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Environmental Health

**SUBSURFACE INVESTIGATION
&
SITE CONCEPTUAL MODEL**

**A & C Auto Services
186 E. Lewelling Boulevard
San Lorenzo, California**

**Prepared for
Ms. Sue Pawley
CO/ Mr. Carl Graffenstatte**

**Prepared by
Sierra Environmental, Inc.**

**September 18, 2007
Project 06-137.06**

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ATTACHMENTS:

- Appendix A - Figures (1-8)
- Appendix B - Encroachment Permits, Soil Boring Logs, and Wellhead Survey Report
- Appendix C - Certified Analytical Results and Chain-Of-Custody Documentation
- Appendix D - Partial EDR Reports (Sanborn Fire Insurance Maps, City Directory, Topographical Maps, Aerial Photographs, and Radius Map)
- Appendix E - Sensitive Receptor Data (Water Wells & EDR Geocheck® Report)

1.0 EXECUTIVE SUMMARY

Sierra awaited receiving sensitive receptor (well) information from Alameda County Public Works (ACPW) to complete this report. Sierra received the information on September 11, 2007.

On May 14 and 29, 2007, Sierra Environmental, Inc. (Sierra) performed a subsurface investigation related to gasoline impact at a property located at 186 E. Lewelling Boulevard, San Lorenzo, California, hereafter referred to as Site. The Site location is shown in Figure 1 of Appendix A. Sierra presents the information gathered during the investigation in this report in a site conceptual model (SCM) format. Mr. Steven Plunkett of Alameda County Health Care Services Agency (ACHCS) requested the work in his letter dated November 14, 2006. The Site name is A&C Auto.

The objective of the work summarized in this report was to (1) have existing groundwater monitoring wellheads surveyed, (2) measure water levels and redevelop the monitoring wells, (3) evaluate local geology and hydrogeology, (4) evaluate man-made and possible natural conduits and preferential pathways, (5) identify sensitive receptors including private and public wells, (6) obtain subsurface information from 6 exploratory soil borings, and (7) identify chemicals of concern (COC) and evaluate their exposure scenarios.

On March 29 and April 2, 2007, Sierra redeveloped, purged, and sampled the existing monitoring wells (MW1, MW2, and MW3) at the Site. The groundwater samples collected from the wells were analyzed for the gasoline and diesel constituents. No diesel was detected in the samples (see Table II)

During April and May 2007, Sierra identified ownership information of the Site's neighboring property located west of the Site and mailed its owner/agent access authorization form. During the same period, Sierra also submitted roadway encroachment permit applications to Alameda County Public Works Agency (ACPWA) to advance six soil borings for collecting soil and groundwater samples for chemical analysis.

After obtaining access authorization and encroachment permits, On May 14 and 29, 2007, Sierra retained services of Vironex Environmental Services (Vironex) to drill soil borings SB1 through SB6 at the Site and its neighboring properties. The boring locations are shown in Figure 2 of Appendix A. Except for boring SB5, which exhibited petroleum hydrocarbon odor in its soil, no unusual odor, stain, or photoionization detector (PID) reading was detected, observed, or recorded in the soil samples collected from the borings. Saturated zone appeared to be approximately 5-7 feet thick followed by stiff silty clay from approximately 20-24 feet below ground surface (bgs), maximum depth explored at and near the Site. Sierra collected soil and grab groundwater samples from the borings for chemical analysis. The soil samples were

collected at soil/groundwater interface. Soil and the groundwater samples were analyzed for the gasoline and diesel constituents as well as total lead.

No benzene, toluene, ethylbenzene, xylenes (BTEX), and fuel oxygenates were detected in the samples. No diesel was detected in the soil samples. Diesel and gasoline were detected in few of the groundwater samples (please refer to Table III and IV). Trace to low concentrations of lead were also detected in the soil and groundwater samples.

Sierra reviewed available information related to soil and groundwater contamination in the near-by properties to the Site through Environmental Data Resources Inc (EDR) radius map report, and Geotracker websites. The information confirms that gasoline and diesel-contaminated groundwater exists beneath properties within proximity of the Site. These properties are situated west/southwest, east/northeast, and north of the Site. Possibility of contaminant migration from these properties to the Site is remote.

Sierra also reviewed available information for man-made and natural conduits to determine dominant fate and transport characteristics of the Site. No natural or man-made conduit was identified near the Site to cause dispersion of the contaminants in the groundwater.

Sierra determined that possible transport mechanism of the contaminants at the Site is through volatilization into building and dispersion of contaminants into ambient air. However, concentrations of contaminants in groundwater beneath the Site are below environmental screening level (ESL) for evaluation of potential vapor intrusion.

Sierra identified a possible sensitive receptor (San Lorenzo Creek) that could be adversely affected with the groundwater contamination originated from the Site. The creek runs within 350 feet along south of the Site.

Extent of the groundwater plume west/northwest and southwest of the Site is not defined, at this time.

2.0 SITE BACKGROUND INFORMATION

The Site is located in a mixed residential/commercial zoning of San Lorenzo, California. It is bounded to E. Lewelling Boulevard from south, single-family residential properties to the north, multi-units residential buildings to the west, and Ashland Avenue to the east. Please see Figure 2 of Appendix A for the Site's neighboring properties. San Lorenzo Creek runs within approximately 350 feet south of the Site. Estudillo Canal runs approximately 1 mile north of the Site. San Francisco Bay is located approximately 2 miles west of the Site.

Groundwater has been encountered at the Site at 20-21 feet bgs and has risen to approximately 14-18 feet bgs. Groundwater flow direction has been recorded to vary from time-to-time. However, based on available information from the Site and near-by properties, the dominant groundwater flow direction appears to be toward west/southwest. Soil beneath the Site consists of clayey silty sand/clayey sandy silt to approximately 8 feet bgs. Clayey sand/silty sand has been encountered from approximately 8 to 16 feet. Sandy silty clay/silty clay has been encountered from approximately 16 to 24 feet bgs. The shallow water-bearing zone appears to be approximately 6-8 feet thick.

The Site has been operating as a service station/auto repair shop since 1965. On September 5, 1990, three underground storage tanks (USTs) were removed from the Site. The USTs consisted of two 4,000-gallon gasoline and one 350-gallon waste oil. The approximate locations of the USTs are shown in Figure 3 of Appendix A. After removal, four soil samples were collected from beneath the gasoline tanks. One soil sample was also collected from beneath the waste oil tank.

Up to 4,000 parts per million (ppm) TPHG and 1.3 ppm benzene were detected in the soil samples collected from beneath the gasoline tanks.

On June 14 and 15, 1994, CET Environmental Services, Inc. (CET) constructed groundwater monitoring wells MW1, MW2, and MW3 to evaluate groundwater condition beneath the Site. The last groundwater monitoring event was performed by CET in September 11, 1995. The results "Third Quarter 1995 Groundwater Monitoring Report" indicated that groundwater depths ranged between 15.37 to 16.20 feet bellow top of well casings with a west/northwesterly flow direction. Analytical results showed 0.05 ppm, 39 ppm, and 49 ppm TPHG in groundwater samples collected from MW1 through MW3, respectively.

Sierra understands that CET performed a precision off-site soil and groundwater sampling as part of delineating groundwater impact at the Site on October 17, 1995. According to Plate 2 provided by CET, up to 21 ppm TPHG and 0.088 ppm benzene were detected in the groundwater samples collected off-site, near or at Lewelling Boulevard during this sampling event. Sierra could not obtain a copy of the CET report for this sampling event, because Ms. Young has not paid CET's invoices.

From April 16, 1999, to December 31, 2001, Sierra Environmental, Inc. performed quarterly groundwater monitoring at the Site. The groundwater monitoring data are presented in Table I and II.

**TABLE I
 GROUNDWATER ELEVATION DATA**

Well ID	Measurement Date	Well Casing Diameter (in)	Well Casing Elevation (ft)	Depth to Water ¹ (ft)	Water Table ² Elevation (ft)	Groundwater Flow Direction	
MW1	6-23-94	2	44.88	17.37	27.51	NW	
	3-15-95			13.47	31.41	W-SW	
	6-01-95			13.35	31.53	W-NW	
	9-11-95			15.37	29.51	W-NW	
	4-16-99			12.05	32.83	SE	
	3-21-01			13.59	31.29	NW	
	6-26-01			14.72	30.16	NE	
	9-18-01			15.98	28.90	NW	
	12-31-01			13.92	30.96	NW	
	4-02-07			44.91	13.77	31.14	W-NW
MW2	6-23-94	2	45.26	16.75	28.51	NW	
	3-15-95			13.74	31.52	W-SW	
	6-1-95			13.52	31.74	W-NW	
	9-11-95			15.58	29.68	SE	
	3-21-01			13.81	31.45	NW	
	6-26-01			15.55	29.71	NE	
	9-18-01			16.22	29.04	NW	
	12-31-01			14.22	31.04	NW	
	12-31-01			13.92	30.96	NW	
	4-02-07			45.31	14.00	31.31	W-NW
MW3	6-23-94	2	45.81	16.55	29.26	NW	
	3-15-95			14.43	31.38	W-SW	
	6-1-95			14.16	31.65	W-NW	
	9-11-95			16.20	29.61	SE	
	3-21-01			14.44	31.37	NW	
	6-26-01			14.97	30.84	NE	
	9-18-01			16.82	28.99	NW	
	12-31-01			14.91	30.90	NW	
	4-02-07			45.85	14.61	31.24	W-NW

1. Depths to groundwater were measured to the top of the well casings
2. Water table elevations were measured in relation to the mean sea level (MSL)

NOTE: Top of the well casings were surveyed relative to a known benchmark referenced to mean sea level (MSL) by CET, and Muir Consulting, Inc.

**TABLE II
 ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES**

Sample ID/Location	Sample Date	TPHG ¹ µg/l	TPHD ² µg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylenes µg/l	MTBE ³ µg/l	Lead µg/l
MW1/ MW-1	6-23-94	3600	NA ⁴	<0.5	<0.5	7.2	2.6	NA	71
	3-15-95	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
	6-1-95	100	NA	<0.5	<0.5	<0.5	<0.5	NA	
	9-11-95	50	NA	<0.5	<0.5	<0.5	<0.5	NA	
	4-16-99	160	NA	ND ⁵	ND	ND	ND	ND	
	3-21-01	ND	NA	ND	ND	ND	ND	ND	
	6-26-01	ND	NA	ND	ND	ND	ND	ND	
	9-18-01	82	NA	ND	ND	2.1	ND	ND	
	12-31-01	ND	NA	ND	ND	ND	ND	ND	
4-2-07	ND	ND	ND	ND	ND	ND	ND	71	
MW2/ MW-2	6-23-94	71000	NA	310	710	2600	4600	NA	ND
	3-15-95	35000	NA	150	1000	2100	10000	NA	
	6-1-95	49000	NA	210	1300	2900	11000	NA	
	9-11-95	39000	NA	150	1000	2900	13000	NA	
	4-16-99	50000	NA	25	110	1900	8000	ND	
	3-21-01	22000	NA	ND	52	1300	3700	ND	
	6-26-01	15000	NA	ND	ND	910	2100	ND	
	9-18-01	14000	NA	ND	ND	1,000	2,000	ND	
	12-31-01	24000	NA	ND	ND	1,600	4,000	ND	
4-2-07	3200	ND	ND	ND	21	20	ND	ND	
MW3/ MW-3	6-23-94	93000	NA	550	130	3300	7500	NA	29
	3-15-95	46000	NA	330	94	3800	10000	NA	
	6-1-95	42000	NA	270	230	3400	10000	NA	
	9-11-95	49000	NA	190	330	4000	12000	NA	
	4-16-99	16000	NA	10	ND	2300	940	ND	
	3-21-01	12000	NA	ND	28	2000	ND	ND	
	6-26-01	14000	NA	ND	ND	2100	ND	ND	
	9-18-01	13000	NA	ND	ND	1.5	ND	ND	
	12-31-01	3900	NA	8.1	12	640	13	ND	
4-2-07	12000	ND	ND	ND	18	27	ND	29	
Site-Wide Average Concentration In (One Hydrologic Cycle)		9832		0.7	7.7	796.2	984.5		
RWQCB Groundwater Screening Levels For Evaluation Of Potential Vapor intrusion Table E-1a (Commercial)		Use Soil Gas		1800	530000	170000	160000		None

1. TPHG = Total Petroleum Hydrocarbons as Gasoline
2. TPHD = Total Petroleum Hydrocarbons as Diesel
3. MTBE = Methyl-tertiary-Butyl Ether
4. NA = Not Analyzed
5. ND = Below Laboratory Detection Limit

3.0 OBJECTIVE

The objectives of the SCM consist of the followings:

- Delineate the extent of soil and groundwater contamination, which has originated at the Site and identify data gaps (if any)
- Compile and evaluate data related to sensitive receptors near the Site
- Compile and evaluate information on man-made conduits, and geology and hydrogeology of the area, which may influence transport, and dispersion of contaminants from the Site
- Assess possible public and environmental exposure to COC identified at the Site

3.1 Scope of Work

To better define extent of contamination and obtain additional soil and groundwater data, Sierra drilled 6 soil borings west, southwest, south, southeast, and east of the Site and its adjacent properties and collected soil and groundwater samples for field screening and chemical analysis. Sierra obtained encroachment permits from the Site's neighboring property and ACDPWA, before drilling the borings. Sierra also obtained a Site radius map with Geocheck[®], City directory, Sanborn Fire Insurance maps, and historical aerial photographs from EDR to evaluate land use and environmental information for the Site and its vicinity. Additionally, Sierra obtained utility maps and studied depth and location of utility trenches near the Site. Sierra prepared this report in a SCM format.

4.0 PREFIELD ACTIVITIES

Sierra identified ownership of the property located west of the Site (Hacienda Silva Luxury Townhomes (140-182 W. Lewelling Boulevard), prepared and submitted encroachment/access authorization forms and obtained access authorizations to drill at the property. Sierra also obtained roadway encroachment permit from ACPWA for the borings advanced on sidewalk and roads. Sierra coordinated with Vironex, a State-licensed drilling contractor (C57-705927) and Entech Analytical Labs, Inc. (Entech), a State-Certified analytical laboratory (#55440), and obtained filed material and equipment. Copies of the encroachment permits/access authorization forms are presented in Appendix B.

Sierra prepared a health and safety plan for its staff. Sierra marked the boring locations and notified Underground Services Alert (USA) to clear underground utilities, before the drilling started.

5.0 FIELD ACTIVITIES

5.1 Groundwater Monitoring

On March 29 and April 2, 2007, Sierra redeveloped, purged, and sampled the existing monitoring wells (MW1, MW2, and MW3) at the Site. Depth of groundwater ranged approximately 13.7 to 14.0 below top of the well casings with a west/northwesterly flow direction. Figure 4 shows groundwater flow direction contour. Sierra collected groundwater samples MW-1, MW-2, and MW-3 from the wells for chemical analysis. The analytical results are presented in Table II.

Sierra had Muir Consulting, Inc. (MCI) to survey the wellheads and obtain horizontal and vertical controls for the monitoring wells at the Site. Sierra uploaded the information to Geotracker. The survey results are included in Table I. Copy of MCI survey report is also presented in Appendix B.

5.2 Soil Sampling

On May 15 and 29, 2007, Sierra had Vironex to utilize a Geoprobe™ direct push equipment for soil and groundwater sampling. Geoprobe™ was mounted on a truck. The drilling equipment consisted of a hollow barrel (4 feet long) lined with a clean plastic tube (also 4-foot long) and attached to solid rods. The barrel penetrated into the soil by a hydraulic hammer. Vironex advanced soil borings SB1, SB2, SB3, SB4, SB5, and SB6 to approximately 24 feet bgs. Boring locations are shown in Figure 2 of Appendix A.

Sierra collected soil samples SB1-20, SB2-16, SB3-17, SB4-16, SB5-20, and SB6-20 at approximate depths of 16-20 feet bgs (soil/groundwater interface) by cutting a section of the plastic tube (approximately 6-inch long), representing a particular depth, for laboratory analysis. Sierra screened the soil at each boring using a photo ionization detector (PID). Except for soil at SB5, which exhibited petroleum hydrocarbons odor at approximately 20 feet bgs, no unusual odor was detected in the remaining soil borings. After collection, Sierra sealed the samples with Teflon® tapes and plastic end-caps, label them, and place them on ice pending groundwater sample collection.

Copies of the boring logs are presented in Appendix B. Table III summarizes analytical results for the soil samples. Geologic cross section is shown in Figure 5 of Appendix A.

5.3 Groundwater Sampling

Shallow groundwater was first encountered in the borings at 18-21 feet bgs, and raised to 14-16 feet bgs. Sierra collected grab groundwater samples W-1 through W-6 from soil boring SB1 through SB6, respectively, for chemical analysis. After reaching the groundwater, Vironex inserted new 1-inch diameter perforated and solid polyvinyl

chloride (PVC) piping inside the borings. New section of Teflon[®] tube equipped with a small ball valve at the tip of the tube, acting as bailer, was placed inside of the perforated pipe to collect groundwater sample at each boring. The groundwater was collected by making up and down motions on the Teflon[®] tube at each sampling location. After collection, groundwater from each boring was transferred into clean volatile organic analysis (VOA) vials and one liter amber jars.

The vials and amber jars were sealed with Teflon-septum screw, and plastic caps, labeled, placed on ice in a cooler, and delivered to Entech together with the soil samples and chain-of-custody documentation for chemical analysis. Summary of analytical results for the groundwater samples are presented in Table IV.

The soil and groundwater samples were analyzed for TPHG using the United State Environmental Protection Agency (EPA) method 8260B, GC-MS. The samples were also analyzed for, benzene, toluene, ethylbenzene, and xylenes (BTEX), and the fuel oxygenates using EPA method 8260B. The soil/groundwater samples were also analyzed for TPHD using modified EPA method 8015, and for lead using atomic adsorption (AA) method. Certified analytical results and chain-of-custody documentation are also presented in Appendix C.

After collecting the groundwater samples, Vironex sealed the borings with Portland cement grout and capped them with black colored concrete.

All Geoprobe[®] and sampling equipment were washed with Liquinox[®] (a phosphate-free laboratory detergent) and rinsed with clean tap water at each sampling interval.

**TABLE III
 ANALYTICAL RESULTS FOR SOIL SAMPLES**

Sample ID	Sample Date	Sample Location	TPHG ¹ mg/kg	TPHD ² mg/kg	BTEX ³ µg/kg	Total Lead mg/kg	FO ⁴ µg/kg
SB1-20	05-29-07	SB1	ND ⁵	ND	ND,ND,ND,ND	6.2	ND,ND,ND,ND,ND
SB2-16	05-15-07	SB2	0.280	ND	ND,ND,ND,ND	7.8	ND,ND,ND,ND,ND
SB3-17	05-15-07	SB3	0.110	ND	ND,ND,ND,ND	5.9	ND,ND,ND,ND,ND
SB4-16	05-15-07	SB4	ND	ND	ND,ND,ND,ND	6.0	ND,ND,ND,ND,ND
SB5-20	05-15-07	SB5	0.500	ND	ND,ND,ND,ND	7.3	ND,ND,ND,ND,ND
SB6-20	05-29-07	SB6	ND	ND	ND,ND,ND,ND	6.3	ND,ND,ND,ND,ND
RWQCB Deep Soil Screening Levels Table C-2 (Commercial/Industrial)			100			750	

**TABLE IV
 ANALYTICAL RESULTS FOR
 GROUNDWATER SAMPLES**

Sample ID	Sample Date	Sample Location	TPHG ¹ µg/l	TPHD ² µg/l	BTEX ³ µg/l	Total Lead µg/l	FO ⁴ µg/l
W-1	05-29-07	SB1	1,200	ND	ND,ND,ND,ND	400	ND,ND,ND,ND,ND
W-2	05-15-07	SB2	ND ⁵	58	ND,ND,ND,ND	ND	ND,ND,ND,ND,ND
W-3	05-15-07	SB3	170	98	ND,ND,ND,1.0	ND	ND,ND,ND,ND,ND
W-4	05-15-07	SB4	ND	67	ND,ND,ND,ND	ND	ND,ND,ND,ND,ND
W-5	05-15-07	SB5	11,000	ND	ND,ND,ND,ND	0.87	ND,ND,ND,ND,ND
W-6	05-29-07	SB6	380	ND	ND,ND,ND,ND	460	ND,ND,ND,ND,ND
RWQCB Groundwater Screening Levels Aquatic Habitat Goal Table F-1a,			500	640		2.5	

- 1 TPHG = Total Petroleum Hydrocarbons as Gasoline
- 2 TPHD = Total Petroleum Hydrocarbons as Diesel
- 3 BTEX = Benzene, Toluene, Ethyl Benzene, and Xylenes
- 4 FO = Fuel Oxygenates (Methyl -t-butyl Ether, Ethyl-t-butyl Ether, TBA, Diisopropyl Ether, tert-Amyl Methyl Ether)
- 5 ND = Not Detected

6.0 REVIEW OF INFORMATION FOR NEAR-BY PROPERTIES

Sierra reviewed information for the contaminated properties near the Site in State Geotracker website, as well as the EDR report. The closest property with known soil and groundwater contamination near the Site is former Beacon Station #3721 located at 44 Lewelling Boulevard within 300 feet west of the Site. Up to 5,000 ppb TPHG, 95 ppb MTBE, and 82 ppb benzene were detected in groundwater beneath these property. Groundwater levels were measured at approximately 16-17 feet bgs with southwesterly flow direction. Based on the southwesterly flow direction, this property appears to be cross-gradient of the Site.

Kawahara Nursery located at 16550 Ashland Avenue is north/northeast of the Site. According to a Semiannual Groundwater Monitoring Report dated December 11, 2006, prepared by Blymyer Engineering, Inc., one 5,000-gallon diesel UST was removed from this property in 1992. A 1,000-gallon gasoline UST has also been removed from this property in 1954. Up to 480 ppb TPHG was detected in groundwater beneath this property. Based on a southwesterly groundwater flow direction, this property appears to be at hydraulic cross-gradient of the Site.

Pertinent section of the EDR report is presented in Appendix D.

7.0 SITE CONCEPTUAL MODEL

Sierra prepared the Site Conceptual Model after obtaining the groundwater data from SB1 through SB6. Sierra also included historical soil and groundwater data associated with underground storage tank (UST) removal, and monitoring of MW1 through MW3 at the Site.

The SCM addresses the followings:

- Sources of contamination
- Nature and presumed extent of contamination
- Exposure pathways including Site geology and stratigraphy that may promote or hinder groundwater movement
- Dominant fate and transport characteristics of the Site
- Potential sensitive receptors

7.1 Source of Contamination

Analytical data for soil samples collected from beneath the former USTs in 1990 showed Impact of TPHG and benzene in the tank complex. Also, during the soil and groundwater investigations, which were performed by CET and Sierra for the Site in 1995 and 2007, concentrations of TPHG as well as total petroleum hydrocarbons as diesel (TPHD) were detected in soil/groundwater samples collected off-site, near or at Lewelling Boulevard. Soil contamination was, predominantly, identified within 20-24 feet

bgs. Soil in this depth consists of sandy silty clay/silty clay. Available information suggests that the primary sources of contamination could be associated to the former UST operation at the Site.

No diesel was detected in the water samples collected from the monitoring wells at the Site. However, low concentrations of diesel (up to 98 µg/l) were detected in the groundwater samples collected from the soil borings near the Site boundaries. Therefore, possible surface spills, gasoline and diesel release from off-site migration of unidentified contaminated properties could have also be secondary sources of contamination at and near the Site.

7.2 Nature And Extent of Contamination

During May 15, and 29, 2007, Sierra advanced 6 soil borings at and its adjacent properties located east, south, and west of the Site. During the drilling activities, Sierra collected soil and groundwater samples from the boring for field screening and chemical analysis. The analytical results showed low to moderate concentrations of the gasoline constituents in soil at approximately 20-25 feet bgs (soil/groundwater interface) outside of the Site in Lewelling Boulevard. Gasoline constituents were also detected in the water samples collected from the monitoring wells MW2 and MW3. The water samples collected from the above-mentioned wells had, historically, the highest concentration of the gasoline constituents.

Table II summarizes analytical results for the groundwater samples collected from groundwater monitoring well MW-1 through MW-3 at the Site. The analytical results suggest that the horizontal extent of the soil contamination at the Site is within proximity of the UST complex boundaries. The vertical extent of the soil contamination in this area is to the saturated zone at approximately 20-25 feet bgs.

Historical analytical results for groundwater samples collected from the monitoring wells at the Site indicated that the gasoline constituents in groundwater may have originated from the former tank complex within proximity of monitoring wells MW-1 and MW-3 and have migrated off-site along the groundwater flow direction (southwest) towards soil boring B5.

7.3 Dominant Fate and Transport Characteristics of the Site

7.3.1 Surface Hydrology: The Site is located approximately 47 feet above mean sea level (MSL). San Lorenzo Creek runs within 350 feet south of the Site. San Francisco Bay is within 4.5 miles west of the Site. Lake Chabot is within 2.0 miles northeast of the Site. Estudillo Creek/Canal runs within 1 mile north of the Site.

7.3.2 Geology and Hydrogeology: Much of San Lorenzo/Hayward is flat, leveled land underlain by a relatively stable geologic formation. Underlying Hayward is a deep bedrock trough, which rises to form the steep hills in the eastern part of the City, and east of where the Site is located. This trough has been with alluvium deposited by stream flowing from the hills, and with Bay mud sediments.

Moving from east to west, subsurface materials include progressively more clay and silt and less sand and gravel. In most areas these materials are mixed, due to the wandering pattern of streambeds.

The soil beneath the Site consists of clayey silty sand/clayey sandy silt to approximately 8 feet bgs. Clayey sand/silty sand has been encountered from approximately 8 to 16 feet. Sandy silty clay/stiff silty clay has been encountered from approximately 16 to 24 feet bgs.

The Site is located within the East Bay Plain Groundwater Basin. This Basin is located between San Francisco Bay and the Hayward Fault; the Basin underlies the flatlands between Richmond and Hayward.

Groundwater was a major part of the water supply for the East Bay during the period from 1860 to 1930, before Sierra water was imported to the area. Most of this was produced from a band of well fields stretching from the southeastern end of Alameda Island to 98th Street in Oakland. Well fields in Richmond were also a major water source. Most of these wells were not properly abandoned and thus may provide a conduit between shallow contamination and deeper usable aquifers.

