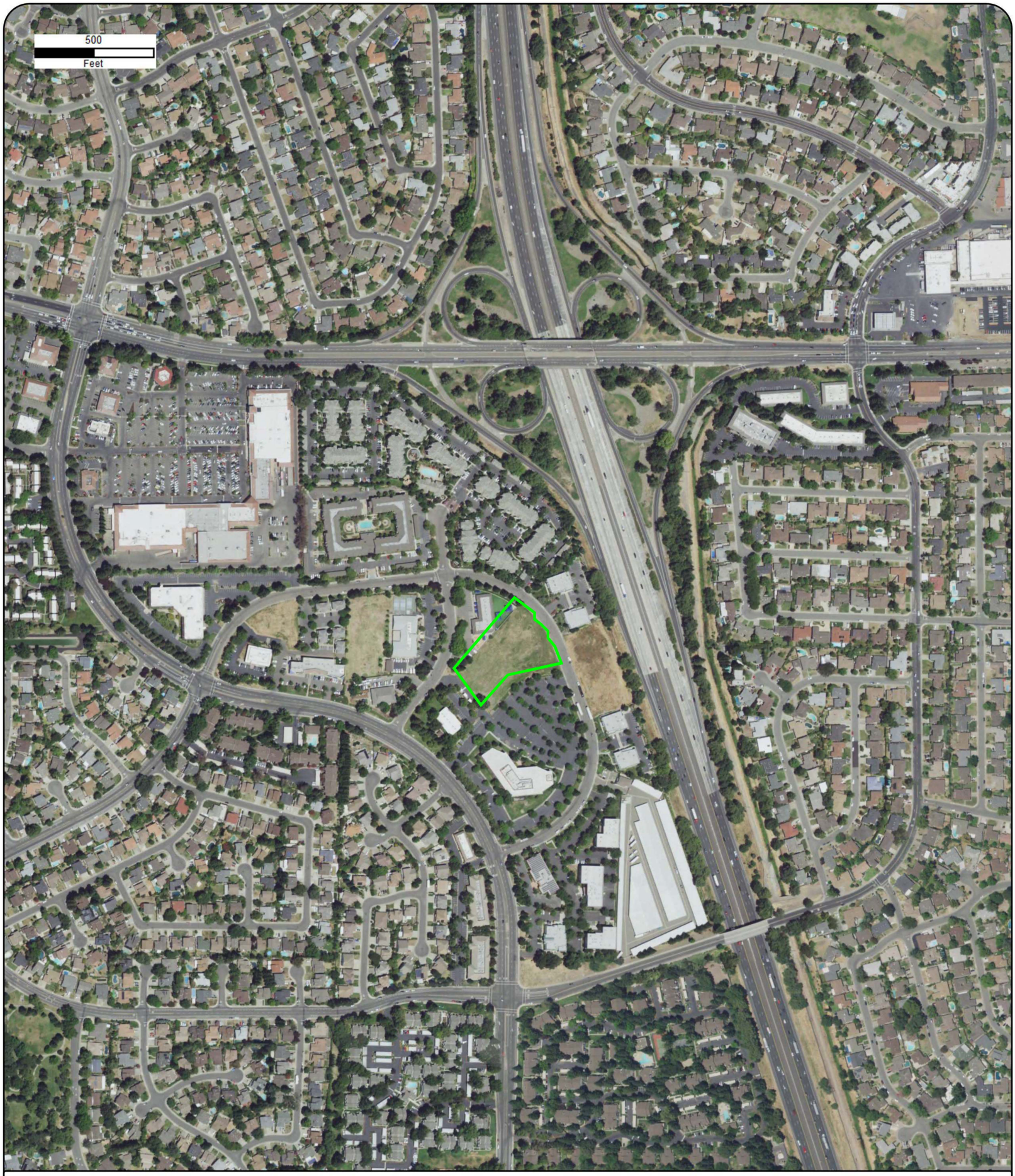


Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS

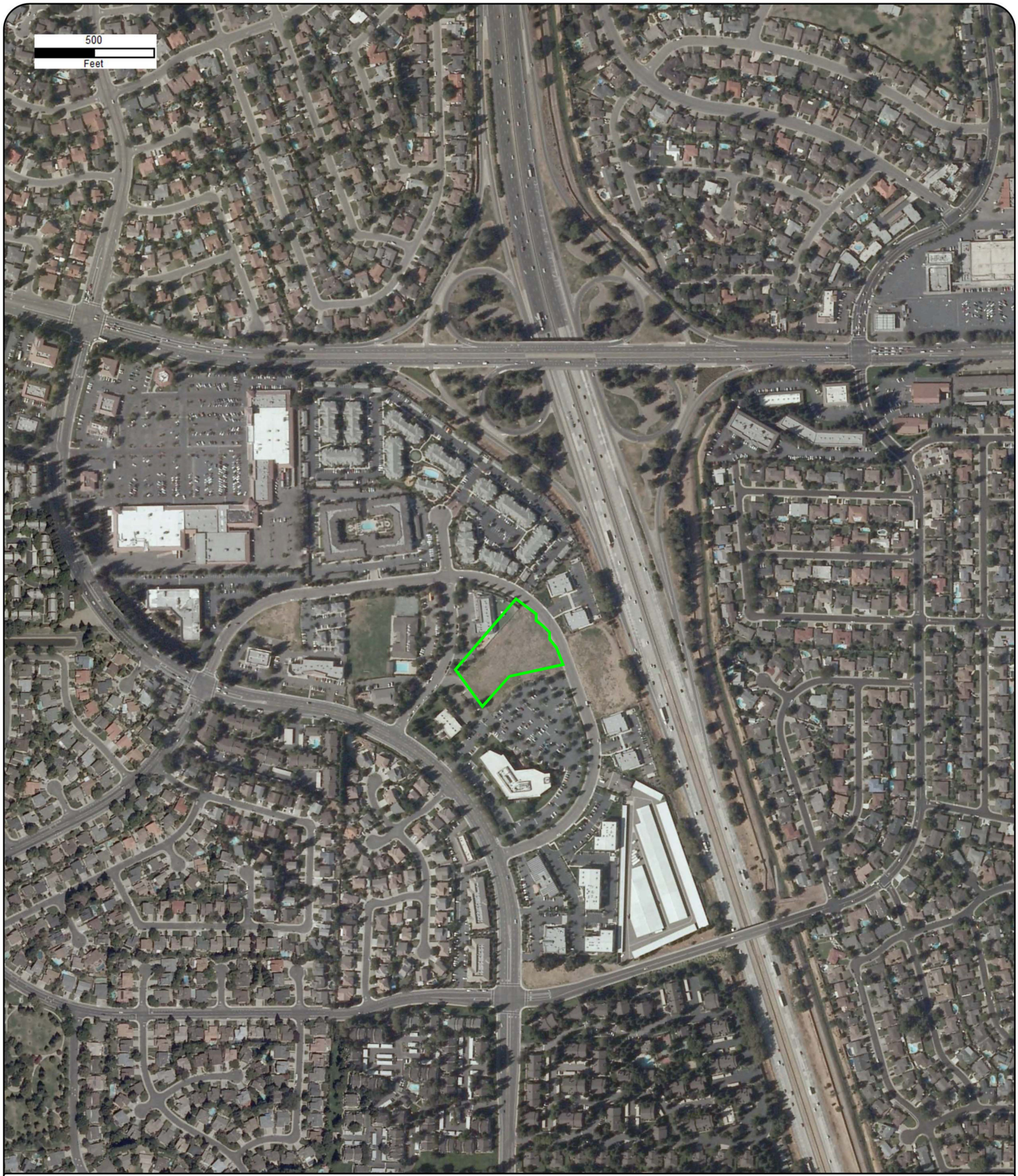


Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1998
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1993
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1981
Source: CAS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS

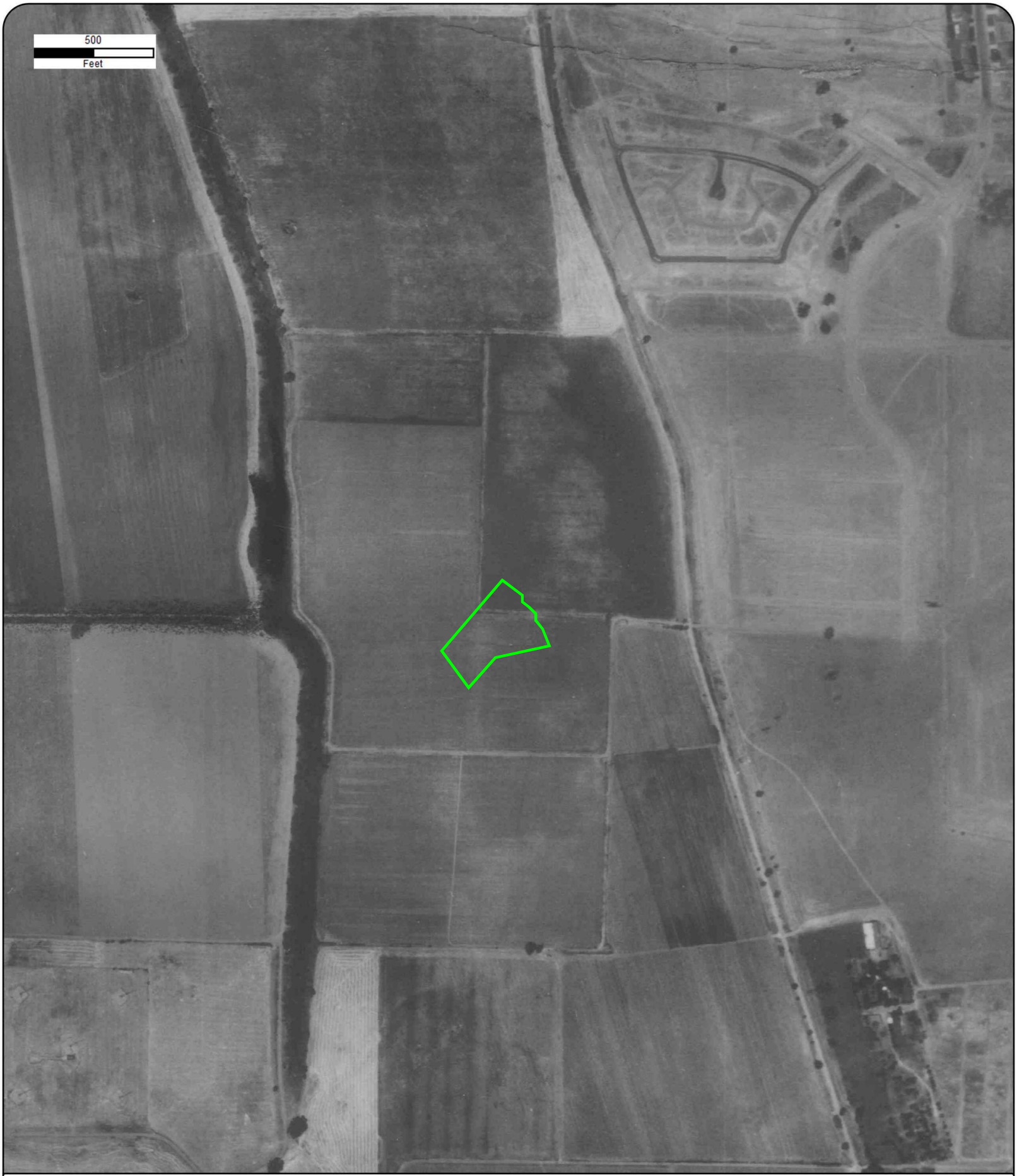


Year: 1971
Source: CAS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1961
Source: CAS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1952
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1947
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS



Year: 1937
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1 Corporate Way, Sacramento, CA
Approx Center: -121.51732483,38.49206047

Order No: 23083000443

ERIS

TOPOGRAPHIC MAPS

Project Property:	Phase I ESA - Corporate Way, Sacramento 1 Corporate Way Sacramento CA 95831
Project No:	27000-001-00
Requested By:	GeoEngineers, Inc.
Order No:	23083000443
Date Completed:	August 31, 2023

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2018	7.5
2015	7.5
1980	7.5
1975	7.5
1967	7.5
1952	7.5
1916	7.5
1952	15
1908	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

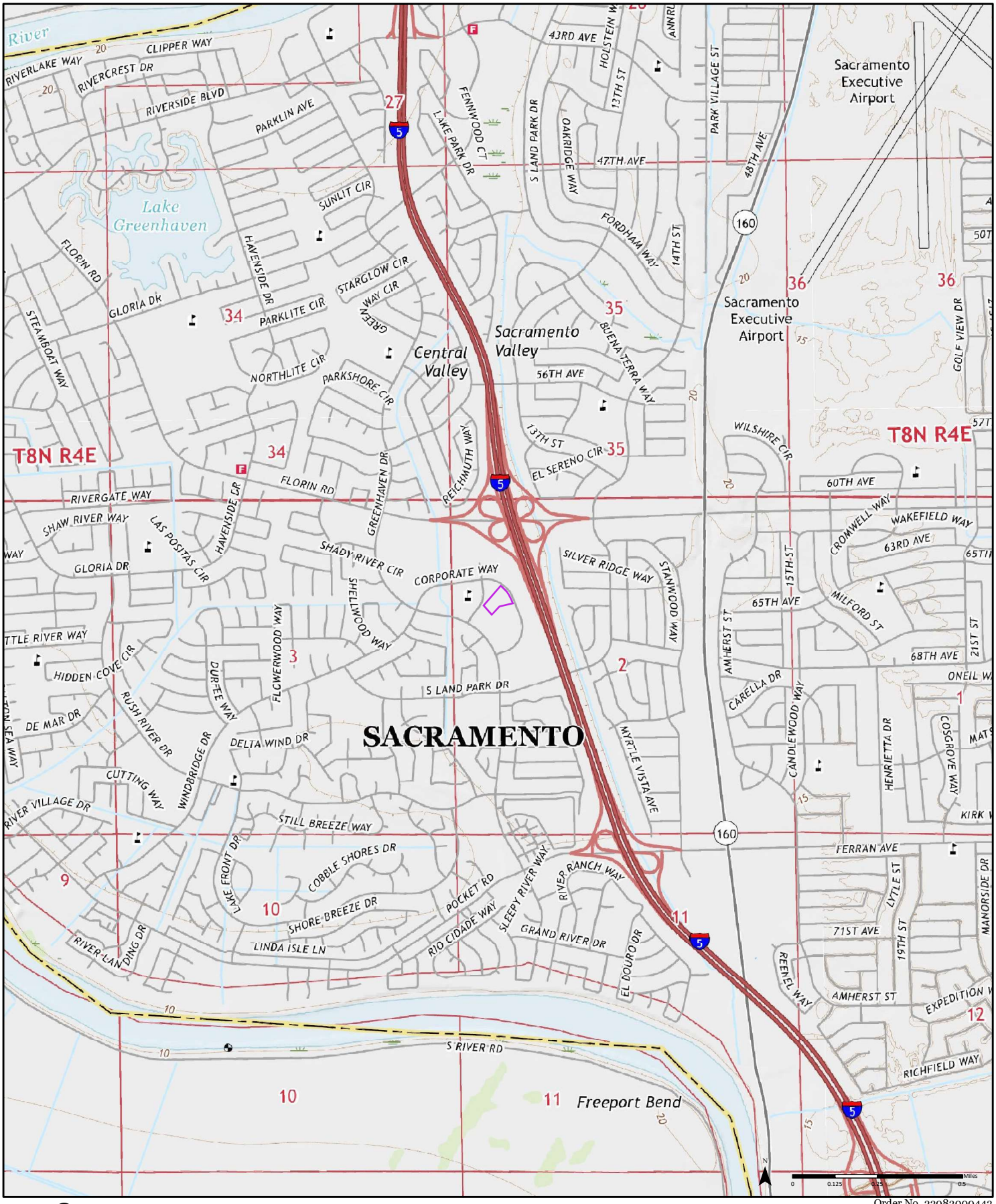
1947-2009

Topographic Map Symbols

2009-present

US Topo Map Symbols

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



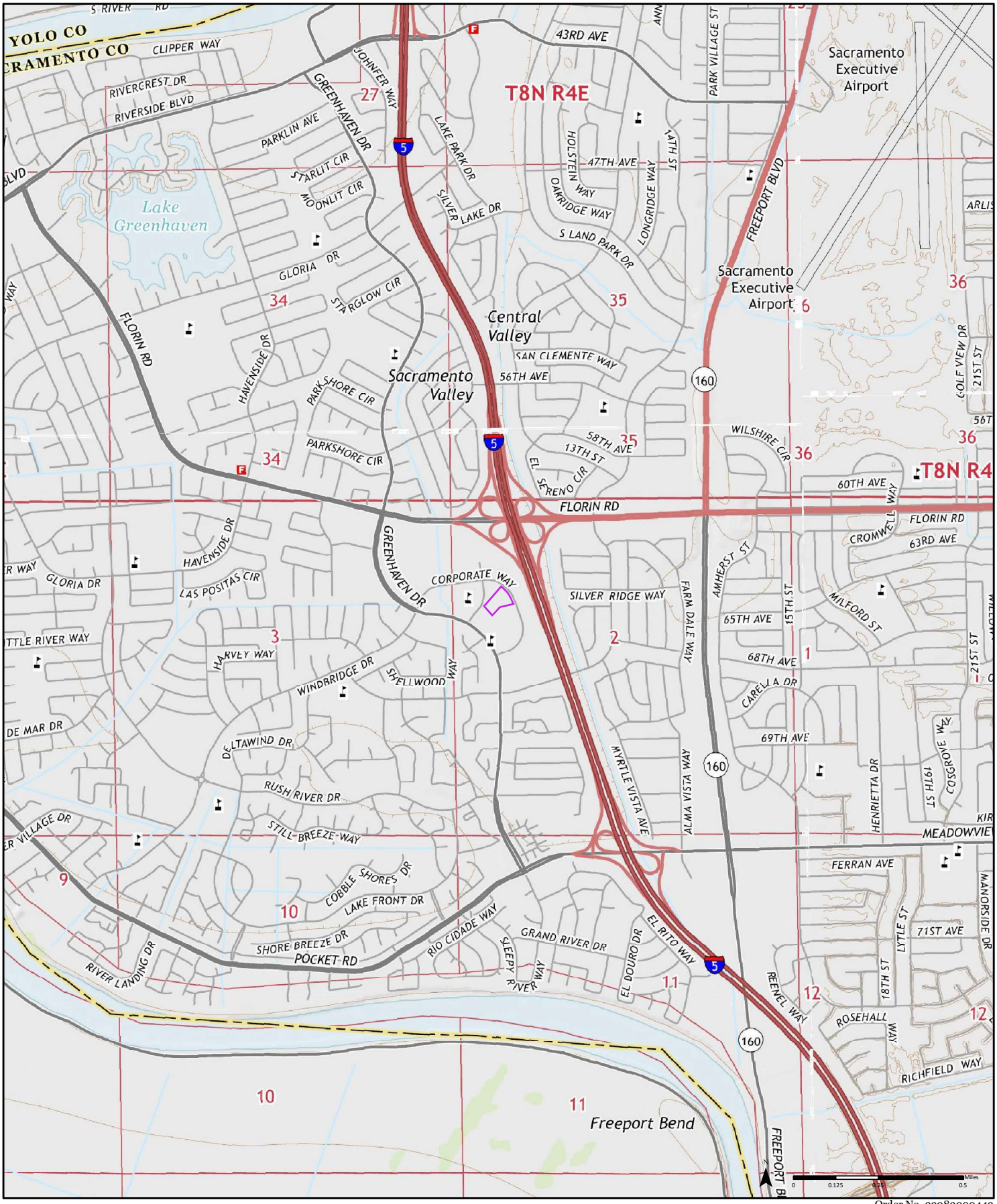
Order No. 23083000443

2018



Available Quadrangle(s): Clarksburg, CA
Florin, CA
Sacramento West, CA
Sacramento East, CA