There is very little current use of groundwater in the East Bay Plain for drinking water purposes. However, parts of East Bay Plain may be used for domestic uses in the future.

7.3.3 Climate: The East Bay has generally mild climate. Temperature variations are moderated by nearby water areas. The warmest month is September, when daily high is 77° and the mean daily high is 53°. The coldest month is January when the mean daily high is 58° and the mean daily low is 48°. Winter days are usually mild, sunny and clear. The mean number of days with temperature below 32° is thirteen. The mean number of days with temperature above 90° is five. There is practically no rainfall from June to September. From October through April there is moderate rainfall ranging from two to seven inches per month, averaging 15 inches per year. There is no snow. Prevailing winds are from the north west, less than 3.5 mph. Extreme winds of 35 miles per hour can be expected about once every two years. Storm winds are usually from the southwest or northwest. Humidity conditions are moderate. The fall has more muggy days. The average day has sunshine more than half the time.

7.3.4 Chemicals of Concern: Chemicals of concern (COC) at the Site consists of TPHG , ethylbenzene, and xylenes. The concentrations of the COC in the groundwater has shown a fluctuating trend in monitoring wells MW-2, and MW-3 at the Site. However, benzene and toluene concentrations have reduced below detection limits in groundwater beneath the Site due to possible natural attenuation (Table II). Figure 6 and 7 of appendix A show TPHG, ethylbenzene, and xylenes concentration trend curves for MW-2, and MW-3.

7.3.5 Pathway Analysis: Sierra obtained utility plans from East Bay Municipal Utility District (EBMUD) and Oroloma Sanitary District, and has interviewed the district's personnel to inquire information related to depths of utility trenches near the Site. Based on the available information, it appears that the deepest trench near the Site belongs to sewer lines and they do not extend more than 7 feet bgs, near the Site. This depth is above the first encountered water level of approximately 20 feet bgs and highest static groundwater level measured (\approx 13 feet bgs) at and near the Site. Therefore, it is unlikely that groundwater contamination has migrated and dispersed through the identified man-made conduits.

7.3.6 Potential Sensitive Receptors: Sierra obtained well construction information from California State Department of Water Resources (CSDWR) and Alameda County Pubic Works (ACPW) identifying public and private wells near the Site. Sierra received the well information from ACPW on September 11, 2007. Additionally, Sierra obtained and GeoCheck[®] report from EDR and reviewed information related to State and Federal databases for domestic and public wells. CSDWR, ACPW, and EDR information identified 19 irrigation, 4 domestic, and 1 public wells within 1-mile radius of the Site. Depths of the wells range 27-616 feet bgs. The closest wells to the Site are 2 irrigation wells located at San Lorenzo Highschool, within 1/8-mile west/northwest of the Site. The wells are 610 and 616 feet deep with approximately 200 feet of sanitary seal. An irrigation well also was identified at Kawahara Nursery, Inc. located at 16550 Ashland Avenue, north/northeast of the Site. The well is 65 feet deep and has 25 feet of seal. The remaining wells are approximately 1/4-mile or greater distanced from the Site. Based on the available information, it is unlikely that the groundwater contamination at the Site pose serious treat to water quality of the wells. Copies of pertinent section of CSDWR, ACPW, and EDR Geochek[®] reports are presented in Appendix E.

San Lorenzo creek runs along south, southeast, and southwest within 300 feet of the Site. Considering that (1) edge of the gasoline plume in groundwater is not defined at this time, and (2) San Lorenzo creek runs within proximity of the Site, risk to aquatic habitat exists.

7.3.7 Human and Environmental Exposure Assessment: Based on the available information, it appears that the sources of COC are contaminated soil within the former UST complex boundaries, and dissolved groundwater plume and saturated sediments at the Site. Potential transport mechanisms from subsurface soils are by volatilization

and atmospheric dispersion. Potential transport mechanisms from the dissolved groundwater plume are by volatilization and entering into structures. The COC can volatilize and travel by diffusion toward the ground surface and enter into building at the Site and the near-by residential and retail buildings, down gradient of the Site. However, concentrations of COC are below ESLs for valuation of potential vapor intrusion.

Gasoline concentration detected in groundwater sample collected from SB5 is above ESL for aquatic habitat goal (Table IV). Figure 8 of Appendix A shows exposure scenario flow chart.

Sierra obtained Environmental Screening Levels (ESLs) from Tier 1 Lookup Tables to identify potential environmental concerns at the Site. ESLs are prepared by the RWQCB San Francisco Region in "Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater" Interim Final –February 2005, Volume 2.

8. CONCLUSIONS

The followings summarize the findings:

- No diesel, benzene, or MTBE was detected in the soil and groundwater samples collected at the Site
Groundwater flow direction varies at the Site, possibly due to extraction and irrigation wells in the general area as well as San Lorenzo creek streambed running south, southeast, and southwest of the Site: general groundwater flow direction in the area, however, is toward west/southwest
- COC has shown a fluctuating concentration trend in the groundwater beneath the Site with the highest COC concentrations in MW2 and MW3, however, its concentration has not been delineated west/southwest and northwest of the Site, toward San Lorenzo creek and the most recent groundwater flow direction
- San Lorenzo creek was identified as the sensitive receptors near the Site
- Gasoline concentration in groundwater sample collected from off-site boring SB5 exceeds ESL for aquatic habitat goal
- No man made conduits extending below ground water level exist near the Site.

9. RECOMMENDATIONS

Sierra recommends to investigate groundwater quality south/southwest and west/northwest of the Site along transect parallel with SB5 and the most recent groundwater flow direction to delineate extend of the gasoline plume, and its distance to San Lorenzo creek.

10.0 LIMITATIONS

The content and conclusion provided by Sierra in this report are based on information collected during its investigation, which include, but are not limited to field observations, analytical results for the soil and groundwater samples collected at and near the Site, as well as information obtained from agencies and private organizations.

Sierra assumes that the samples collected and laboratory results are reasonably representative of the whole Site/area, which may not be the case at unsampled areas. Sierra does not assume responsibility for accuracy of the information provided by agencies and other organizations. This assessment was performed in accordance with generally accepted principles and practices of environmental engineering and assessment in Northern California at the time of the work. This report presents our professional opinion based on our findings, technical knowledge, and experience working on similar projects. No warranty, either expressed or implied, is made.

Please feel welcome to call us if you have questions.

Very Truly Yours,
Sierra Environmental, Inc.



SEP 21-2007
[Handwritten signature]

Reza Baradaran, PE, GE
principal

[Handwritten signature of Mitch Hajiaghai]

Mitch Hajiaghai, REA II, CAC
Principal

cc: Mr. Steven Plunkett, ACHCS(1 Copy)

R06-137.06\SCMMH09182007

Appendix A
FIGURES (1-8)



TN ★ MN
15°

0 0.5 1 MILE
0 1000 FEET 0 500 1000 METERS

Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

980 W. Taylor Street, San Jose, CA 95126
Phone [408] 971-6758 • Fax [408] 971-6759

SITE LOCATION MAP

**Site Conceptual Model
A&C Auto Service**




186 E. Lewelling Boulevard • San Lorenzo • California

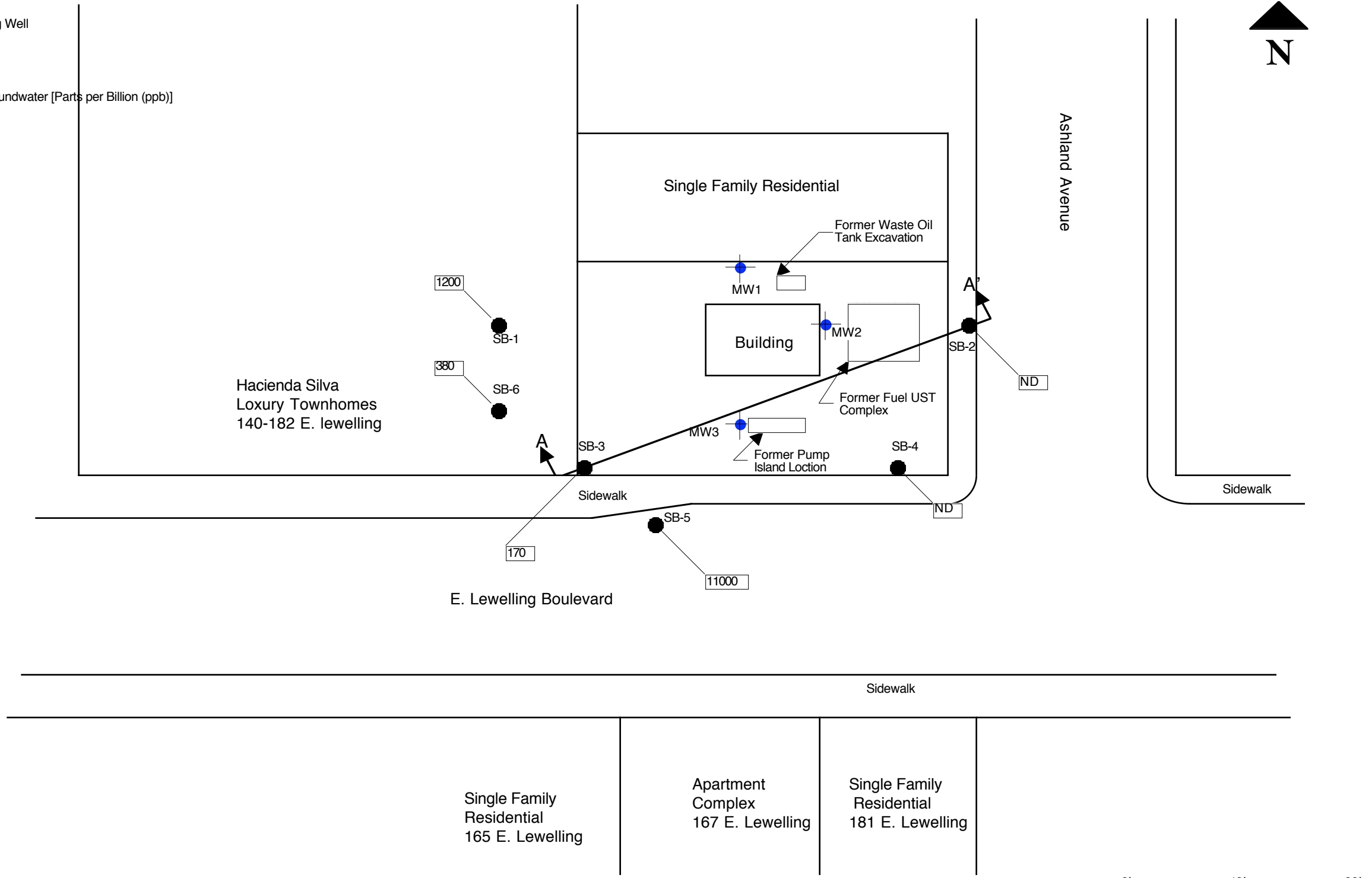
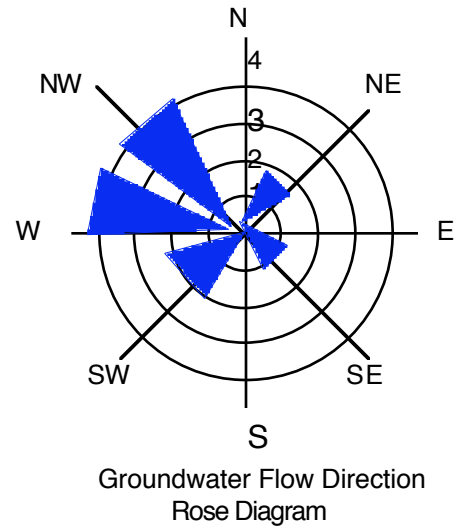
FIGURE

1

Sep 18, 2007
Project 06-137.06

LEGEND

-  MW1 Existing Groundwater Monitoring Well Location and Designation
-  SB1 Proposed Soil Boring Location and Designation
-  Concentration of Gasoline in Groundwater [Parts per Billion (ppb)]



Single Family Residential 165 E. Lewelling	Apartment Complex 167 E. Lewelling	Single Family Residential 181 E. Lewelling
---	---------------------------------------	---



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants
 980 W. Taylor Street, San Jose, CA 95126
 Phone [408]971-6758 • Fax [408] 971-6759

Soil Boring Locations

**Site Conceptual Model
 A&C Auto Service**


186 E. Lewelling Boulevard, San Lorenzo, California, 94580

FIGURE

2

September 18, 2007
 Project 06-137.06

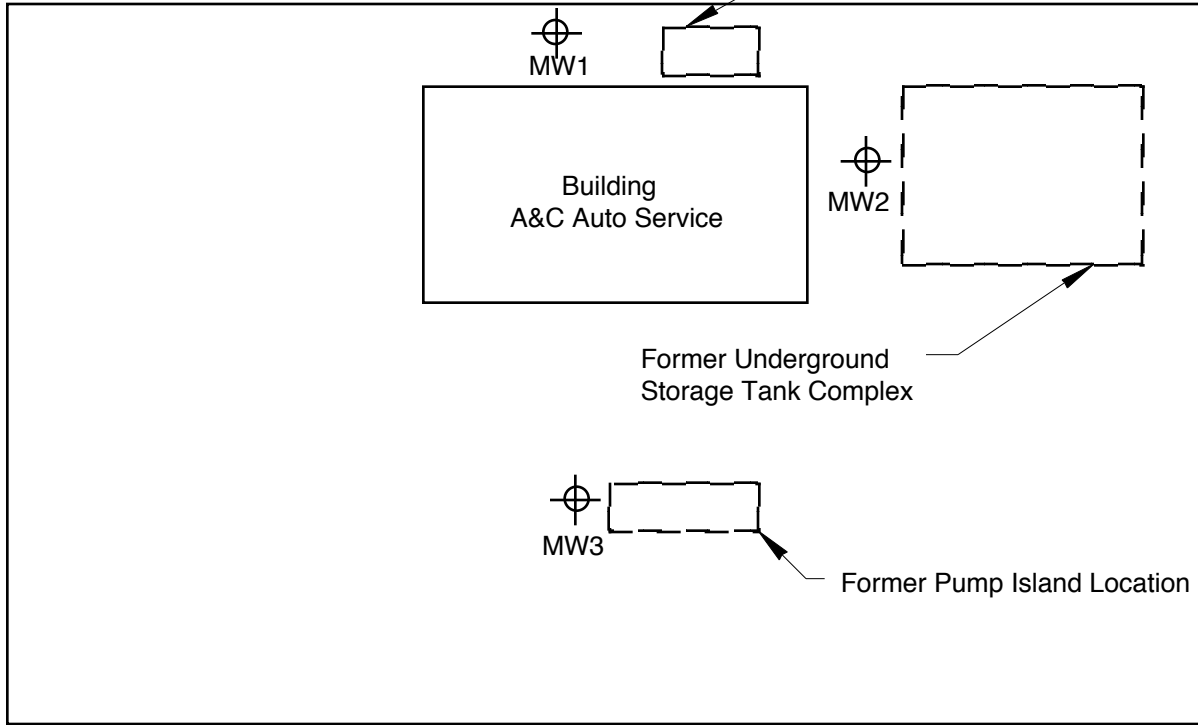
LEGEND

 MW1 Goundwater Monitoring Well Location and Designation

Single-Family Residential
16663 Ashland Avenue



Luxury Townhomes
140-182 E. Lewelling



Asland Avenue

E. Lewelling Boulevard

Approximate Scale: 1" = 20'



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Former UST's Complex & Pump Island Locations

**Site Conceptual Model
A & C Auto Service**


186 E. Lewelling Boulevard, San Lorenzo, California

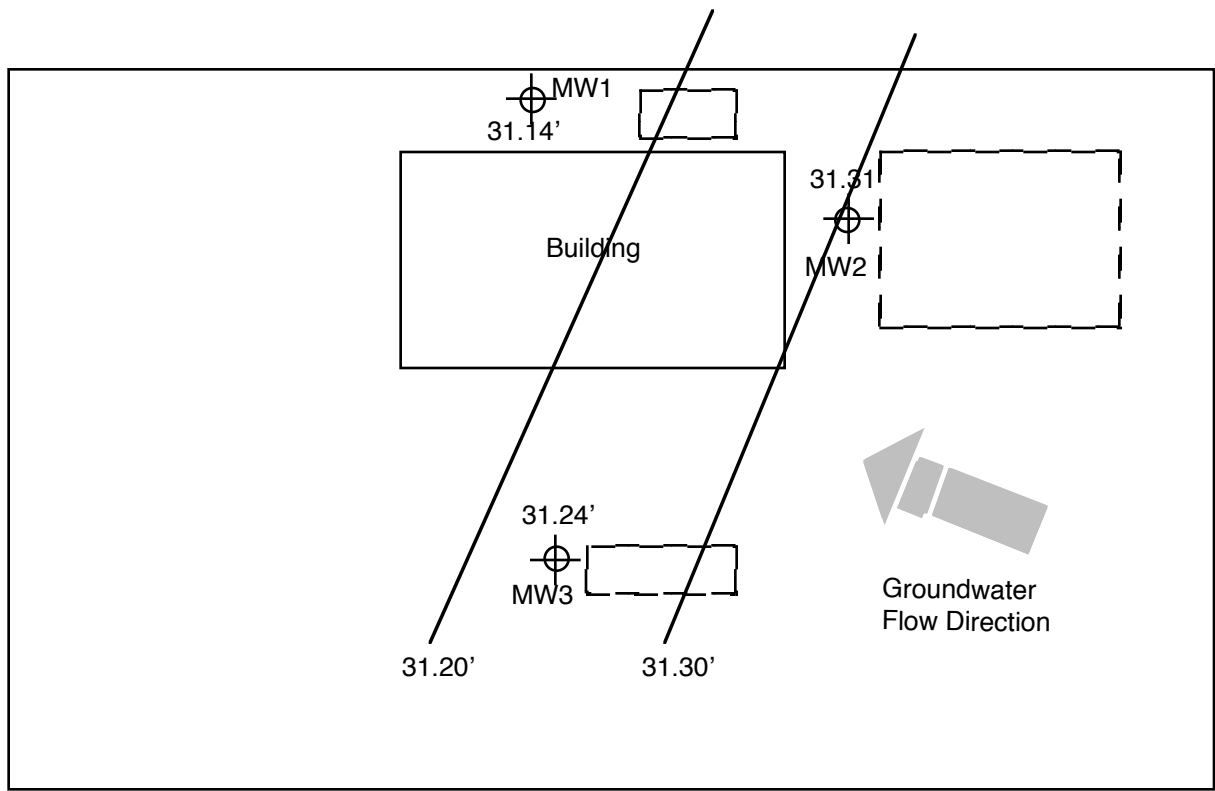
FIGURE

3

Sepr 18, 2007
Project 06-137.06

LEGEND

-  MW1 Groundwater Monitoring Well Location and Designation
- 31.14' Groundwater Elevation in Relation with Mean Sea Level



E. Lewelling Boulevard

Asland Avenue

Approximate Scale: 1' = 20'



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Groundwater Flow Contour

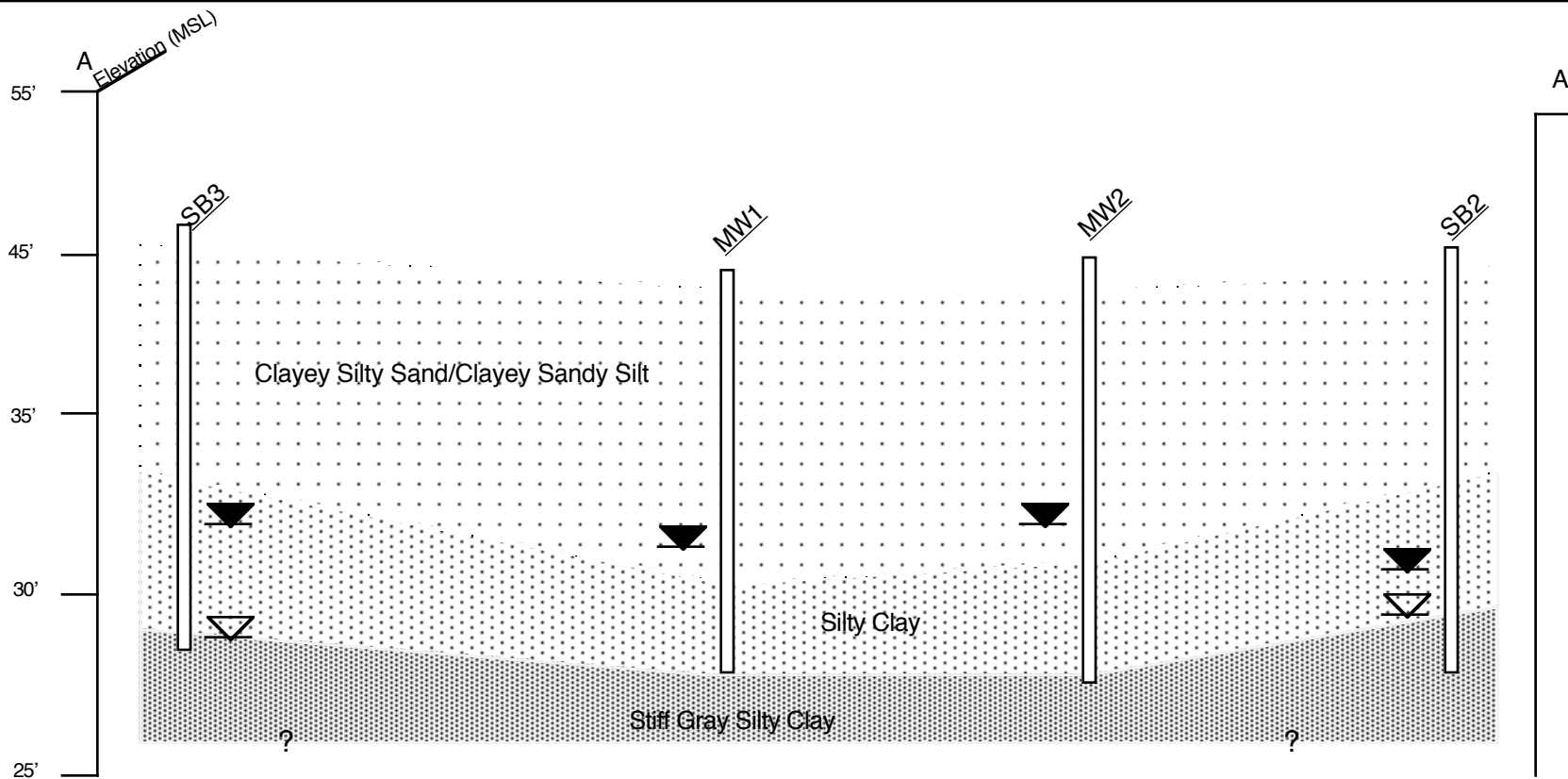
**Site Conceptual Model
A & C Auto Service**

186 E. Lewelling Boulevard, San Lorenzo, California

FIGURE

4

Sept. 18, 2007
Project 06-137.06



Approximate Vertical Scale: 1" = 10'
 Approximate Horizontal Scale: 1" = 20'



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Geologic Cross Section A-A'

**Site Conceptual Model
 A&C Auto**

186 E. Lewelling Boulevard • San Jose • California

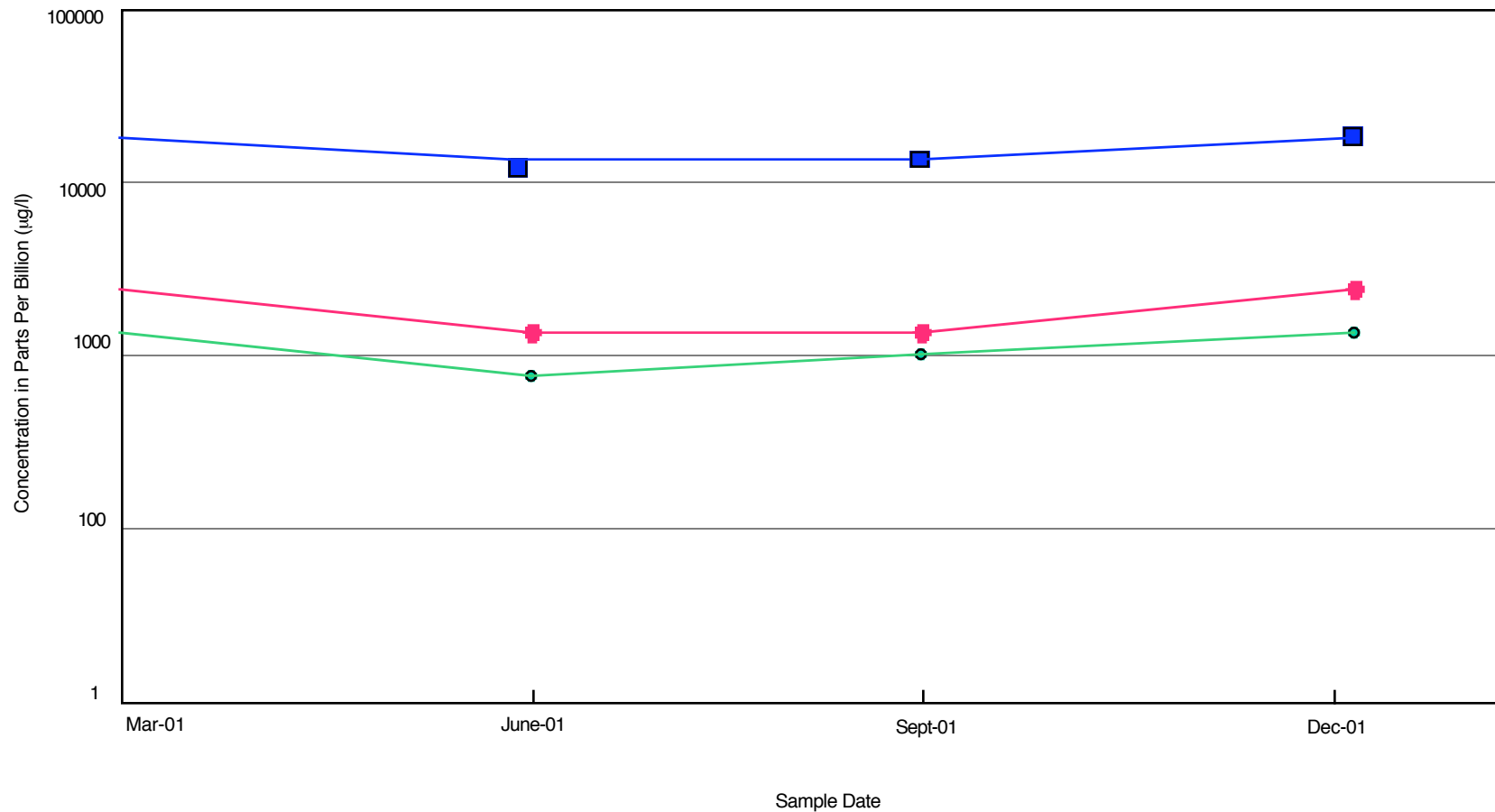
FIGURE

5

Sep 18, 2007
 Project 06-137.06

LEGEND

- TPHG
- Ethylbenzene
- ◆ Xylenes



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Phone [408]971-6758 • Fax [408] 971-6759

Site Conceptual Model

**TPHG, Ethylbenzene, and Xylenes Concentration Curve for MW2
A & C Auto**

186 E. Lewelling Boulevard • San Jose • California

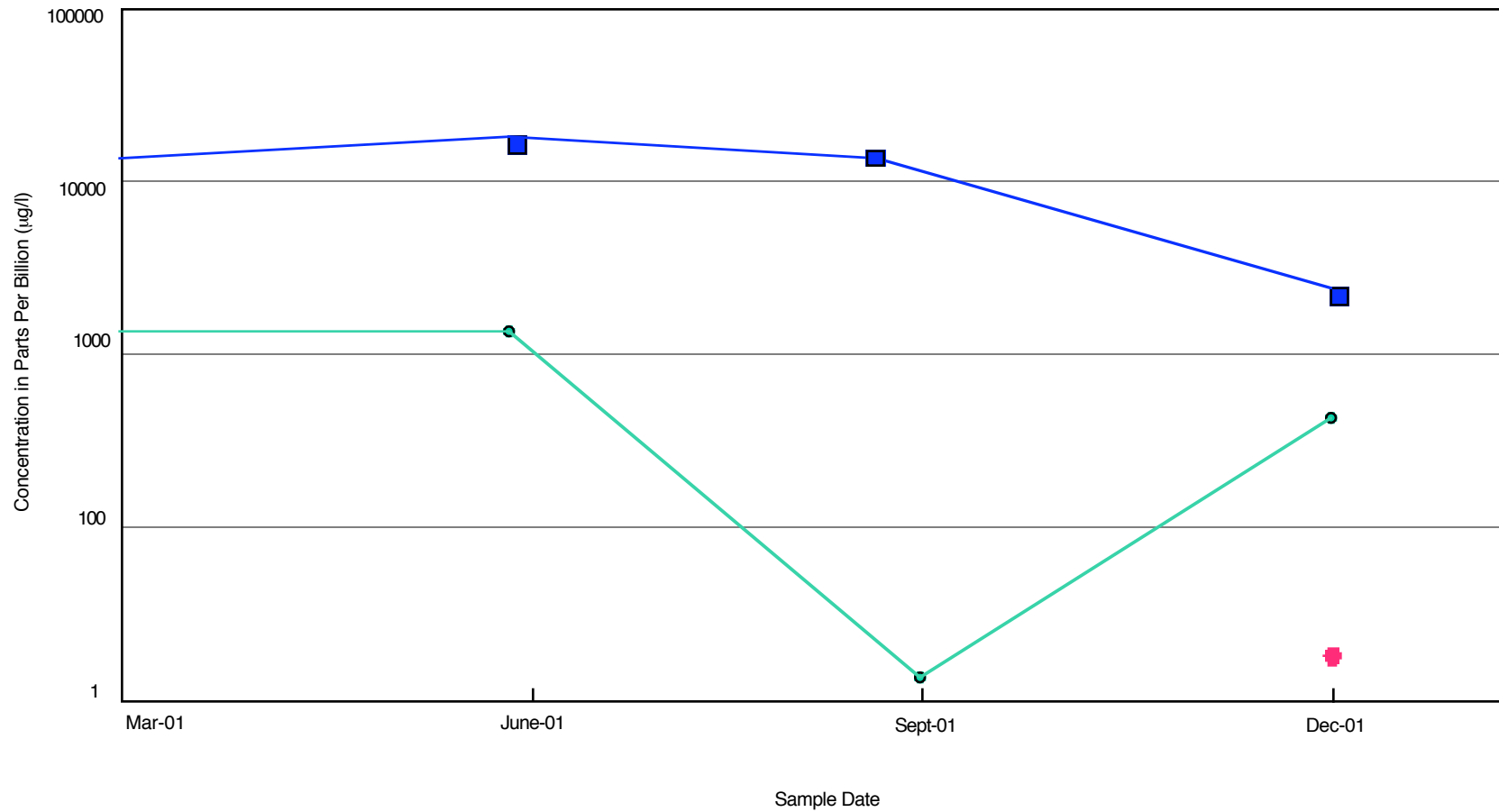
FIGURE

6

September 18 2007
Project 06-137.06

LEGEND

- TPHG
- Ethylbenzene
- ◆ Xylenes



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Site Conceptual Model

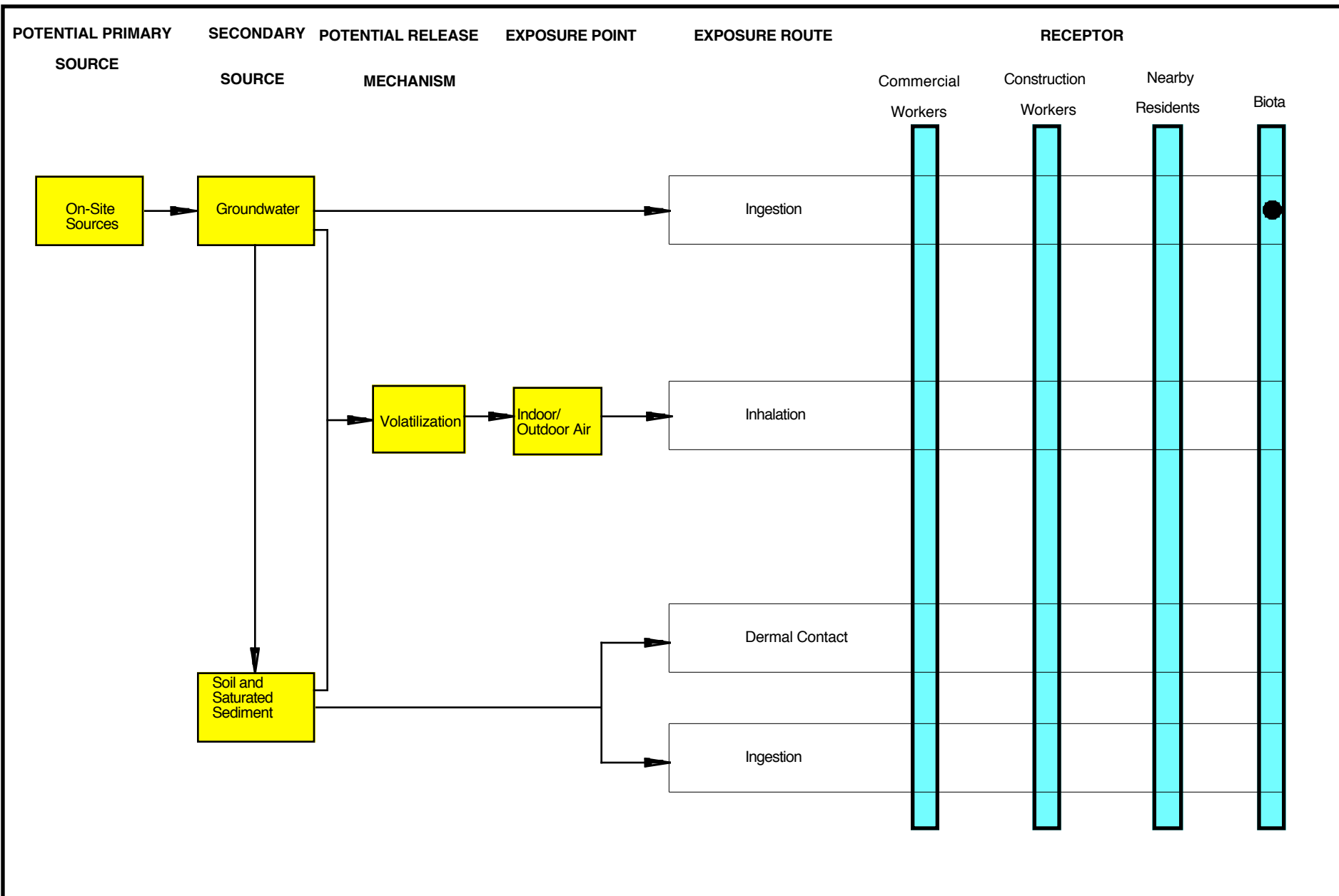
TPHG, Ethylbenzene, and Xylenes Concentration Curve for MW3
A & C Auto

186 E. Lewelling Boulevard • San Jose • California

FIGURE

7

September 18, 2007
Project 06-137.06



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Environmental Consultants

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Site Conceptual Model

**Exposure Scenario Flow Chart
 A & C Auto**

186 E. Lewelling Boulevard • San Lorenzo • California

FIGURE

8

September 18, 2007
 Project 06-137.06

Appendix B
ENCROACHMENT PERMITS
&
SOIL BORING LOGS

Work Order Number:* 80001
*This WO is ___ / is not open for charges.

Permit Number: RD7-LD8533
Permit Issuance Date: 5/2/07
Permit Expiration Date: 5/1/08

COUNTY OF ALAMEDA PUBLIC WORKS AGENCY ROADWAY ENCROACHMENT PERMIT

This Permit is issued in accordance with Chapter 12.08 of the Alameda County General Ordinance Code

Name & Address of Property Owner:
Carl Graffenstatte
PO Box 1295
Eatonville, WA 98328
Phone Number: (360) 832-8020

Job Site Address:
186 E. Lewelling BLVD
San Lorenzo, CA

Name & Address of Contractor:
Vironex
5292 Pacheco Boulevard
Pacheco, CA 94553
Phone Number:

(This statement to be completed by the Agency)
This permit is issued to the owner ___ / contractor ___ ;
if "owner" is checked, he/she is ___ / is not ___ exempt
from the requirement that work in the roadway be
performed by a licensed contractor.

The Applicant intends to perform the following work scope:
-----Advancing 3 Soil Borings in Ashland Avenue and
E. Lewelling BLVD Side-Walks-----

Licensed Contractor Declaration:
I hereby affirm, under penalty of perjury, that I hold the
following contractor's license, which is in full force and
effect, under the applicable provisions of the State
Business and Professions Code.
License Class and No. A 1867423
Contractor's Signature: [Signature]

Worker's Compensation Insurance Declaration:
I hereby affirm, under penalty of perjury, that I will, during
the performance of any and all work authorized by this
permit, satisfy the requirements of the State Labor Code
with regard to Worker's Compensation Insurance, as
declared below:
 I will maintain a certificate of consent to self-insure.
 I will maintain the following insurance policy:
Carrier's Name and Policy No.: State Comp I.F
1813869-2006
 I will not employ any person in any manner so as to become
subject to the worker's compensation laws of the State.
Owner's/Contractor's Signature:

All work and/or access shall be performed in accordance with the requirements of Chapter 12.08 and,
unless otherwise specified below, shall be fully compliant with each of the terms and conditions of the
attached General Provisions:

James Yoo

CALL THIS NUMBER FOR INSPECTIONS: (510) 670 6633

Bond Information:
25000
BY: Phyllis Dickerson, Alameda County

Insp. Fee or Deposit \$99
225
Work Completed (Date): _____
Inspector:

I certify that the information that I have entered into this permit application is correct, and I agree to comply with all of the
terms and conditions and other requirements of the issued Permit.
[Signature] Signature of Applicant 4/17/07 Date

THIS PERMIT IS INCOMPLETE WITHOUT THE ATTACHED GENERAL PROVISIONS



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

May 10, 2007
Project 07-137.06

Ms. Kate Dungca
Avio Real Co.
27675 Vista Bahia Way
Hayward, Ca 94542

Subject: Delineating Extent of Gasoline Contamination Plume in Groundwater Related to A & C Auto Service, 186 E. Lewelling Boulevard, San Lorenzo California

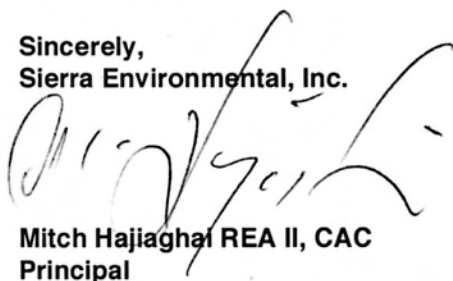
Dear Ms. Dungca:

We have received an access authorization to drill 2 soil borings at 140-182 E. Lewelling Boulevard, San Lorenzo, California from Ms. Gloria Y. Dungca dated May 1, 2007. After obtaining the authorization, Sierra Environmental, Inc. (Sierra) scheduled the drilling work for May 14, 15, 2007, and coordinated with local agencies to complete the subject work. Today, I received a telephone call from you requesting Sierra to not drill any soil boring at your property. Your concern was that if groundwater contamination will be encountered at your property, you would be responsible to clean it up.

Alameda County Health Care Services Agency (ACHCSA) is overseeing investigation and cleanup of the gasoline constituents in groundwater at A & C Auto Service Station located at 186 E. Lewelling Boulevard, San Lorenzo (Site). ACHCSA has requested Sierra Environmental, Inc. (Sierra) to delineate extent of the groundwater contamination plume related to the Site. The owner of the Site has been identified as responsible party by the State and ACHCSA performing required work for the Site. State Underground Storage Tank Fund has been assisting the Site's owner paying necessary costs for the investigation/cleanup work. Therefore, you and/or your property owner will not be financially responsible for contamination originating from the Site. You may contact Steven Plunkett of ACHCSA at (510) 567-6700 if you have questions. Mr. Plunkett is the case officer for the Site.

Sierra appreciates your cooperation regarding this matter, and look forward for your authorization to drill the borings and collect groundwater samples at your property. Please call me at (408) 971-6758 if you have questions.

Sincerely,
Sierra Environmental, Inc.



Mitch Hajiaghal REA II, CAC
Principal

Enclosure:

cc: Mr. Steven Plunkett ACHCSA

980 W. Taylor St. • San Jose • California • 95126
Phone (408) 971-6758 • Fax (408) 971-6759

Sierra Environmental
408-971 6759

PROPERTY ACCESS PERMISSION FORM

I, Vic P. Dunga, hereby give Sierra Environmental Inc.
(Please Print Name)

Permission to enter into the property at 140-182 E. Lewelling Boulevard, San Lorenzo California for the purpose of performing soil and groundwater investigation, as ordered by the ACHCSA.

V.P. DUNGA - Managing Member May 25, 2007
(Signature and Print Name/Title) Date

V.P. Dunga - Managing Member May 28, 2007
(Signature and Print Name/Title) Date

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
 Hayward, CA 94544-1395
 Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/24/2007 By Jamesy

Permit Numbers: W2007-0542
Permits Valid from 05/14/2007 to 05/15/2007

Application Id: 1177094802952
Site Location: 186 E Lewelling Blvd, San Lorenzo, CA
Project Start Date: 05/07/2007
Extension Start Date: 05/14/2007
Extension Count: 1

City of Project Site: San Lorenzo
Completion Date: 05/09/2007
Extension End Date: 05/15/2007
Extended By: Jamesy

Applicant: Sierra Environmental - Mike G
 980 W Taylor St., San Jose, CA 95126
Property Owner: Carl Graffenstatte
 PO Box 1295, Eatonville, WA 98328
Client: ** same as Property Owner **

Phone: 408-971-6758
Phone: 360-832-8020

Receipt Number: WR2007-0182 **Total Due:** \$200.00
Payer Name : Sierra Environmental **Total Amount Paid:** \$200.00
 Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 6 Boreholes
 Driller: Vironex - Lic #: 7505927 - Method: other

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0542	04/24/2007	08/05/2007	6	2.00 in.	25.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
5. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.



MUIR CONSULTING, INC.
SURVEYING ♦ G.I.S. ♦ G.P.S.

460 N. YOSEMITE AVE., SUITE 9
OAKDALE, CA 95361
(209) 845-8630 FAX (209) 845-8639

TRANSMITTAL

Date: April 26, 2007 **Job No.:** 3449-01

To: Sierra Environmental, Inc.
Attn: Mitch Hajiaghai
980 W. Taylor Street
San Jose, CA 95126 **Copies To:** File

From: Jack M. Smith

Subject: 186 E. Lewelling Blvd., San Lorenzo

We Are Sending You Attached **Via** California Overnight A.M. P.M.
 US Priority Mail US Express Mail
 US Mail Hand Delivery

The Following Items:
 Photocopies Prints Originals Reference Digital Other

Copies	Date	No.	Description
2	4/26/07	1	Invoice
1		3	Survey Data Sheets
1	4/26/07	1	Monitoring Well Map

Remarks: If you have any questions, please call.

Jack M. Smith
Jack M. Smith, PLS 7539
President

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC
	MW1	4/26/2007	44.91	TRIG	LOC	0.1	MUIR CONSULTING, INC.		ALAMEDA COUNTY
	MW2	4/26/2007	45.31	TRIG	LOC	0.1	MUIR CONSULTING, INC.		ALAMEDA COUNTY
	MW3	4/26/2007	45.85	TRIG	LOC	0.1	MUIR CONSULTING, INC.		ALAMEDA COUNTY



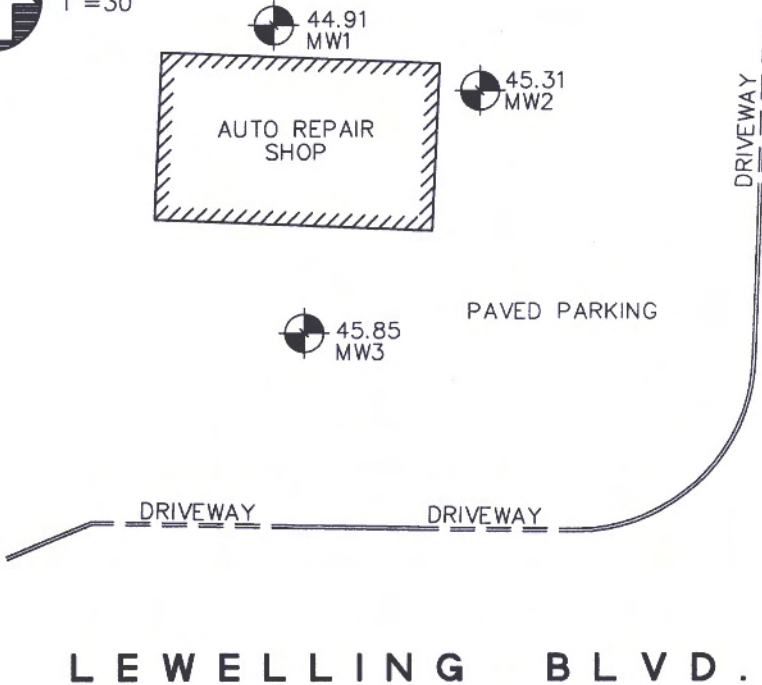
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	MW1	MW	4/19/2007	37.6870791	122.1193674	CGPS	NAD83	1	MUIR CONSULTING, INC.	T5800	
	MW2	MW	4/19/2007	37.6870526	122.1192562	CGPS	NAD83	1	MUIR CONSULTING, INC.	T5800	
	MW3	MW	4/19/2007	37.6869472	122.1193480	CGPS	NAD83	1	MUIR CONSULTING, INC.	T5800	



MONITORING WELL MAP
186 E. LEWELLING BOULEVARD
SAN LORENZO, ALAMEDA COUNTY, CALIFORNIA



1"=30'



MUIR CONSULTING, INC.

460 N. YOSEMITE AVE., SUITE #9
OAKDALE, CA 95361
(209) 845-8630 FAX (209) 845-8639
www.muirconsulting.com

Subject MONITORING WELL MAP
186 E. LEWELLING BLVD

Job No. 3449-01

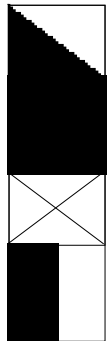
By JMS Date 04/26/07 Chkd. _____

Scale 1"=30' Sheet 1 of 1



Unified Soil Classification System

Major Divisions		LRT	ID	Description	Major Divisions		LRT	ID	Description
Coarse Grained Soils	Gravel and Gravelly Soils	GW		Well-graded gravels or gravel sand mixtures, little or no fines	Fine Grained Soils	Silts and Clays LL < 50	ML		Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity
		GP		Poorly-graded gravels or gravel sand mixture, little or no fines			CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		GM		Silty gravels, gravel-sand-silt mixtures			OL		Organic silts and organic silt-clays of low plasticity
		GC		Clayey gravels, gravel-sand-clay mixtures			Silts and Clays LL > 50	MH	
	Sand and Sandy Soils	SW		Well-graded sands or gravelly sands, little or no fines		CH			Inorganic clays of high plasticity, fat clays
		SP		Poorly-graded sands or gravelly sands, little or no fines		OH			Organic clays of medium to high plasticity
		SM		Silty sands, sand, and silt mixtures		Highly Organic Soils		Pt	
		SC		Clayey sands, and clay mixtures					

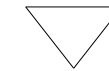


Standard Penetration Split Spoon Sample 51mm (2.0 inch) O.D., 35mm (1.4 inch) I.D.

Modified California Sampler 64mm (2.5 inch) O.D., 51mm (2.0 inch) I.D.

Split Spoon Sampler 1 1/4" O.D., 51mm (2.0 inch) I.D.

No Recovery



Approximate water level first observed in boring

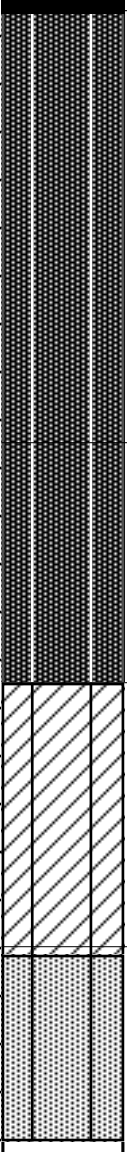




Approximate water level observed in boring following drilling

- PID = Photo Ionization Detector (parts per million)
- PEN = Pocket penerometer reading, in MPa
- TV:Su = Torvane shear strength, in MPa
- DS = Direct Shear
- OVM = Organic Vapor Meter
- TXUU' = Shear strength at failure with corresponding strain

EXPLORATORY BORING LOG

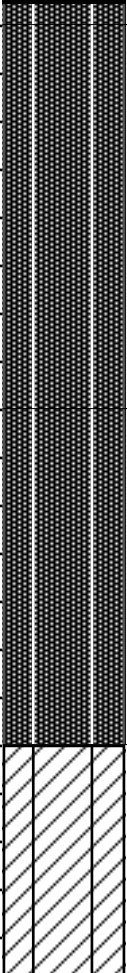

186 E. Lewelling Boulevard, San Lorenzo, CA

PID Reading ppm	Blows per foot	Sample N°	Depth/ft	Graphic Log	Soil Description
			0		
0			5		3" of asphalt and 6" of baserock Brown silty sand, damp, no odor
0			10		Brown clayey silty sand, damp, no odor
0			15		Brown sandy silty clay, moist, no odor
0		SB1-20	20		Brown silty sandy clay, moist, stiff, no odor
0			25		The boring was terminated at 24' bellow ground surface and it was sealed with portland cement the same day.

Remarks:

EXPLORATORY BORING LOG

186 E. Lewelling Boulevard, San Lorenzo, CA

PID Reading ppm	Blows per foot	Sample N°	Depth/ft	Graphic Log	Soil Description
			0		
0			5		3" concrete and 5" of baserock Brown clayey sandy silt, damp, no odor Brown clayey sand , stiff, damp, no odor
0			10		
0		SB2-16	15		Grey stiff silty clay, moist, no odor
0			20		
0			25		The boring was terminated at 24' bellow ground surface and it was sealed with portland cement the same day.

Remarks:



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

Page 1 of 1

Drilling Date : 05-14-07

Drilling Co. : Vironex

Boring N°: SB2

Project N°: 06-137.06

Field Personnel: M.H.

EXPLORATORY BORING LOG


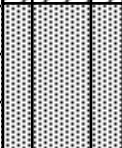
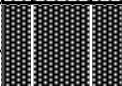



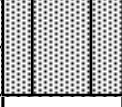
186 E. Lewelling Boulevard, San Lorenzo, CA

PID Reading ppm	Blows per foot	Sample N°	Depth/ft	Graphic Log	Soil Description
			0		
0			5		3" of asphalt and 6" of baserock Brown clayey sandy silt, damp, no odor
0			10		
0			15		
0		SB3-17	20		
0			25		Grey stiff silty clay, moist, no odor
					The boring was terminated at 24' bellow ground surface and it was sealed with portland cement the same day.


Remarks:

EXPLORATORY BORING LOG

186 E. Lewelling Boulevard, San Lorenzo, CA

PID Reading ppm	Blows per foot	Sample N°	Depth/ft	Graphic Log	Soil Description
			0		
0			5		3" of asphalt and 6" of baserock
0			10		Brown clayey silt, damp, no odor
0			15		Olive brown sandy silt, damp, no odor
0			20		Olive brown clayey sandy silt, moist, no odor
0			25		Brown sand, wet, no odor
0		SB4-16	20		Grey stiff silty clay, moist, no odor
0			25		The boring was terminated at 24' bellow ground surface and it was sealed with portland cement the same day.

Remarks:

 <p>SIERRA ENVIRONMENTAL, INC. <i>Environmental Consultants</i></p>	Page <u>1</u> of <u>1</u>	Boring N°: SB4
	Drilling Date : 05-14-07	Project N°: 06-137.06
	Drilling Co. : Vironex	Field Personnel: M.H.