Source: USGS 7.5 Minute Topographic Map



Order No. 23083000443

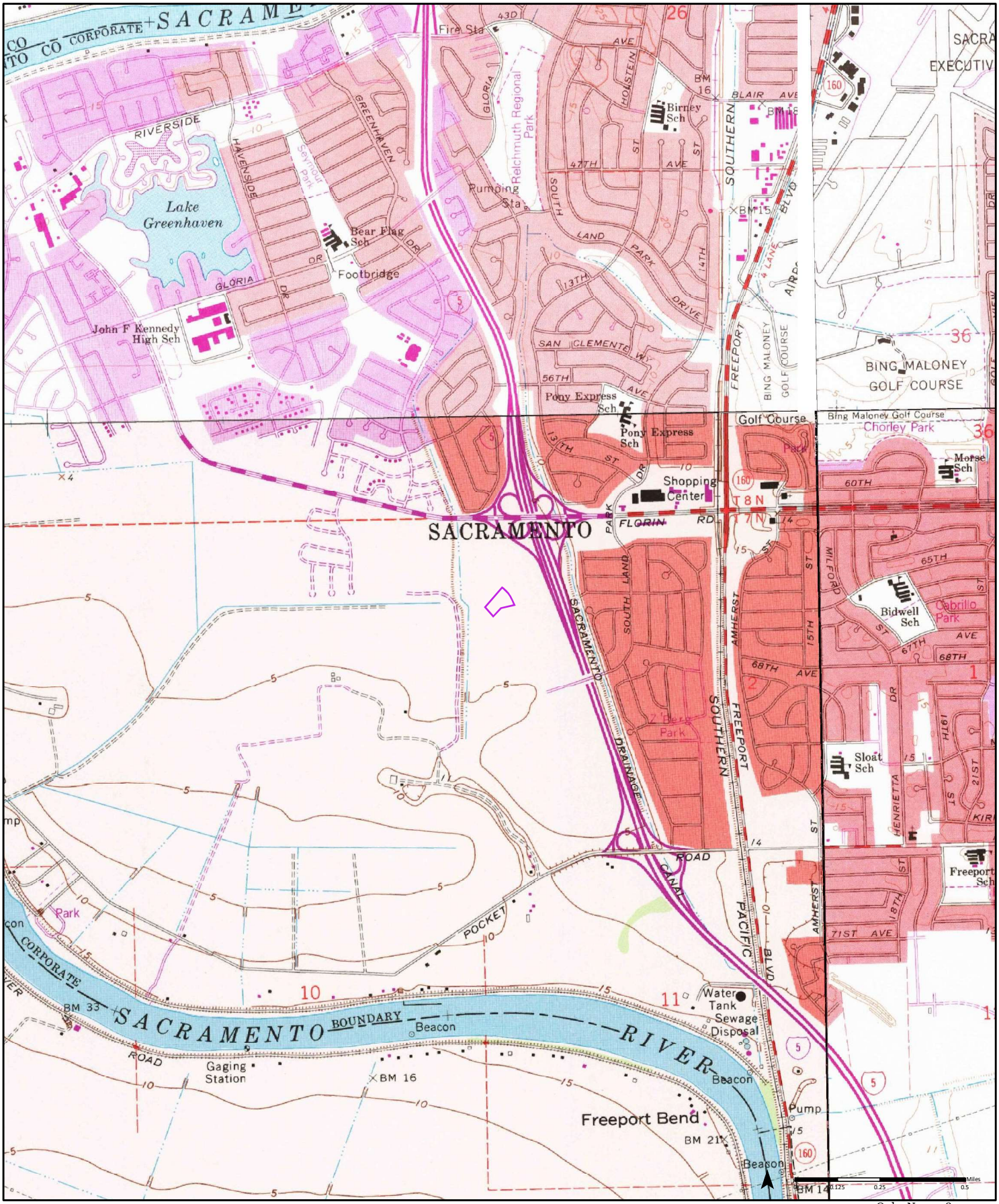
2015



Available Quadrangle(s): Clarksburg, CA
Florin, CA
Sacramento East, CA
Sacramento West, CA

Source: USGS 7.5 Minute Topographic Map

ERIS



1980

(1-1980) Aerial Photo Year: 1978 Photo Revision Year: 1980

(2-1980) Aerial Photo Year: 1978 Photo Revision Year: 1980

(3-1980) Aerial Photo Year: 1978 Photo Revision Year: 1980

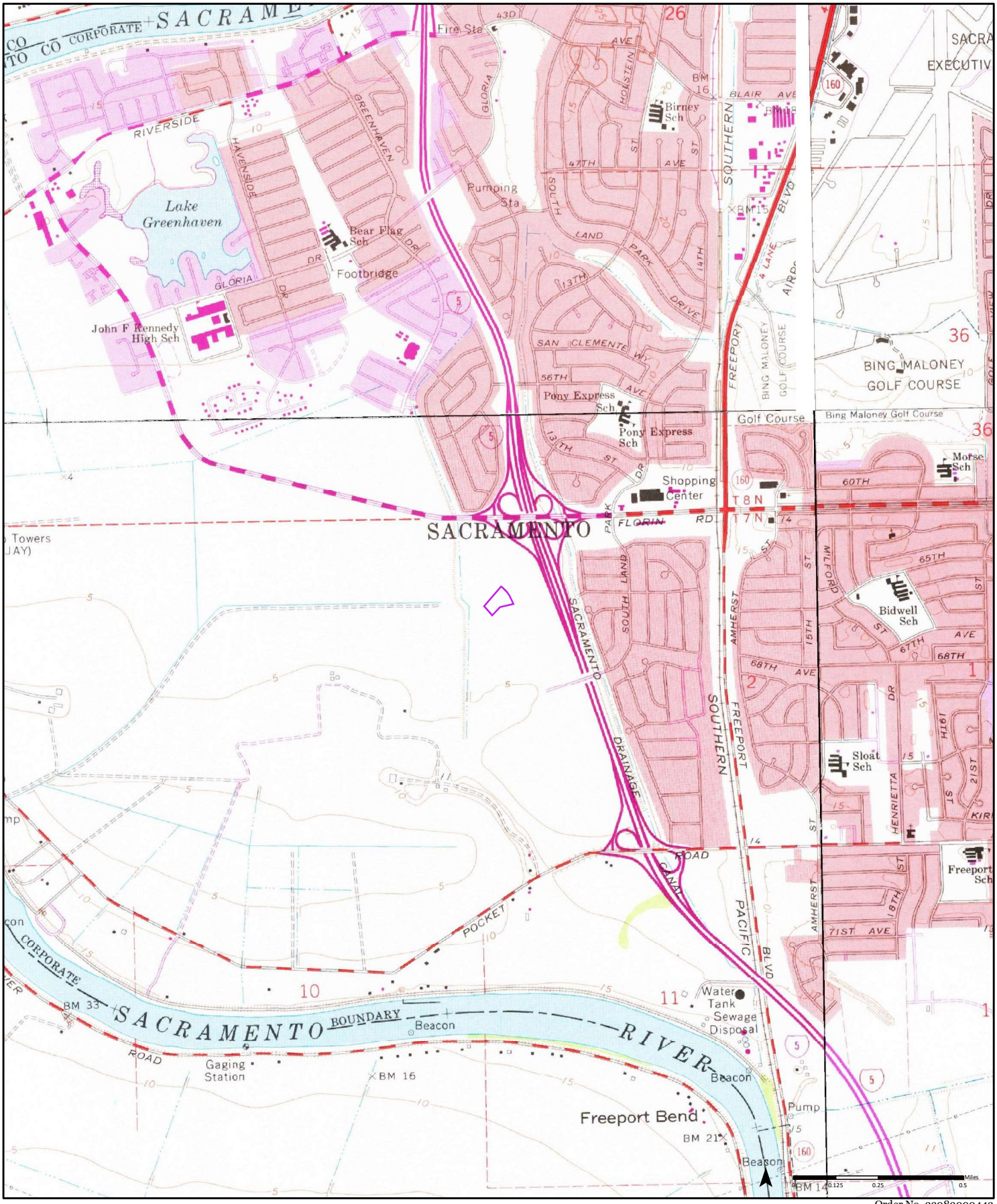
(4-1980) Aerial Photo Year: 1978 Photo Revision Year: 1980

Order No. 23083000443



Available Quadrangle(s): Clarksburg, CA(4-1980)
Sacramento West, CA(1-1980)
Sacramento East, CA(2-1980)
Florin, CA(3-1980)

Source: USGS 7.5 Minute Topographic Map



1975

(1-1975) *Aerial Photo Year: 1975* *Photo Revision Year: 1975*

(2-1975) *Aerial Photo Year: 1975* *Photo Revision Year: 1975*

(3-1975) *Aerial Photo Year: 1975* *Photo Revision Year: 1975*

(4-1975) *Aerial Photo Year: 1975* *Photo Revision Year: 1975*

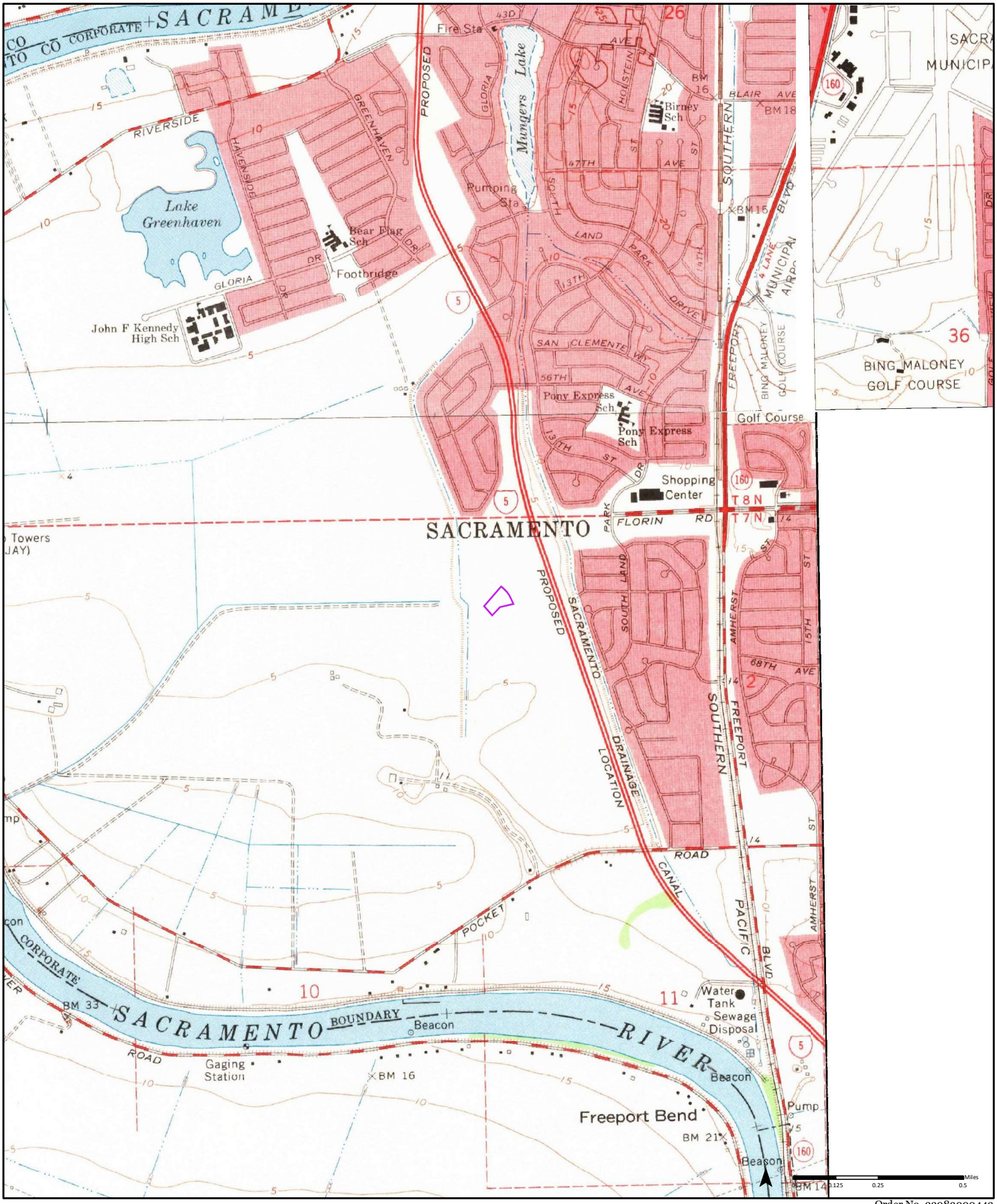
Order No. 23083000443



Available Quadrangle(s): Clarksburg, CA(1-1975)
Florin, CA(2-1975)
Sacramento West, CA(3-1975)
Sacramento East, CA(4-1975)

Source: USGS 7.5 Minute Topographic Map

ERIS



1967

(1-1967) *Aerial Photo Year: 1966*

(2-1967) *Aerial Photo Year: 1966*

(3-1967) *Aerial Photo Year: 1966*

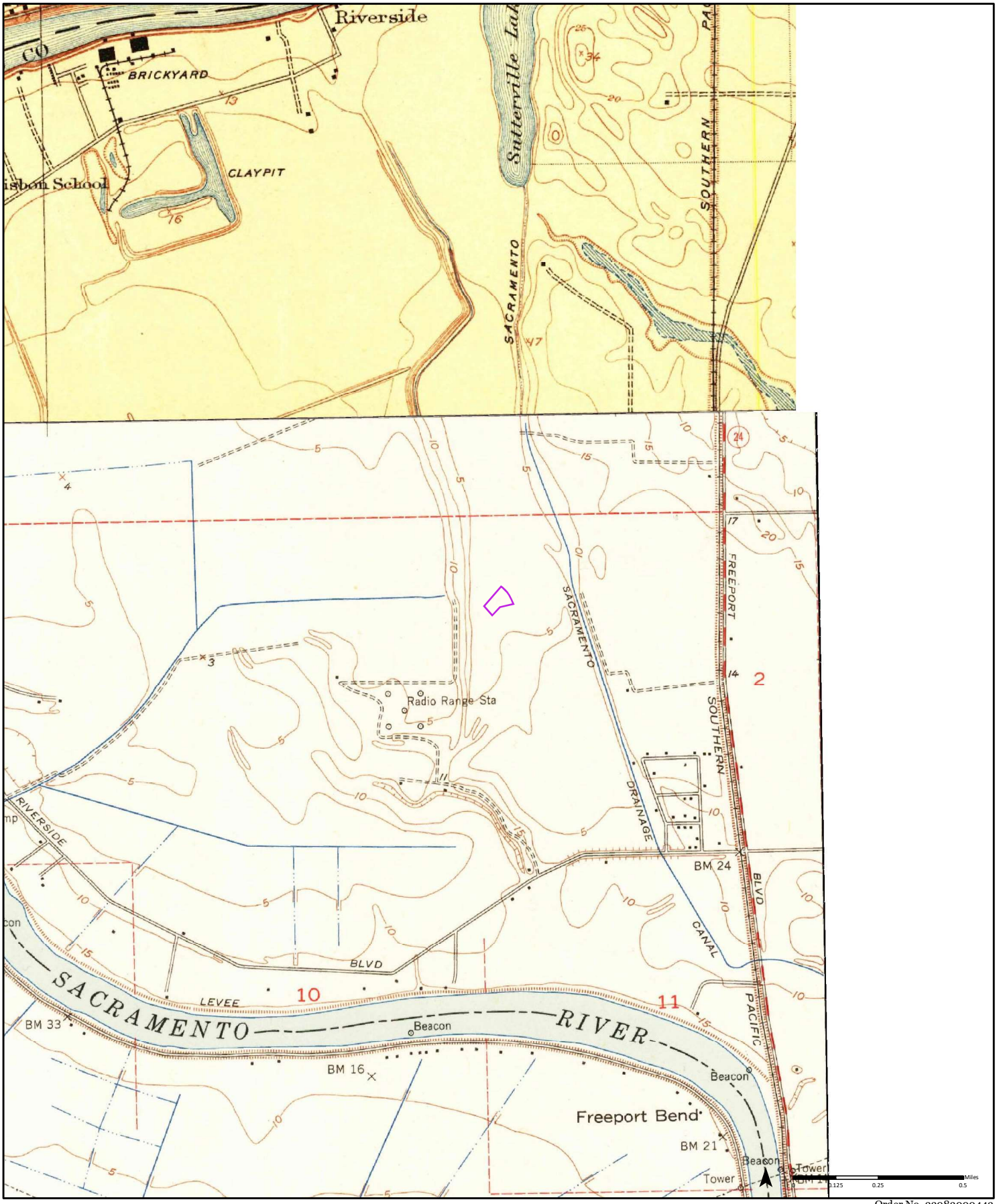
Order No. 23083000443



Available Quadrangle(s): Clarksburg, CA(2-1967)
Sacramento East, CA(1-1967)
Sacramento West, CA(3-1967)

Source: USGS 7.5 Minute Topographic Map

ERIS



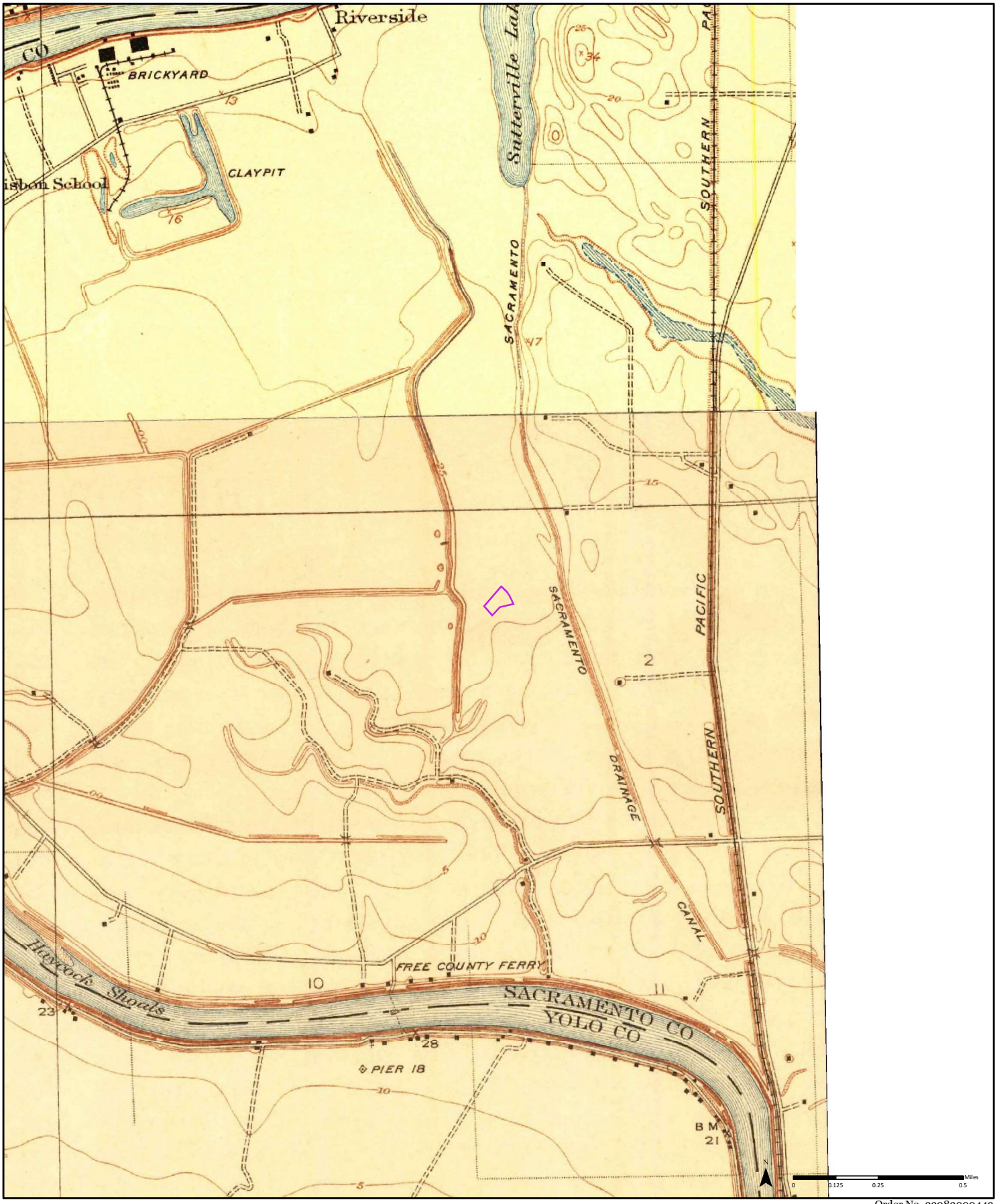
Order No. 23083000443

1952



Available Quadrangle(s): Clarksburg, CA
Lovdal, CA

Source: USGS 7.5 Minute Topographic Map



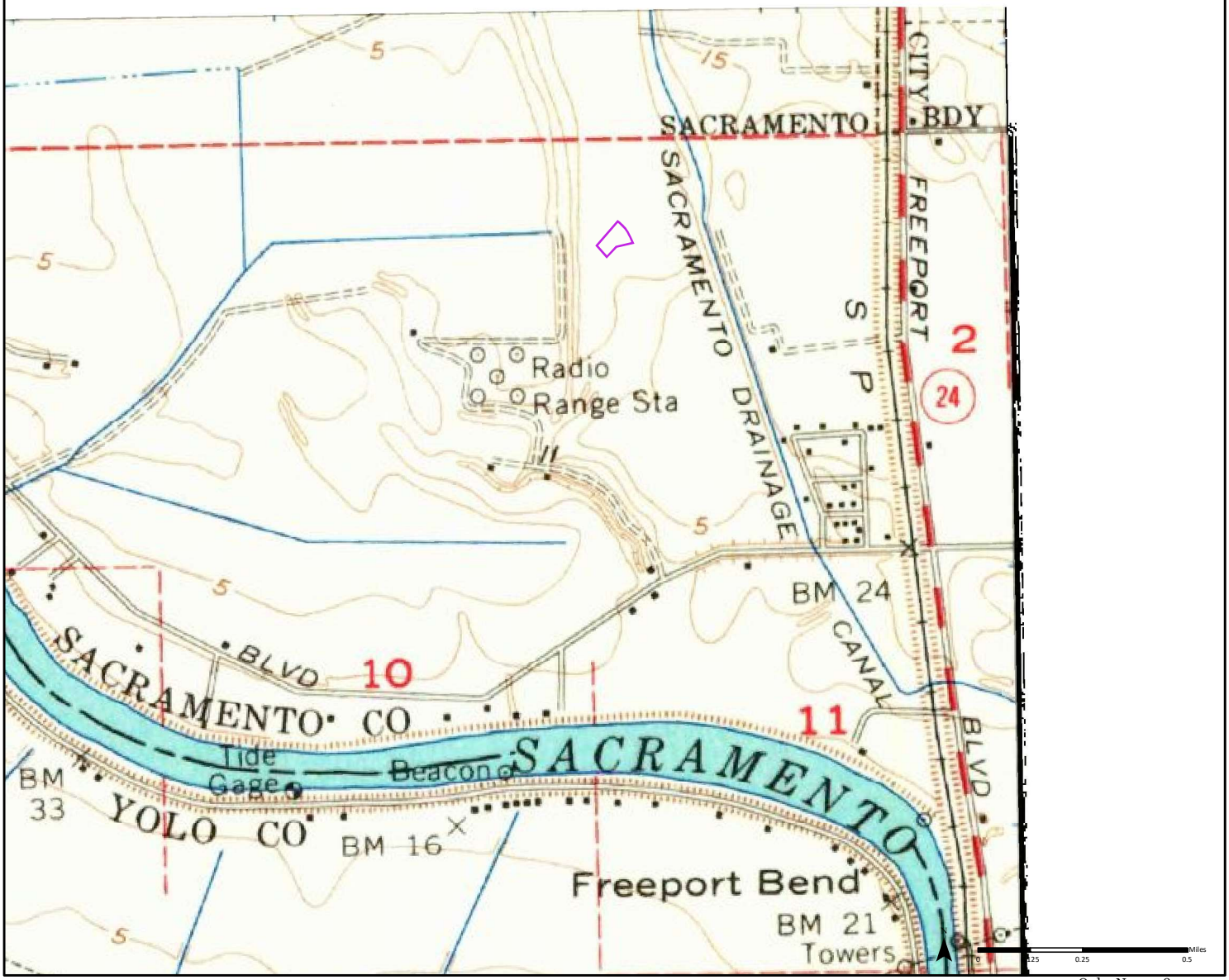
Order No. 23083000443

1916



Available Quadrangle(s): Babel Slough, CA
Lovdal, CA

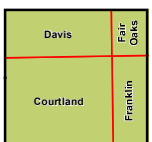
Source: USGS 7.5 Minute Topographic Map



1952 (1-1952)

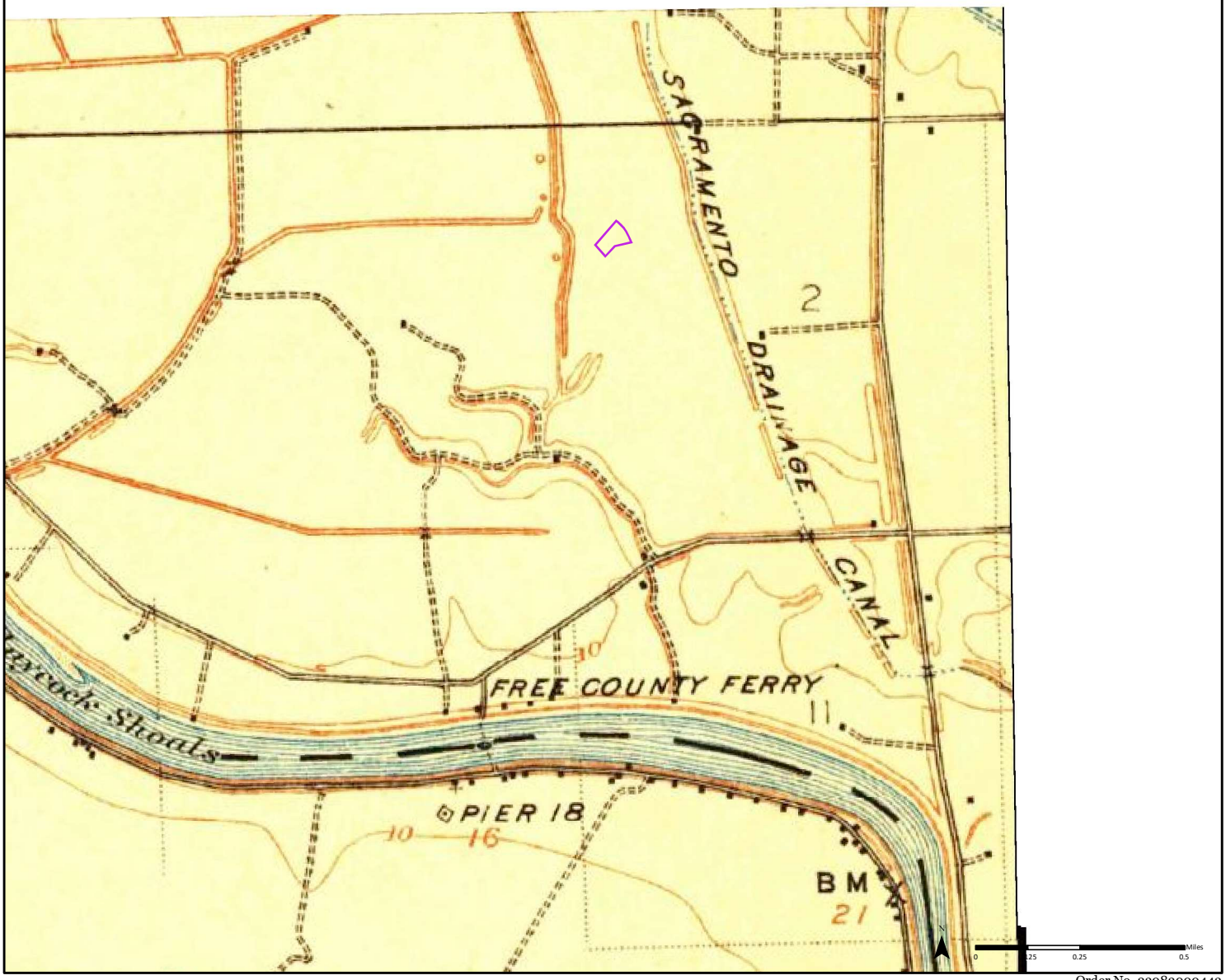
Aerial Photo Year: 1949

Order No. 23083000443



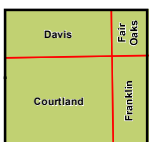
Available Quadrangle(s): Courtland, CA(1-1952)

Source: USGS 15 Minute Topographic Map



1908

Order No. 23083000443



Available Quadrangle(s): Courtland, CA

Source: USGS 15 Minute Topographic Map

FIRE INSURANCE MAPS

Project Property:	Phase I ESA - Corporate Way, Sacramento 1 Corporate Way Sacramento CA 95831
Project No:	27000-001-00
Requested By:	GeoEngineers, Inc.
Order No:	23083000443
Date Completed:	August 31, 2023

Please note that no information was found for your site or adjacent properties.

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CITY DIRECTORY

Project Property:	*Phase I ESA - Corporate Way, Sacramento* *1 Corporate Way* *Sacramento,CA 95831*
Project No:	*27000-001-00*
Requested By:	*GeoEngineers, Inc.*
Order No:	*23083000443*
Date Completed:	*September 05, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

September 05, 2023
RE: CITY DIRECTORY RESEARCH
1 Corporate Way
Sacramento,CA 95831

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
ALL of Corporate Way
ALL of Park City Dr
Search Notes:

Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2001	HAINES	
1995	HAINES	
1990	HAINES	
1985	HAINES	
1980	HAINES	
1976	HAINES	
1970	HAINES	
1967	PACIFIC TELEPHONE	
1960	PACIFIC BELL TELEPHONE	
1956	PACIFIC BELL TELEPHONE	
1950	PACIFIC BELL TELEPHONE	
1946	PACIFIC BELL TELEPHONE	
1943	SACRAMENTO DIRECTORY CO	
1940	POLKS	
1935	POLKS	
1930	SACRAMENTO DIRECTORY CO	
1925	SACRAMENTO DIRECTORY CO	

2022 CORPORATE WAY
SOURCE: DIGITAL BUSINESS DIRECTORY

155 total records. Part 1 of 3

1100 ACASA SENIORCARE FRANCHISING...HOME HEALTH SERVICE
1100 AFLAC REGIONAL OFFICE...MANAGEMENT SERVICES
1100 AFLAC REGIONAL OFFICE...INSURANCE
1100 EXPRESS EMPLOYMENT PRO...EMPLOYMENT AGENCIES & OPPORTUNITIES
1100 EXPRESS SERVICES...SERVICES NEC
1100 EXPRESS SERVICES...EXPRESS & TRANSFER SVC
1100 GFL CAPITAL MORTGAGE...REAL ESTATE LOANS
1100 GREENHAVEN CORP...REAL ESTATE MANAGEMENT
1100 GREENHAVEN CORPORATE PLAZA...MEDICAL ALARMS (WHLS)
1100 NORTH STATE STAFFING...EMPLOYMENT AGENCIES & OPPORTUNITIES
1100 R C G LOGISTICS LLC...LOGISTICS
1100 SU CASA...RESIDENTIAL PROPERTY MANAGERS
1100 SU CASA FINANCIAL INC...REAL ESTATE
1100 ZIP REALTY...REAL ESTATE
1102 BRYAN CHEW & ASSOC...RETIREMENT PLANNING SERVICES
1102 BRYAN CHEW & ASSOC...INVESTMENT SECURITIES
1102 CALIFORNIA CAREGIVERS...NONCLASSIFIED ESTABLISHMENTS
1102 CIVITAS...ATTORNEYS
1102 FLIGHT STANDARDS DISTRICT OFC...GOVERNMENT OFFICES-US
1102 FLIGHT STANDARDS DISTRICT OFC...STATE GOVERNMENTCONSERVATION DEPTS
1102 FLIGHT STANDARDS DISTRICT OFF...FEDERAL GOVERNMENT-TRANSPORTATION PRGRMS
1102 FLIGHT STANDARDS DISTRICT OFF...FEDERAL GOVERNMENTPUBLIC ORDER & SAFETY
1102 GREEN HAVEN FAMILY PRACTICE...PHYSICIANS & SURGEONS
1102 LAMBETH JOHN LAW OFFICES...ATTORNEYS
1102 RASNOW INTEGRATIVE WELLNESS...WELLNESS PROGRAMS
1104 180 ASSET GROUP...NONCLASSIFIED ESTABLISHMENTS
1104 369 NUTRACEUTICALS LLC...HEALTH & NUTRITION CONSULTANTS
1104 AMERICAN HOME CARE...HOME HEALTH CARE SERVICES
1104 AMERICAN HOME CARE...HEALTH CARE ALTERNATIVES
1104 CALLPATH SOLUTIONS...ALL OTHER TELECOMMUNICATIONS
1104 CAPITOL PARK NANNIES...EMPLOYMENT AGENCIES & OPPORTUNITIES
1104 CAPITOL PARK NANNIES...CHILD CARE SERVICE
1104 CAPITOL PARK NANNIES...EMPLOYMENT CONTRACTORS-TEMPORARY HELP
1104 CONNECT CONSULTING SVC...FEDERAL GOVERNMENT CONTRACTORS
1104 CREATIVE CARTOONS...ARTISTS-COMMERCIAL
1104 FOSTER LAW OFFICE...ATTORNEYS
1104 GALLAGHER JONES LLP...NONCLASSIFIED ESTABLISHMENTS
1104 JD TAX ACCOUNTING SVC...ACCOUNTING & BOOKKEEPING GENERAL SVC
1104 KLUG DHALIWAL LOPEZ PC...OFFICES OF LAWYERS
1104 MAHON, MICHAEL D...ATTORNEYS
1104 MCGEE THIELEN INS BRKS INC...INSURANCE AGENTS BROKERS & SERVICE
1104 MICKEL TENNELEY REPORTING...COURT & CONVENTION REPORTERS
1104 NATIONAL EDUCATIONAL...CONSTRUCTION COMPANIES
1104 NATIONAL EDUCATIONAL...FEDERAL GOVERNMENT CONTRACTORS
1104 NGUYEN, JOSEPH O MD...PHYSICIANS & SURGEONS
1104 NIRWAN ASSOCIATES...OFFICES OF LAWYERS
1104 PACIFIC BUSINESS CTR INC...BUSINESS MANAGEMENT CONSULTANTS
1104 PACIFIC WORKPLACES...EXECUTIVE SUITES
1104 PAIR POINT GROUP...EMPLOYMENT AGENCIES & OPPORTUNITIES
1104 PRIVATE WEALTH MANAGEMENT...FINANCIAL ADVISORY SERVICES
1104 PRIVATE WEALTH MANAGEMENT...NONCLASSIFIED ESTABLISHMENTS
1104 R H DISTRESSED PROPERTIES...REAL ESTATE
1104 RIVERBEND COUNSELING SVC...COUNSELING SERVICES
1104 RIVERSMITH ENGINEERING INC...FEDERAL GOVERNMENT CONTRACTORS
1104 RIVERSMITH ENGINEERING INC...ENGINEERS
1104 SANAH INC...ELECTRONICS-CONSULTANTS
1104 SHERGILL LAW FIRM...ATTORNEYS
1104 SHORE MCKINLEY CONGER LLP...ATTORNEYS
1104 TOP WEB RANK...WEBSITE DESIGN SERVICE
1104 TRANSPORT TEAM...TRANSPORTATION
1104 TSUDA NGUYEN, VANESSA L DO...PHYSICIANS & SURGEONS
1104 TSUDA NGUYEN, VANESSA L DO...MEDICAL & SURGICAL SVC ORGANIZATIONS
1104 VOLT WORKFORCE SOLUTIONS...EMPLOYMENT SERVICE-EMPLOYEE LEASING
1106 SUPERIOR SELF STORAGE...LESSORS OF MINIWAREHOUSES & SELF-STORAGE UNITS

Part 2 of 3

1106 SUPERIOR STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL
1108 DENTAL EXCELLENCE GREENHAVEN...DENTISTS
1108 DENTAL EXCELLENCE GREENHAVEN...FEDERAL GOVERNMENT CONTRACTORS
1108 SIU, KAYEE DDS...DENTISTS
1108 WONG, DENNIS D DDS...DENTISTS
1110 KIDS CARE DENTAL 1110...OFFICES OF DENTISTS
1110 KIDS CARE DENTAL GROUP...DENTISTS
1110 KIDS CARE DENTAL SACRAMENTO...PHYSICIANS & SURGEONS
1122 ALL PROFESSIONAL...REAL ESTATE INSPECTION
1122 ALL PROFESSIONAL...REAL ESTATE
1122 ALL PROFESSIONAL...REAL ESTATE MANAGEMENT
1122 DOUGLAS YOUNG...RESIDENTIAL
1122 NGUYEN CHIROPRACTIC CORP...FREESTANDING AMBULATORY SURGICAL & EMERGENCY CTRS
1122 NORTHERN CALIFORNIA RESEARCH...MEDICAL & SURGICAL SVC ORGANIZATIONS
1122 NORTHERN CALIFORNIA RESEARCH...PHYSICIANS & SURGEONS
1180 ACC GREENHAVEN TERRACE...RETIREMENT COMMUNITIES & HOMES
1180 ACC GREENHAVEN TERRACE...APARTMENTS
1180 AKIHARU YASUDA...RESIDENTIAL
1180 ALVON FONG...RESIDENTIAL
1180 ASIAN COMMUNITY CTR...REAL ESTATE
1180 BETTY MAR...RESIDENTIAL
1180 BEVERLY SCHILDER...RESIDENTIAL
1180 DAVID REES...RESIDENTIAL
1180 DELCIA WAGNER...RESIDENTIAL
1180 DOROTHY FAUTH...RESIDENTIAL
1180 DOROTHY KOGA...RESIDENTIAL
1180 DOROTHY MASUI...RESIDENTIAL
1180 EDDIE SEABRON...RESIDENTIAL
1180 FELISMINO ALMEIDA...RESIDENTIAL
1180 FLORENCE KOZUSKO...RESIDENTIAL
1180 FRANK HACHIYA...RESIDENTIAL
1180 GEORGE TSUSAKI...RESIDENTIAL
1180 GOLDEN HARRIS...RESIDENTIAL
1180 GRACE SANWO...RESIDENTIAL
1180 GRANT COOK...RESIDENTIAL
1180 HANK SETO...RESIDENTIAL
1180 JAMES KANEMOTO...RESIDENTIAL
1180 JAMES STOWELL...RESIDENTIAL
1180 JERI RAY...RESIDENTIAL
1180 JOHN DICKSON...RESIDENTIAL
1180 KING BROOKS...RESIDENTIAL
1180 KINUYE MURAKI...RESIDENTIAL
1180 KUI FONG...RESIDENTIAL
1180 LINDA MURAKI...RESIDENTIAL
1180 MARIE VASIL...RESIDENTIAL
1180 MARTHA LEONHARDT...RESIDENTIAL
1180 MARY REMEDIOS...RESIDENTIAL
1180 MARY THAMES...RESIDENTIAL
1180 MELANIE HOOPER...RESIDENTIAL
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1180 MIYEKO TANAKA...RESIDENTIAL
1180 MONICA BROWN...RESIDENTIAL
1180 NANCY BENNETT...RESIDENTIAL
1180 PATRICIA BOYTE...RESIDENTIAL
1180 PATRICIA FRY...RESIDENTIAL
1180 RALPH CUMMINGS...RESIDENTIAL
1180 RAYMOND MOSELEY...RESIDENTIAL
1180 RIICHI FUWA...RESIDENTIAL
1180 RUBY TANABE...RESIDENTIAL
1180 RUTHIE ROGERS...RESIDENTIAL
1180 SHIRLEY NILL...RESIDENTIAL
1180 STEPHEN STUPAR...RESIDENTIAL
1180 WAYNE YAMAMURA...RESIDENTIAL
1180 YOSHIO KURITA...RESIDENTIAL
1180 YUKIYASU UYEOKA...RESIDENTIAL
1501 CLEAREND...CHURCHES