EXPLORATORY BORING LOG

186 E. Lewelling Boulevard, San Lorenzo, CA

PID Reading ppm	Blows per foot	Sample N°	Depth/ft	Graphic Log	Soil Description
			0		
0			5		5" of asphalt and 6" of baserock
0			10		Dark brown silty clay, damp, no odor
0			15		Olive brown clayey sandy silt, damp, no odor
0			20		Brown clayey sand, moist, no odor
0		SB5-20	20		Grey clayey sand, moist, hydrocarbons odor
0			25		Grey stiff silty clay, wet, no odor
			25		The boring was terminated at 24' bellow ground surface and it was sealed with portland cement the same day.

Remarks:



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

Page 1 of 1

Drilling Date : 05-14-07

Drilling Co. : Vironex

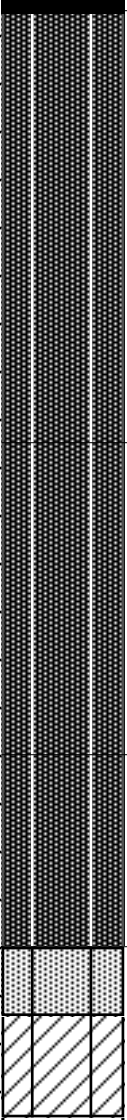


Boring N°: SB5

Project N°: 06-137.06

Field Personnel: M.H.

EXPLORATORY BORING LOG

186 E. Lewelling Boulevard, San Lorenzo, CA

PID Reading ppm	Blows per foot	Sample N°	Depth/ft	Graphic Log	Soil Description
			0		
0			5		3" of asphalt and 6" of baserock Brown silty sand, damp, no odor
0			10		Brown clayey silty sand, damp, no odor
0			15		Brown sand, moist, no odor
0		SB6-20	20		Brown stiff silty sandy clay, moist, no odor
0			24		The boring was terminated at 24' bellow ground surface and it was sealed with portland cement the same day.

Remarks:

Appendix C
CERTIFIED ANALYTICAL RESULTS
AND CHAIN-OF-CUSTODY DOCUMENTATION

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Mitch Hajiaghai
Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126

Lab Certificate Number: 55669

Issued: 06/12/2007

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd

Global ID: T0600100961

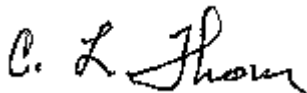
Certificate of Analysis - Final Report

On May 29, 2007, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater TPH-Extractable: EPA 3510C / EPA 8015B(M) TPH-Purgeable - GC/MS: EPA 5030B / GC/MS VOCs: EPA 5030B / EPA 8260B
Solid	Electronic Deliverables for Geotracker ICP Metals: EPA 3050B / EPA 6010B TPH-Extractable: EPA 3545A / EPA 8015B(M) TPH-Purgeable - GC/MS: EPA 5030B (or 5035A for Encore Samples only) / GC/MS VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/29/2007

Sample Collected by: Client

Lab # : 55669-001 Sample ID: SB1-20 Matrix: Solid Sample Date: 5/29/2007 11:45 AM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Toluene	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Ethyl Benzene	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Xylenes, Total	ND		1.0	10	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Methyl-t-butyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
tert-Butanol (TBA)	ND		1.0	40	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Diisopropyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	112	60 - 130
Dibromofluoromethane	116	60 - 130
Toluene-d8	109	60 - 130

Analyzed by: Bela

Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.2		1.0	1.0	mg/Kg	5/29/2007	SM070529	5/30/2007	SM070529

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable - GC/MS: EPA 5030B (or 5035A for Encore Samples only) / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	µg/kg	N/A	N/A	5/31/2007	SM7I070531I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	101	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: Bela

Reviewed by: MaiChiTu

TPH-Extractable: EPA 3545A / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/31/2007	SD070531A	6/1/2007	SD070531A

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	61.7	50 - 150

Analyzed by: JHsiang

Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/29/2007
Sample Collected by: Client

Lab # : 55669-002 Sample ID: SB6-20 Matrix: Solid Sample Date: 5/29/2007 11:00 AM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Toluene	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Ethyl Benzene	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Xylenes, Total	ND		1.0	10	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Methyl-t-butyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
tert-Butanol (TBA)	ND		1.0	40	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
Diisopropyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/kg	N/A	N/A	5/31/2007	SM7I070531I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	111	60 - 130
Dibromofluoromethane	119	60 - 130
Toluene-d8	108	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.3		1.0	1.0	mg/Kg	5/29/2007	SM070529	5/30/2007	SM070529

Analyzed by: CTran
Reviewed by: HDINH

TPH-Purgeable - GC/MS: EPA 5030B (or 5035A for Encore Samples only) / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	µg/kg	N/A	N/A	5/31/2007	SM7I070531I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	101	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3545A / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		0.99	5.0	mg/Kg	5/31/2007	SD070531A	6/1/2007	SD070531A
17 mg/Kg Motor Oil. No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	70.4	50 - 150

Analyzed by: JHsiang
Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/29/2007
Sample Collected by: Client

Lab # : 55669-003 Sample ID: W-1

Matrix: Liquid Sample Date: 5/29/2007 12:20 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	118	60 - 130
Dibromofluoromethane	96.0	60 - 130
Toluene-d8	93.2	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.40		1.0	0.0050	mg/L	5/29/2007	WM070529	5/30/2007	WM070529

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1200		5.0	120	µg/L	N/A	N/A	5/31/2007	WM1A070531A
Atypical pattern.									

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	98.1	60 - 130
Toluene-d8	92.2	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.3	64	µg/L	5/31/2007	WD070531A	6/1/2007	WD070531A
920 µg/L Higher boiling hydrocarbon (C9-C24). No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	82.2	50 - 150

Analyzed by: JHsiang

Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/29/2007

Sample Collected by: Client

Lab # : 55669-004 Sample ID: W-6

Matrix: Liquid Sample Date: 5/29/2007 11:20 AM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/30/2007	WM1A070530A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	88.0	60 - 130
Toluene-d8	98.9	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.46		1.0	0.0050	mg/L	5/29/2007	WM070529	5/30/2007	WM070529

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	380		1.0	25	µg/L	N/A	N/A	5/30/2007	WM1A070530A
Atypical pattern.									

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.4	60 - 130
Dibromofluoromethane	92.0	60 - 130
Toluene-d8	92.3	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.1	55	µg/L	5/31/2007	WD070531A	6/1/2007	WD070531A
1300 µg/L Higher boiling hydrocarbon (C9-C24). No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	87.2	50 - 150

Analyzed by: JHsiang

Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM7I070531I

Validated by: MaiChiTu - 06/01/07

QC Batch Analysis Date: 5/31/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	5.0	µg/kg
Diisopropyl Ether	ND	1	5.0	µg/kg
Ethyl Benzene	ND	1	5.0	µg/kg
Methyl-t-butyl Ether	ND	1	5.0	µg/kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/kg
tert-Butanol (TBA)	ND	1	40	µg/kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/kg
Toluene	ND	1	5.0	µg/kg
Xylenes, Total	ND	1	10	µg/kg

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	111	60 - 130
Dibromofluoromethane	116	60 - 130
Toluene-d8	109	60 - 130

Method Blank - Solid - TPH-Purgeable - GC/MS: EPA 5030B (or 5035A for Encore Samples only) / GC/MS

QC Batch ID: SM7I070531I

Validated by: MaiChiTu - 06/01/07

QC Batch Analysis Date: 5/31/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	100	µg/kg

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	102	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM71070531I

Reviewed by: MaiChiTu - 06/01/07

QC Batch ID Analysis Date: 5/31/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	41.7	µg/Kg	104	70 - 135
Benzene	<5.0	40	38.3	µg/Kg	95.7	70 - 135
Chlorobenzene	<5.0	40	33.0	µg/Kg	82.4	70 - 135
Methyl-t-butyl Ether	<5.0	40	45.9	µg/Kg	115	70 - 135
Toluene	<5.0	40	38.0	µg/Kg	95.0	70 - 135
Trichloroethene	<5.0	40	37.3	µg/Kg	93.3	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	110	60 - 130
Dibromofluoromethane	119	60 - 130
Toluene-d8	106	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	43.5	µg/Kg	109	4.15	30.0	70 - 135
Benzene	<5.0	40	39.9	µg/Kg	99.7	4.05	30.0	70 - 135
Chlorobenzene	<5.0	40	34.6	µg/Kg	86.6	4.89	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	47.6	µg/Kg	119	3.71	30.0	70 - 135
Toluene	<5.0	40	39.1	µg/Kg	97.7	2.84	30.0	70 - 135
Trichloroethene	<5.0	40	39.0	µg/Kg	97.4	4.32	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	111	60 - 130
Dibromofluoromethane	118	60 - 130
Toluene-d8	105	60 - 130

LCS / LCSD - Solid - TPH-Purgeable - GC/MS: EPA 5030B (or 5035A for Encore Samples only) / GC/MS

QC Batch ID: SM71070531I

Reviewed by: MaiChiTu - 06/01/07

QC Batch ID Analysis Date: 5/31/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<100	250	243	µg/kg	97.2	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	101	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	271	µg/kg	108	10.9	30.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	99.2	60 - 130
Toluene-d8	101	60 - 130

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MS / MSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM7I070531I

Reviewed by: MaiChiTu - 06/04/07

QC Batch ID Analysis Date: 5/31/2007

MS Sample Spiked: 55669-002

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	40	29.8	µg/Kg	5/31/2007	74.4	65 - 135
Methyl-t-butyl Ether	ND	40	33.9	µg/Kg	5/31/2007	84.7	65 - 135
Toluene	ND	40	30.1	µg/Kg	5/31/2007	75.2	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	122	60 - 130
Dibromofluoromethane	120	60 - 130
Toluene-d8	115	60 - 130

MSD Sample Spiked: 55669-002

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	40	35.7	µg/Kg	5/31/2007	89.2	18.2	30.0	65 - 135
Methyl-t-butyl Ether	ND	40	44.5	µg/Kg	5/31/2007	111	27.2	30.0	65 - 135
Toluene	ND	40	35.5	µg/Kg	5/31/2007	88.8	16.6	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	110	60 - 130
Dibromofluoromethane	119	60 - 130
Toluene-d8	105	60 - 130

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A070530A

Validated by: MaiChiTu - 05/31/07

QC Batch Analysis Date: 5/30/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	86.6	60 - 130
Toluene-d8	98.4	60 - 130

Method Blank - Liquid - TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

QC Batch ID: WM1A070530A

Validated by: MaiChiTu - 05/31/07

QC Batch Analysis Date: 5/30/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	91.6	60 - 130
Dibromofluoromethane	90.6	60 - 130
Toluene-d8	91.8	60 - 130

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LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A070530A

Reviewed by: MaiChiTu - 05/31/07

QC Batch ID Analysis Date: 5/30/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	21.2	µg/L	106	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.8	µg/L	104	70 - 130
Toluene	<0.50	20	19.4	µg/L	97.0	70 - 130

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	101	60 - 130
Toluene-d8	91.2	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	21.6	µg/L	108	1.87	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.6	µg/L	108	3.77	25.0	70 - 130
Toluene	<0.50	20	18.8	µg/L	94.0	3.14	25.0	70 - 130

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	113	60 - 130
Dibromofluoromethane	106	60 - 130
Toluene-d8	90.9	60 - 130

LCS / LCSD - Liquid - TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

QC Batch ID: WM1A070530A

Reviewed by: MaiChiTu - 05/31/07

QC Batch ID Analysis Date: 5/30/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	125	115	µg/L	91.7	65 - 135

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	93.0	60 - 130
Dibromofluoromethane	93.6	60 - 130
Toluene-d8	89.8	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	125	110	µg/L	88.1	4.01	25.0	65 - 135

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	93.2	60 - 130
Dibromofluoromethane	93.8	60 - 130
Toluene-d8	90.8	60 - 130

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Method Blank - Liquid - TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

QC Batch ID: WM1A070531A

Validated by: MaiChiTu - 06/04/07

QC Batch Analysis Date: 5/31/2007

Parameter		Result	DF	PQLR	Units
TPH as Gasoline		ND	1	25	µg/L
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	95.5	60 - 130			
Dibromofluoromethane	93.7	60 - 130			
Toluene-d8	88.1	60 - 130			

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LCS / LCSD - Liquid - TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

QC Batch ID: WM1A070531A

Reviewed by: MaiChiTu - 06/04/07

QC Batch ID Analysis Date: 5/31/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	125	131	µg/L	104	65 - 135

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	95.2	60 - 130
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Dibromofluoromethane	95.0	60 - 130
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Toluene-d8	90.1	60 - 130
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LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	125	116	µg/L	92.8	11.8	25.0	65 - 135

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	93.2	60 - 130
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Dibromofluoromethane	96.7	60 - 130
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Toluene-d8	91.8	60 - 130
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Entech Analytical Labs, Inc.

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Method Blank - Solid - TPH-Extractable: EPA 3545A / EPA 8015B(M)

QC/Prep Batch ID: SD070531A

Validated by: MTRAN - 05/31/07

QC/Prep Date: 5/31/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	5.0	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
n-Hexacosane	85.6	50 - 150		

LCS / LCSD - Solid - TPH-Extractable: EPA 3545A / EPA 8015B(M)

QC Batch ID: SD070531A

Reviewed by: MTRAN - 05/31/07

QC/Prep Date: 5/31/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<5.0	100	86.3	mg/Kg	86.3	45 - 140
TPH as Motor Oil	<10	100	80.3	mg/Kg	80.3	45 - 140
Surrogate	% Recovery	Control Limits				
n-Hexacosane	86.7	50 - 150				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<5.0	100	84.7	mg/Kg	84.7	1.87	30.0	45 - 140
TPH as Motor Oil	<10	100	84.8	mg/Kg	84.8	5.45	30.0	45 - 140
Surrogate	% Recovery	Control Limits						
n-Hexacosane	85.3	50 - 150						

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WD070531A

Validated by: MTRAN - 05/31/07

QC/Prep Date: 5/31/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
n-Hexacosane	87.8	50 - 150		

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WD070531A

Reviewed by: MTRAN - 05/31/07

QC/Prep Date: 5/31/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	1050	µg/L	105	40 - 138
TPH as Motor Oil	<100	1000	908	µg/L	90.8	40 - 138
Surrogate	% Recovery	Control Limits				
n-Hexacosane	86.1	50 - 150				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	1040	µg/L	104	0.670	25.0	40 - 138
TPH as Motor Oil	<100	1000	935	µg/L	93.5	2.93	25.0	40 - 138
Surrogate	% Recovery	Control Limits						
n-Hexacosane	84.5	50 - 150						

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LCS / LCSD - Solid - ICP Metals: EPA 3050B / EPA 6010B

QC Batch ID: SM070529

Reviewed by: HDINH - 05/30/07

QC/Prep Date: 5/29/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Cadmium	<1.0	50	46.5	mg/Kg	93.1	75 - 125
Chromium	<1.0	50	47.3	mg/Kg	94.6	75 - 125
Lead	<1.0	50	47.9	mg/Kg	95.8	75 - 125
Nickel	<1.0	50	46.9	mg/Kg	93.8	75 - 125
Zinc	<2.0	50	45.6	mg/Kg	91.2	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Cadmium	<1.0	50	46.5	mg/Kg	93.0	0.123	25.0	75 - 125
Chromium	<1.0	50	47.2	mg/Kg	94.4	0.265	25.0	75 - 125
Lead	<1.0	50	47.3	mg/Kg	94.6	1.34	25.0	75 - 125
Nickel	<1.0	50	46.8	mg/Kg	93.5	0.269	25.0	75 - 125
Zinc	<2.0	50	45.4	mg/Kg	90.9	0.417	25.0	75 - 125

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LCS / LCSD - Liquid - ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

QC Batch ID: WM070529

Reviewed by: HDINH - 05/30/07

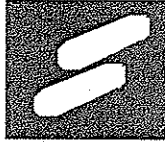
QC/Prep Date: 5/29/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Antimony	<0.010	0.5	0.541	mg/L	108	75 - 125
Arsenic	<0.010	0.5	0.517	mg/L	103	75 - 125
Barium	<0.0050	0.5	0.524	mg/L	105	75 - 125
Beryllium	<0.0050	0.5	0.516	mg/L	103	75 - 125
Boron	<0.0050	0.5	0.549	mg/L	110	75 - 125
Cadmium	<0.0020	0.5	0.517	mg/L	103	75 - 125
Chromium	<0.0050	0.5	0.517	mg/L	103	75 - 125
Cobalt	<0.0050	0.5	0.534	mg/L	107	75 - 125
Copper	<0.0050	0.5	0.519	mg/L	104	75 - 125
Lead	<0.0050	0.5	0.539	mg/L	108	75 - 125
Manganese	<0.0020	0.5	0.539	mg/L	108	75 - 125
Molybdenum	<0.0050	0.5	0.529	mg/L	106	75 - 125
Nickel	<0.0050	0.5	0.522	mg/L	104	75 - 125
Selenium	<0.020	0.5	0.498	mg/L	99.5	75 - 125
Silver	<0.0050	0.5	0.531	mg/L	106	75 - 125
Thallium	<0.020	0.5	0.492	mg/L	98.4	75 - 125
Tin	<0.050	1	1.06	mg/L	106	75 - 125
Titanium	<0.0020	0.5	0.533	mg/L	107	75 - 125
Vanadium	<0.0050	0.5	0.530	mg/L	106	75 - 125
Zinc	<0.010	0.5	0.519	mg/L	104	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Antimony	<0.010	0.5	0.540	mg/L	108	0.148	25.0	75 - 125
Arsenic	<0.010	0.5	0.521	mg/L	104	0.713	25.0	75 - 125
Barium	<0.0050	0.5	0.525	mg/L	105	0.191	25.0	75 - 125
Beryllium	<0.0050	0.5	0.509	mg/L	102	1.48	25.0	75 - 125
Boron	<0.0050	0.5	0.546	mg/L	109	0.566	25.0	75 - 125
Cadmium	<0.0020	0.5	0.518	mg/L	104	0.135	25.0	75 - 125
Chromium	<0.0050	0.5	0.517	mg/L	103	0.155	25.0	75 - 125
Cobalt	<0.0050	0.5	0.535	mg/L	107	0.131	25.0	75 - 125
Copper	<0.0050	0.5	0.518	mg/L	104	0.173	25.0	75 - 125
Lead	<0.0050	0.5	0.533	mg/L	107	1.06	25.0	75 - 125
Manganese	<0.0020	0.5	0.532	mg/L	106	1.40	25.0	75 - 125
Molybdenum	<0.0050	0.5	0.529	mg/L	106	0.00	25.0	75 - 125
Nickel	<0.0050	0.5	0.521	mg/L	104	0.115	25.0	75 - 125
Selenium	<0.020	0.5	0.492	mg/L	98.4	1.13	25.0	75 - 125
Silver	<0.0050	0.5	0.531	mg/L	106	0.00	25.0	75 - 125
Thallium	<0.020	0.5	0.491	mg/L	98.3	0.122	25.0	75 - 125
Tin	<0.050	1	1.05	mg/L	105	0.902	25.0	75 - 125
Titanium	<0.0020	0.5	0.527	mg/L	105	1.28	25.0	75 - 125
Vanadium	<0.0050	0.5	0.530	mg/L	106	0.0377	25.0	75 - 125
Zinc	<0.010	0.5	0.520	mg/L	104	0.193	25.0	75 - 125



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

CHAIN OF CUSTODY

55669

Project Name: New Performance Project No: 06-137.06 Date: 5/29/07

Project Location: 186 E. Lewelling Boulevard Client: Carl Graffenstatte Sampler: Mike Hagi

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested				Turnaround Time	
					TPHD 8015	Total lead	TPHGI 8260B	TPHGI 8260B		
SB1-20	5/29/07	11:45	SOIL	7	X	X	-001	X	24-hour	Normal
SB6-20		11:00	↓	↓	X	X	-002	X	24-hour	Normal
W-1		12:20	water	↓	X	X	-003	X	24-hour	Normal
W-6		11:20	↓	↓	X	X	-004	X	24-hour	Normal
								X	24-hour	Normal
			2 Acetate tubes			4 vials each (HCL)			24-hour	Normal
			2 Lit Ambers each NIP			1 250mL poly each (HNO3)			24-hour	Normal

Remarks: Samples contain preservative. Please email the results in EDF format for Geotracker ID# T0600100961 to maz.sierra@sbcglobal.net

Relinquished by <i>[Signature]</i>	Date 5/29/07	Time 2:00	Received by Ron Wipfler	Date 5/29/07	Time 2:15
Relinquished by	Date	Time	Received by	Date	Time

980 W. Taylor Street • San Jose • California • 95126
Phone (408) 971-6758 • Fax (408) 9716759

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Mitch Hajiaghai
Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126

Lab Certificate Number: 55440

Issued: 05/23/2007

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd

Global ID: T0600100961

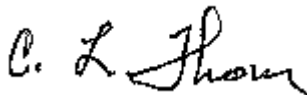
Certificate of Analysis - Final Report

On May 15, 2007, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater TPH-Extractable: EPA 3510C / EPA 8015B(M) TPH-Purgeable: GC/MS VOCs: EPA 8260B
Solid	Electronic Deliverables for Geotracker ICP Metals: EPA 3050B / EPA 6010B TPH-Extractable: EPA 3545A / EPA 8015B(M) TPH-Purgeable: GC/MS VOCs: EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-001 Sample ID: SB2-16 Matrix: Solid Sample Date: 5/14/2007 1:53 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.0	60 - 130
Dibromofluoromethane	98.4	60 - 130
Toluene-d8	99.5	60 - 130

Analyzed by: Mfelix
Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.8		1.0	1.0	mg/Kg	5/15/2007	SM070515	5/16/2007	SM070515

Analyzed by: CTran
Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline Atypical pattern.	280		1.0	100	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.4	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	97.6	60 - 130

Analyzed by: Mfelix
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3545A / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/15/2007	SD070515A	5/18/2007	SD070515A

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	89.7	50 - 150

Analyzed by: NBocalan
Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-002 Sample ID: SB3-17 Matrix: Solid Sample Date: 5/14/2007 12:05 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.0	60 - 130
Dibromofluoromethane	95.8	60 - 130
Toluene-d8	103	60 - 130

Analyzed by: Mfelix
Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	5.9		1.0	1.0	mg/Kg	5/15/2007	SM070515	5/16/2007	SM070515

Analyzed by: CTran
Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	110		1.0	100	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Not a gasoline pattern. Value due to unknown compounds.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.0	60 - 130
Dibromofluoromethane	95.8	60 - 130
Toluene-d8	103	60 - 130

Analyzed by: Mfelix
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3545A / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/15/2007	SD070515A	5/18/2007	SD070515A

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	86.5	50 - 150

Analyzed by: NBocalan
Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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Fax: (408) 588-0201

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Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-003

Sample ID: SB4-16

Matrix: Solid

Sample Date: 5/14/2007

10:45 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	95.4	60 - 130
Toluene-d8	105	60 - 130

Analyzed by: Mfelix

Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.0		1.0	1.0	mg/Kg	5/15/2007	SM070515	5/16/2007	SM070515

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	95.4	60 - 130
Toluene-d8	105	60 - 130

Analyzed by: Mfelix

Reviewed by: MaiChiTu

TPH-Extractable: EPA 3545A / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/15/2007	SD070515A	5/18/2007	SD070515A

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	86.4	50 - 150

Analyzed by: NBocalan

Reviewed by: ELing

Entech Analytical Labs, Inc.

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Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-004 Sample ID: SB5-20 Matrix: Solid Sample Date: 5/14/2007 3:30 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	97.3	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: Mfelix
Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.3		1.0	1.0	mg/Kg	5/15/2007	SM070515	5/16/2007	SM070515

Analyzed by: CTran
Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	500		1.0	100	µg/Kg	N/A	N/A	5/18/2007	SM3E070518E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	97.3	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: Mfelix
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3545A / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/15/2007	SD070515A	5/18/2007	SD070515A

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	83.2	50 - 150

Analyzed by: NBocalan
Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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Fax: (408) 588-0201

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Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-005

Sample ID: W-2

Matrix: Liquid Sample Date: 5/14/2007 2:15 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethanol	ND		1.0	200	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.7	60 - 130
Dibromofluoromethane	96.4	60 - 130
Toluene-d8	93.2	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	ND		1.0	0.0050	mg/L	5/16/2007	WM070516	5/17/2007	WM070516

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	98.3	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	58		1.1	56	µg/L	5/16/2007	WD070516A	5/18/2007	WD070516A

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	83.0	50 - 150

Analyzed by: NBocalan

Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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Fax: (408) 588-0201

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Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-006

Sample ID: W-3

Matrix: Liquid Sample Date: 5/14/2007 12:20 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Xylenes, Total	1.0		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethanol	ND		1.0	200	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.1	60 - 130
Dibromofluoromethane	92.8	60 - 130
Toluene-d8	92.2	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	ND		1.0	0.0050	mg/L	5/16/2007	WM070516	5/17/2007	WM070516

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	170		1.0	25	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	98.8	60 - 130
Toluene-d8	97.2	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	98		1.3	66	µg/L	5/16/2007	WD070516A	5/18/2007	WD070516A
71 µg/L Hydrocarbon (C9-C14).									