Part 3 of 3

1501 **DOUCETTE, MANIA D...** *COUNSELORS*
1501 **JAMN EXPRESS LINE LLC...** *NONCLASSIFIED ESTABLISHMENTS*
1501 **JP TAX SVC...** *TAX RETURN PREPARATION & FILING*
1511 **FRITZSCHE ASSOCIATES INC...** *ACCOUNTANTS*
1511 **NATURAL VALUE INC...** *ORGANIC FOODS & SERVICES*
1521 **CIS COMMERCIAL INSURANCE SVC...** *INSURANCE*
1521 **KATRINA CADY PSYD...** *PSYCHOLOGISTS*
1521 **SILVA COST CONSULTING...** *CONSTRUCTION ESTIMATES*
1531 **BLOOMBERG LP...** *NONCLASSIFIED ESTABLISHMENTS*
1531 **BURTON, SHACUNDA J...** *PSYCHOLOGISTS*
1531 **CHEPERKA, RYAN ANNE PHD...** *PSYCHOLOGISTS*
1531 **DAY, ARTHUR...** *MARRIAGE & FAMILY COUNSELORS*
1531 **JACKSON, TAMEKA PHD...** *PSYCHOLOGISTS*
1531 **KARIM, PIA...** *PHYSICAL THERAPISTS*
1531 **KARIM, PIA...** *EXERCISE & PHYSICAL FITNESS PROGRAMS*
1531 **MARLU INVESTMENT GROUP...** *FOOD PRODUCTS-RETAIL*
1531 **MARLU INVESTMENT GROUP...** *DELICATESSENS*
1531 **MIMMS, TIFFANY...** *SOCIAL SERVICE & WELFARE ORGANIZATIONS*
1531 **PARKER, JUDITH...** *COUNSELORS*
1531 **PARKER, JUDITH...** *COUNSELORSCOUPLES*
1531 **SHAH, SHEETAL PHD...** *PSYCHOLOGISTS*
1541 **KIKUMOTO REAL ESTATE...** *REAL ESTATE*
1541 **ROBERT MASUDA LAW OFFICES...** *ATTORNEYS*
1541 **U F BOOKKEEPING SVC...** *ACCOUNTING & BOOKKEEPING GENERAL SVC*

7334 **ACC SENIOR SVC...** *SENIOR CITIZENS SERVICE*
7334 **ASIAN COMMUNITY CTR SACRAMENTO...** *CONFERENCE CENTERS*
7334 **MERRYHILL MIDDLE SCHOOL...** *SCHOOLSUNIVERSITIES & COLLEGES ACADEMIC*
7334 **MERRYHILL MIDDLE SCHOOL...** *SCHOOLS*
7334 **NOBEL LEARNING COMMUNITIES INC...** *EDUCATION CENTERS*
7335 **MERRYHILL PRESCHOOL...** *PRE-SCHOOLS*
7335 **MERRYHILL PRESCHOOL...** *SCHOOLS-NURSERY & KINDERGARTEN ACADEMIC*
7375 **ACC ADMINISTRATION...** *NONCLASSIFIED ESTABLISHMENTS*
7375 **ASIAN COMMUNITY CTR...** *FEDERAL GOVERNMENT CONTRACTORS*
7375 **ASIAN COMMUNITY CTR...** *CONSTRUCTION COMPANIES*
7375 **ASIAN COMMUNITY CTR...** *SOCIAL SERVICE & WELFARE ORGANIZATIONS*

2020 CORPORATE WAY
SOURCE: DIGITAL BUSINESS DIRECTORY

163 total records. Part 1 of 3

1100 ACASA SENIORCARE FRANCHISING...HOME HEALTH SERVICE
1100 AFLAC REGIONAL OFFICE...INSURANCE
1100 AFLAC REGIONAL OFFICE...MANAGEMENT SERVICES
1100 EXPRESS EMPLOYMENT PRO...EMPLOYMENT AGENCIES & OPPORTUNITIES
1100 EXPRESS SERVICES...EXPRESS & TRANSFER SVC
1100 EXPRESS SERVICES...SERVICES NEC
1100 GFL CAPITAL MORTGAGE...REAL ESTATE LOANS
1100 GREENHAVEN CORPORATE PLAZA...MEDICAL ALARMS (WHLS)
1100 MONTGOMERY ASSOCIATES...OFFICE BUILDINGS & PARKS
1100 NORTH STATE STAFFING...EMPLOYMENT AGENCIES & OPPORTUNITIES
1100 R C G LOGISTICS LLC...LOGISTICS
1100 SU CASA...RESIDENTIAL PROPERTY MANAGERS
1100 SU CASA FINANCIAL INC...REAL ESTATE
1100 ZIP REALTY...REAL ESTATE
1102 BRYAN CHEW & ASSOC...RETIREMENT PLANNING SERVICES
1102 BRYAN CHEW & ASSOC...INVESTMENT SECURITIES
1102 CALIFORNIA CAREGIVERS...NONCLASSIFIED ESTABLISHMENTS
1102 FLIGHT STANDARDS DISTRICT OFC...GOVERNMENT OFFICES-US
1102 FLIGHT STANDARDS DISTRICT OFC...STATE GOVERNMENTCONSERVATION DEPTS
1102 FLIGHT STANDARDS DISTRICT OFF...FEDERAL GOVERNMENTPUBLIC ORDER & SAFETY
1102 FLIGHT STANDARDS DISTRICT OFF...FEDERAL GOVERNMENT-TRANSPORTATION PRGRMS
1102 GREEN HAVEN FAMILY PRACTICE...PHYSICIANS & SURGEONS
1102 PARAGON FINANCIAL...FINANCIAL ADVISORY SERVICES
1102 RASNOW INTEGRATIVE WELLNESS...WELLNESS PROGRAMS
1104 180 ASSET GROUP...NONCLASSIFIED ESTABLISHMENTS
1104 AMERICAN HOME CARE...HEALTH CARE ALTERNATIVES
1104 AMERICAN HOME CARE...HOME HEALTH CARE SERVICES
1104 CALLPATH SOLUTIONS...ALL OTHER TELECOMMUNICATIONS
1104 CAPITOL PARK NANNIES...CHILD CARE SERVICE
1104 CAPITOL PARK NANNIES...EMPLOYMENT AGENCIES & OPPORTUNITIES
1104 CAPITOL PARK NANNIES...EMPLOYMENT CONTRACTORS-TEMPORARY HELP
1104 CONNECT CONSULTING SVC...FEDERAL GOVERNMENT CONTRACTORS
1104 CREATIVE CARTOONS...ARTISTS-COMMERCIAL
1104 FOSTER LAW OFFICE...ATTORNEYS
1104 GALLAGHER JONES LLP...NONCLASSIFIED ESTABLISHMENTS
1104 JD TAX ACCOUNTING SVC...ACCOUNTING & BOOKKEEPING GENERAL SVC
1104 KLUG DHALIWAL LOPEZ PC...OFFICES OF LAWYERS
1104 MAHON, MICHAEL D...ATTORNEYS
1104 MCGEE THIELEN INS BRKS INC...INSURANCE AGENTS BROKERS & SERVICE
1104 MICKEL TENNELEY REPORTING...COURT & CONVENTION REPORTERS
1104 NATIONAL-EDUCATIONAL...FEDERAL GOVERNMENT CONTRACTORS
1104 NATIONAL-EDUCATIONAL...CONSTRUCTION COMPANIES
1104 NGUYEN, JOSEPH O MD...PHYSICIANS & SURGEONS
1104 NIRWAN ASSOCIATES...OFFICES OF LAWYERS
1104 PACIFIC BUSINESS CTR INC...BUSINESS MANAGEMENT CONSULTANTS
1104 PACIFIC WORKPLACES...EXECUTIVE SUITES
1104 PAIR POINT GROUP...EMPLOYMENT AGENCIES & OPPORTUNITIES
1104 PRIVATE WEALTH MANAGEMENT...NONCLASSIFIED ESTABLISHMENTS
1104 PRIVATE WEALTH MANAGEMENT...FINANCIAL ADVISORY SERVICES
1104 R H DISTRESSED PROPERTIES...REAL ESTATE
1104 RIVERBEND COUNSELING SVC...COUNSELING SERVICES
1104 RIVERSMITH ENGINEERING INC...FEDERAL GOVERNMENT CONTRACTORS
1104 RIVERSMITH ENGINEERING INC...ENGINEERS
1104 SANAH INC...ELECTRONICS-CONSULTANTS
1104 SHORE MCKINLEY CONGER LLP...ATTORNEYS
1104 TOP WEB RANK...WEBSITE DESIGN SERVICE
1104 TRANSPORT TEAM...TRANSPORTATION
1104 TSUDA-NGUYEN, VANESSA L DO...PHYSICIANS & SURGEONS
1104 TSUDA-NGUYEN, VANESSA L DO...MEDICAL & SURGICAL SVC ORGANIZATIONS
1104 VOLT WORKFORCE SOLUTIONS...EMPLOYMENT SERVICE-EMPLOYEE LEASING
1106 SUPERIOR SELF STORAGE...LESSORS OF MINIWAREHOUSES & SELF-STORAGE UNITS
1106 SUPERIOR STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL
1108 DENTAL EXCELLENCE-GREENHAVEN...DENTISTS

Part 2 of 3

1108 DENTAL EXCELLENCE-GREENHAVEN...FEDERAL GOVERNMENT CONTRACTORS
1108 SIU, KAYEE DDS...DENTISTS
1108 WONG, DENNIS D DDS...DENTISTS
1110 KIDS CARE DENTAL 1110...OFFICES OF DENTISTS
1110 KIDS CARE DENTAL GROUP...DENTISTS
1110 KIDS CARE DENTAL-SACRAMENTO...PHYSICIANS & SURGEONS
1110 NEW DENTAL IMAGES...DENTISTS
1122 ALL PROFESSIONAL...REAL ESTATE
1122 ALL PROFESSIONAL...REAL ESTATE INSPECTION
1122 ALL PROFESSIONAL...REAL ESTATE MANAGEMENT
1122 DOUGLAS YOUNG...RESIDENTIAL
1122 NORTHERN CALIFORNIA RESEARCH...PHYSICIANS & SURGEONS
1122 NORTHERN CALIFORNIA RESEARCH...MEDICAL & SURGICAL SVC ORGANIZATIONS
1180 ACC GREENHAVEN TERRACE...RETIREMENT COMMUNITIES & HOMES
1180 ACC GREENHAVEN TERRACE...APARTMENTS
1180 AIKO UYEOKA...RESIDENTIAL
1180 AKIHARU YASUDA...RESIDENTIAL
1180 ALELIZ MOSELEY...RESIDENTIAL
1180 ALVON FONG...RESIDENTIAL
1180 AMY ISHIMA...RESIDENTIAL
1180 ASIAN COMMUNITY CTR...REAL ESTATE
1180 BERNICE JONES...RESIDENTIAL
1180 BETTY MAR...RESIDENTIAL
1180 BEVERLY SCHILDER...RESIDENTIAL
1180 BLACKIE KURIHARA...RESIDENTIAL
1180 CONNIE STUPAR...RESIDENTIAL
1180 COY CHAMBERS...RESIDENTIAL
1180 DAVID REES...RESIDENTIAL
1180 DELCIA WAGNER...RESIDENTIAL
1180 DOROTHY FAUTH...RESIDENTIAL
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1180 FLORENCE KOZUSKO...RESIDENTIAL
1180 FRANK HACHIYA...RESIDENTIAL
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1180 GRANT COOK...RESIDENTIAL
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1180 JOHN DICKSON...RESIDENTIAL
1180 KAZUMI KURITA...RESIDENTIAL
1180 KIKUE HORI...RESIDENTIAL
1180 KING BROOKS...RESIDENTIAL
1180 KINUYE MURAKI...RESIDENTIAL
1180 KUI FONG...RESIDENTIAL
1180 LEIGH BROIN...RESIDENTIAL
1180 MARIE VASIL...RESIDENTIAL
1180 MARK TANABE...RESIDENTIAL
1180 MARTHA LEONHARDT...RESIDENTIAL
1180 MARY REMEDIOS...RESIDENTIAL
1180 MARY THAMES...RESIDENTIAL
1180 MELANIE HOOPER...RESIDENTIAL
1180 MERIKO ISHIGAKI...RESIDENTIAL
1180 MIDORI SATOW...RESIDENTIAL
1180 MIYEKO TANAKA...RESIDENTIAL
1180 MONICA BROWN...RESIDENTIAL
1180 MYRA KIYOTA...RESIDENTIAL
1180 NANCY BENNETT...RESIDENTIAL
1180 PATRICIA BOYTE...RESIDENTIAL
1180 PATRICIA FRY...RESIDENTIAL
1180 PAULA NORRIS...RESIDENTIAL

Part 3 of 3

1180 **RIICHI FUWA**...*RESIDENTIAL*
1180 **RUTHIE ROGERS**...*RESIDENTIAL*
1180 **SALLY EBERSOLE**...*RESIDENTIAL*
1180 **SHIRLEY NILL**...*RESIDENTIAL*
1180 **TOSHIO FUKUDA**...*RESIDENTIAL*
1180 **VICKI BEATON**...*RESIDENTIAL*
1180 **VICKI HIGAREDA**...*RESIDENTIAL*
1180 **WAYNE YAMAMURA**...*RESIDENTIAL*
1501 **CLEAREND**...*CHURCHES*
1501 **DOUCETTE, MANIA D**...*COUNSELORS*
1501 **JAMN EXPRESS LINE LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1511 **FRITZSCHE ASSOCIATES INC**...*ACCOUNTANTS*
1511 **NATURAL VALUE INC**...*ORGANIC FOODS & SERVICES*
1521 **CIS COMMERCIAL INSURANCE SVC**...*INSURANCE*
1521 **KATRINA CADY PSYD**...*PSYCHOLOGISTS*
1521 **SILVA COST CONSULTING**...*CONSTRUCTION ESTIMATES*
1531 **BLOOMBERG LP**...*NONCLASSIFIED ESTABLISHMENTS*
1531 **BURTON, SHACUNDA J**...*PSYCHOLOGISTS*
1531 **CHEPERKA, RYAN ANNE PHD**...*PSYCHOLOGISTS*
1531 **DAY, ARTHUR**...*MARRIAGE & FAMILY COUNSELORS*
1531 **JACKSON, TAMEKA PHD**...*PSYCHOLOGISTS*
1531 **KARIM, PIA**...*PHYSICAL THERAPISTS*
1531 **KARIM, PIA**...*EXERCISE & PHYSICAL FITNESS PROGRAMS*
1531 **MARLU INVESTMENT GROUP**...*DELICATESSENS*
1531 **MARLU INVESTMENT GROUP**...*FOOD PRODUCTS-RETAIL*
1531 **MIMMS, TIFFANY**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
1531 **PARKER, JUDITH**...*COUNSELORS*
1531 **PARKER, JUDITH**...*COUNSELORSCOUPLES*
1531 **SHAH, SHEETAL PHD**...*PSYCHOLOGISTS*
1541 **KIKUMOTO REAL ESTATE**...*REAL ESTATE*
1541 **ROBERT MASUDA LAW OFFICES**...*ATTORNEYS*
1541 **U F BOOKKEEPING SVC**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*

7334 **MERRYHILL MIDDLE SCHOOL**...*SCHOOLSUNIVERSITIES & COLLEGES ACADEMIC*
7334 **MERRYHILL MIDDLE SCHOOL**...*SCHOOLS*
7334 **NOBEL LEARNING COMMUNITIES INC**...*EDUCATION CENTERS*
7335 **MERRYHILL PRESCHOOL**...*PRE-SCHOOLS*
7335 **MERRYHILL PRESCHOOL**...*SCHOOLS-NURSERY & KINDERGARTEN ACADEMIC*
7375 **ACC ADMINISTRATION**...*NONCLASSIFIED ESTABLISHMENTS*
7375 **ASIAN COMMUNITY CTR**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
7375 **ASIAN COMMUNITY CTR**...*FEDERAL GOVERNMENT CONTRACTORS*
7375 **ASIAN COMMUNITY CTR**...*CONSTRUCTION COMPANIES*

2016 CORPORATE WAY
SOURCE: DIGITAL BUSINESS DIRECTORY

165 total records. Part 1 of 3

1100 **AFLAC REGIONAL OFFICE**...*INSURANCE*
1100 **EXPRESS EMPLOYMENT PRO**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
1100 **EXPRESS SERVICES**...*SERVICES NEC*
1100 **GREENHAVEN CORPORATE PLAZA**...*MEDICAL ALARMS (WHLS)*
1100 **SU CASA**...*RESIDENTIAL PROPERTY MANAGERS*
1100 **SU CASA FINANCIAL INC**...*REAL ESTATE*
1100 **ZIP REALTY**...*REAL ESTATE*
1102 **ALAN FUKUSHIMA ENROLLED AGENT**...*TAX CONSULTANTS*
1102 **BRYAN CHEW & ASSOC**...*RETIREMENT PLANNING SERVICES*
1102 **CALIFORNIA CAREGIVERS**...*NONCLASSIFIED ESTABLISHMENTS*
1102 **FLIGHT STANDARDS DISTRICT OFF**...*FEDERAL GOVERNMENT-TRANSPORTATION PRGRMS*
1102 **GREEN HAVEN FAMILY PRACTICE**...*PHYSICIANS & SURGEONS*
1104 **180 ASSET GROUP**...*UNCLASSIFIED ESTABLISHMENTS*
1104 **AMERICAN HOME CARE**...*HOME HEALTH CARE SERVICES*
1104 **CALLPATH SOLUTIONS**...*ALL OTHER TELECOMMUNICATIONS*
1104 **CAPITOL PARK NANNIES**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
1104 **CONNECT CONSULTING SVC**...*FEDERAL GOVERNMENT CONTRACTORS*
1104 **CREATIVE CARTOONS**...*ARTISTS-COMMERCIAL*
1104 **DECKER, GARY S**...*ATTORNEYS*
1104 **FOSTER LAW OFFICE**...*ATTORNEYS*
1104 **HILBERS INC**...*CONSTRUCTION CONSULTANTS*
1104 **HOME SECURITY SACRAMENTO**...*SECURITY SYSTEMS*
1104 **JACK CLANCY ASSOC JCA**...*HUMAN RESOURCE CONSULTANTS*
1104 **JD TAX ACCOUNTING SVC**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*
1104 **KLUG DHALIWAL LOPEZ PC**...*OFFICES OF LAWYERS*
1104 **LAURA L TAYLOR LAW OFFICES**...*ATTORNEYS*
1104 **MAXIMUM EXPOSURE MEDIA**...*ADVERTISING-AGENCIES & COUNSELORS*
1104 **MICKEL TENNELEY REPORTING**...*COURT & CONVENTION REPORTERS*
1104 **NATIONAL EDUCATION ENRICHMENT**...*EDUCATIONAL SERVICE-BUSINESS*
1104 **NATIONAL-EDUCATIONAL**...*FEDERAL GOVERNMENT CONTRACTORS*
1104 **NIRWAN ASSOCIATES**...*OFFICES OF LAWYERS*
1104 **PACIFIC BUSINESS CTR INC**...*BUSINESS MANAGEMENT CONSULTANTS*
1104 **PAIR POINT GROUP**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
1104 **PRIVATE WEALTH MANAGEMENT**...*NONCLASSIFIED ESTABLISHMENTS*
1104 **REQUEST RESULTS LLC**...*INFORMATION & REFERRAL SVCS*
1104 **RIVERSMITH ENGINEERING INC**...*ENGINEERS*
1104 **RIVERSMITH ENGINEERING INC**...*FEDERAL GOVERNMENT CONTRACTORS*
1104 **SAFEWORK INC**...*SAFETY CONSULTANTS*
1104 **THOMPSON-TAYLO, KALA**...*COUNSELORS*
1104 **TOP WEB RANK**...*WEBSITE DESIGN SERVICE*
1104 **TSUDA-NGUYEN, VANESSA L DO**...*PHYSICIANS & SURGEONS*
1106 **SUPERIOR SELF STORAGE**...*LESSORS OF MINIWAREHOUSES & SELF-STORAGE UNITS*
1108 **DENTAL EXCELLENCE-GREENHAVEN**...*DENTISTS*
1108 **SIU, KAYEE DDS**...*DENTISTS*
1108 **WONG, DENNIS D DDS**...*DENTISTS*
1110 **KIDS CARE DENTAL 1110**...*OFFICES OF DENTISTS*
1110 **KIDS CARE DENTAL GROUP**...*DENTISTS*
1122 **ALL PROFESSIONAL**...*REAL ESTATE*
1122 **ALL PROFESSIONAL**...*REAL ESTATE MANAGEMENT*
1122 **DOUGLAS YOUNG**...*RESIDENTIAL*
1122 **NORTHERN CALIFORNIA RESEARCH**...*PHYSICIANS & SURGEONS*
1180 **ACC GREENHAVEN TERRACE**...*RETIREMENT COMMUNITIES & HOMES*
1180 **ACC GREENHAVEN TERRACE**...*APARTMENTS*
1180 **AIKO UYEOKA**...*RESIDENTIAL*
1180 **AKIHARU YASUDA**...*RESIDENTIAL*
1180 **ALELIZ MOSELEY**...*RESIDENTIAL*
1180 **ALVON FONG**...*RESIDENTIAL*
1180 **AMY ISHIMA**...*RESIDENTIAL*
1180 **AZELIA MOSELEY**...*RESIDENTIAL*
1180 **BERNICE JONES**...*RESIDENTIAL*
1180 **BETTY MAR**...*RESIDENTIAL*
1180 **BEVERLY SCHILDER**...*RESIDENTIAL*
1180 **BLACKIE KURIHARA**...*RESIDENTIAL*
1180 **BRIDGETTE WESTBROOKE**...*RESIDENTIAL*
1180 **CIMINOCARE**...*RESIDENTIAL CARE HOMES*
1180 **CONNIE STUPAR**...*RESIDENTIAL*

Part 2 of 3

1180 **COY CHAMBERS**...*RESIDENTIAL*
1180 **DAVID REES**...*RESIDENTIAL*
1180 **DELCIA WAGNER**...*RESIDENTIAL*
1180 **DOROTHY FAUTH**...*RESIDENTIAL*
1180 **DOROTHY KOGA**...*RESIDENTIAL*
1180 **DOROTHY MASUI**...*RESIDENTIAL*
1180 **DOROTHY WONG**...*RESIDENTIAL*
1180 **EILEEN MARSH**...*RESIDENTIAL*
1180 **ELEANOR CUMMINGS**...*RESIDENTIAL*
1180 **ELMER STEPP**...*RESIDENTIAL*
1180 **ELSIE YUN**...*RESIDENTIAL*
1180 **FELISMINO ALMEIDA**...*RESIDENTIAL*
1180 **FERNELL CLEMMER**...*RESIDENTIAL*
1180 **FLORENCE KOZUSKO**...*RESIDENTIAL*
1180 **FRANK HACHIYA**...*RESIDENTIAL*
1180 **GEORGE TSUSAKI**...*RESIDENTIAL*
1180 **GOLDEN HARRIS**...*RESIDENTIAL*
1180 **GRACE SANWO**...*RESIDENTIAL*
1180 **H MCGOWAN**...*RESIDENTIAL*
1180 **HANK SETO**...*RESIDENTIAL*
1180 **HOLDEN BRINK**...*RESIDENTIAL*
1180 **HYACINTHE MANNS**...*RESIDENTIAL*
1180 **JAMES KANEMOTO**...*RESIDENTIAL*
1180 **JAMES STOWELL**...*RESIDENTIAL*
1180 **JANET COLEMAN**...*RESIDENTIAL*
1180 **JERI RAY**...*RESIDENTIAL*
1180 **JOANN COOPER**...*RESIDENTIAL*
1180 **JOCELYN JONES**...*RESIDENTIAL*
1180 **JOHN DICKSON**...*RESIDENTIAL*
1180 **JOSEPHINE MARTIN**...*RESIDENTIAL*
1180 **KAZUMI KURITA**...*RESIDENTIAL*
1180 **KIKUE HORI**...*RESIDENTIAL*
1180 **KING BROOKS**...*RESIDENTIAL*
1180 **KINUYE MURAKI**...*RESIDENTIAL*
1180 **KIYOTA YOSHIKO**...*RESIDENTIAL*
1180 **KUI FONG**...*RESIDENTIAL*
1180 **KWONG NGAI**...*RESIDENTIAL*
1180 **LEIGH BROIN**...*RESIDENTIAL*
1180 **LINDA MURAKI**...*RESIDENTIAL*
1180 **M & J DAYCARE CTR**...*CHILD CARE SERVICE*
1180 **MARCIA JANICH**...*RESIDENTIAL*
1180 **MARIA FRYE**...*RESIDENTIAL*
1180 **MARION KANEMOTO**...*RESIDENTIAL*
1180 **MARK TANABE**...*RESIDENTIAL*
1180 **MARTHA LEONHARDT**...*RESIDENTIAL*
1180 **MARY REMEDIOS**...*RESIDENTIAL*
1180 **MARY THAMES**...*RESIDENTIAL*
1180 **MASAE OTA**...*RESIDENTIAL*
1180 **MERIKO ISHIGAKI**...*RESIDENTIAL*
1180 **MIYEKO TANAKA**...*RESIDENTIAL*
1180 **MOBVO KURITA**...*RESIDENTIAL*
1180 **MONICA BROWN**...*RESIDENTIAL*
1180 **MYRA KIYOTA**...*RESIDENTIAL*
1180 **NANCY BENNETT**...*RESIDENTIAL*
1180 **NOBUO KURITA**...*RESIDENTIAL*
1180 **PATRICIA BOYTE**...*RESIDENTIAL*
1180 **PATRICIA FRY**...*RESIDENTIAL*
1180 **PAUL BOYTE**...*RESIDENTIAL*
1180 **PAULA NORRIS**...*RESIDENTIAL*
1180 **RALPH CUMMINGS**...*RESIDENTIAL*
1180 **RAYMOND MOSELEY**...*RESIDENTIAL*
1180 **RIICHI FUWA**...*RESIDENTIAL*
1180 **RUBY TANABE**...*RESIDENTIAL*
1180 **RUTH CAZIERE**...*RESIDENTIAL*
1180 **RUTHIE ROGERS**...*RESIDENTIAL*
1180 **RYUSANNE KANEMOTO**...*RESIDENTIAL*
1180 **SALLY EBERSOLE**...*RESIDENTIAL*
1180 **STEPHEN STUPAR**...*RESIDENTIAL*
1180 **VICKI BEATON**...*RESIDENTIAL*

Part 3 of 3

1180 **VICKI HIGAREDA**...*RESIDENTIAL*
1180 **VIRGINIA GEE**...*RESIDENTIAL*
1180 **WAYNE YAMAMURA**...*RESIDENTIAL*
1180 **YOSHIO KURITA**...*RESIDENTIAL*
1180 **YUKIKO HACHIYA**...*RESIDENTIAL*
1180 **YUKIYASU UYEOKA**...*RESIDENTIAL*
1501 **CLEAREND**...*CHURCHES*
1501 **MATA CHIROPRACTIC INC**...*CHIROPRACTORS DC*
1501 **SMART FOOD MANAGEMENT**...*RESTAURANT MANAGEMENT*
1511 **ALLSTATE**...*INSURANCE*
1511 **FRITZSCHE ASSOCIATES INC**...*ACCOUNTANTS*
1511 **MONTGOMERY & ASSOC**...*TRUCKS-INDUSTRIAL (WHLS)*
1511 **NATURAL VALUE INC**...*ORGANIC FOODS & SERVICES*
1521 **CIS COMMERCIAL INSURANCE SVC**...*INSURANCE*
1521 **COMMERCIAL INSURANCE SVC LLC**...*INSURANCE AGENCIES & BROKERAGES*
1521 **KATRINA CADY PSYD**...*HOME HEALTH SERVICE*
1521 **KATRINA CADY PSYD**...*PSYCHOLOGISTS*
1521 **SILVA COST CONSULTING**...*CONSTRUCTION ESTIMATES*
1531 **BURTON, SHACUNDA J**...*PSYCHOLOGISTS*
1531 **CHEPERKA, RYAN ANNE PHD**...*PSYCHOLOGISTS*
1531 **JACKSON, TAMEKA PHD**...*PSYCHOLOGISTS*
1531 **KARIM, PIA**...*PHYSICAL THERAPISTS*
1531 **MARLU INVESTMENT GROUP**...*FOOD PRODUCTS-RETAIL*
1531 **MIMMS, TIFFANY**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
1531 **PARKER, JUDITH**...*COUNSELORS*
1531 **SHAH, SHEETAL PHD**...*PSYCHOLOGISTS*
1541 **KIKUMOTO REAL ESTATE**...*REAL ESTATE*
1541 **ROBERT MASUDA LAW OFFICES**...*ATTORNEYS*
1541 **SMITH FIRM**...*ATTORNEYS*
1541 **U F BOOKKEEPING SVC**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*

7334 **MERRYHILL MIDDLE SCHOOL**...*SCHOOLS*
7335 **MERRYHILL PRESCHOOL**...*PRE-SCHOOLS*
7335 **PHOENIX CHILDREN'S ACADEMY**...*SCHOOLS-NURSERY & KINDERGARTEN ACADEMIC*
7375 **ASIAN COMMUNITY CTR**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
7375 **ASIAN COMMUNITY CTR**...*FEDERAL GOVERNMENT CONTRACTORS*

2012 CORPORATE WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

1100 **GREENHAVEN CORPORATE PLAZA**...*MEDICAL ALARMS (WHLS)*
1100 **HILBERS INC**...*CONSTRUCTION CONSULTANTS*
1100 **SU CASA FINANCIAL INC**...*REAL ESTATE*
1102 **BRYAN CHEW & ASSOC**...*RETIREMENT PLANNING SERVICES*
1104 **HOME SECURITY SACRAMENTO**...*SECURITY SYSTEMS*
1104 **MAXIMUM EXPOSURE MEDIA**...*ADVERTISING-AGENCIES & COUNSELORS*
1104 **MICKEL TENNELEY REPORTING**...*COURT & CONVENTION REPORTERS*
1104 **NATIONAL-EDUCATIONAL**...*HOSPITALS*
1104 **PAIR POINT GROUP**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
1104 **RIVERSMITH ENGINEERING INC**...*ENGINEERS*
1104 **SAFEWORK INC**...*SAFETY CONSULTANTS*
1106 **SUPERIOR SELF STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1108 **DENTAL EXCELLENCE-GREENHAVEN**...*DENTISTS*
1108 **FONG, SHERYL L DDS**...*DENTISTS*
1108 **OWYOUNG, ANDREW DDS**...*DENTISTS*
1108 **SIU, KAYEE DDS**...*DENTISTS*
1108 **SOFT TOUCH DENTISTRY**...*DENTISTS*
1108 **WONG, DENNIS D DDS**...*DENTISTS*
1122 **ALL PROFESSIONAL**...*REAL ESTATE*
1122 **NORTHERN CALIFORNIA RESEARCH**...*PHYSICIANS & SURGEONS*
1122 **YOUNG, DOUGLAS MD**...*PHYSICIANS & SURGEONS*
1180 **ACC GREENHAVEN TERRACE**...*APARTMENTS*
1180 **BARBARA CALACI**...*RESIDENTIAL*
1180 **BETTE JAMESON**...*RESIDENTIAL*
1180 **D FAUTH**...*RESIDENTIAL*
1180 **DM WELSH**...*RESIDENTIAL*
1180 **DOROTHY KOGA**...*RESIDENTIAL*
1180 **GOPAL KRON**...*RESIDENTIAL*
1180 **GWEN JACKSON**...*RESIDENTIAL*
1180 **JOANNE MARKWEL**...*RESIDENTIAL*
1180 **JOHN HILLERMAN**...*RESIDENTIAL*
1180 **K BEVERLY**...*RESIDENTIAL*
1180 **L REMEDIOS**...*RESIDENTIAL*
1180 **LARRY BURHAM**...*RESIDENTIAL*
1180 **MARTHA LEONHARDT**...*RESIDENTIAL*
1180 **MARY EPEDE**...*RESIDENTIAL*
1180 **PATRICIA BARAN**...*RESIDENTIAL*
1180 **RUBY TANABE**...*RESIDENTIAL*
1180 **VINCE CALACI**...*RESIDENTIAL*
1501 **CLEAREND**...*CHURCHES*
1501 **MATA CHIROPRACTIC INC**...*CHIROPRACTORS DC*
1501 **SMART FOOD MANAGEMENT**...*RESTAURANT MANAGEMENT*
1521 **CAROL VOYLES LCSW**...*SOCIAL WORKERS*
1521 **DANIEL BURNS & ASSOC**...*NONCLASSIFIED ESTABLISHMENTS*
1521 **TIFFANY MIMMS PHD**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
1541 **KIKUMOTO REAL ESTATE**...*REAL ESTATE*
1541 **ROBERT MASUDA LAW OFFICES**...*ATTORNEYS*
1541 **SMITH FIRM**...*ATTORNEYS*
1541 **U F BOOKKEEPING SVC**...*NONCLASSIFIED ESTABLISHMENTS*

2012 PARK CITY DR

SOURCE: DIGITAL BUSINESS DIRECTORY

7334 **MERRYHILL MIDDLE SCHOOL**...*SCHOOLS*
7335 **PHOENIX SCHOOLS**...*CHILD CARE SERVICE*
7375 **ASIAN COMMUNITY CTR**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
7375 **GREENHAVEN CENTER**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*

2008 CORPORATE WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

1106 **STORAGE USA**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1106 **SUPERIOR SELF STORAGE**...*WAREHOUSING SELF STOR*
1106 **SUSA PARTNERSHIP LP**...*SELF STORAGE WAREHOUSE*
1108 **GREENHAVEN DENTAL COMPLEX**...*DENTISTS OFF,CLINIC*
1108 **GREENHAVEN QUALITY FAMILY DTSY**...*SPECIALTY UNKNOWN*
1108 **SOFT TOUCH DENTISTRY**...*DENTISTS*
1180 **FOUNTAINS AT GREENHAVEN**...*APARTMENT BLD OPERS*
1180 **FOUNTAINS AT GREENHAVEN**...*APARTMENTS*
1501 **MATA CHIROPRACTIC INC**...*CHIROPRACTORS OFF*
1501 **SMART FOOD MANAGEMENT**...*CATERER/CONTRACT SERVICE*
1511 **ALLSTATE INSURANCE CO**...*INSURANCE AGENTS,BRKR*
1511 **LOAN SERVICING CTR**...*MORTGAGE BANKERS*
1521 **CAROL A VOYLES**...*MEDICAL DOCTORS OFF*
1521 **CAROL A VOYLES**...*PSYCHOTHERAPISTS*
1521 **DANIEL BURNS & ASSOC**...*NCLASSIFIABLE ESTAB*
1521 **GJH REBAR SVC**...*IRON,STEEL,FERR PDTS*
1521 **GREAT SCHOOLS WORKSHOP**...*EDUCATION CONSULTANT*
1531 **M NEAL LISSA**...*REAL ESTATE AGT,MGR*
1531 **SOUTH EAST ASIA RESOURCE ACTN**...*SOCIAL SERVICES*
1531 **TRI POINTE MORTGAGE GROUP**...*MORTGAGE BANKERS*
1541 **JKO REALTY**...*REAL ESTATE AGT,MGR*
1541 **KIKUMOTO REAL ESTATE**...*REAL ESTATE AGT,MGR*
1541 **ROBERT MASUDA LAW OFFICE**...*LEGAL SERVICES*
1541 **SMITH FIRM**...*LEGAL SERVICES*
1541 **U F BOOKKEEPING SVC**...*NCLASSIFIABLE ESTAB*

2008 PARK CITY DR

SOURCE: DIGITAL BUSINESS DIRECTORY

7334 **MERRYHILL PREPARATORY SCHOOL**...*SCHOOLS*
7334 **MERRYHILL PREPARATORY SCHOOL**...*ELEMENT, SECON SCHL*
7335 **PHOENIX SCHOOLS**...*NURSERY SCHOOL*
7335 **PHOENIX SCHOOLS**...*SCHOOLS-NURSERY & KINDERGARTEN ACADEMIC*
7375 **ASIAN COMMUNITY CTR**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
7375 **ASIAN COMMUNITY CTR**...*SOCIAL SERVICES*
7375 **ASIAN COMMUNITY NURSING HOME**...*SKILLED NURSING FACILITY*
7375 **CALIFORNIA CHINESE E-RESOURCES**...*EXPLORERS-NATURAL RESOURCES*

2003 CORPORATE WAY

SOURCE: DIGITAL BUSINESS DIRECTORY

1106 **STORAGE USA**

2003 PARK CITY DR

SOURCE: DIGITAL BUSINESS DIRECTORY

7334 **MERRYHILL PREPARATORY SCHOOL...** *PUBLIC ELEMENTARY AND SECONDARY SCHOOLS*
7335 **PHOENIX SCHOOLS**
7375 **ASIAN COMMUNITY NURSING HOME**
7375 **REAL ESTATE CO**