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	84.4	50 - 150

Analyzed by: NBocalan

Reviewed by: ELing

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Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007

Sample Collected by: Client

Lab # : 55440-007

Sample ID: W-4

Matrix: Liquid Sample Date: 5/14/2007 10:45 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethanol	ND		1.0	200	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.5	60 - 130
Dibromofluoromethane	91.9	60 - 130
Toluene-d8	91.9	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	ND		1.0	0.0050	mg/L	5/16/2007	WM070516	5/17/2007	WM070516

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.6	60 - 130
Dibromofluoromethane	97.9	60 - 130
Toluene-d8	96.9	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	67		1.2	58	µg/L	5/16/2007	WD070516A	5/18/2007	WD070516A

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	84.5	50 - 150

Analyzed by: NBocalan

Reviewed by: ELing

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Project Number: 06-137.06
Project Name: Graffenstatte
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 05/15/2007
Sample Collected by: Client

Lab # : 55440-008

Sample ID: W-5

Matrix: Liquid Sample Date: 5/14/2007 4:00 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	5/16/2007	WM2C070516C
Ethanol	ND		1.0	200	µg/L	N/A	N/A	5/16/2007	WM2C070516C

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.6	60 - 130
Dibromofluoromethane	92.5	60 - 130
Toluene-d8	93.6	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.0087		1.0	0.0050	mg/L	5/16/2007	WM070516	5/17/2007	WM070516

Analyzed by: CTran

Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	11000		20	500	µg/L	N/A	N/A	5/17/2007	WM2C070517C

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	94.7	60 - 130
Toluene-d8	95.1	60 - 130

Analyzed by: MaiChiTu

Reviewed by: mfelix

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel 9500 µg/L Hydrocarbon (C9-C26).	ND		6.7	340	µg/L	5/16/2007	WD070516A	5/21/2007	WD070516A

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	119	50 - 150

Analyzed by: NBocalan

Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070518E

Validated by: MaiChiTu - 05/21/07

QC Batch Analysis Date: 5/18/2007

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
Toluene	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	97.7	60 - 130
Dibromofluoromethane	96.6	60 - 130
Toluene-d8	104	60 - 130

Method Blank - Solid - TPH-Purgeable: GC/MS

QC Batch ID: SM3E070518E

Validated by: MaiChiTu - 05/21/07

QC Batch Analysis Date: 5/18/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	100	µg/Kg

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	98.4	60 - 130
Dibromofluoromethane	101	60 - 130
Toluene-d8	102	60 - 130

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LCS / LCSD - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070518E

Reviewed by: MaiChiTu - 05/21/07

QC Batch ID Analysis Date: 5/18/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	32.7	µg/Kg	81.8	70 - 135
Benzene	<5.0	40	35.5	µg/Kg	88.8	70 - 135
Chlorobenzene	<5.0	40	41.9	µg/Kg	105	70 - 135
Methyl-t-butyl Ether	<5.0	40	32.8	µg/Kg	82.0	70 - 135
Toluene	<5.0	40	41.9	µg/Kg	105	70 - 135
Trichloroethene	<5.0	40	37.9	µg/Kg	94.8	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.9	60 - 130
Dibromofluoromethane	94.4	60 - 130
Toluene-d8	98.6	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	33.6	µg/Kg	84.0	2.71	30.0	70 - 135
Benzene	<5.0	40	33.9	µg/Kg	84.8	4.61	30.0	70 - 135
Chlorobenzene	<5.0	40	41.1	µg/Kg	103	1.93	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	33.1	µg/Kg	82.8	0.910	30.0	70 - 135
Toluene	<5.0	40	41.9	µg/Kg	105	0.00	30.0	70 - 135
Trichloroethene	<5.0	40	35.9	µg/Kg	89.8	5.42	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.8	60 - 130
Dibromofluoromethane	96.8	60 - 130
Toluene-d8	100	60 - 130

LCS / LCSD - Solid - TPH-Purgeable: GC/MS

QC Batch ID: SM3E070518E

Reviewed by: MaiChiTu - 05/21/07

QC Batch ID Analysis Date: 5/18/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<100	250	204	µg/kg	81.6	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	101	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	175	µg/kg	70.0	15.3	30.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	98.8	60 - 130
Toluene-d8	100	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

MS / MSD - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070518E

Reviewed by: MaiChiTu - 05/21/07

QC Batch ID Analysis Date: 5/18/2007

MS Sample Spiked: 55440-003

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	40	27.7	µg/Kg	5/18/2007	69.2	65 - 135
Methyl-t-butyl Ether	ND	40	29.3	µg/Kg	5/18/2007	73.2	65 - 135
Toluene	ND	40	34.1	µg/Kg	5/18/2007	85.2	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	112	60 - 130
Dibromofluoromethane	90.3	60 - 130
Toluene-d8	99.2	60 - 130

MSD Sample Spiked: 55440-003

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	40	26.9	µg/Kg	5/18/2007	67.2	2.93	30.0	65 - 135
Methyl-t-butyl Ether	ND	40	28.1	µg/Kg	5/18/2007	70.2	4.18	30.0	65 - 135
Toluene	ND	40	34.0	µg/Kg	5/18/2007	85.0	0.294	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.4	60 - 130
Dibromofluoromethane	94.4	60 - 130
Toluene-d8	99.8	60 - 130

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3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2C070516C

Validated by: xbian - 05/17/07

QC Batch Analysis Date: 5/16/2007

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	200	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	94.3	60 - 130
Dibromofluoromethane	87.9	60 - 130
Toluene-d8	91.3	60 - 130

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2C070516C

Validated by: xbian - 05/17/07

QC Batch Analysis Date: 5/16/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	97.3	60 - 130
Dibromofluoromethane	93.6	60 - 130
Toluene-d8	96.3	60 - 130

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LCS / LCSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2C070516C

Reviewed by: xbian - 05/17/07

QC Batch ID Analysis Date: 5/16/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.5	µg/L	92.5	70 - 130
Benzene	<0.50	20	19.7	µg/L	98.5	70 - 130
Chlorobenzene	<0.50	20	19.7	µg/L	98.5	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.1	µg/L	95.5	70 - 130
Toluene	<0.50	20	19.4	µg/L	97.0	70 - 130
Trichloroethene	<0.50	20	19.9	µg/L	99.5	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	90.1	60 - 130
Dibromofluoromethane	86.5	60 - 130
Toluene-d8	89.9	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.8	µg/L	99.0	6.79	25.0	70 - 130
Benzene	<0.50	20	20.4	µg/L	102	3.49	25.0	70 - 130
Chlorobenzene	<0.50	20	20.3	µg/L	102	3.00	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.2	µg/L	101	5.60	25.0	70 - 130
Toluene	<0.50	20	19.7	µg/L	98.5	1.53	25.0	70 - 130
Trichloroethene	<0.50	20	20.8	µg/L	104	4.42	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	92.1	60 - 130
Dibromofluoromethane	87.8	60 - 130
Toluene-d8	90.4	60 - 130

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2C070516C

Reviewed by: xbian - 05/17/07

QC Batch ID Analysis Date: 5/16/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	276	µg/L	110	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.9	60 - 130
Dibromofluoromethane	91.0	60 - 130
Toluene-d8	96.3	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	249	µg/L	99.6	10.4	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.8	60 - 130
Dibromofluoromethane	94.0	60 - 130
Toluene-d8	97.4	60 - 130

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Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2C070517C

Validated by: mfelix - 05/21/07

QC Batch Analysis Date: 5/17/2007

Parameter		Result	DF	PQLR	Units
TPH as Gasoline		ND	1	25	µg/L
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	96.4	60 - 130			
Dibromofluoromethane	98.1	60 - 130			
Toluene-d8	97.3	60 - 130			

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LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2C070517C

Reviewed by: mfelix - 05/21/07

QC Batch ID Analysis Date: 5/17/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	296	µg/L	119	65 - 135

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	98.8	60 - 130
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Dibromofluoromethane	96.7	60 - 130
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Toluene-d8	100	60 - 130
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LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	257	µg/L	103	14.1	30.0	65 - 135

Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	96.8	60 - 130
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Dibromofluoromethane	94.4	60 - 130
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Toluene-d8	96.6	60 - 130
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Method Blank - Solid - TPH-Extractable: EPA 3545A / EPA 8015B(M)

QC/Prep Batch ID: SD070515A

Validated by: ELing - 05/21/07

QC/Prep Date: 5/15/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	5.0	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
n-Hexacosane	96.1	50 - 150		

LCS / LCSD - Solid - TPH-Extractable: EPA 3545A / EPA 8015B(M)

QC Batch ID: SD070515A

Reviewed by: ELing - 05/21/07

QC/Prep Date: 5/15/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<5.0	100	95.3	mg/Kg	95.3	45 - 140
TPH as Motor Oil	<10	100	86.1	mg/Kg	86.1	45 - 140
Surrogate	% Recovery	Control Limits				
n-Hexacosane	93.1	50 - 150				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<5.0	100	92.2	mg/Kg	92.2	3.25	30.0	45 - 140
TPH as Motor Oil	<10	100	89.2	mg/Kg	89.2	3.50	30.0	45 - 140
Surrogate	% Recovery	Control Limits						
n-Hexacosane	90.1	50 - 150						

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Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WD070516A

Validated by: ECunniffe - 05/18/07

QC/Prep Date: 5/16/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
n-Hexacosane	89.3	50 - 150		

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WD070516A

Reviewed by: ECunniffe - 05/18/07

QC/Prep Date: 5/16/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	1310	µg/L	131	40 - 138
TPH as Motor Oil	<100	1000	1220	µg/L	122	40 - 138
Surrogate	% Recovery	Control Limits				
n-Hexacosane	84.1	50 - 150				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	1240	µg/L	124	5.87	25.0	40 - 138
TPH as Motor Oil	<100	1000	1200	µg/L	120	1.74	25.0	40 - 138
Surrogate	% Recovery	Control Limits						
n-Hexacosane	81.0	50 - 150						

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LCS / LCSD - Solid - ICP Metals: EPA 3050B / EPA 6010B

QC Batch ID: SM070515

Reviewed by: HDINH - 05/16/07

QC/Prep Date: 5/15/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Antimony	<1.0	50	44.0	mg/Kg	87.9	75 - 125
Arsenic	<1.0	50	45.6	mg/Kg	91.2	75 - 125
Barium	<1.0	50	47.4	mg/Kg	94.7	75 - 125
Beryllium	<1.0	50	48.4	mg/Kg	96.7	75 - 125
Cadmium	<1.0	50	47.3	mg/Kg	94.6	75 - 125
Chromium	<1.0	50	47.0	mg/Kg	93.9	75 - 125
Cobalt	<1.0	50	48.3	mg/Kg	96.6	75 - 125
Copper	<1.0	50	48.1	mg/Kg	96.3	75 - 125
Lead	<1.0	50	49.2	mg/Kg	98.4	75 - 125
Molybdenum	<1.0	50	48.0	mg/Kg	96.1	75 - 125
Nickel	<1.0	50	47.5	mg/Kg	95.1	75 - 125
Selenium	<2.0	50	44.8	mg/Kg	89.7	75 - 125
Silver	<1.0	50	47.5	mg/Kg	95.1	75 - 125
Thallium	<2.0	50	44.8	mg/Kg	89.7	75 - 125
Vanadium	<1.0	50	48.7	mg/Kg	97.5	75 - 125
Zinc	<2.0	50	48.7	mg/Kg	97.4	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Antimony	<1.0	50	43.9	mg/Kg	87.8	0.207	25.0	75 - 125
Arsenic	<1.0	50	45.1	mg/Kg	90.1	1.21	25.0	75 - 125
Barium	<1.0	50	47.8	mg/Kg	95.6	0.901	25.0	75 - 125
Beryllium	<1.0	50	47.9	mg/Kg	95.9	0.903	25.0	75 - 125
Cadmium	<1.0	50	46.8	mg/Kg	93.6	1.11	25.0	75 - 125
Chromium	<1.0	50	46.5	mg/Kg	93.0	0.971	25.0	75 - 125
Cobalt	<1.0	50	47.7	mg/Kg	95.4	1.22	25.0	75 - 125
Copper	<1.0	50	47.9	mg/Kg	95.7	0.571	25.0	75 - 125
Lead	<1.0	50	48.7	mg/Kg	97.4	0.973	25.0	75 - 125
Molybdenum	<1.0	50	47.8	mg/Kg	95.6	0.499	25.0	75 - 125
Nickel	<1.0	50	47.0	mg/Kg	94.0	1.18	25.0	75 - 125
Selenium	<2.0	50	44.7	mg/Kg	89.3	0.425	25.0	75 - 125
Silver	<1.0	50	47.1	mg/Kg	94.1	0.994	25.0	75 - 125
Thallium	<2.0	50	44.6	mg/Kg	89.3	0.469	25.0	75 - 125
Vanadium	<1.0	50	48.1	mg/Kg	96.3	1.25	25.0	75 - 125
Zinc	<2.0	50	47.5	mg/Kg	95.0	2.50	25.0	75 - 125

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LCS / LCSD - Liquid - ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

QC Batch ID: WM070516

Reviewed by: HDINH - 05/16/07

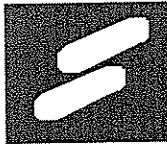
QC/Prep Date: 5/16/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Antimony	<0.010	0.5	0.501	mg/L	100	75 - 125
Arsenic	<0.010	0.5	0.489	mg/L	97.8	75 - 125
Barium	<0.0050	0.5	0.503	mg/L	101	75 - 125
Beryllium	<0.0050	0.5	0.514	mg/L	103	75 - 125
Cadmium	<0.0020	0.5	0.514	mg/L	103	75 - 125
Chromium	<0.0050	0.5	0.504	mg/L	101	75 - 125
Cobalt	<0.0050	0.5	0.523	mg/L	105	75 - 125
Copper	<0.0050	0.5	0.514	mg/L	103	75 - 125
Lead	<0.0050	0.5	0.520	mg/L	104	75 - 125
Manganese	<0.0020	0.5	0.534	mg/L	107	75 - 125
Molybdenum	<0.0050	0.5	0.511	mg/L	102	75 - 125
Nickel	<0.0050	0.5	0.511	mg/L	102	75 - 125
Selenium	<0.020	0.5	0.484	mg/L	96.8	75 - 125
Silver	<0.0050	0.5	0.510	mg/L	102	75 - 125
Thallium	<0.020	0.5	0.477	mg/L	95.4	75 - 125
Tin	<0.050	1	1.04	mg/L	104	75 - 125
Titanium	<0.0020	0.5	0.521	mg/L	104	75 - 125
Vanadium	<0.0050	0.5	0.523	mg/L	105	75 - 125
Zinc	<0.010	0.5	0.523	mg/L	105	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Antimony	<0.010	0.5	0.498	mg/L	99.7	0.600	25.0	75 - 125
Arsenic	<0.010	0.5	0.485	mg/L	97.0	0.903	25.0	75 - 125
Barium	<0.0050	0.5	0.506	mg/L	101	0.496	25.0	75 - 125
Beryllium	<0.0050	0.5	0.510	mg/L	102	0.879	25.0	75 - 125
Cadmium	<0.0020	0.5	0.502	mg/L	100	2.36	25.0	75 - 125
Chromium	<0.0050	0.5	0.495	mg/L	98.9	1.84	25.0	75 - 125
Cobalt	<0.0050	0.5	0.511	mg/L	102	2.30	25.0	75 - 125
Copper	<0.0050	0.5	0.505	mg/L	101	1.77	25.0	75 - 125
Lead	<0.0050	0.5	0.517	mg/L	103	0.444	25.0	75 - 125
Manganese	<0.0020	0.5	0.534	mg/L	107	0.150	25.0	75 - 125
Molybdenum	<0.0050	0.5	0.512	mg/L	102	0.215	25.0	75 - 125
Nickel	<0.0050	0.5	0.500	mg/L	100	2.13	25.0	75 - 125
Selenium	<0.020	0.5	0.487	mg/L	97.4	0.597	25.0	75 - 125
Silver	<0.0050	0.5	0.500	mg/L	100	1.94	25.0	75 - 125
Thallium	<0.020	0.5	0.477	mg/L	95.3	0.0839	25.0	75 - 125
Tin	<0.050	1	1.03	mg/L	103	0.819	25.0	75 - 125
Titanium	<0.0020	0.5	0.520	mg/L	104	0.192	25.0	75 - 125
Vanadium	<0.0050	0.5	0.514	mg/L	103	1.66	25.0	75 - 125
Zinc	<0.010	0.5	0.511	mg/L	102	2.40	25.0	75 - 125



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

CHAIN OF CUSTODY

Project Name: Graffenstatte Project No: 06-137.06 Date: 5-15-07

Project Location: 186 E. Lewelling BLVD Client: Carl Graffenstatte Sampler: Mike Haji

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested						Turnaround Time	
					8015/8020 TPHG BTEX,,MTBE	8015 TPHD	418.1 TRPH	BTEX 8020	TPHG&BTEX Fuel Oxygenates 8260B	Total Lead		
					55440							
SB2-16	5/14/07	1:53	Soil	1	001	X			X	X	24-hour Other _____	Normal
SB3-17		12:05			002	X			X	X	24-hour Other _____	Normal
SB4-16		10:45			003	X			X	X	24-hour Other _____	Normal
SB5-20		3:30			004	X			X	X	24-hour Other _____	Normal
W-2		2:15	Water	6	005	X			X	X	24-hour Other _____	Normal
W-3		12:20			006	X			X	X	24-hour Other _____	Normal
W-4		10:45			007	X			X	X	24-hour Other _____	Normal

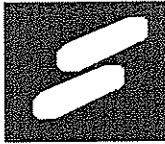
Samples transferred to 4 bags poly @ extedly + vum 2nd Amber for TPH & cp

Remarks: Samples contain preservative. Please email the results in EDF format for Geotracker ID# T0600100961 to maz.sierra@sbcglobal.net
The Fuel Oxygenates Are: EDB, EDC, MTBE, TAME, ETBE, DIPE, TBA, and ETOH.

Relinquished by	Date <u>5/15/07</u>	Time <u>9:46</u>	Received by	Date <u>05/15/07</u>	Time <u>1036</u>
Relinquished by	Date	Time	Received by	Date	Time

980 W. Taylor Street • San Jose • California • 95126
Phone (408) 971-6758 • Fax (408) 9716759

1 250ml poly each (HNL)



SIERRA ENVIRONMENTAL, INC.
Environmental Consultants

CHAIN OF CUSTODY

Project Name: Graffenstatte Project No: 06-137.06 Date: 5-15-07
 Project Location: 186 E. Lewelling BLVD Client: Carl Graffenstatte Sampler: Mike Hagi

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested							Turnaround Time		
					8015/8020 TPHG BTEX,,MTBE	8015 TPHD	418.1 TRPH	BTEX 8020	TPHG&BTEX Fuel Oxygenates 8260B	Total Lead			24-hour Other _____	
55440														
W-5	5/14/07	4:00	Water	6	-008	X				X	X		24-hour Other _____	Normal
													24-hour Other _____	Normal
													24-hour Other _____	Normal
													24-hour Other _____	Normal
													24-hour Other _____	Normal
													24-hour Other _____	Normal

Sample transferred
 @entail 10 (K-008)
 from NCO
 to H.P. Andrew

Remarks: Samples contain preservative. Please email the results in EDF format for Geotracker ID# T0600100961 to maz.sierra@sbcglobal.net
 The Fuel Oxygenates Are: EDB, EDC, MTBE, TAME, ETBE, DIPE, TBA, and ETOH.

Relinquished by <i>[Signature]</i>	Date <u>5/15/07</u>	Time <u>9:00</u>	Received by <i>[Signature]</i>	Date <u>05/15/07</u>	Time <u>1036</u>
Relinquished by	Date	Time	Received by	Date	Time

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Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Mitch Hajiaghai
Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126

Lab Certificate Number: 54766

Issued: 04/12/2007

Project Number: 07-137.00
Project Name: Graffenstatte(New Performance)
Project Location: 186 E. Lewelling Blvd

Global ID: T0600100961

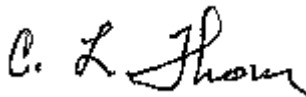
Certificate of Analysis - Final Report

On April 02, 2007, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	Electronic Deliverables for Geotracker ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater TPH-Extractable: EPA 3510C / EPA 8015B(M) TPH-Purgeable: GC/MS VOCs: EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 07-137.00
Project Name: Graffenstatte(New Performance)
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 04/02/2007
Sample Collected by: Client

Lab # : 54766-001 Sample ID: MW-1

Matrix: Liquid Sample Date: 4/2/2007

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/3/2007	WM7I070403I
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Ethanol	ND		1.0	200	µg/L	N/A	N/A	4/3/2007	WM7I070403I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	105	60 - 130

Analyzed by: BDhabalia
Reviewed by: MaiChiTu

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.071		1.0	0.0050	mg/L	4/5/2007	WM070405	4/6/2007	WM070405

Analyzed by: CTran
Reviewed by: DQueja

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	4/3/2007	WM7I070403I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	113	60 - 130
Toluene-d8	104	60 - 130

Analyzed by: BDhabalia
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	4/3/2007	WD070403A	4/4/2007	WD070403A

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	82.7	50 - 150

Analyzed by: JHsiang
Reviewed by: ECunniffe

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 07-137.00
Project Name: Graffenstatte(New Performance)
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 04/02/2007
Sample Collected by: Client

Lab # : 54766-002

Sample ID: MW-2

Matrix: Liquid Sample Date: 4/2/2007

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		5.0	2.5	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Toluene	ND		5.0	2.5	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Ethyl Benzene	21		5.0	2.5	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Xylenes, Total	20		5.0	2.5	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Methyl-t-butyl Ether	ND		5.0	5.0	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Butyl Ethyl Ether	ND		5.0	25	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Butanol (TBA)	ND		5.0	50	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Diisopropyl Ether	ND		5.0	25	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Amyl Methyl Ether	ND		5.0	25	µg/L	N/A	N/A	4/3/2007	WM7I070403I
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/3/2007	WM7I070403I
1,2-Dibromoethane (EDB)	ND		5.0	2.5	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Ethanol	ND		5.0	1000	µg/L	N/A	N/A	4/3/2007	WM7I070403I

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	60 - 130
Dibromofluoromethane	108	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: BDhabalia

Reviewed by: MaiChiTu

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	ND		1.0	0.0050	mg/L	4/5/2007	WM070405	4/6/2007	WM070405

Analyzed by: CTran

Reviewed by: DQueja

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	3200		5.0	120	µg/L	N/A	N/A	4/3/2007	WM7I070403I

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	112	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: BDhabalia

Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	4/3/2007	WD070403A	4/5/2007	WD070403A

1700 µg/L Higher boiling gasoline compounds (C9-C16). No Diesel pattern present.

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	113	50 - 150

Analyzed by: JHsiang

Reviewed by: ECunniffe

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sierra Environmental, Inc.
980 West Taylor Street
San Jose, CA 95126
Attn: Mitch Hajiaghai

Project Number: 07-137.00
Project Name: Graffenstatte(New Performance)
Project Location: 186 E. Lewelling Blvd
GlobalID: T0600100961

Certificate of Analysis - Data Report

Samples Received: 04/02/2007
Sample Collected by: Client

Lab # : 54766-003

Sample ID: MW-3

Matrix: Liquid Sample Date: 4/2/2007

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		20	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Toluene	ND		20	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Ethyl Benzene	18		20	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Xylenes, Total	27		20	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Methyl-t-butyl Ether	ND		20	20	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Butyl Ethyl Ether	ND		20	100	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Butanol (TBA)	ND		20	200	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Diisopropyl Ether	ND		20	100	µg/L	N/A	N/A	4/3/2007	WM7I070403I
tert-Amyl Methyl Ether	ND		20	100	µg/L	N/A	N/A	4/3/2007	WM7I070403I
1,2-Dichloroethane	ND		20	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
1,2-Dibromoethane (EDB)	ND		20	10	µg/L	N/A	N/A	4/3/2007	WM7I070403I
Ethanol	ND		20	4000	µg/L	N/A	N/A	4/3/2007	WM7I070403I

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: BDhabalia

Reviewed by: MaiChiTu

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.029		1.0	0.0050	mg/L	4/5/2007	WM070405	4/6/2007	WM070405

Analyzed by: CTran

Reviewed by: DQueja

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	12000		20	500	µg/L	N/A	N/A	4/3/2007	WM7I070403I

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108	60 - 130
Dibromofluoromethane	114	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: BDhabalia

Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		4.0	200	µg/L	4/3/2007	WD070403A	4/6/2007	WD070403A

4200 µg/L Higher boiling gasoline compounds (C9-C16). No Diesel pattern present.

Surrogate

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	128	50 - 150

Analyzed by: JHsiang

Reviewed by: ELing

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 8260B

QC Batch ID: WM7I070403I

Validated by: MaiChiTu - 04/04/07

QC Batch Analysis Date: 4/3/2007

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	200	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	105	60 - 130
Toluene-d8	104	60 - 130

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM7I070403I

Validated by: MaiChiTu - 04/04/07

QC Batch Analysis Date: 4/3/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	110	60 - 130
Toluene-d8	104	60 - 130

Entech Analytical Labs, Inc.

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LCS / LCSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM7I070403I

Reviewed by: MaiChiTu - 04/04/07

QC Batch ID Analysis Date: 4/3/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.8	µg/L	104	70 - 130
Benzene	<0.50	20	19.1	µg/L	95.5	70 - 130
Chlorobenzene	<0.50	20	18.6	µg/L	93.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.4	µg/L	97.0	70 - 130
Toluene	<0.50	20	18.6	µg/L	93.0	70 - 130
Trichloroethene	<0.50	20	20.3	µg/L	102	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	104.0	60 - 130
Dibromofluoromethane	109.0	60 - 130
Toluene-d8	105.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.9	µg/L	110	5.2	25.0	70 - 130
Benzene	<0.50	20	19.9	µg/L	99.5	4.1	25.0	70 - 130
Chlorobenzene	<0.50	20	19.4	µg/L	97.0	4.2	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.3	µg/L	106	9.3	25.0	70 - 130
Toluene	<0.50	20	19.5	µg/L	97.5	4.7	25.0	70 - 130
Trichloroethene	<0.50	20	21.1	µg/L	106	3.9	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	104.0	60 - 130
Dibromofluoromethane	112.0	60 - 130
Toluene-d8	104.0	60 - 130

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM7I070403I

Reviewed by: MaiChiTu - 04/04/07

QC Batch ID Analysis Date: 4/3/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	120	135	µg/L	108	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	103.0	60 - 130
Dibromofluoromethane	110.0	60 - 130
Toluene-d8	105.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	129	µg/L	103	0.0	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	103.0	60 - 130
Dibromofluoromethane	111.0	60 - 130
Toluene-d8	104.0	60 - 130

Entech Analytical Labs, Inc.