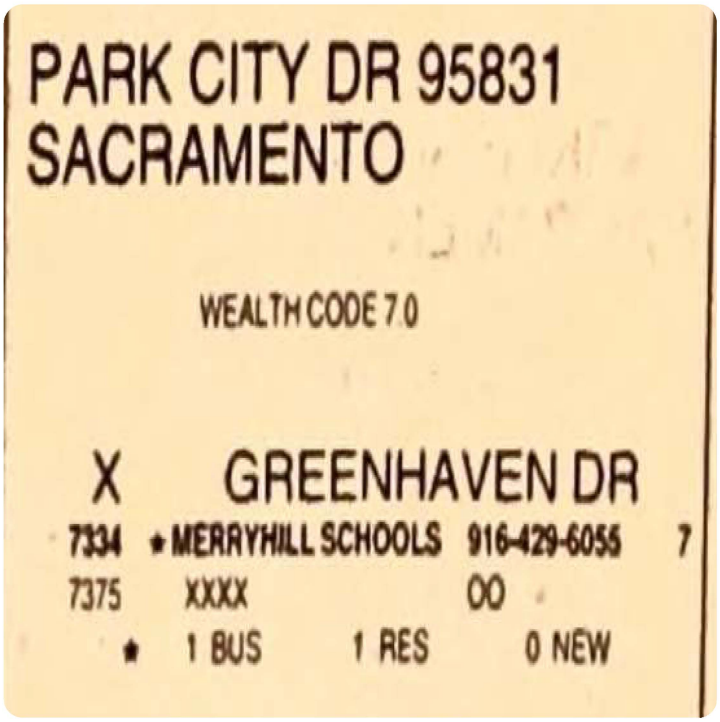
2001 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

2001 PARK CITY DR

SOURCE: HAINES


PARK CITY DR 95831
SACRAMENTO

WEALTH CODE 7.0

X GREENHAVEN DR

7334 * MERRYHILL SCHOOLS 916-429-6055 7

7375 XXXX OO

* 1 BUS 1 RES 0 NEW

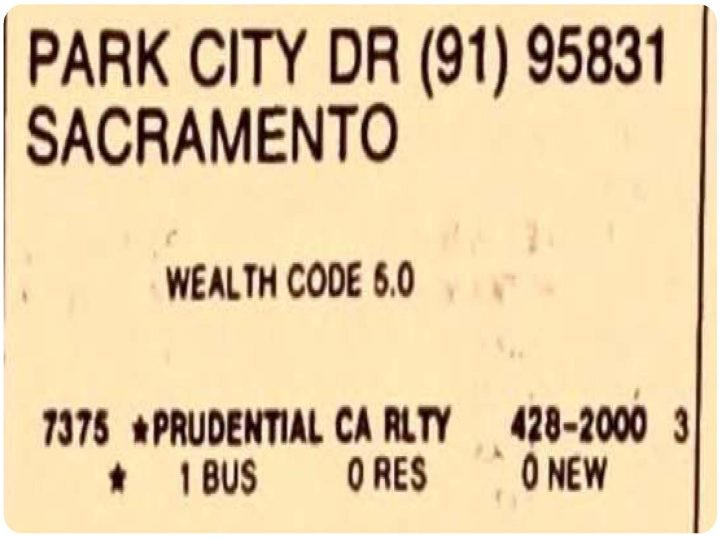
1995 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

1995 PARK CITY DR

SOURCE: HAINES



1990 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

1990 PARK CITY DR

SOURCE: HAINES

STREET NOT LISTED

1985 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

1985 PARK CITY DR

SOURCE: HAINES

STREET NOT LISTED

1980 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

1980 PARK CITY DR

SOURCE: HAINES

STREET NOT LISTED

1976 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

1976 PARK CITY DR

SOURCE: HAINES

STREET NOT LISTED

1970 CORPORATE WAY

SOURCE: HAINES

STREET NOT LISTED

1970 PARK CITY DR

SOURCE: HAINES

STREET NOT LISTED

1967 CORPORATE WAY

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

1967 PARK CITY DR

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

1960 CORPORATE WAY

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1960 PARK CITY DR

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1956 CORPORATE WAY

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1956 PARK CITY DR

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1950 CORPORATE WAY

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1950 PARK CITY DR

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1946 CORPORATE WAY

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1946 PARK CITY DR

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1943 CORPORATE WAY

SOURCE: SACRAMENTO DIRECTORY CO

STREET NOT LISTED

1943 PARK CITY DR

SOURCE: SACRAMENTO DIRECTORY CO

STREET NOT LISTED

1940 CORPORATE WAY

SOURCE: POLKS

STREET NOT LISTED

1940 PARK CITY DR

SOURCE: POLKS

STREET NOT LISTED

1935 CORPORATE WAY

SOURCE: POLKS

STREET NOT LISTED

1935 PARK CITY DR

SOURCE: POLKS

STREET NOT LISTED

1930 CORPORATE WAY

SOURCE: SACRAMENTO DIRECTORY CO

STREET NOT LISTED

1930 PARK CITY DR

SOURCE: SACRAMENTO DIRECTORY CO

STREET NOT LISTED

1925 CORPORATE WAY

SOURCE: SACRAMENTO DIRECTORY CO

STREET NOT LISTED

1925 PARK CITY DR

SOURCE: SACRAMENTO DIRECTORY CO

STREET NOT LISTED

APPENDIX E
Environmental Professional Resumes

Chris Breemer, R.G

Principal Geologist

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS	EDUCATION
Oregon: Registered Geologist (G2006)	M.S., Geology, Oregon State University, 2000
Washington: Licensed Geologist (2415)	B.A., Geography, University of California Berkeley, 1992
California: Professional Geologist (8038)	
Idaho: Registered Geologist (PGL-1367)	

Chris Breemer has over 20 years of environmental consulting experience. His experience includes management and implementation of Phase I and II environmental assessments, remedial investigations, and liability evaluations at a wide range of commercial and industrial facilities, including rail yards, port facilities, manufacturing facilities, service stations, lumber mills, mining sites, bulk fuel terminals, and agricultural facilities. Focus areas include petroleum compounds, chlorinated solvents, dioxins and furans, and metals in soil, soil vapor, sediment, and groundwater. Mr. Breemer has managed numerous multi-year environmental service contracts with local and state agencies, as well as multi-state due diligence portfolios.

GENERAL EXPERIENCE

2021 – Present	**Principal Geologist – GeoEngineers, Inc., Portland, Oregon**
2015 - 2021	**Principal Geologist – Cascadia Associates, LLC, Portland, Oregon**
2010 - 2015	**Principal Geologist - Apex Companies, LLC/Ash Creek Associates, Inc., Portland, Oregon**
2002 - 2010	**Associate Geologist– GeoEngineers, Inc., Portland, Oregon**
2000 - 2002	**Project Manager - Enviroforensics, Inc.**

PROJECT EXPERIENCE

INVESTIGATION AND REMEDIATION PROGRAM EXPERIENCE

Mr. Breemer has performed and managed cleanup/remediation programs at sites throughout the U.S. These investigation/remediation efforts have involved a variety of contaminants (dry cleaning solvents, metals, petroleum compounds, PCBs, and others) in a range of media. Selected projects are listed below.

NuStar Energy, Investigation and Remediation, Numerous Sites, Nationwide. Manages assessment and remediation activities at a portfolio of bulk petroleum storage and distribution facilities at locations throughout the U.S. Mr. Breemer is responsible for overall program management, including strategic planning, technical oversight, client communications, and regulatory negotiations. The portfolio currently includes a range of activities including active remediation, natural attenuation remedies, and remedial investigation/feasibility studies.

Gunderson LLC, Source Control Evaluations and Source Control Measures, Portland, Oregon. Managed evaluations of groundwater, stormwater, and erodible soil risks to the Willamette River, within the context of the Oregon Department of Environmental Quality's Portland Harbor Upland Source Control effort. Assisted Gunderson to design and implement riverbank and stormwater source control measures. Provided expert services to Gunderson LLC and legal counsel to support the Portland Harbor Superfund site liability allocation process. Provided strategic advice for managing a range of environmental matters at the facility.

Redmond Rod and Gun Club, Small Arms Firing Range Investigation, Risk Assessment, and Feasibility Study, Redmond, Oregon. Managed the investigation of the horizontal and vertical extent of impacts related to historical and ongoing use of several small arms firing ranges and an associated unpermitted solid waste disposal area. Data obtained during the investigations was used to evaluate risks to humans and ecological receptors under current and planned industrial development scenarios. Based on the conclusions of the investigation and risk assessment, Mr. Breemer prepared a feasibility study that recommended capping the impacted soil with soil, concrete, or asphalt-concrete pavement. To reduce remediation costs, the proposed remedy was designed to be performed concurrently with future industrial development of the site.

NuStar Energy, Portland Harbor Superfund Site Expert Support, Portland, Oregon. Provided expert guidance and technical support for environmental assessment activities performed to evaluate potential liability associated with the Portland Harbor Superfund Site. Assisted legal counsel in review and preparation of disclosure documents. Provided ongoing support for interpretation and response to remedial investigation/feasibility study documents.

Former Kaiser Shipyards Investigation and Remediation, Vancouver, WA. Managed a site investigation, feasibility study, and cleanup action plan for a two-acre property affected by World War II era debris. The debris contained elevated concentrations of lead and other constituents. Using data from a neighboring property, and a small amount of additional data, Chris was able to demonstrate that the hazardous substances in debris did not pose a risk to groundwater or to workers at the site. Chris demonstrated that existing clean soil functioned as an adequate cap for protection of human health. The Washington Department of Ecology approved of the proposed remedy and issued a no further action opinion. To reduce overall future monitoring costs, Chris assisted the property owner to negotiate a cost sharing agreement with the City of Vancouver. The entire project was completed in approximately eight months.

Confidential Client, Remedial Investigation and Liability Evaluation, Washington. Managed an assessment of environmental conditions at an active wood treating facility. Reviewed analytical data to estimate the magnitude and extent of environmental impacts. Developed a range of remediation scenarios and cost estimates and assigned probabilities to the various scenarios. The client used the information to make decisions about insurance recovery efforts and ownership transition scenarios.

Oregon Department of Transportation (ODOT), On-Call Environmental Services, Statewide, Oregon. Program Manager for statewide on-call environmental services contract. Services performed include investigation and remediation of impacted ODOT facilities and performance of environmental due diligence at prospective acquisition properties. Under Mr. Breemer's management, this contract was renewed for consecutive four-year periods.

Portland Development Commission, On-Call Environmental Services, Portland, Oregon. Program Manager for on-call environmental services contract. Services performed include Phase I Environmental Site Assessments, vapor intrusion evaluations, remedial investigation, cleanup of impacted commercial and residential properties, and litigation support. Under Mr. Breemer's management, this contract was renewed for consecutive three-year periods.

Kendall Automotive Investigation and Remediation, Lewiston, Idaho. Project manager for a remedial investigation at an automobile dealership impacted by petroleum hydrocarbons and volatile organic compounds in soil, groundwater, and soil gas. Mr. Breemer designed an investigation that demonstrated high concentrations of VOCs in the subsurface were not significantly affecting indoor air. Subsequently, Mr. Breemer managed the design, installation, and operation of a soil vapor extraction system that effectively treated gasoline-range hydrocarbons in the subsurface.

Cedar Mill Remedial Investigation, Human and Ecological Risk Assessments, and Interim Removal, Lyons, Oregon. Managed a remedial investigation at a former wood treating facility that is impacted by pentachlorophenol, dioxins and furans, and other chemicals in soil, sediment, and groundwater. Chris managed human and ecological risk assessments to demonstrate that the contamination could be mostly managed in-place, resulting in significant cost savings. An interim removal measure, consisting of removal of soil containing high concentrations of hazardous substances, was implemented to support future site closure efforts. Future proposed work includes implementation of engineering controls to address residual contamination in soil.

Sunriver Owners Association, Remedial Investigation and Cleanup, Sunriver, Oregon. Managed an RI/FS, remedial design, and remediation at a 5.9-acre public area impacted by asbestos in soil. Tasks included a human health risk assessment, community relations, and subcontractor procurement. Following approval of the RI/FS, Chris managed the remedial design and implementation of the remedial action, consisting of capping the impacted media in-place. The work was conducted under oversight by Oregon's DEQ's Land Quality and Air Quality Divisions. The project received an Oregon Brownfield Award in 2012.

Shell Oil Products, U.S., Investigation and Remediation, Numerous Sites, Pacific Northwest. Managed assessment and remediation activities at a portfolio of retail and bulk petroleum storage and distribution facilities at locations throughout the Pacific Northwest. Mr. Breemer prepared and implemented investigation work plans in accordance with state requirements. Mr. Breemer obtained numerous No Further Action determinations for these facilities from the Oregon Department of Environmental Quality.

ODOT Building J Groundwater Investigation, Salem, Oregon. Mr. Breemer managed the assessment of groundwater conditions at a historical UST release site at the ODOT East Salem Maintenance facility. The investigation was conducted to obtain regulatory closure for releases of petroleum hydrocarbons and chlorinated solvents (vinyl chloride) from previously decommissioned waste oil USTs. Mr. Breemer worked with ODOT personnel to develop a scope of work, budget, and schedule sufficient to assess conditions but not interrupt work on the ODOT facility and on adjacent land owned by others. Investigation data were sufficient to obtain a no further action determination from the Oregon DEQ.

SE Flavel Industrial Property Subsurface Assessment and Remediation, Portland, Oregon. Mr. Breemer managed the assessment of soil and groundwater conditions at a vacant industrial property on behalf of the Portland Bureau of Environmental Services. The City of Portland Parks and Recreation Department was considering purchasing the property for use as a maintenance facility. Data indicated that soil and groundwater at the site were impacted by petroleum compounds and associated constituents. Chris was able to demonstrate that the contaminants would not pose an unacceptable risk to human health and could be managed in-place, without the need for remediation. The City of Portland Parks and Recreation Department since purchased the property.

Hotel Heating Oil Tank Decommissioning and Vapor Intrusion Investigation, Astoria, Oregon. Mr. Breemer managed the decommissioning of a heating oil tank at a hotel in Astoria. Oil released from the tank, and possibly from other sources, was widespread underneath the hotel and the adjacent roadway. Numerous buried utilities and structures severely limited the locations where subsurface sampling was possible. Chris identified locations where samples could be collected using hand tooling, significantly reducing the costs of the investigation. DEQ was concerned that elevated petroleum concentrations in soil were impacting indoor air. Chris obtained soil gas data sufficient to demonstrate that the subsurface contamination was not significantly affecting indoor air. The data obtained during the investigation were sufficient to demonstrate that people were not likely to be exposed to excess levels of contaminants in soil, groundwater, or indoor air. As a result, DEQ issued a no further action determination without requiring any active remediation.

Kendall Yards, Remedial Investigation and Cleanup, Spokane, Washington. Project manager for a remedial investigation and cleanup of a 77-acre brownfield site. Remediation consisted of removal of approximately 223,000 tons of soil that was impacted by Bunker C oil, metals, and polycyclic aromatic hydrocarbons. The investigation and cleanup were completed in a one-year period.

Eastside Combined Sewer Overflow Outfall 44A Construction Evaluation, Portland, Oregon. Mr. Breemer managed the assessment of soil and groundwater conditions along the proposed alignment of a new sewer pipeline, on behalf of the City of Portland Bureau of Environmental Services. The assessment included soil and groundwater sampling at numerous locations along the alignment. Chris prepared a contaminated media management plan to provide guidance to City contractors for protecting worker health and properly disposing/re-using excavated soil.

Gateway Park Remedial Investigation, Feasibility Study, and Remediation, Portland, Oregon. Mr. Breemer managed Phase I and II environmental site assessments and remediation at a 7-acre property impacted by tetrachloroethene (PCE), trichloroethene (TCE), and other chemicals from a former dry cleaner. The work was conducted on behalf of the Portland Development Commission. Chris developed a remedial action plan, sampling and analysis plan, soil management plan, and quality assurance plan, all of which were reviewed and approved by the Oregon DEQ and the EPA. Following remediation, DEQ issued a risk-based closure for the property.

Tigard Library Remedial Investigation, Risk Assessments, and Construction Management, Tigard, Oregon. Managed an RI to evaluate human and ecological risk from widespread arsenic in soil and sediment. The investigation included a multi-increment sampling program to improve the understanding of site-wide arsenic in sediment. This step showed relatively low sediment risk and lead to a substantial reduction in the scope of remediation. Chris also managed human and ecological risk assessments that demonstrated limited human and ecological risk, as a result, Chris was able to negotiate a remedy with DEQ, which allowed all contaminated soil to remain in place. Mr. Breemer developed and implemented a contaminated media management plan and worker health and safety program that allowed the client to build a roadway through the contaminated area while the RI was being conducted. DEQ is preparing a Staff memo that will allow the City of Tigard to manage the contamination in-place.

Boise Cascade Plywood Mill Site Assessment, Adair Village, Oregon. Mr. Breemer managed a soil, groundwater, and sediment investigation at a former plywood mill that is impacted by pentachlorophenol, dioxins and furans, and other chemicals. He conducted investigations under the oversight of DEQ and the EPA. In addition, he directed a screening–level ecological risk evaluation and determined that dioxin levels in sediment are orders of magnitude higher than acceptable levels.

DUE DILIGENCE AND ALL APPROPRIATE INQUIRY PROGRAM EXPERIENCE

Mr. Breemer has performed Phase I Environmental Site Assessment at hundreds of facilities throughout the U.S>. Assessments have been performed at industrial, commercial, residential, and agricultural sites, ranging from 1/4 –acre to more than 2,000-acres.

PacLand/Wal-Mart, Environmental Due Diligence Investigations at Multiple Sites, Oregon and California. Mr. Breemer served as the Project Manager for numerous Phase I and II environmental site assessments and hazardous building material investigations at prospective retail development sites in Oregon. He conducted due diligence following ASTM methods and client-specific guidelines, at 5- to 20-acre properties with mixed residential, agricultural, and commercial uses. Projects included soil, groundwater, and hazardous building material assessments. Services were performed under expedited schedules, strict confidentiality, and intense review, to prepare for public comment and appeal processes.

Oregon Business Development Department, Environmental Due Diligence, Industrial Land Portfolio, Portland Metropolitan Area, Oregon. Managed environmental due diligence for a portfolio of eleven 20+ acre prospective industrial development properties. Mr. Breemer developed a streamlined investigation approach that resulted in the gathering of key information necessary for planning, but at significantly reduced cost relative to the standard ASTM 1527-05 Phase I ESA process.

Environmental Liability (Sarbanes-Oxley) Evaluation, Various Locations, United States. Mr. Breemer reviewed extensive environmental data for 13 contaminated industrial properties in the western and central United States to identify contaminant-related liabilities. He calculated the value of liabilities that are reportable under financial accounting standards. This process reduced the client's total reportable environmental liability. In addition, Mr. Breemer prepared a prioritized approach for the client to address environmental liabilities at their facilities.

STORMWATER MANAGEMENT

SuperValu Grocery Distribution Centers, Tacoma Washington and Auburn, Washington. Mr. Breemer assisted SuperValu with a wide range of stormwater compliance services and responding to a citizen suit regarding stormwater discharge from the Tacoma, Washington facility. Services included evaluation of the facilities for stormwater pollutants, development of recommendations for short- and long-term stormwater management techniques, design and installation of stormwater treatment facilities, staff training, and preparation of stormwater management plans.

Gunderson LLC Facility, Portland, Oregon. Mr. Breemer assists Gunderson LLC to manage stormwater at a 60+ acre industrial facility that is adjacent to and discharges stormwater to the Portland Harbor Superfund site. Mr. Breemer evaluated facility operations, identified sources of pollutants, developed recommendations for best management practices, coordinated stormwater sampling and analysis, developed and implemented a staff training program, and assisted Gunderson LLC to respond to notices of violation and other regulatory correspondence.

Buffalo Welding, Clackamas, Oregon. Mr. Breemer assisted Buffalo Welding to design and implement a stormwater management plan after receiving an enforcement notice from the state regulatory agency. Mr. Breemer evaluated facility operations, prepared a stormwater management plan, recommended modifications to operations, identified short- and long-term challenges and associated solutions. These services were completed in an expedited four-week period to support the prompt response to the notice of enforcement.

GeoEngineers

APPENDIX E

DRAINAGE TECHNICAL MEMORANDUM

TSD ENGINEERING, INC.
expect more.

Technical Memo

To: City of Sacramento, Department of Utilities
From: Chris Schulze; TSD Engineering, Inc.
Date: April 8, 2024
Re: **DRAINAGE**

This memo discusses the preliminary storm drain design for the Corporate Way Self-Storage project, located in Sacramento, CA. The project proposes to construct a 3-story, 152,625 square foot self-storage facility on approximately 2.3 acres of currently undeveloped land. The site is relatively flat and currently drains southwest. Underlying soils have a hydrologic classification of Type C/D. Type C/D soils have a relatively low infiltration rate.

The property is currently undeveloped. Proposed improvements include a self-storage building, paved travel lanes, curb and gutter, parking stalls, utilities, hardscape, and associated landscaping. Stormwater runoff will be collected and conveyed through gutter and curb cuts to bioretention planters, which are then collected into drainage pipes and discharged into the City's drainage system.

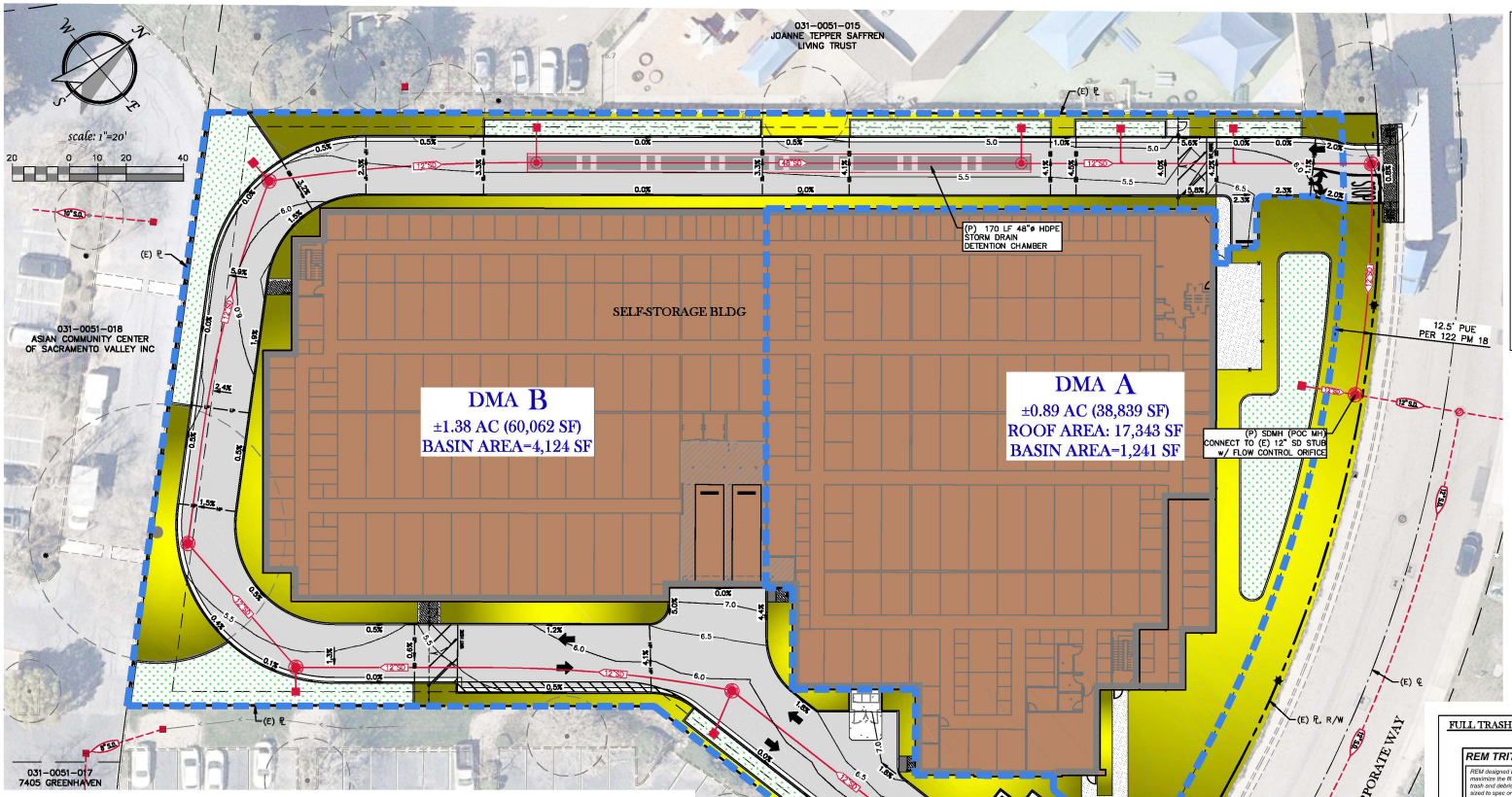
The project site is located within the Zone X area, as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) dated June, 15, 2015, Map Number 06067C0180J. There are no proposed building sites within a FEMA-designated Flood Zone or Special Flood Hazard Area.

No Hydraulic Analysis is provided at this time, but will be required with the improvement plans. At this time, the area comparison, reduction of the assumed impervious surface area and installation of storm water quality best management practices has been used to confirm the capacity of the storm drain system to convey and mitigate runoff from the site.

This site is a part of the City's master drainage basin Sump 142. Onsite Detention is required for the 100-Year Storm Event, at a rate of 6,000 CF per acre of increased impervious area. The total increased impervious area is 1.717 acres, which results in a total of 10,305 CF of detention required. This storage will be provided via the multiple basins around the site, as well as a 48"Ø HDPE Storm Drain Detention Chamber. The sizing is summarized on the DMA Map.

The Sump 142 basin also requires that drainage flows off the site be limited to 0.25 cfs per acre of increased imperviousness. An orifice will be placed in the point-of-connection manhole, in order to limit the flow to this required level.

Preliminary DMA Plan



STORMWATER REQUIREMENTS

DESIGN CRITERIA:

- CONVEY RUNOFF GENERATED BY THE 10YR STORM EVENT
- ONSITE HYDROMODIFICATION IS NOT REQUIRED.
- STORMWATER QUALITY TREATMENT
  (PER 2018 SACRAMENTO REGION STORMWATER QUALITY DESIGN MANUAL LID WORKSHEETS)
  - BIO-RETENTION BASINS HAVE BEEN SIZED TO RETAIN THE RUNOFF GENERATED BY THE 85TH PERCENTILE STORM EVENT.
- IMPLEMENT LOW IMPACT DEVELOPMENT
  (PER 2018 SACRAMENTO REGION STORMWATER QUALITY DESIGN MANUAL LID WORKSHEETS)
  - DISCONNECT ROOF DRAINS
  - INSTALL INTERCEPTOR TREES
- IMPLEMENT FULL TRASH CAPTURE
  - REMOVE PARTICLE LARGER THAN 5 MM PRIOR TO DISCHARGING TO THE CITY STORM DRAIN SYSTEM.
  - INSTALL REM TRITON CRESCENT PIPE SCREEN OR APPROVED EQUAL IN LAST MANHOLE PRIOR TO DISCHARGING TO THE CITY STORM DRAIN SYSTEM.
- PROVIDE ONSITE DRAINAGE DETENTION, AS DESCRIBED IN "STORAGE SUMMARY" BELOW
  (PER SUMP 142 DRAINAGE PLAN AND ONSITE DRAINAGE MANUAL)

STORAGE SUMMARY

STORAGE REQUIRED

100-YR STORAGE REQUIRED: 6,000 CF/AC OF INCREASED IMPERVIOUS AREA

TOTAL INCREASED IMPERVIOUS AREA = 74,811 SF = 1.717 AC

TOTAL 100YR STORAGE REQUIRED:
(1.717 AC) x (6000 SF/AC) = 10,305 CF

STORAGE PROVIDED

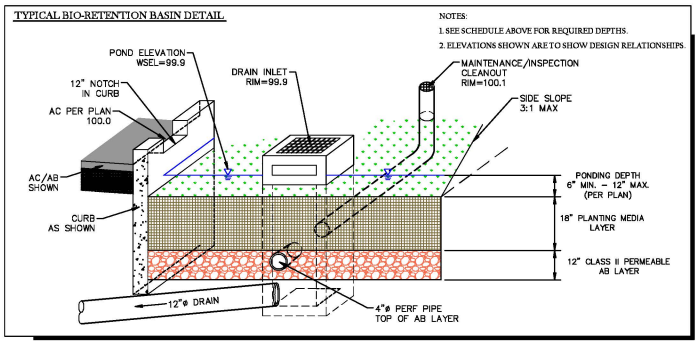
DMA A BASIN:
2' DEEP * 2,209 SF = 4,058 CF

DMA B BASINS:
1' DEEP * 4,125 SF = 4,125 CF

48"ø HDPE STORM DRAIN DETENTION CHAMBER
170 LF * 12.57 SF/LF = 2,137 CF

TOTAL 100YR STORAGE PROVIDED = 10,320 CF

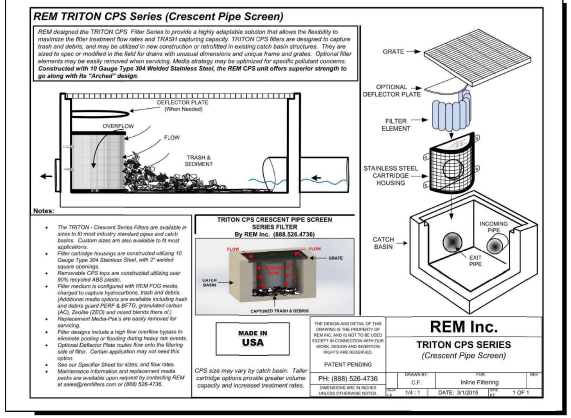
TYPICAL BIO-RETENTION BASIN DETAIL



LEGEND

DESCRIPTION	PROPOSED	EXISTING
STORM DRAIN	12" SD	8" SD
STORM DRAIN MANHOLE	●	○
DROP INLET	■	▦
BIORETENTION BASIN	▨	

FULL TRASH CAPTURE DEVICE



TSD ENGINEERING, INC.
785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-9707
Fax: (916) 608-0701

CORPORATE WAY SELF STORAGE

C5.0

City of Sacramento, CA

Proposed By: Sacramento Corporate Way, LLC

In Association With: TSD ENGINEERING, INC. · SWA ARCHITECTURE & DESIGN · YAMASAKI · VIXXO

APRIL 8, 2024 - ENTITLEMENTS - INITIAL SUBMITTAL

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TSD ENGINEERING, INC.
expect more.

Technical Memo

To: City of Sacramento, Department of Utilities
From: Chris Schulze; TSD Engineering, Inc.
Date: April 8, 2024
Re: **STORM WATER QUALITY**

This memo discusses the low impact development best management practices (BMPs) incorporated into the Corporate Way Self-Storage project, located in Sacramento, CA. The project proposes to construct a 3-story, 152,625 square foot self-storage facility on approximately 2.3 acres of currently undeveloped land. Proposed improvements include a self-storage building, paved travel lanes, curb and gutter, parking stalls, utilities, hardscape, and associated landscaping. The site is relatively flat and currently drains southwest. Underlying soils have a hydrologic classification of Type C/D. Type C/D soils have a relatively low infiltration rate.

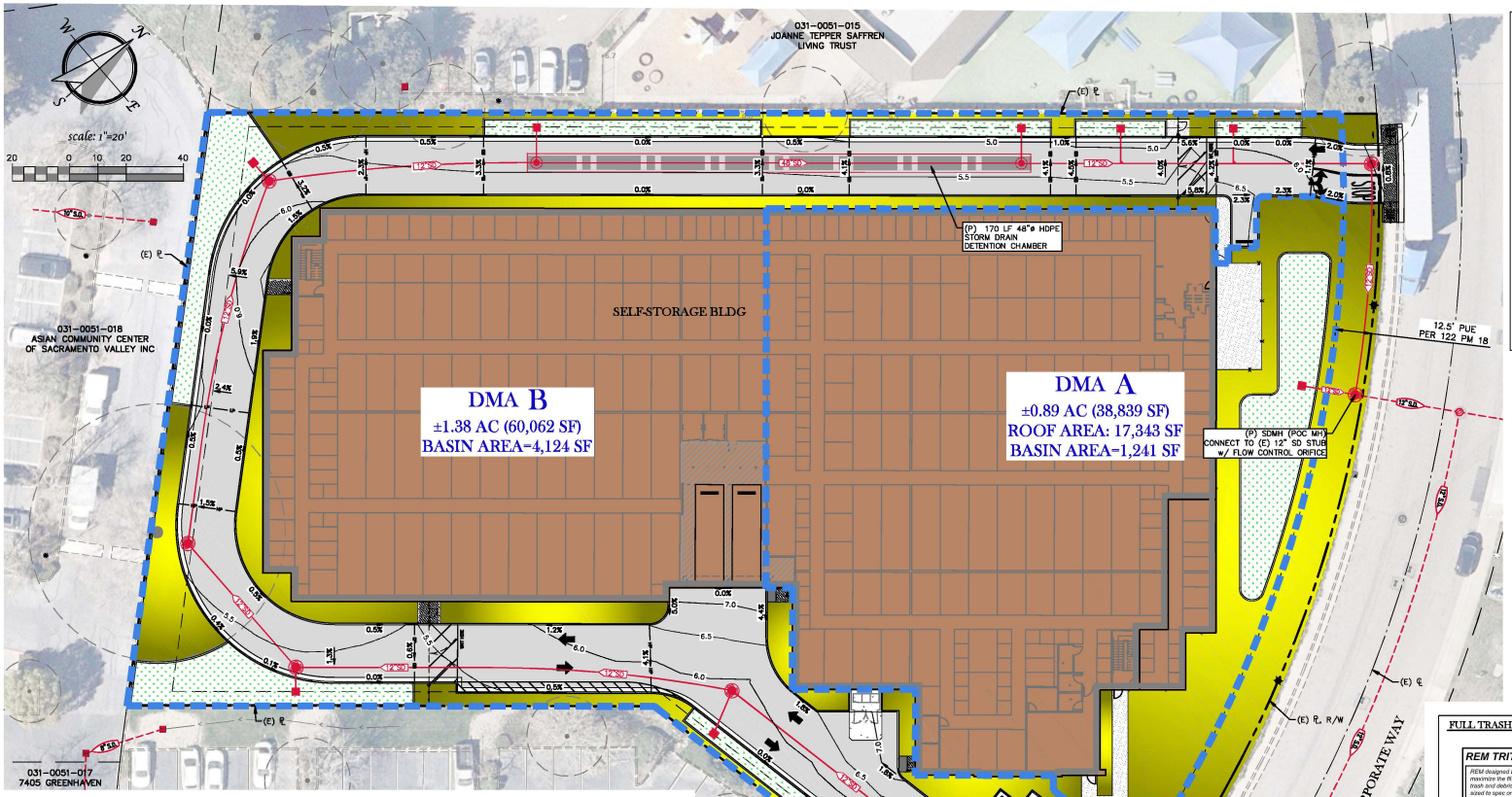
The site is required to provide LID and onsite treatment, as well as source control features and full trash capture control. The project is exempt from the City's hydromodification requirements.

Bio-retention basins have been proposed throughout the site, and have been designed in accordance with the Stormwater Quality Design Manual for the Sacramento Region. The site grading plan has been designed to convey runoff to the bio-retention basins to capture and treat runoff from the impervious areas prior to discharging to the underground storm drain system. The Preliminary Stormwater Control Plan can be seen in the Appendix.

The LID worksheet provided with the Manual was used to size the basins and confirm adequate LID points were achieved and the stormwater volume equivalent to twice the 85th percentile storm is retained. The LID worksheets used to size the bio-retention basins can be seen in the Appendix.

The owner bears sole responsibility for Inspection and Maintenance of the bio-retention basins. The owners will sign and record a Maintenance Agreement that will outline the required inspection and maintenance schedule and activities.

Preliminary DMA Plan



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(1.717 AC) x (6000 SF/AC) = 10,305 CF

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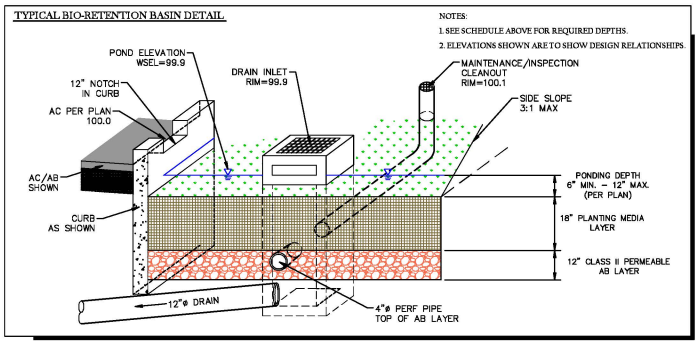

LEGEND

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DROP INLET	■	▦
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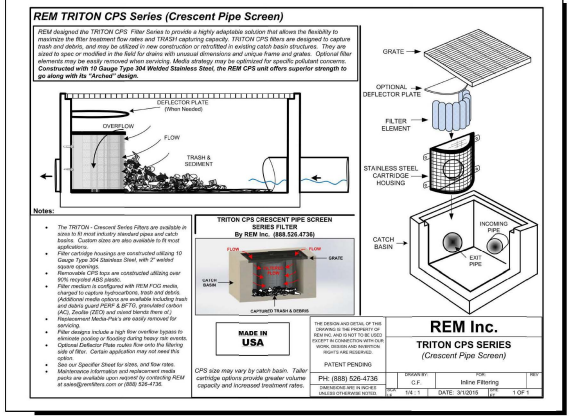

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City of Sacramento, CA

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APRIL 8, 2024 - ENTITLEMENTS - INITIAL SUBMITTAL

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Appendix D-2: Commercial Sites: Low Impact Development (LID) Credits and Treatment BMP Sizing Calculations

Name of Drainage Shed: DMA A
Location of project: Sacramento

Fill in Blue Highlighted boxes

Step 1 - Open Space and Pervious Area Credits

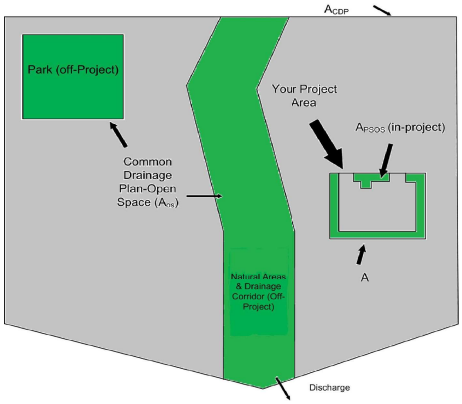
Is your project within the drainage area of a common drainage plan that includes open space? If not, skip to 1 b.