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Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WD070403A

Validated by: ECunniffe - 04/05/07

QC/Prep Date: 4/3/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
n-Hexacosane	87.0	50 - 150		

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WD070403A

Reviewed by: ECunniffe - 04/05/07

QC/Prep Date: 4/3/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	799	µg/L	79.9	40 - 138
TPH as Motor Oil	<200	1000	970	µg/L	97.0	40 - 138
Surrogate	% Recovery	Control Limits				
n-Hexacosane	83.3	50 - 150				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	841	µg/L	84.1	5.2	25.0	40 - 138
TPH as Motor Oil	<200	1000	1080	µg/L	108	10	25.0	40 - 138
Surrogate	% Recovery	Control Limits						
n-Hexacosane	86.2	50 - 150						

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

QC Batch ID: WM070405

Reviewed by: DQueja - 04/05/07

QC/Prep Date: 4/5/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Antimony	<0.010	0.50	0.504	mg/L	101	75 - 125
Arsenic	<0.010	0.50	0.477	mg/L	95.4	75 - 125
Barium	<0.0050	0.50	0.485	mg/L	96.9	75 - 125
Beryllium	<0.0050	0.50	0.477	mg/L	95.5	75 - 125
Cadmium	<0.0020	0.50	0.481	mg/L	96.3	75 - 125
Chromium	<0.0050	0.50	0.480	mg/L	95.9	75 - 125
Cobalt	<0.0050	0.50	0.491	mg/L	98.2	75 - 125
Copper	<0.0050	0.50	0.489	mg/L	97.8	75 - 125
Lead	<0.0050	0.50	0.502	mg/L	100	75 - 125
Manganese	<0.0020	0.50	0.500	mg/L	100	75 - 125
Molybdenum	<0.0050	0.50	0.499	mg/L	99.8	75 - 125
Nickel	<0.0050	0.50	0.491	mg/L	98.2	75 - 125
Selenium	<0.020	0.50	0.453	mg/L	90.6	75 - 125
Silver	<0.0050	0.50	0.492	mg/L	98.4	75 - 125
Thallium	<0.020	0.50	0.470	mg/L	93.9	75 - 125
Tin	<0.050	1.0	1.00	mg/L	100	75 - 125
Titanium	<0.0020	0.50	0.495	mg/L	99.0	75 - 125
Vanadium	<0.0050	0.50	0.493	mg/L	98.6	75 - 125
Zinc	<0.010	0.50	0.483	mg/L	96.6	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Antimony	<0.010	0.50	0.499	mg/L	99.7	0.98	25.0	75 - 125
Arsenic	<0.010	0.50	0.488	mg/L	97.5	2.2	25.0	75 - 125
Barium	<0.0050	0.50	0.496	mg/L	99.3	2.4	25.0	75 - 125
Beryllium	<0.0050	0.50	0.482	mg/L	96.4	1.0	25.0	75 - 125
Cadmium	<0.0020	0.50	0.485	mg/L	97.1	0.83	25.0	75 - 125
Chromium	<0.0050	0.50	0.486	mg/L	97.3	1.4	25.0	75 - 125
Cobalt	<0.0050	0.50	0.496	mg/L	99.2	0.95	25.0	75 - 125
Copper	<0.0050	0.50	0.499	mg/L	99.7	2.0	25.0	75 - 125
Lead	<0.0050	0.50	0.503	mg/L	101	0.34	25.0	75 - 125
Manganese	<0.0020	0.50	0.505	mg/L	101	1.1	25.0	75 - 125
Molybdenum	<0.0050	0.50	0.500	mg/L	100	0.24	25.0	75 - 125
Nickel	<0.0050	0.50	0.491	mg/L	98.2	0.0	25.0	75 - 125
Selenium	<0.020	0.50	0.444	mg/L	88.7	2.1	25.0	75 - 125
Silver	<0.0050	0.50	0.496	mg/L	99.2	0.81	25.0	75 - 125
Thallium	<0.020	0.50	0.469	mg/L	93.8	0.13	25.0	75 - 125
Tin	<0.050	1.0	0.999	mg/L	99.9	0.33	25.0	75 - 125
Titanium	<0.0020	0.50	0.503	mg/L	101	1.6	25.0	75 - 125
Vanadium	<0.0050	0.50	0.501	mg/L	100	1.6	25.0	75 - 125
Zinc	<0.010	0.50	0.487	mg/L	97.5	0.91	25.0	75 - 125

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

ELAP No. 2346

Attention to: <i>Mitch Hejira</i>	Phone No.: <i>(408) 971-6758</i>	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: <i>Sierra Environmental</i>	Fax No.: <i>(408) 971-6759</i>	Project No. / Name: <i>07-137.00 Graffenstatter New Performance</i>	Company:	
Mailing Address: <i>980 W. Taylor St.</i>	Email Address: <i>maz.sierra@shglobal.net</i>	Billing Address: (If Different)		
City: <i>San Jose</i>	State: <i>CA</i>	Zip Code: <i>95126</i>	Project Location: <i>186 E. Lewelling Blvd. Ethrow</i>	City: State: Zip:

Entech Order ID: <i>54766</i>	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 10 Day	Circle Applicable
EDF <input checked="" type="checkbox"/>	Global ID: <i>T0600100961</i>	

Sample Information				Entech Lab. No.	Matrix	No. of Containers	Circle Applicable										Remarks Instructions			
Client ID	Field Point	Date	Time				EPA 8260B Full List	8260 BSL/MBE/EDB/TBA/TAME/DPE-1,2-DCA, EDB + Ethrow	EPA 8270 Base/Neutral/Acid Organics	8270 Full List	PAHs Only	PAHs - SIM	Pesticides - 8081	TPH Extractable: Diesel w/ Sp-Gr Cleanup	TPH Gas: BTEX	Motor Oil: Other		PCBs - 8082	EPA 8015/8021B	Metals - Circle Below Total Dissolved
MW-1		4/2/07		001	W	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MW-2		X		002	X	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MW-3		X		003	X	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Relinquished by: <i>[Signature]</i>	Received by: <i>J. Medeiros</i>	Date: <i>4/2/07</i>	Time: <i>1240</i>	Lab Use: <i>2 Lit Ambers each NIP 1 250ml poly each (HNO3) 3 vials each (HCL)</i>
Relinquished by:	Received by:	Date:	Time:	
Relinquished by:	Received by:	Date:	Time:	Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Ti, Sn, Tl, Zn, V <input type="checkbox"/> Plating <input type="checkbox"/> LUFT-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PPM-13 <input type="checkbox"/> CAM-17

Lab Use: Samples: Iced Y/N Temperature: _____ Shipment Method: _____
 Appropriate Containers/Preservatives: Y/N Custody Seals? Y/N
 Labels match CoC? Y/N Headspace? Y/N Separate Receipt Log Y/N

If any N's, Explain:

Appendix D
PARTIAL EDR REPORTS



The EDR Radius Map with GeoCheck®

**186 E. Lewelling Boulevard
186 E. Lewelling Boulevard
San Lorenzo, CA 94580**

Inquiry Number: 1779744.2s

October 20, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

186 E. LEWELLING BOULEVARD
SAN LORENZO, CA 94580

COORDINATES

Latitude (North): 37.686700 - 37° 41' 12.1"
Longitude (West): 122.119600 - 122° 7' 10.6"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 577627.2
UTM Y (Meters): 4171214.2
Elevation: 47 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37122-F1 HAYWARD, CA
Most Recent Revision: 1980

West Map: 37122-F2 SAN LEANDRO, CA
Most Recent Revision: 1980

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
NEW PERFORMANCE AUTO 186 E LEWELLING BLVD SAN LORENZO, CA 94580	HAZNET	N/A
NEW PERFORMANCE 186 LEWELLING BLVD E SAN LORENZO, CA 94580	LUST Facility Status: Preliminary site assessment underway Cortese CS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
CA WDS	Waste Discharge System
WMUDS/SWAT	Waste Management Unit Database
SWRCY	Recycler Database
CA FID UST	Facility Inventory Database
AST	Aboveground Petroleum Storage Tank Facilities
CHMIRS	California Hazardous Material Incident Report System

EXECUTIVE SUMMARY

DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties
CLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
CDL	Clandestine Drug Labs
RESPONSE	State Response Sites
EMI	Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants ...	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MIKES AUTO CLINIC</i>	<i>2 LEWELLING BLVD</i>	<i>1/8 - 1/4 W</i>	<i>4</i>	<i>10</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>OMS #35</i>	<i>16501 ASHLAND AVE</i>	<i>1/8 - 1/4 N</i>	<i>B6</i>	<i>12</i>

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 9 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BEACON 3721 (FORMER)	44 LEWELLING BLVD	1/8 - 1/4 W	C17	22
JOCSON AUTO ELECTRIC	17771 MEEKLAND AVE	1/4 - 1/2 SE	22	32
PLANTS UNLIMITED	16450 KENT AVE	1/4 - 1/2 NE	E24	36
UNOCAL	376 LEWELLING BLVD	1/4 - 1/2 W	F25	39
DON DEL COMPANY	15636 40 USHER ST	1/4 - 1/2 W	F27	44
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KAWAHARA NURSERY	16550 ASHLAND AVE	0 - 1/8 NNE	3	8
OMS #35	16501 ASHLAND AVE	1/8 - 1/4 N	B6	12
SOUTHLAND CORP	100 LEWELLING BLVD	1/4 - 1/2 W	19	26
SAN LORENZO VILLAGE HOMES ASSN	427 PASEO GRANDE	1/4 - 1/2 SSW	23	34

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/11/2006 has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BEACON 3721 (FORMER) Facility Status: Remedial action (cleanup) Underway	44 LEWELLING BLVD	1/8 - 1/4 W	C17	22
EBMUD SOUTH AREA SERVICE CENTE	589 E. LEWELLING BLVD.	1/4 - 1/2 E	D20	28
JOCSON AUTO ELECTRIC Facility Status: Preliminary site assessment underway	17771 MEEKLAND AVE	1/4 - 1/2 SE	22	32
PLANTS UNLIMITED Facility Status: Case Closed	16450 KENT AVE	1/4 - 1/2 NE	E24	36
UNOCAL Facility Status: Pollution Characterization	376 LEWELLING BLVD	1/4 - 1/2 W	F25	39
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KAWAHARA NURSERY Facility Status: Preliminary site assessment underway	16550 ASHLAND AVE	0 - 1/8 NNE	3	8
CALIFORNIA NATL GUARD FACILITY Facility Status: Case Closed	16501 ASHLAND AVE	1/8 - 1/4 N	B10	17
SOUTHLAND CORP Facility Status: Case Closed	100 LEWELLING BLVD	1/4 - 1/2 W	19	26
SAN LORENZO VILLAGE HOMES ASSN Facility Status: Case Closed	427 PASEO GRANDE	1/4 - 1/2 SSW	23	34

EXECUTIVE SUMMARY

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 07/11/2006 has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KENT GARDENS	16438 KENT AVENUE	1/4 - 1/2 NE	E26	43

Alameda CS: A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

A review of the CS list, as provided by EDR, and dated 08/08/2006 has revealed that there are 9 CS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BEACON 3721 (FORMER)	44 LEWELLING BLVD	1/8 - 1/4 W	C17	22
EBMUD-SOUTH AREA SERVICE CNTR	589 E LEWELLING BLVD	1/4 - 1/2 E	D21	30
JOCSON AUTO ELECTRIC	17771 MEEKLAND AVE	1/4 - 1/2 SE	22	32
PLANTS UNLIMITED	16450 KENT AVE	1/4 - 1/2 NE	E24	36
UNOCAL	376 LEWELLING BLVD	1/4 - 1/2 W	F25	39
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KAWAHARA NURSERY	16550 ASHLAND AVE	0 - 1/8 NNE	3	8
CALIFORNIA NATL GUARD FACILITY	16501 ASHLAND AVE	1/8 - 1/4 N	B10	17
SOUTHLAND CORP	100 LEWELLING BLVD	1/4 - 1/2 W	19	26
SAN LORENZO VILLAGE HOMES ASSN	427 PASEO GRANDE	1/4 - 1/2 SSW	23	34

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/11/2006 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BEACON 3721	44 LEWELLING BLVD.	1/8 - 1/4 W	C14	21
VALERO	44 LEWELLING BLVD	1/8 - 1/4 W	C16	22
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ORGANIZATIONAL SHOP 35	16501 ASHLAND AVE.	1/8 - 1/4 N	B5	12
CALIFORNIA ARMY NATIONAL GUARD	16501 ASHLAND AVE	1/8 - 1/4 N	B11	18
GEAR WORKS	16446 AHSLAND AVE.	1/8 - 1/4 N	18	25

EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 6 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VERN'S SERVICE OF SAN LORENZO	18L LEWELLING BLVD	1/8 - 1/4W	13	19
ECONO	44 LEWELLING BLVD	1/8 - 1/4W	C15	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAN LORENZO SATELLITE SUPPORT	16501 ASHLAND AVE	1/8 - 1/4N	B7	14
SAN LORENZO OMS #35	16501 ASHLAND AVE	1/8 - 1/4N	B8	15
CALIFORNIA MILITARY DEPT	16501 ASHLAND AVE	1/8 - 1/4N	B9	15
LANGENDORF	16496 ASHLAND AVE	1/8 - 1/4N	B12	19

SWEEPS: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BEACON 3721 (FORMER)	44 LEWELLING BLVD	1/8 - 1/4W	C17	22
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KAWAHARA NURSERY	16550 ASHLAND AVE	0 - 1/8 NNE	3	8
CALIFORNIA MILITARY DEPT	16501 ASHLAND AVE	1/8 - 1/4N	B9	15
LANGENDORF	16496 ASHLAND AVE	1/8 - 1/4N	B12	19
GEAR WORKS	16446 ASHLAND AVE.	1/8 - 1/4N	18	25

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 4 Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FOUR STAR LUMBER CO	15444 HESPERIAN BOULEVA	1/2 - 1 WNW	30	46
CALTRANS MAINTENANCE YARD	600 LEWELLING BOULEVARD	1/2 - 1 W	31	46
NONE	19984 MEEKLAND	1/2 - 1 SE	32	46
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNOCAL SERVICE STATION #6277	15803 EAST 14TH STREET	1/2 - 1 N	33	47

EXECUTIVE SUMMARY

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/29/2006 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

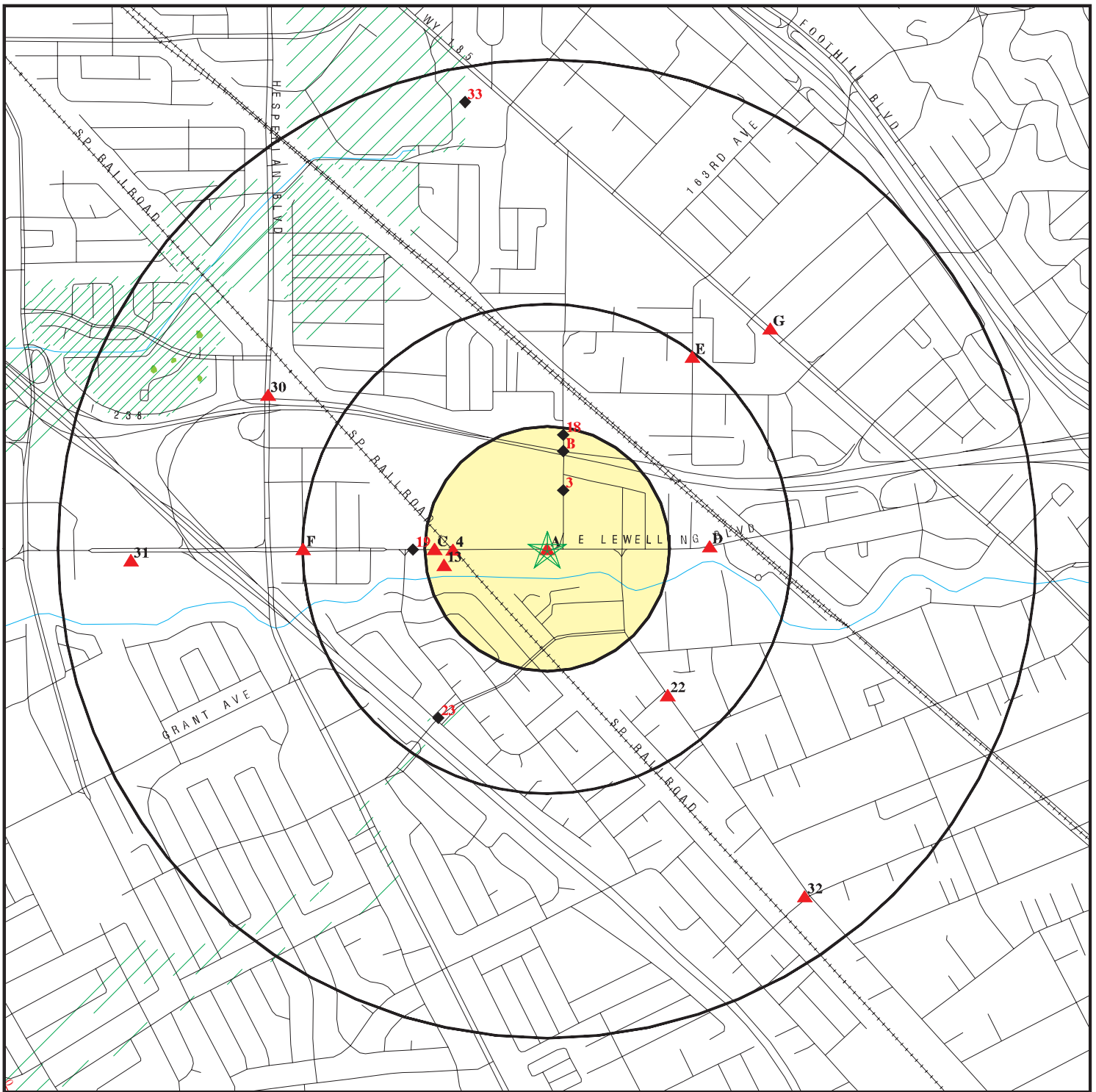
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
EAST 14TH STREET AUTO WRECKERS Facility Status: Refer: Other Agency	16552 EAST 14TH STREET	1/2 - 1 NE	G28	44
EAST 14TH STREET AUTOWRECKERS Facility Status: No Further Action	16552 EAST 14TH ST	1/2 - 1 NE	G29	45

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
VERN'S SERVICE OF SAN LORENZO	SWEEPS UST
EDEN ROCK PROPS	CERC-NFRAP
ARDEN ROAD PROPERTY	CERC-NFRAP
BAY CITIES RUBBISH DSPL CO	CERC-NFRAP
PG&E GAS PLANT SAN LEANDRO	CERC-NFRAP
BURBANK E.S./HAYWARD JOINT USE PARK	SCH, ENVIROSTOR

OVERVIEW MAP - 1779744.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

⚡ Power transmission lines

⚡ Oil & Gas pipelines

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

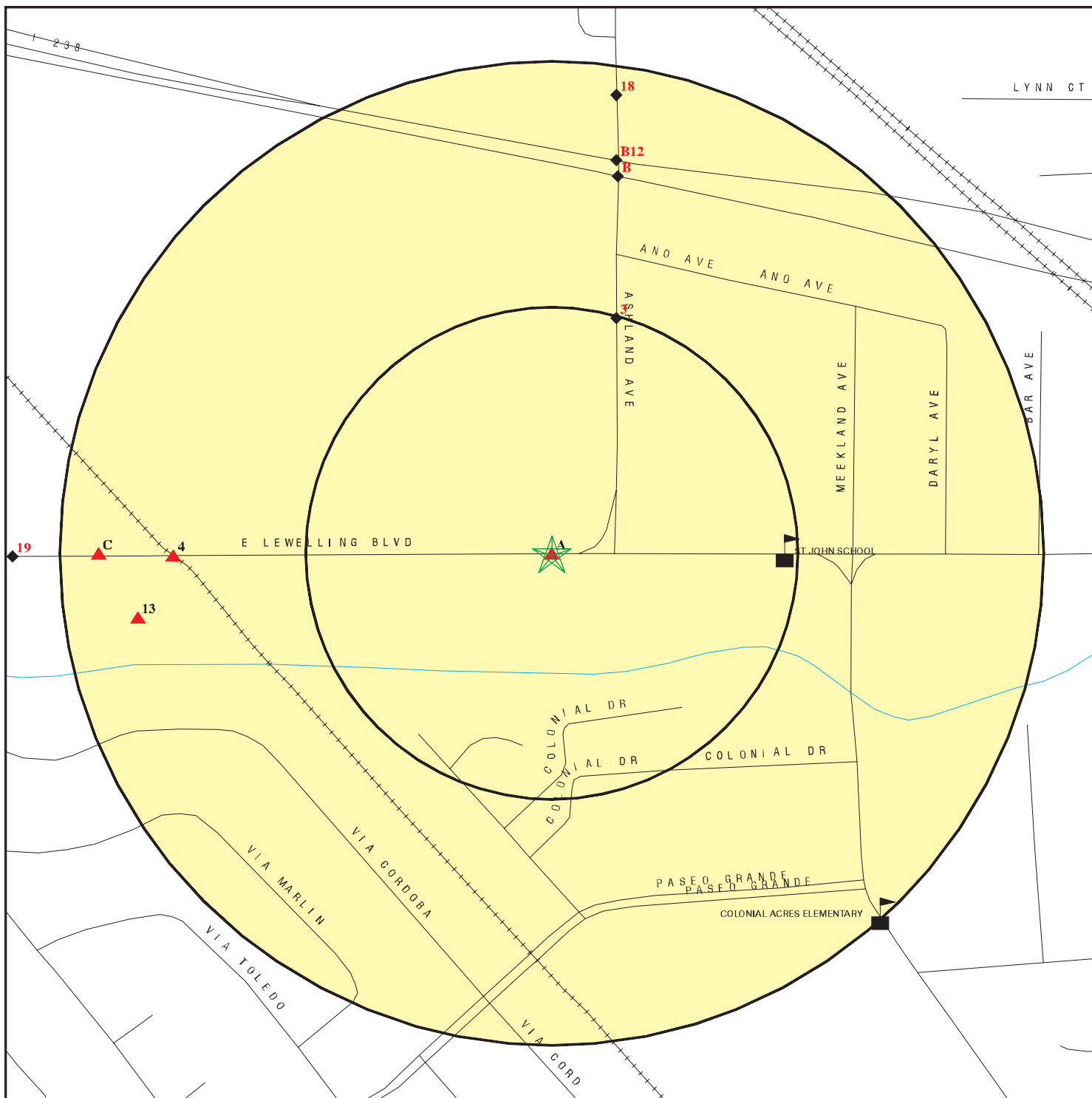


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 186 E. Lewelling Boulevard
 ADDRESS: 186 E. Lewelling Boulevard
 San Lorenzo CA 94580
 LAT/LONG: 37.6867 / 122.1196

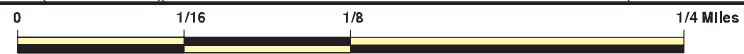
CLIENT: Sierra Environmental Inc.
 CONTACT: Mike Hagi
 INQUIRY #: 1779744.2s
 DATE: October 20, 2006 2:23 pm

DETAIL MAP - 1779744.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🗑 Landfill Sites
- 🏢 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🛢 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🔴 Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: 186 E. Lewelling Boulevard ADDRESS: 186 E. Lewelling Boulevard San Lorenzo CA 94580 LAT/LONG: 37.6867 / 122.1196</p>	<p>CLIENT: Sierra Environmental Inc. CONTACT: Mike Hagi INQUIRY #: 1779744.2s DATE: October 20, 2006 2:23 pm</p>
--	---

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	2	NR	NR	NR	2
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
Hist Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese	X	0.500	1	2	6	NR	NR	9
SWRCY		0.500	0	0	0	NR	NR	0
LUST	X	0.500	1	2	6	NR	NR	9
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	1	NR	NR	1
CS	X	0.500	1	2	6	NR	NR	9
UST		0.250	0	5	NR	NR	NR	5

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST		0.250	0	6	NR	NR	NR	6
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	1	4	NR	NR	NR	5
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	4	NR	4
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	2	NR	2
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A1 **NEW PERFORMANCE AUTO**
Target **186 E LEWELLING BLVD**
Property **SAN LORENZO, CA 94580**

HAZNET **S102434335**
N/A

Site 1 of 2 in cluster A

Actual:
47 ft.

HAZNET:
 Gepaid: CAL912212853
 Contact: STEVE LIEM
 Telephone: 4153170836
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 186 E LEWELLING BLVD
 Mailing City,St,Zip: SAN LORENZO, CA 945801734
 Gen County: 1
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Aqueous solution with less than 10% total organic residues
 Disposal Method: Not reported
 Tons: .2085
 Facility County: 1

Gepaid: CAL912212853
 Contact: STEVE LIEM
 Telephone: 4153170836
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 186 E LEWELLING BLVD
 Mailing City,St,Zip: SAN LORENZO, CA 945801734
 Gen County: 1
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Aqueous solution with less than 10% total organic residues
 Disposal Method: Transfer Station
 Tons: .2502
 Facility County: 1

A2 **NEW PERFORMANCE**
Target **186 LEWELLING BLVD E**
Property **SAN LORENZO, CA 94580**

LUST **S102434336**
Cortese **N/A**
CS

Site 2 of 2 in cluster A

Actual:
47 ft.

LUST:
 Region: STATE
 Case Type: Soil only
 Cross Street: Not reported
 Enf Type: EF
 Funding: Federal
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0600100961
 Stop Date: 1990-09-05 00:00:00
 Confirm Leak: 1991-11-15 00:00:00
 Workplan: 1991-03-26 00:00:00
 Prelim Assess: 1965-01-02 00:00:00
 Pollution Char: Not reported
 Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NEW PERFORMANCE (Continued)

S102434336

Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1990-09-05 00:00:00
Enforcement Dt: 1991-11-15 00:00:00
Release Date: 1990-09-05 00:00:00
Review Date: 1998-02-24 00:00:00
Enter Date: 1991-04-26 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 01
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Preliminary site assessment underway
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: AG
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 1709
Case Number: 01-1041
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Operator: Not reported
Water System Name:Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LOP UPDATE--10/21/93

LUST:

Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-1041
Case Number: 1709
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 11/15/1991

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

NEW PERFORMANCE (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S102434336

Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 3/26/1991
 Preliminary Site Assessment Began: 1/2/1965
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

Cortese:
 Region: CORTESE
 Facility Addr2: 186 E Lewelling Blvd

CS:
 Record Id: RO0000013
 PE: 5602
 Status: Pollution Characterization

**3
 NNE
 < 1/8
 655 ft.**

**KAWAHARA NURSERY
 16550 ASHLAND AVE
 SAN LORENZO, CA 94580**

**LUST S102432131
 Cortese N/A
 CS
 SWEEPS UST**

**Relative:
 Lower
 Actual:
 43 ft.**

LUST:
 Region: STATE
 Case Type: Undefined
 Cross Street: Not reported
 Enf Type: EF
 Funding: Federal
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0600101605
 Stop Date: 1992-12-21 00:00:00
 Confirm Leak: 1993-02-03 00:00:00
 Workplan: Not reported
 Prelim Assess: 1965-01-02 00:00:00
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Discover Date: 1992-12-21 00:00:00
 Enforcement Dt: 1993-02-03 00:00:00
 Release Date: 1992-12-21 00:00:00
 Review Date: 1998-06-19 00:00:00
 Enter Date: 1993-02-16 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 01
 Org Name: Not reported
 Reg Board: San Francisco Bay Region
 Status: Preliminary site assessment underway
 Chemical: Diesel

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

KAWAHARA NURSERY (Continued)

S102432131

Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: No
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: AG
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 4403
Case Number: 01-1734
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: URF 1/93;LOP UPDATE--10/21/93

LUST:

Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-1734
Case Number: 4403
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 2/3/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/2/1965
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 16550 Ashland Ave

CS:

Record Id: RO0000291
PE: 5602
Status: Pollution Characterization

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KAWAHARA NURSERY (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102432131

SWEEPS UST:

Status: Not reported
Comp Number: 51606
Number: Not reported
Board Of Equalization: 44-034771
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-051606-000001
Actv Date: Not reported
Capacity: 5000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 1

4
West
1/8-1/4
1014 ft.

MIKES AUTO CLINIC
2 LEWELLING BLVD
SAN LORENZO, CA 94580

RCRA-SQG 1000220401
FINDS CAD982318529
HAZNET

Relative:
Equal

RCRAInfo:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD982318529
Contact: Not reported
Classification: Small Quantity Generator
TSDf Activities: Not reported
Violation Status: No violations found

Actual:
47 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD982318529
Contact: MIKE COLLINS
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2 LEWELLING BLVD
Mailing City,St,Zip: SAN LORENZO, CA 945800000

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MIKES AUTO CLINIC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000220401

Gen County: 1
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: .4587
Facility County: 1

Gepaid: CAD982318529
Contact: MIKE COLLINS
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2 LEWELLING BLVD
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAL000161743
TSD County: Santa Clara
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: .2000
Facility County: 1

Gepaid: CAD982318529
Contact: MIKE COLLINS
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2 LEWELLING BLVD
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .3544
Facility County: 1

Gepaid: CAD982318529
Contact: MIKE COLLINS
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2 LEWELLING BLVD
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAT080011059
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .2293
Facility County: 1

Gepaid: CAD982318529
Contact: JAMES COLLINS/OWNER
Telephone: 5103577881
Facility Addr2: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MIKES AUTO CLINIC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Mailing Name: Not reported
 Mailing Address: 2 LEWELLING BLVD
 Mailing City, St, Zip: SAN LORENZO, CA 945800000
 Gen County: Alameda
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Transfer Station
 Tons: 0.2
 Facility County: Not reported

1000220401

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

B5
 North
 1/8-1/4
 1020 ft.

ORGANIZATIONAL SHOP 35
16501 ASHLAND AVE.
SAN LORENZO, CA 94580

UST U003776449
N/A

Site 1 of 8 in cluster B

Relative:
Lower

UST:
 Region: STATE
 Local Agency: 01000L
 Facility ID: 01-000-037554

Actual:
39 ft.

Region: STATE
 Local Agency: 01000L
 Facility ID: 01-000-037554

B6
 North
 1/8-1/4
 1020 ft.

OMS #35
16501 ASHLAND AVE
SAN LORENZO, CA 94580

RCRA-SQG 1000100277
FINDS CAD981369085
HAZNET
Cortese

Site 2 of 8 in cluster B

Relative:
Lower

RCRAInfo:
 Owner: CALIFORNIA ARMY NATL GUARD
 (415) 555-1212
 EPA ID: CAD981369085
 Contact: ENVIRONMENTAL MANAGER
 (916) 920-6505

Actual:
39 ft.

Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

OMS #35 (Continued)

1000100277

notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981369085
Contact: CALIFORNIA MILITARY DEPT
Telephone: 9168543651
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16501 ASHLAND AVE
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: .1215
Facility County: 1

Gepaid: CAD981369085
Contact: CALIFORNIA MILITARY DEPT
Telephone: 9168543651
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16501 ASHLAND AVE
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Empty containers less than 30 gallons
Disposal Method: Disposal, Land Fill
Tons: .0625
Facility County: 1

Gepaid: CAD981369085
Contact: CALIFORNIA MILITARY DEPT
Telephone: 9168543651
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16501 ASHLAND AVE
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: .0475
Facility County: 1

Gepaid: CAD981369085
Contact: CALIFORNIA MILITARY DEPT
Telephone: 9168543651
Facility Addr2: Not reported
Mailing Name: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

OMS #35 (Continued)

1000100277

Mailing Address: 16501 ASHLAND AVE
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Empty containers less than 30 gallons
Disposal Method: Not reported
Tons: .1260
Facility County: 1

Gepaid: CAD981369085
Contact: CALIFORNIA MILITARY DEPT
Telephone: 9168543651
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16501 ASHLAND AVE
Mailing City,St,Zip: SAN LORENZO, CA 945800000
Gen County: 1
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Tons: .0175
Facility County: 1

[Click this hyperlink](#) while viewing on your computer to access
52 additional CA_HAZNET: record(s) in the EDR Site Report.

Cortese:
Region: CORTESE
Facility Addr2: Not reported

B7 **SAN LORENZO SATELLITE SUPPORT**
North **16501 ASHLAND AVE**
1/8-1/4 **SAN LORENZO, CA 94580**
1020 ft.

HIST UST **U001598563**
N/A

Relative:
Lower

Site 3 of 8 in cluster B

Actual:
39 ft.

HIST UST:
Region: STATE
Facility ID: 00000057599
Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00002000
Facility Type: Other
Other Type: MILITARY
Total Tanks: 0001
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None
Contact Name: Not reported
Telephone: 4152784353
Owner Name: STATE MILITARY DEPARTMENT
Owner Address: 2829 WATT AVE.
Owner City,St,Zip: SACRAMENTO, CA 95821

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B8
North
1/8-1/4
1020 ft.

SAN LORENZO OMS #35
16501 ASHLAND AVE
SAN LORENZO, CA 94580

HIST UST **U001598561**
 N/A

Site 4 of 8 in cluster B

Relative:
Lower

HIST UST:
 Region: STATE
 Facility ID: 00000037554
 Tank Num: 001
 Container Num: 02
 Year Installed: Not reported
 Tank Capacity: 00002000
 Facility Type: Other
 Other Type: MAINT SHOP
 Total Tanks: 0001
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: None
 Contact Name: Not reported
 Telephone: 4152784353
 Owner Name: STATE MILITARY DEPT.
 Owner Address: 2829 WATT AVE
 Owner City,St,Zip: SACRAMENTO, CA 95821

Actual:
39 ft.

Region: STATE
 Facility ID: 00000037554
 Tank Num: 002
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Facility Type: Other
 Other Type: MAINT SHOP
 Total Tanks: 0001
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: None
 Contact Name: Not reported
 Telephone: 4152784353
 Owner Name: STATE MILITARY DEPT.
 Owner Address: 2829 WATT AVE
 Owner City,St,Zip: SACRAMENTO, CA 95821

B9
North
1/8-1/4
1020 ft.

CALIFORNIA MILITARY DEPT
16501 ASHLAND AVE
SAN LORENZO, CA 94580

HIST UST **U001598562**
SWEEPS UST **N/A**

Site 5 of 8 in cluster B

Relative:
Lower

HIST UST:
 Region: STATE
 Facility ID: 00000037530
 Tank Num: 001
 Container Num: 01
 Year Installed: Not reported
 Tank Capacity: 00002000
 Facility Type: Other
 Other Type: Not reported

Actual:
39 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CALIFORNIA MILITARY DEPT (Continued)

U001598562

Total Tanks: 0000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None
Contact Name: Not reported
Telephone: 4152784353
Owner Name: STATE MILITARY DEPARTMENT
Owner Address: 2829 WATT AVE
Owner City,St,Zip: SACRAMENTO, CA 95821

Region: STATE
Facility ID: 00000037530
Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Facility Type: Other
Other Type: Not reported
Total Tanks: 0000
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None
Contact Name: Not reported
Telephone: 4152784353
Owner Name: STATE MILITARY DEPARTMENT
Owner Address: 2829 WATT AVE
Owner City,St,Zip: SACRAMENTO, CA 95821

SWEEPS UST:

Status: Not reported
Comp Number: 37554
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-037554-000001
Actv Date: Not reported
Capacity: 2000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B10 CALIFORNIA NATL GUARD FACILITY
North 16501 ASHLAND AVE
1/8-1/4 SAN LORENZO, CA 94580
1020 ft.

LUST S102509587
CS N/A

Site 6 of 8 in cluster B

Relative:
Lower

LUST:

Actual:
39 ft.

Region: STATE
 Case Type: Undefined
 Cross Street: Not reported
 Enf Type: EF
 Funding: Federal
 How Discovered: OM
 How Stopped: Not reported
 Leak Cause: Corrosion
 Leak Source: Piping
 Global Id: T0600101009
 Stop Date: 1989-12-01 00:00:00
 Confirm Leak: 1992-10-08 00:00:00
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1997-08-11 00:00:00
 Discover Date: 1989-12-01 00:00:00
 Enforcement Dt: 1992-10-08 00:00:00
 Release Date: 1989-12-01 00:00:00
 Review Date: 1997-08-20 00:00:00
 Enter Date: 1990-03-28 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 01
 Org Name: Not reported
 Reg Board: San Francisco Bay Region
 Status: Case Closed
 Chemical: Gasoline
 Contact Person: Not reported
 Responsible Party: BLANK RP
 RP Address: Not reported
 Interim: No
 Oversight Prgm: LUST
 MTBE Class: *
 MTBE Conc: 0
 MTBE Fuel: 1
 MTBE Tested: Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
 Staff: Not reported
 Staff Initials: AG
 Lead Agency: Local Agency
 Local Agency: 01000L
 Hydr Basin #: Alameda East Bay (2-
 Beneficial: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Work Suspended: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CALIFORNIA NATL GUARD FACILITY (Continued)

S102509587

Local Case #: 2690
Case Number: 01-1095
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: URF ONLY,PIPE LEAK, PIPE UPGRADE 12/89;REMEDIATION WRKPLN REQ. REQ. CASE CLOSURE
3/28/97..CASE CLOSED+

LUST:

Region: 2
Facility Status: Case Closed
Facility Id: 01-1095
Case Number: 2690
How Discovered: OM
Leak Cause: Corrosion
Leak Source: Piping
Date Leak Confirmed: 10/8/1992
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CS:

Record Id: RO0000641
PE: 5602
Status: Case Closed

**B11
North
1/8-1/4
1027 ft.**

**CALIFORNIA ARMY NATIONAL GUARD MAIN
16501 ASHLAND AVE
SAN LORENZO, CA 94580**

**UST U003986447
N/A**

Site 7 of 8 in cluster B

**Relative:
Lower**

UST:

**Actual:
39 ft.**

Region: ALAMEDA
Facility Status: Active
Description: UST - 1
Inspection Date: 11/22/2006
Owner Name: STATE MILITARY DEPARTMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B12
North
1/8-1/4
1069 ft.

LANGENDORF
16496 ASHLAND AVE
SAN LORENZO, CA 94580

HIST UST **U001598553**
SWEEPS UST **N/A**

Site 8 of 8 in cluster B

Relative:
Lower

HIST UST:
 Region: STATE
 Facility ID: 00000009856
 Tank Num: 001
 Container Num: 01
 Year Installed: Not reported
 Tank Capacity: 00008000
 Facility Type: Other
 Other Type: BAKERY
 Total Tanks: 0001
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor
 Contact Name: MANUEL LIMA
 Telephone: 4152760926
 Owner Name: AMERICAN BAKERIES COMPANY - LA
 Owner Address: 1695 SOUTH 7TH STREET
 Owner City,St,Zip: SAN JOSE, CA 95112

Actual:
41 ft.

SWEEPS UST:

Status: Not reported
 Comp Number: 9856
 Number: Not reported
 Board Of Equalization: Not reported
 Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 01-000-009856-000001
 Actv Date: Not reported
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: 1

13
West
1/8-1/4
1123 ft.

VERN'S SERVICE OF SAN LORENZO
18L LEWELLING BLVD
SAN LORENZO, CA 94580

HIST UST **U001598568**
N/A

Relative:
Equal

HIST UST:
 Region: STATE
 Facility ID: 00000010780
 Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00004000
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0003

Actual:
47 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

VERN'S SERVICE OF SAN LORENZO (Continued)

U001598568

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: None
Contact Name: VERNON L. MAYER
Telephone: 4154812274
Owner Name: CARL J. GRAFFNSDATTE
Owner Address: 1850 SAN LEANDRO BL
Owner City,St,Zip: SAN LEANDRO, CA 94577

Region: STATE
Facility ID: 00000010780
Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None
Contact Name: VERNON L. MAYER
Telephone: 4154812274
Owner Name: CARL J. GRAFFNSDATTE
Owner Address: 1850 SAN LEANDRO BL
Owner City,St,Zip: SAN LEANDRO, CA 94577

Region: STATE
Facility ID: 00000010780
Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00004000
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None
Contact Name: VERNON L. MAYER
Telephone: 4154812274
Owner Name: CARL J. GRAFFNSDATTE
Owner Address: 1850 SAN LEANDRO BL
Owner City,St,Zip: SAN LEANDRO, CA 94577

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C14
West
1/8-1/4
1212 ft.

BEACON 3721
44 LEWELLING BLVD.
SAN LORENZO, CA 94580

UST **U003776440**
 N/A

Site 1 of 4 in cluster C

Relative:
Equal

UST:

Actual:
47 ft.

Region: STATE
 Local Agency: 01000L
 Facility ID: 01-000-011103

Region: STATE
 Local Agency: 01000L
 Facility ID: 01-000-011103

C15
West
1/8-1/4
1212 ft.

ECONO
44 LEWELLING BLVD
SAN LORENZO, CA 94580

HIST UST **U001598550**
 N/A

Site 2 of 4 in cluster C

Relative:
Equal

HIST UST:

Actual:
47 ft.

Region: STATE
 Facility ID: 00000011103
 Tank Num: 001
 Container Num: 1
 Year Installed: 1962
 Tank Capacity: 00010000
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0003
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test
 Contact Name: Not reported
 Telephone: 4152769886
 Owner Name: KAYO OIL COMPANY
 Owner Address: 1221 E. MAIN STREET
 Owner City,St,Zip: CHATTANOOGA, TN 37408

Region: STATE
 Facility ID: 00000011103
 Tank Num: 002
 Container Num: 2
 Year Installed: 1962
 Tank Capacity: 00010000
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0003
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test
 Contact Name: Not reported
 Telephone: 4152769886
 Owner Name: KAYO OIL COMPANY
 Owner Address: 1221 E. MAIN STREET
 Owner City,St,Zip: CHATTANOOGA, TN 37408

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ECONO (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001598550

Region: STATE
Facility ID: 00000011103
Tank Num: 003
Container Num: 3
Year Installed: 1962
Tank Capacity: 00007500
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor, Pressure Test
Contact Name: Not reported
Telephone: 4152769886
Owner Name: KAYO OIL COMPANY
Owner Address: 1221 E. MAIN STREET
Owner City,St,Zip: CHATTANOOGA, TN 37408

C16
West
1/8-1/4
1212 ft.

VALERO
44 LEWELLING BLVD
SAN LORENZO, CA

UST U004014053
N/A

Site 3 of 4 in cluster C

Relative:
Equal

UST:

Actual:
47 ft.

Region: ALAMEDA
Facility Status: Active
Description: UST - 3
Inspection Date: 3/31/2006
Owner Name: ABDULLA MOHAMED

C17
West
1/8-1/4
1212 ft.

BEACON 3721 (FORMER)
44 LEWELLING BLVD
SAN LORENZO, CA 94580

LUST S102439561
Cortese N/A
CS
SWEEPS UST

Site 4 of 4 in cluster C

Relative:
Equal

LUST:

Actual:
47 ft.

Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: EF
Funding: Federal
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Structure Failure
Leak Source: Tank
Global Id: T0600101414
Stop Date: 1987-05-11 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 1987-05-27 00:00:00
Pollution Char: 1988-12-02 00:00:00
Remed Plan: 1993-04-01 00:00:00
Remed Action: 1998-03-04 00:00:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEACON 3721 (FORMER) (Continued)

S102439561

Monitoring: Not reported
Close Date: Not reported
Discover Date: 1987-05-11 00:00:00
Enforcement Dt: 1988-07-06 00:00:00
Release Date: 1987-05-29 00:00:00
Review Date: 2001-06-19 00:00:00
Enter Date: 1990-08-29 00:00:00
MTBE Date: 1998-05-28 00:00:00
GW Qualifier: =
Soil Qualifier: =
Max MTBE GW ppb: 97000
Max MTBE Soil ppb: 13
County: 01
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Remedial action (cleanup) Underway
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST
MTBE Class: B
MTBE Conc: 3
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: JTW
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 1497
Case Number: 01-1531
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site,
Remove Free Product - remove floating product from water table, Pump and Treat
Ground Water - generally employed to remove dissolved contaminants, Vent Soil -
bore holes in soil to allow volatilization of contaminants
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Y,I,C., 0.04' FP 3/90 MW3;2/6QR; MAXGW=GASOLINE. CURRENT MTBE 2/26/01.

LUST:

Region: 2
Facility Status: Remedial action (cleanup) Underway
Facility Id: 01-1531
Case Number: 1497
How Discovered: Tank Closure
Leak Cause: Structure Failure

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEACON 3721 (FORMER) (Continued)

S102439561

Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/27/1987
Pollution Characterization Began: 12/2/1988
Pollution Remediation Plan Submitted: 4/1/1993
Date Remediation Action Underway: 3/4/1998
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 44 LEWELLING BLVD

CS:

Record Id: RO0000498
PE: 5602
Status: Remedial action (cleanup) Underway

SWEEPS UST:

Status: A
Comp Number: 11103
Number: 1
Board Of Equalization: 44-000165
Ref Date: 03-05-91
Act Date: 03-05-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-000-011103-000001
Actv Date: 03-05-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: 3

Status: A
Comp Number: 11103
Number: 1
Board Of Equalization: 44-000165
Ref Date: 03-05-91
Act Date: 03-05-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 01-000-011103-000002
Actv Date: 03-05-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 11103

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BEACON 3721 (FORMER) (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102439561

Number: 1
Board Of Equalization: 44-000165
Ref Date: 03-05-91
Act Date: 03-05-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 01-000-011103-000003
Actv Date: 03-05-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

18
North
1/8-1/4
1242 ft.

GEAR WORKS
16446 AHSLAND AVE.
SAN LORENZO, CA 94580

UST **U003776439**
SWEEPS UST **N/A**

Relative:
Lower

UST:
Region: STATE
Local Agency: 01000L
Facility ID: 01-000-008765

Actual:
42 ft.

UST:
Region: ALAMEDA
Facility Status: Closed or Inactive
Description: UST - 1
Inspection Date: Not reported
Owner Name: RICHARD TAYLOR

SWEEPS UST:

Status: A
Comp Number: 8765
Number: 2
Board Of Equalization: Not reported
Ref Date: 09-13-91
Act Date: 09-13-91
Created Date: 09-13-91
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-000-008765-000001
Actv Date: 09-13-91
Capacity: 5375
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: 1

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

19
West
1/4-1/2
1446 ft.

SOUTHLAND CORP
100 LEWELLING BLVD
SAN LORENZO, CA 94580

LUST
Cortese
CS
SWEEPS UST

S102437903
N/A

Relative:
Lower

LUST:

Actual:
45 ft.

Region: STATE
 Case Type: Undefined
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Federal
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0600101585
 Stop Date: 1992-06-29 00:00:00
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: 1993-07-10 00:00:00
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1994-03-31 00:00:00
 Discover Date: 1992-06-29 00:00:00
 Enforcement Dt: Not reported
 Release Date: 1992-06-29 00:00:00
 Review Date: 1996-08-19 00:00:00
 Enter Date: 1993-04-27 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 01
 Org Name: Not reported
 Reg Board: San Francisco Bay Region
 Status: Case Closed
 Chemical: Gasoline
 Contact Person: Not reported
 Responsible Party: BLANK RP
 RP Address: Not reported
 Interim: Yes
 Oversight Prgm: LUST
 MTBE Class: *
 MTBE Conc: 0
 MTBE Fuel: 1
 MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
 Staff: Not reported
 Staff Initials: AG
 Lead Agency: Local Agency
 Local Agency: 01000L
 Hydr Basin #: Alameda East Bay (2-
 Beneficial: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Work Suspended: No
 Local Case #: 4082

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SOUTHLAND CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102437903

Case Number: 01-1714
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site,
Excavate and Treat - remove contaminated soil and treat (includes spreading or
land farming)
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ARCHIVED 6/6/96 CONTROL NO 120-092 SRC 0904742

LUST:

Region: 2
Facility Status: Case Closed
Facility Id: 01-1714
Case Number: 4082
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 7/10/1993
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 100 LEWELLING BLVD

CS:

Record Id: RO0000974
PE: 5602
Status: Case Closed

SWEEPS UST:

Status: Not reported
Comp Number: 12430
Number: Not reported
Board Of Equalization: 44-000182
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-012430-000001
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SOUTHLAND CORP (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S102437903

Number Of Tanks: 3

Status: Not reported
 Comp Number: 12430
 Number: Not reported
 Board Of Equalization: 44-000182
 Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 01-000-012430-000002
 Actv Date: Not reported
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 12430
 Number: Not reported
 Board Of Equalization: 44-000182
 Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 01-000-012430-000003
 Actv Date: Not reported
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: Not reported

D20
East
1/4-1/2
1756 ft.

EBMUD SOUTH AREA SERVICE CENTER
589 E. LEWELLING BLVD.
SAN LORENZO, CA 94580

LUST S106717128
N/A

Site 1 of 2 in cluster D

Relative:
Equal

LUST:
 Region: STATE
 Case Type: Undefined
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: LOPF
 How Discovered: UM
 How Stopped: Remove Contents
 Leak Cause: UNK
 Leak Source: UNK
 Global Id: T0600190987
 Stop Date: Not reported
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: Not reported

Actual:
47 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

EBMUD SOUTH AREA SERVICE CENTER (Continued)

S106717128

Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 2004-05-05 00:00:00
Enforcement Dt: Not reported
Release Date: 2004-06-15 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 01
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Not reported
Chemical: Diesel
Contact Person: Not reported
Responsible Party: SUSAN SUZUKI
RP Address: 375 11TH ST.
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: Not reported
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0002735
Case Number: Not reported
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

D21 **EBMUD-SOUTH AREA SERVICE CNTR**
East **589 E LEWELLING BLVD**
1/4-1/2 **SAN LORENZO, CA 94580**
1756 ft.

HAZNET **U003138934**
EMI **N/A**
CS

Site 2 of 2 in cluster D

Relative:
Equal

HAZNET:

Actual:
47 ft.