1 a. Common Drainage Plan Area	0	acres	A_{CDP}	
Common Drainage Plan Open Space (Off-project)	0	acres	A_{OS}	**see area example below**
a. Natural storage reservoirs and drainage corridors	0	acres		
b. Buffer zones for natural water bodies	0	acres		
c. Natural areas including existing trees, other vegetation, and soil	0	acres		
d. Common landscape area/park	0	acres		
e. Regional Flood Control/Drainage basins	0	acres		
1 b. Project Drainage Shed Area (Total)	0.89	acres	A	
Project-Specific Open Space (In-project, communal)**	0.23	acres	A_{PSOS}	
a. Natural storage reservoirs and drainage corridors	0.00	acres		
b. Buffer zones for natural water bodies	0.00	acres		
c. Natural areas including existing trees, other vegetation, and soil	0.00	acres		**see area example below**
d. Landscape area/park	0.23	acres		
e. Flood Control/Drainage basins	0.00	acres		

** Doesn't include impervious areas within individual lots and surrounding individual units. That is accounted for below using Form D-1a in Step 2.

Area with Runoff Reduction Potential	$A - A_{PSOS}$ =	0.66	acres	A_T
Assumed Initial Impervious Fraction	A_T / A =	0.74		I
Open Space & Pervious Area LID Credit (Step 1)	$(A_{OS}/A_{CDP}+A_{PSOS}/A)x100$ =	26	pts	





Step 2 - Runoff Reduction Credits

Runoff Reduction Treatments	Impervious Area Managed			Efficiency Factor		Effective Area Managed (A_C)	
Porous Pavement:							
Option 1: Porous Pavement (see Fact Sheet, excludes porous pavement used in Option 2)	0	acres	x		=	0.000	acres
Option 2: Disconnected Pavement (see Fact Sheet, excludes porous pavement used in Option 1)	use Form D-2a for credits →					0.00	acres
Landscaping used to Disconnect Pavement (see Fact Sheet)	0.0000	acres			=	0.00	acres
Disconnected Roof Drains (see Fact Sheet and/or Table D-2b for summary of requirements)	0	acres			=	0.00	acres
Ecoroof (see Fact Sheet)	0	acres			=	0.00	acres
Interceptor Trees (see Fact Sheet)	use Form D-2b for credits →					0.00	acres
Total Effective Area Managed by Runoff Reduction Measures				A_C		0.00	acres
Runoff Reduction Credit (Step 2)				$(A_C / A_T)*100$ =		0	pts

Table D-2a

Porous Pavement Type	Efficiency Multiplier
Cobblestone Block Pavement	0.40
Pervious Concrete/Asphalt	0.60
Modular Block Pavement &	0.75
Reinforced Grass Pavement	1.00

Table D-2b

Maximum roof size	Minimum travel distance
≤ 3,500 sq ft	21 ft
≤ 5,000 sq ft	24 ft
≤ 7,500 sq ft	28 ft
≤ 10,000 sq ft	32 ft

Form D-2a: Disconnected Pavement Worksheet

See Fact Sheet for more information regarding Disconnected Pavement credit guidelines

Effective Area Managed (A_C)

Pavement Draining to Porous Pavement

2. Enter area draining onto Porous Pavement — 0.00 acres — Box K1

3. Enter area of Receiving Porous Pavement — 0.00 acres — Box K2
(excludes area entered in Step 2 under Porous Pavement)

4. Ratio of Areas (Box K1 / Box K2) — 0.00 — Box K3

5. Select multiplier using ratio from Box K3 and enter into Box K4

Ratio (Box D)	Multiplier
Ratio is ≤ 0.5	1.00
Ratio is > 0.5 and < 1.0	0.83
Ratio is > 1.0 and < 1.5	0.71
Ratio is > 1.5 and < 2.0	0.55

1 — Box K4

6. Enter Efficiency of Porous Pavement (see table below) — Box K5

Porous Pavement Type	Efficiency Multiplier
Cobblestone Block Pavement	0.40
Pervious Concrete Asphalt Pavement	0.60
Modular Block Pavement Porous Gravel Pavement	0.75
Reinforced Grass Pavement	1.00

7. Multiply Box K2 by Box K5 and enter into Box K6 — 0.00 acres — Box K6

8. Multiply Boxes K1,K4, and K5 and enter the result in Box K7 — 0.00 acres — Box K7

9. Add Box K6 to Box K7 and multiply by 60%, and enter the Result in Box K8 — 0.00 acres — Box K8
This is the amount of area credit to enter into the "Disconnected Pavement" Box of Form D-2

Form D-2b: Interceptor Tree Worksheet

See Fact Sheet for more information regarding Interceptor Tree credit guidelines

New Evergreen Trees

1. Enter number of new evergreen trees that qualify as Interceptor Trees in Box L1.		trees	Box L1
2. Multiply Box L1 by 200 and enter result in Box L2	0	sq. ft.	Box L2

New Deciduous Trees

3. Enter number of new deciduous trees that qualify as Interceptor Trees in Box L3.		trees	Box L3
4. Multiply Box L3 by 100 and enter result in Box L4	0	sq. ft.	Box L4

Existing Tree Canopy

5. Enter square footage of existing tree canopy that qualifies as Existing Tree canopy in Box L5.	0	sq. ft.	Box L5
6. Multiply Box L5 by 0.5 and enter the result in Box L6	0	sq. ft.	Box L6

Total Interceptor Tree EAM Credits

Add Boxes L2, L4, and L6 and enter it into Box L7	0	sq. ft.	Box L7
Divide Box L7 by 43,560 and multiply by 20% to get effective area managed and enter result in Box L8 This is the amount of area credit to enter into the "Interceptor Trees" Box of Form D-2	0.00	acres	Box L8

Step 3 - Runoff Management Credits

Capture and Use Credits

Impervious Area Managed by Rain barrels, Cisterns, and automatically-emptied systems

(see Fact Sheet) - enter gallons, for simple rain barrels: 0.00 acres

Automated-Control Capture and Use System

(see Fact Sheet, then enter impervious area managed by the system): 0.00 acres

Bioretention/Infiltration Credits

Impervious Area Managed by Bioretention BMPs

(see Fact Sheet)

Bioretention Area: 2,029 sq ft
Subdrain Elevation: 6 inches
Ponding Depth, inches: 12 inches

0.69 acres

Impervious Area Managed by Infiltration BMPs

(see Fact Sheet)

Drawdown Time, hrs: drawdown_hrs_inf
Soil Infiltration Rate, in/hr: soil_inf_rate

Sizing Option 1: Capture Volume, acre-ft: 0.00 capture_vol_inf — 0.00 acres

Sizing Option 2: Infiltration BMP surface area, sq ft: 0 soil_surface_area — 0.00 acres

Basin or trench?: approximate BMP depth: 0.00 ft

Impervious Area Managed by Amended Soil or Mulch Beds

(see Fact Sheet) Mulched Infiltration Area, sq ft: mulch_area — 0.00 acres

Total Effective Area Managed by Capture-and-Use/Bioretention/Infiltration BMPs	0.69	A_{LIDc}
Runoff Management Credit (Step 3)	A_{LIDC}/A_T*200 = 211.1	pts

Total LID Credits (Step 1+2+3) LID compliant, check for treatment sizing in Step 4: 237.3

Does project require hydromodification management? If yes, proceed to using SacHM.

Adjusted Area for Flow-Based, Non-LID Treatment	$A_T - A_C - A_{LIDC}$ = -0.04	A_{AT}
Adjusted Impervious Fraction of A for Volume-Based, Non-LID Treatment	A_{AT} / A = -0.04	I_A

STOP: No additional treatment needed

Step 4a Treatment - Flow-Based (Rational Method)

Calculate treatment flow (cfs):	Flow = Runoff Coefficient x Rainfall Intensity x Area	
Look up value for i in Table D-2c (Rainfall Intensity)	0.18	i
Obtain A_{AT} from Step 3	-0.04	A_{AT}
Use C = 0.95	0.95	C
Flow = 0.95 * i * A_{AT}	-0.01	cfs

Table D-2c

Rainfall Intensity			
Roseville	i =	0.20	in/hr
Sacramento	i =	0.18	in/hr
Folsom	i =	0.20	in/hr

Step 4b Treatment - Volume-Based (ASCE-WEF)

Calculate water quality volume (Acre-Feet):	WQV = Area x Maximized Detention Volume (P_0)			
Obtain A from Step 1	0.89	A	48 hrs	Specified Draw Down time
Obtain P_0: Maximized Detention Volume from figures E-1 to E-4 in Appendix E of this manual using I_A from Step 2.	0.00	P_0		
Calculate treatment volume (acre-ft): **Treatment volume = A x (P_0 / 12)**	0.00	Acre-Feet		

v06232012

Appendix D-2: Commercial Sites: Low Impact Development (LID) Credits and Treatment BMP Sizing Calculations

Name of Drainage Shed: DMA B
Location of project: Sacramento

Fill in Blue Highlighted boxes

Step 1 - Open Space and Pervious Area Credits

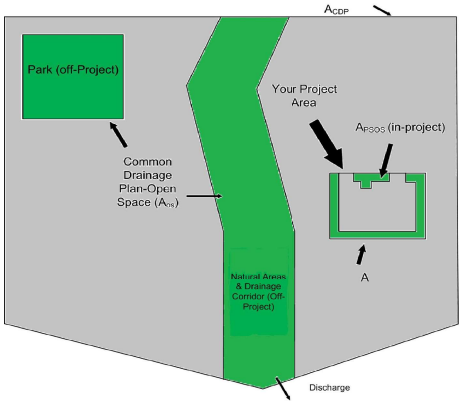
Is your project within the drainage area of a common drainage plan that includes open space? If not, skip to 1 b.

1 a. Common Drainage Plan Area	0	acres	A_{CDP}	
Common Drainage Plan Open Space (Off-project)	0	acres	A_{OS}	**see area example below**
a. Natural storage reservoirs and drainage corridors	0	acres		
b. Buffer zones for natural water bodies	0	acres		
c. Natural areas including existing trees, other vegetation, and soil	0	acres		
d. Common landscape area/park	0	acres		
e. Regional Flood Control/Drainage basins	0	acres		
1 b. Project Drainage Shed Area (Total)	1.38	acres	A	
Project-Specific Open Space (In-project, communal)**	0.31	acres	A_{PSOS}	
a. Natural storage reservoirs and drainage corridors	0.00	acres		
b. Buffer zones for natural water bodies	0.00	acres		
c. Natural areas including existing trees, other vegetation, and soil	0.00	acres		**see area example below**
d. Landscape area/park	0.31	acres		
e. Flood Control/Drainage basins	0.00	acres		

** Doesn't include impervious areas within individual lots and surrounding individual units. That is accounted for below using Form D-1a in Step 2.

Area with Runoff Reduction Potential	$A - A_{PSOS}$ =	1.07	acres	A_T
Assumed Initial Impervious Fraction	A_T / A =	0.78		I
Open Space & Pervious Area LID Credit (Step 1)	$(A_{OS}/A_{CDP}+A_{PSOS}/A)x100$ =	22	pts	





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Runoff Reduction Treatments	Impervious Area Managed			Efficiency Factor		Effective Area Managed (A_C)	
Porous Pavement:							
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Disconnected Roof Drains (see Fact Sheet and/or Table D-2b for summary of requirements)	0	acres			=	0.00	acres
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Interceptor Trees (see Fact Sheet)	use Form D-2b for credits →					0.00	acres
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5. Select multiplier using ratio from Box K3 and enter into Box K4

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(see Fact Sheet) - enter gallons, for simple rain barrels: 0.00 acres

Automated-Control Capture and Use System

(see Fact Sheet, then enter impervious area managed by the system): 0.00 acres

Bioretention/Infiltration Credits

Impervious Area Managed by Bioretention BMPs

(see Fact Sheet)

Bioretention Area	4,126	sq ft
Subdrain Elevation	6	inches
Ponding Depth, inches	12	inches

1.41 acres

Impervious Area Managed by Infiltration BMPs

(see Fact Sheet)

Drawdown Time, hrs		drawdown_hrs_inf
Soil Infiltration Rate, in/hr		soil_inf_rate

Sizing Option 1:	Capture Volume, acre-ft	0.00	capture_vol_inf	0.00	acres
Sizing Option 2:	Infiltration BMP surface area, sq ft	0	soil_surface_area	0.00	acres

Basin or trench? _____ approximate BMP depth 0.00 ft

Impervious Area Managed by Amended Soil or Mulch Beds

(see Fact Sheet) Mulched Infiltration Area, sq ft _____ mulch_area: 0.00 acres

Total Effective Area Managed by Capture-and-Use/Bioretention/Infiltration BMPs	1.41	A_{LIDc}
Runoff Management Credit (Step 3)	A_{LIDC}/A_T*200 = 263.5	pts

Total LID Credits (Step 1+2+3)	LID compliant, check for treatment sizing in Step 4	285.7

Does project require hydromodification management? If yes, proceed to using SacHM.

Adjusted Area for Flow-Based, Non-LID Treatment	$A_T - A_C - A_{LIDC}$ = -0.34	A_{AT}
Adjusted Impervious Fraction of A for Volume-Based, Non-LID Treatment	A_{AT} / A = -0.25	I_A

STOP: No additional treatment needed

Step 4a Treatment - Flow-Based (Rational Method)

Calculate treatment flow (cfs):	Flow = Runoff Coefficient x Rainfall Intensity x Area	
Look up value for i in Table D-2c (Rainfall Intensity)	0.18	i
Obtain A_{AT} from Step 3	-0.34	A_{AT}
Use C = 0.95	0.95	C
Flow = 0.95 * i * A_{AT}	-0.06	cfs

Table D-2c

Rainfall Intensity			
Roseville	i =	0.20	in/hr
Sacramento	i =	0.18	in/hr
Folsom	i =	0.20	in/hr

Step 4b Treatment - Volume-Based (ASCE-WEF)

Calculate water quality volume (Acre-Feet):	WQV = Area x Maximized Detention Volume (P_0)			
Obtain A from Step 1	1.38	A	48 hrs	Specified Draw Down time
Obtain P_0: Maximized Detention Volume from figures E-1 to E-4 in Appendix E of this manual using I_A from Step 2.	0.00	P_0		
Calculate treatment volume (acre-ft): **Treatment volume = A x (P_0 / 12)**	0.00	Acre-Feet		

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Table 3-3 Stormwater Quality Control Measure Selection Matrix

✓ **Required Based Upon Table 3-2** • **Acceptable Option** **"NA" Not applicable or allowed**

Priority Project Category [a]	**Residential**			**Commercial/Industrial**							
Control Measure	**Single Family Residential Impervious area ≥ 1 ac**	**Single Family Residential Gross area ≥ 20 ac**	**Multi-family Residential Impervious area ≥ 1 ac**	**Commercial Impervious area ≥ 1 ac**	**Auto Repair Shops Impervious area ≥ 1 ac**	**Retail Gasoline Outlets Impervious area ≥ 1 ac**	**Restaurants Impervious area ≥ 1 ac**	**Industrial Impervious area ≥ 1 ac**	**Hillside Developments ≥ 25% slope**	**Parking lots [b] ≥ 5,000 sf or 25 spaces**	**Streets/Roads [c] Impervious area ≥ 5 ac**
Source Control [d]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Efficient Irrigation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fueling Areas	NA	NA	NA	✓	✓	✓	✓	✓	✓	NA	NA
Landscaping	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Loading Areas	NA	NA	NA	✓	✓	✓	✓	✓	✓	NA	NA
Outdoor Storage Areas	NA	NA	NA	✓	✓	✓	✓	✓	✓	NA	NA
Outdoor Work Areas	NA	NA	NA	✓	✓	✓	✓	✓	✓	NA	NA
Storm Drain Markings and Signs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Vehicle/Equipment Wash Areas	NA	NA	✓	✓	✓	✓	✓	✓	✓	NA	NA
Waste Management Areas	NA	NA	✓	✓	✓	✓	✓	✓	✓	✓	NA
Hydromodification Control, LID, and Treatment Control[e][f]	**(LID Only)**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Alternative Driveways	•	•	•	NA	NA	NA	NA	NA	•	NA	NA
Capture and Re-Use	•	•	•	•	•	•	•	•	•	NA	NA
Compost-Amended Soil	•	•	•	•	NA	NA	•	•	NA	•	NA
Constructed Wetland Basin	•	•	•	•	NA	NA	•	•	NA	•	•
Disconnected Pavement	•	•	•	•	•	•	•	•	•	•	•
Disconnected Roof Drains	•	•	•	•	•	•	•	•	•	NA	NA
Green Roof	NA	NA	NA	•	•	•	•	•	•	NA	NA
Infiltration Basin	•	•	•	•	NA	NA	•	NA	NA	•	•
Infiltration Trench	•	•	•	•	NA	NA	•	NA	NA	•	•

Table 3-3, continued

✓ **Required Based Upon Table 3-2** • **Acceptable Option** **"NA" Not applicable or allowed**

Priority Project Category [a]	**Residential**			**Commercial/Industrial**							
Control Measure	**Single Family Residential Impervious area ≥ 1 ac**	**Single Family Residential Gross area ≥ 20 ac**	**Multi-family Residential Impervious area ≥ 1 ac**	**Commercial Impervious area ≥ 1 ac**	**Auto Repair Shops Impervious area ≥ 1 ac**	**Retail Gasoline Outlets Impervious area ≥ 1 ac**	**Restaurants Impervious area ≥ 1 ac**	**Industrial Impervious area ≥ 1 ac**	**Hillside Developments ≥ 25% slope**	**Parking lots [b] ≥ 5,000 sf or 25 spaces**	**Streets/Roads [c] Impervious area ≥ 5 ac**
Interceptor Trees	•	•	•	•	•	•	•	•	•	•	•
Porous Pavement	(e)	(e)	(e)	•	NA	NA	•	NA	•	•	(e)
Sand Filter (Austin Sand Filter)	•	•	•	•	•	•	•	•	•	•	•
Bioretention Planter (Flow-Through)	•	•	•	•	•	•	•	•	•	•	•
Bioretention Planter (Infiltration)	•	•	•	•	NA	NA	•	NA	•	•	•
Underground Storage (Tanks, Vaults, etc.)	•	•	•	•	•	•	•	•	•	•	•
Vegetated Filter Strip	•	•	•	•	NA	NA	•	NA	•	•	•
Vegetated Swale	•	•	•	•	•	•	•	•	•	•	•
Water Quality Detention Basin	•	•	•	•	•	•	•	•	•	•	•
Proprietary Devices[g]	•	•	•	•	•	•	•	•	•	•	•
Full Capture Trash Control[h]	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓

(a) Refer to Table 1-2 for more information on how each priority project category is generally defined and check with the local zoning code for the specific definition in a given jurisdiction.
(b) Only applies to stand-alone parking lots exposed to rainfall. Parking lots associated with buildings/facilities need to meet requirements of associated land use (commercial, industrial, etc.)
(c) Municipal road projects and expansions that are not a part of new residential, commercial or industrial developments.
(d) Storm drain markings required for all projects. Other source controls required for all projects with applicable site activities. Choice of source control for hillside development depends on type of land use (commercial, residential, etc.)
(e) Consult local permitting agency to determine acceptability for use in public right-of-way.
(f) Alternative treatment controls may be proposed; subject to review and approval of local permitting agency. The need for treatment may be reduced through LID measures; see Appendix D. If the project drains to an adequately sized/designed regional treatment facility (e.g., detention basin), additional on-site treatment controls may not be needed.
(g) See discussion in Chapter 5 of this manual and www.beriverfriendly.net for list of acceptable devices.
(h) Refer to Appendix H for further information related to full capture trash control.