- Gepaid: CAL000082105
- Contact: EBMUD-MAINTENANCE DEPT
- Telephone: 5102871512
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: PO BOX 24055 MS 704
- Mailing City,St,Zip: OAKLAND, CA 946231055
- Gen County: 1
- TSD EPA ID: CAD028409019
- TSD County: Los Angeles
- Waste Category: Unspecified organic liquid mixture
- Disposal Method: Transfer Station
- Tons: .1000
- Facility County: 1

- Gepaid: CAL000082105
- Contact: EBMUD-MAINTENANCE DEPT
- Telephone: 5102871512
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: PO BOX 24055 MS 704
- Mailing City,St,Zip: OAKLAND, CA 946231055
- Gen County: 1
- TSD EPA ID: CAD053044053
- TSD County: 1
- Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
- Disposal Method: Transfer Station
- Tons: .1292
- Facility County: 1

- Gepaid: CAL000082105
- Contact: EBMUD-MAINTENANCE DEPT
- Telephone: 5102871512
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: PO BOX 24055 MS 704
- Mailing City,St,Zip: OAKLAND, CA 946231055
- Gen County: 1
- TSD EPA ID: CAD983665068
- TSD County: Santa Clara
- Waste Category: Empty containers less than 30 gallons
- Disposal Method: Recycler
- Tons: .0375
- Facility County: 1

- Gepaid: CAL000082105
- Contact: SAFA TOMA
- Telephone: 5102871512
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: PO BOX 24055 MS 704
- Mailing City,St,Zip: OAKLAND, CA 946231055

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

EBMUD-SOUTH AREA SERVICE CNTR (Continued)

U003138934

Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Sacramento
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 0.34
Facility County: Not reported

Gepaid: CAL000082105
Contact: SAFA TOMA
Telephone: 5102871512
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 24055 MS 704
Mailing City,St,Zip: OAKLAND, CA 946231055
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Tons: 0.35
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 42 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 2002
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 13743
Air District Name: BA
SIC Code: 4941
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 13743
Air District Name: BA
SIC Code: 4941
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

EBMUD-SOUTH AREA SERVICE CNTR (Continued)

U003138934

SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004
 Carbon Monoxide Emissions Tons/Yr: 1
 Air Basin: SF
 Facility ID: 13743
 Air District Name: BA
 SIC Code: 4941
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.062
 Reactive Organic Gases Tons/Yr: 0.060813
 Carbon Monoxide Emissions Tons/Yr: 0.017
 NOX - Oxides of Nitrogen Tons/Yr: 0.079
 SOX - Oxides of Sulphur Tons/Yr: 0.001
 Particulate Matter Tons/Yr: 0.006
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.005856

CS:
 Record Id: RO0002735
 PE: 5602
 Status: Leak being confirmed

**22
 SE
 1/4-1/2
 2046 ft.**

**JOCSON AUTO ELECTRIC
 17771 MEEKLAND AVE
 HAYWARD, CA 94541**

**LUST S101623663
 Cortese N/A
 CA FID UST
 CS**

**Relative:
 Higher**

LUST:
 Region: STATE
 Case Type: Soil only
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Federal
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0600100758
 Stop Date: 1991-05-10 00:00:00
 Confirm Leak: 1991-06-06 00:00:00
 Workplan: Not reported
 Prelim Assess: 1992-06-27 00:00:00
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Discover Date: 1991-01-03 00:00:00
 Enforcement Dt: Not reported
 Release Date: 1991-01-03 00:00:00
 Review Date: 2000-09-06 00:00:00
 Enter Date: 1991-06-06 00:00:00
 MTBE Date: Not reported

**Actual:
 49 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

JOCSON AUTO ELECTRIC (Continued)

S101623663

GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 01
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Preliminary site assessment underway
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: No
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: AG
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 3573
Case Number: 01-0822
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-0822
Case Number: 3573
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 6/6/1991
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: Not reported
Preliminary Site Assessment Began: 6/27/1992
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

JOCSON AUTO ELECTRIC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S101623663

Cortese:
 Region: CORTESE
 Facility Addr2: 17771 MEEKLAND AVE

CA FID UST:
 Facility ID: 01000940
 Regulated By: UTNKA
 Regulated ID: 00043959
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4152785357
 Mail To: Not reported
 Mailing Address: 3110 RALEIGH CT
 Mailing Address 2: Not reported
 Mailing City,St,Zip: HAYWARD 94541
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

CS:
 Record Id: RO0000021
 PE: 5602
 Status: Case Closed

**23
 SSW
 1/4-1/2
 2170 ft.**

**SAN LORENZO VILLAGE HOMES ASSN
 427 PASEO GRANDE
 SAN LORENZO, CA 94580**

**LUST S101306785
 Cortese N/A
 CS**

**Relative:
 Lower**

LUST:
 Region: STATE
 Case Type: Soil only
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Federal
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0600101194
 Stop Date: 1987-12-28 00:00:00
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1996-06-18 00:00:00
 Discover Date: 1987-12-28 00:00:00
 Enforcement Dt: Not reported
 Release Date: 1987-12-17 00:00:00

**Actual:
 45 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAN LORENZO VILLAGE HOMES ASSN (Continued)

S101306785

Review Date: 1996-08-07 00:00:00
Enter Date: 1996-05-08 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 01
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: No
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: AG
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 5830
Case Number: 01-1298
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Operator: Not reported
Water System Name:Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ARCHIVED 11/1/96 CONTROL NO 120-105 SRC 0904755

LUST:

Region: 2
Facility Status: Case Closed
Facility Id: 01-1298
Case Number: 5830
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAN LORENZO VILLAGE HOMES ASSN (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S101306785

Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
 Facility Addr2: Not reported

CS:

Record Id: RO0000717
 PE: 5602
 Status: Case Closed

**E24
 NE
 1/4-1/2
 2537 ft.**

**PLANTS UNLIMITED
 16450 KENT AVE
 SAN LORENZO, CA 94580**

**LUST U001598560
 Cortese N/A
 HIST UST
 CS
 SWEEPS UST**

**Relative:
 Equal**

Site 1 of 2 in cluster E

**Actual:
 47 ft.**

LUST:

Region: STATE
 Case Type: Soil only
 Cross Street: Not reported
 Enf Type: EF
 Funding: Federal
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0600101088
 Stop Date: 1990-07-31 00:00:00
 Confirm Leak: Not reported
 Workplan: 1992-11-11 00:00:00
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1994-11-04 00:00:00
 Discover Date: 1990-07-31 00:00:00
 Enforcement Dt: 1992-03-25 00:00:00
 Release Date: 1990-07-31 00:00:00
 Review Date: 1994-12-13 00:00:00
 Enter Date: 1991-06-06 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 01
 Org Name: Not reported
 Reg Board: San Francisco Bay Region
 Status: Case Closed
 Chemical: Diesel
 Contact Person: Not reported
 Responsible Party: BLANK RP
 RP Address: Not reported
 Interim: No
 Oversight Prgm: LUST

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PLANTS UNLIMITED (Continued)

U001598560

MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: AG
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 3761
Case Number: 01-1182
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ARCHIVED 6/6/96 CONTROL NO 120-085 SRC 0904735

LUST:

Region: 2
Facility Status: Case Closed
Facility Id: 01-1182
Case Number: 3761
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 11/11/1992
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 16450 Kent Ave

HIST UST:

Region: STATE
Facility ID: 00000054831
Tank Num: 001
Container Num: 1GAS
Year Installed: Not reported
Tank Capacity: 00000280
Facility Type: Other
Other Type: NURSERY
Total Tanks: 0002

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number

EDR ID Number
EPA ID Number

PLANTS UNLIMITED (Continued)

U001598560

Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: NANCY B. GOLDSTEIN
Telephone: 4152762384
Owner Name: PLANTS UNLIMITED
Owner Address: 16450 KENT AVE.
Owner City,St,Zip: SAN LORENZO, CA 94580

Region: STATE
Facility ID: 00000054831
Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Facility Type: Other
Other Type: NURSERY
Total Tanks: 0002
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor
Contact Name: NANCY B. GOLDSTEIN
Telephone: 4152762384
Owner Name: PLANTS UNLIMITED
Owner Address: 16450 KENT AVE.
Owner City,St,Zip: SAN LORENZO, CA 94580

CS:
Record Id: RO0001176
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 54831
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-054831-000001
Actv Date: Not reported
Capacity: 280
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 54831
Number: Not reported
Board Of Equalization: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PLANTS UNLIMITED (Continued)

EDR ID Number
 EPA ID Number

U001598560

Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 01-000-054831-000002
 Actv Date: Not reported
 Capacity: 1
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: DIESEL
 Number Of Tanks: Not reported

F25
West
 1/4-1/2
 2552 ft.

UNOCAL
376 LEWELLING BLVD
SAN LORENZO, CA 94580

HAZNET 1000167320
LUST N/A
 Cortese
HIST UST
CS
SWEEPS UST

Relative:
Equal

Site 1 of 2 in cluster F

Actual:
47 ft.

HAZNET:
 Gepaid: CAD982057663
 Contact: UNION OIL COMPANY OF CALIFORNI
 Telephone: 7144286560
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 25376
 Mailing City,St,Zip: SANTA ANA, CA 927995376
 Gen County: 1
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Aqueous solution with 10% or more total organic residues
 Disposal Method: Recycler
 Tons: .0417
 Facility County: 1

Gepaid: CAL000179271
 Contact: HAZMAT SPECIALIST
 Telephone: 6027284180
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 52085
 Mailing City,St,Zip: PHOENIX, AZ 850722085
 Gen County: Alameda
 TSD EPA ID: CAD028409019
 TSD County: Alameda
 Waste Category: Aqueous solution with less than 10% total organic residues
 Disposal Method: Treatment, Tank
 Tons: 0.5
 Facility County: 1

Gepaid: CAD982057663
 Contact: UNION OIL COMPANY OF CALIFORNI
 Telephone: 7144286560
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 25376
 Mailing City,St,Zip: SANTA ANA, CA 927995376

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

UNOCAL (Continued)

1000167320

Gen County: 1
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: .6672
 Facility County: 1

LUST:

Region: STATE
 Case Type: Other ground water affected
 Cross Street: Not reported
 Enf Type: EF
 Funding: Federal
 How Discovered: Inventory Control
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Other Source
 Global Id: T0600101469
 Stop Date: 1987-11-11 00:00:00
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: 1988-02-20 00:00:00
 Pollution Char: 1992-06-19 00:00:00
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Discover Date: 1987-11-11 00:00:00
 Enforcement Dt: 1992-01-06 00:00:00
 Release Date: 1990-03-20 00:00:00
 Review Date: 2001-08-02 00:00:00
 Enter Date: 1991-06-06 00:00:00
 MTBE Date: 1995-03-09 00:00:00
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: 54000
 Max MTBE Soil ppb: Not reported
 County: 01
 Org Name: Not reported
 Reg Board: San Francisco Bay Region
 Status: Pollution Characterization
 Chemical: Gasoline
 Contact Person: Not reported
 Responsible Party: BLANK RP
 RP Address: Not reported
 Interim: Yes
 Oversight Prgm: LUST
 MTBE Class: B
 MTBE Conc: 1
 MTBE Fuel: 1
 MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
 Staff: Not reported
 Staff Initials: AG
 Lead Agency: Local Agency
 Local Agency: 01000L
 Hydr Basin #: Alameda East Bay (2-

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNOCAL (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000167320

Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 1746
Case Number: 01-1594
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site,
Pump and Treat Ground Water - generally employed to remove dissolved
contaminants, Vent Soil - bore holes in soil to allow volatilization of
contaminants
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: SUMPS AND SPILL CONTAINMENT BOXED INSTALL - 5-6/98. 2/1/96 URF. CURRENT MTBE
DATE-3/21/00

LUST:

Region: 2
Facility Status: Pollution Characterization
Facility Id: 01-1594
Case Number: 1746
How Discovered: Inventory Control
Leak Cause: Structure Failure
Leak Source: Other Source
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 2/20/1988
Pollution Characterization Began: 6/19/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

Region: CORTESE
Facility Addr2: 376 LEWELLING BLVD

HIST UST:

Region: STATE
Facility ID: 00000030790
Tank Num: 001
Container Num: 5760-1-1
Year Installed: 1966
Tank Capacity: 00010000
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: RAY TURPEINEN

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNOCAL (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000167320

Telephone: 4152784442
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

Region: STATE
Facility ID: 00000030790
Tank Num: 002
Container Num: 3760-2-1
Year Installed: 1966
Tank Capacity: 00010000
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: RAY TURPEINEN
Telephone: 4152784442
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

Region: STATE
Facility ID: 00000030790
Tank Num: 003
Container Num: 5760-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor
Contact Name: RAY TURPEINEN
Telephone: 4152784442
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

CS:

Record Id: RO0000344
PE: 5602
Status: Post remedial action monitoring

SWEEPS UST:

Status: A
Comp Number: 30790
Number: 9
Board Of Equalization: 44-000051
Ref Date: 03-05-91
Act Date: 03-05-91
Created Date: 02-29-88

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

UNOCAL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000167320

Tank Status: A
 Owner Tank Id: 5760-SU-1
 Swrcb Tank Id: 01-000-030790-000001
 Actv Date: 03-05-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 3

Status: A
 Comp Number: 30790
 Number: 9
 Board Of Equalization: 44-000051
 Ref Date: 03-05-91
 Act Date: 03-05-91
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: 5760-RU-4
 Swrcb Tank Id: 01-000-030790-000002
 Actv Date: 03-05-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: A
 Comp Number: 30790
 Number: 9
 Board Of Equalization: 44-000051
 Ref Date: 03-05-91
 Act Date: 03-05-91
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: 5760-WO-1
 Swrcb Tank Id: 01-000-030790-000003
 Actv Date: 03-05-91
 Capacity: 520
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: Not reported

**E26
 NE
 1/4-1/2
 2601 ft.**

**KENT GARDENS
 16438 KENT AVENUE
 SAN LORENZO, CA**

**SLIC S106717778
 N/A**

Site 2 of 2 in cluster E

**Relative:
 Higher**

SLIC:
 Region: STATE
 Global Id: SL0600140278
 Assigned Name: SLICSITE
 Lead Agency Contact: MARCIA Y. LIAO
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Responsible Party: Not reported

**Actual:
 48 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

KENT GARDENS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S106717778

Recent Dtw: Not reported
 Substance Released: Not reported
Facility Status: Not reported

F27
West
1/4-1/2
2631 ft.

DON DEL COMPANY
15636 40 USHER ST
SAN LEANDRO, CA

Cortese

S101306781
N/A

Site 2 of 2 in cluster F

Relative:
Equal

Cortese:
 Region: **CORTESE**
 Facility Addr2: **15636 40 USHER ST**

Actual:
47 ft.

G28
NE
1/2-1
3386 ft.

EAST 14TH STREET AUTO WRECKERS
16552 EAST 14TH STREET
ASHLAND, CA 94541

ENVIROSTOR

S102008261
N/A

Site 1 of 2 in cluster G

Relative:
Higher

ENVIROSTOR:
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Not reported
 Division Branch: North Coast
 Envirostor ID: 01750016
 Site Code: Not reported
 Assembly: 18
 Senate: 10
 Special Program: Not reported
Status: Refer: Other Agency
 Status Date: 1996-01-05 00:00:00
 Restricted Use: NO
 Funding: Not reported
 Latitude: 37.6847222222222
 Longitude: -122.113888888889

Actual:
50 ft.

CA ENVIROSTOR ALIAS:

Alias Type: Calsites ID Number
 Alias Project Name: 01750016

Alias Type: EPA Identification Number
 Alias Project Name: CAD983566472

CA ENVIROSTOR COMPLETE:

Area Name: Not reported
 Sub Area Name: Not reported
 Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

EAST 14TH STREET AUTO WRECKERS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S102008261

CA ENVIROSTOR FUTURE:

Area Name: Not reported
 Sub Area Name: Not reported
 Document Type: Not reported
 Due Date: Not reported

CA ENVIROSTOR SCHEDULE:

Area Name: Not reported
 Sub Area Name: Not reported
 Document Type: Not reported
 Due Date: Not reported
 Revised Date: Not reported

**G29
 NE
 1/2-1
 3386 ft.**

**EAST 14TH STREET AUTOWRECKERS
 16552 EAST 14TH ST
 ASHLAND, CA 94578**

**ENVIROSTOR S102008278
 N/A**

Site 2 of 2 in cluster G

**Relative:
 Higher**

**Actual:
 50 ft.**

ENVIROSTOR:
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: KAREN TOTH
 Division Branch: North Coast
 Envirostor ID: 01990010
 Site Code: Not reported
 Assembly: 18
 Senate: 10
 Special Program: Not reported
Status: No Further Action
 Status Date: 1995-05-12 00:00:00
 Restricted Use: NO
 Funding: Not reported
 Latitude: 37.69333333333333
 Longitude: -122.111944444444

CA ENVIROSTOR ALIAS:

Alias Type: Calsites ID Number
 Alias Project Name: 01990010

CA ENVIROSTOR COMPLETE:

Area Name: PROJECT WIDE
 Sub Area Name: Not reported
 Document Type: Site Screening
 Completed Date: 1993-06-18 00:00:00
 Comments: Completed Site Screening. This site has been an auto-wrecker facility for almost 50 years. Soil and groundwater are suspected to be contaminated. No sampling has been conducted yet. Soil removal/disturbance with accompanying visible dust generation w

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EAST 14TH STREET AUTOWRECKERS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102008278

CA ENVIROSTOR FUTURE:

Area Name: Not reported
Sub Area Name: Not reported
Document Type: Not reported
Due Date: Not reported

CA ENVIROSTOR SCHEDULE:

Area Name: Not reported
Sub Area Name: Not reported
Document Type: Not reported
Due Date: Not reported
Revised Date: Not reported

30
WNW
1/2-1
3439 ft.

FOUR STAR LUMBER CO
15444 HESPERIAN BOULEVARD
SAN LEANDRO, CA 92584

Notify 65 S100179438
N/A

Relative:
Equal

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92584

Actual:
47 ft.

31
West
1/2-1
4491 ft.

CALTRANS MAINTENANCE YARD
600 LEWELLING BOULEVARD
SAN LEANDRO, CA 92584

Notify 65 S100178681
N/A

Relative:
Equal

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92584

Actual:
47 ft.

32
SE
1/2-1
4667 ft.

NONE
19984 MEEKLAND
HAYWARD, CA 92508

Notify 65 S100179370
N/A

Relative:
Higher

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92508

Actual:
59 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s) EDR ID Number
 EPA ID Number

33 **UNOCAL SERVICE STATION #6277**
North **15803 EAST 14TH STREET**
1/2-1 **SAN LEANDRO, CA 92584**
4902 ft.

Notify 65 **S100178990**
N/A

Relative:
Lower

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92584

Actual:
27 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HAYWARD	1003879390	EDEN ROCK PROPS	3146, 3167 & 3191 CORPORATE PLACE	94541	CERC-NFRAP
HAYWARD	1003879275	ARDEN ROAD PROPERTY	ARDEN RD	94541	CERC-NFRAP
HAYWARD	S106895112	BURBANK E.S./HAYWARD JOINT USE PARK	SOUTHEAST CORNER BURBANK/C STREET	94541	SCH, ENVIROSTOR
HAYWARD	1003878524	BAY CITIES RUBBISH DSPL CO	FOOT OF W WINTON AVE	94541	CERC-NFRAP
SAN LEANDRO	1003878920	PG&E GAS PLANT SAN LEANDRO	ALVARDO & ST JOHNS STS	94578	CERC-NFRAP
SAN LORENZO	S106934072	VERN'S SERVICE OF SAN LORENZO	18 E LEWELLING L	94580	SWEEPS UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

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

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-603-8960
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. 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.

Date of Government Version: 07/17/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: 703-603-8960
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 10/18/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 09/18/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Quarterly

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 10/18/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 10/16/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/27/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 12/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 10/20/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 08/28/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/29/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/30/2006	Telephone: 916-323-3400
Date Made Active in Reports: 10/05/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 07/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/13/2006	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/13/2006	Telephone: 916-341-6320
Date Made Active in Reports: 10/05/2006	Last EDR Contact: 09/13/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/21/2006	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/22/2006	Telephone: 916-341-5227
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 09/05/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 10/12/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 10/12/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

Date of Government Version: 07/01/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 10/06/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491
Last EDR Contact: 10/02/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
Last EDR Contact: 08/07/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 10/17/2006
Next Scheduled EDR Contact: 01/15/2007
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-346-7491
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 916-542-5424
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6600
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/25/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/25/2006
	Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-576-2220
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/21/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 10/09/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-549-3147
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 08/15/2006
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC: Statewide SLIC Cases

The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 10/12/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 10/09/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 10/02/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 10/02/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 10/05/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 08/30/2006
Date Data Arrived at EDR: 08/31/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 35

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 14

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 10/12/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Semi-Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 01/30/2006
Date Data Arrived at EDR: 01/30/2006
Date Made Active in Reports: 02/17/2006
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 10/31/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2004	Source: Office of Emergency Services
Date Data Arrived at EDR: 11/30/2005	Telephone: 916-845-8400
Date Made Active in Reports: 01/19/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 10/16/2006
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 07/05/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/06/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 10/05/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/29/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/30/2006	Telephone: 916-323-3400
Date Made Active in Reports: 10/05/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/18/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 04/18/2005	Telephone: 916-327-4498
Date Made Active in Reports: 05/06/2005	Last EDR Contact: 10/02/2006
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/25/2006	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/26/2006	Telephone: 213-576-6726
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/24/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 05/17/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/17/2006	Telephone: 916-255-6504
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 08/14/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 08/29/2006	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/30/2006	Telephone: 916-323-3400
Date Made Active in Reports: 10/05/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2003	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/11/2005	Telephone: 916-255-1136
Date Made Active in Reports: 10/31/2005	Last EDR Contact: 09/14/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2004	Source: California Air Resources Board
Date Data Arrived at EDR: 04/14/2006	Telephone: 916-322-2990
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 10/20/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 08/29/2006
Date Data Arrived at EDR: 08/30/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 21

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006
Date Data Arrived at EDR: 07/03/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 65

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/10/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

Underground Tanks

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/10/2006
Date Made Active in Reports: 09/18/2006
Number of Days to Update: 39

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 09/05/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 30

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 09/05/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 09/18/2006
Number of Days to Update: 13

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/31/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Date of Government Version: 08/15/2006
Date Data Arrived at EDR: 08/25/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 41

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 08/16/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

City of Los Angeles Landfills

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/05/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/13/2006
Number of Days to Update: 25

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 08/23/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/15/2006
Date Data Arrived at EDR: 08/17/2006
Date Made Active in Reports: 09/18/2006
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/29/2006
Date Made Active in Reports: 09/18/2006
Number of Days to Update: 20

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 28

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/25/2006
Next Scheduled EDR Contact: 12/25/2006
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 27

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/25/2006
Next Scheduled EDR Contact: 12/25/2006
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/19/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 38

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2006
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 10/20/2006
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/30/2006
Date Data Arrived at EDR: 08/31/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 35

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 12/19/2006
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/08/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 16

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 10/16/2006
Next Scheduled EDR Contact: 01/15/2007
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/08/2006
Date Made Active in Reports: 09/18/2006
Number of Days to Update: 41

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 10/16/2006
Next Scheduled EDR Contact: 01/15/2007
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

Date of Government Version: 08/02/2006
Date Data Arrived at EDR: 08/18/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 48

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2006
Date Data Arrived at EDR: 08/25/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/23/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 10/20/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 12/29/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 36

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

Underground Storage Tank Information

Date of Government Version: 09/18/2006
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 10/20/2006
Number of Days to Update: 30

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 07/25/2006	Source: Environmental Health Department
Date Data Arrived at EDR: 08/10/2006	Telephone: N/A
Date Made Active in Reports: 09/18/2006	Last EDR Contact: 10/16/2006
Number of Days to Update: 39	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/25/2006	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 08/25/2006	Telephone: 650-363-1921
Date Made Active in Reports: 10/05/2006	Last EDR Contact: 10/09/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Annually

Fuel Leak List

Date of Government Version: 07/26/2006	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 07/27/2006	Telephone: 650-363-1921
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 10/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/25/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/25/2006
	Data Release Frequency: No Update Planned

LOP Listing

A listing of open leaking underground storage tanks.

Date of Government Version: 07/10/2006	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/18/2006	Telephone: 408-918-3417
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 09/25/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/25/2006
	Data Release Frequency: Varies

Hazardous Material Facilities

Date of Government Version: 09/07/2006	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 09/08/2006	Telephone: 408-277-4659
Date Made Active in Reports: 10/05/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Annually

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

Date of Government Version: 07/05/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 10/18/2006
Next Scheduled EDR Contact: 12/25/2006
Data Release Frequency: Quarterly

Underground Storage Tanks

Date of Government Version: 07/03/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 10/18/2006
Next Scheduled EDR Contact: 12/25/2006
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Date of Government Version: 07/24/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 10/16/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 29

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/13/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 30

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/25/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/30/2006	Source: Environmental Health Division
Date Data Arrived at EDR: 07/10/2006	Telephone: 805-654-2813
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 09/13/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/28/2006	Source: Environmental Health Division
Date Data Arrived at EDR: 07/27/2006	Telephone: 805-654-2813
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 10/12/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Date of Government Version: 07/19/2006	Source: Yolo County Department of Health
Date Data Arrived at EDR: 08/01/2006	Telephone: 530-666-8646
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 10/16/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/06/2006	Telephone: N/A
Date Made Active in Reports: 08/01/2006	Last EDR Contact: 10/05/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 08/30/2006
Date Made Active in Reports: 10/16/2006
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 10/09/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

186 E. LEWELLING BOULEVARD
186 E. LEWELLING BOULEVARD
SAN LORENZO, CA 94580

TARGET PROPERTY COORDINATES

Latitude (North): 37.68670 - 37° 41' 12.1"
Longitude (West): 122.1196 - 122° 7' 10.6"
Universal Tranverse Mercator: Zone 10
UTM X (Meters): 577627.2
UTM Y (Meters): 4171214.2
Elevation: 47 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 37122-F1 HAYWARD, CA
Most Recent Revision: 1980

West Map: 37122-F2 SAN LEANDRO, CA
Most Recent Revision: 1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

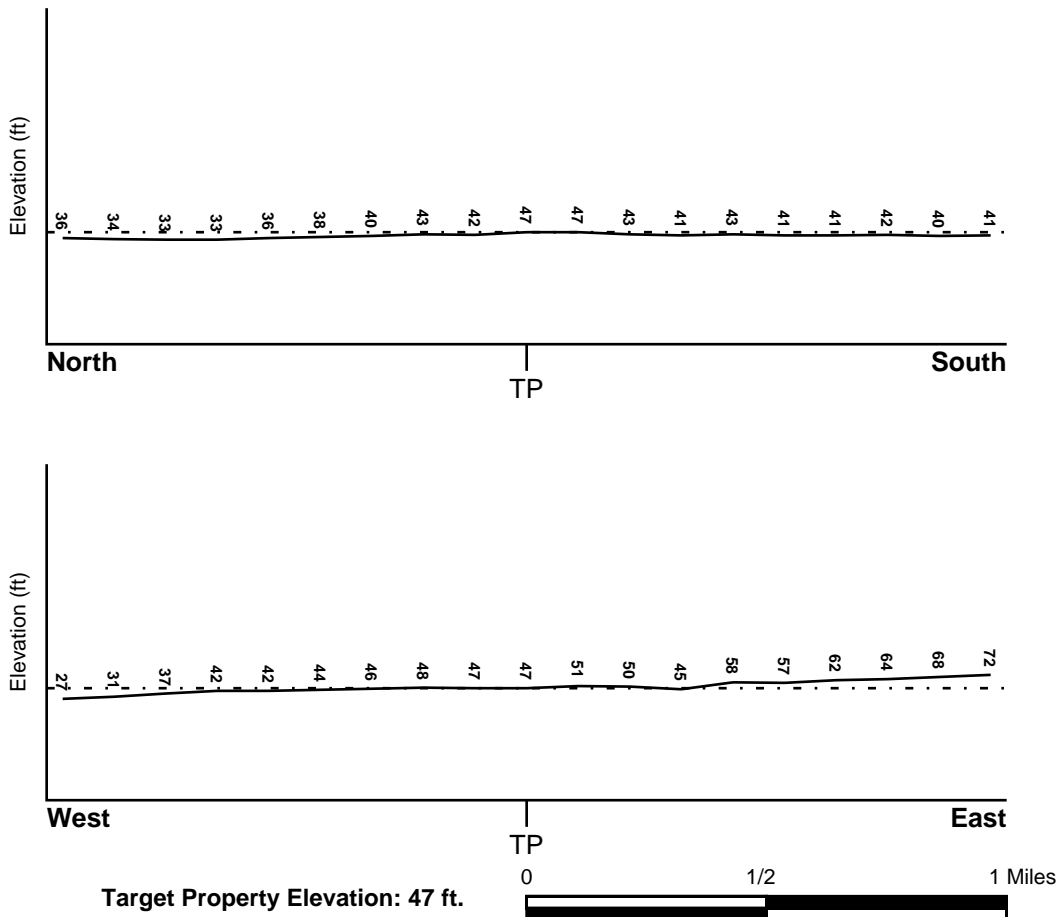
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> ALAMEDA, CA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0600010090C
Additional Panels in search area:	0600130002B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> HAYWARD	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A1	1/8 - 1/4 Mile North	E
A2	1/8 - 1/4 Mile North	E
A3	1/8 - 1/4 Mile NNE	E
B5	1/8 - 1/4 Mile West	SW
B6	1/8 - 1/4 Mile West	SW
B7	1/8 - 1/4 Mile West	NW
B8	1/4 - 1/2 Mile West	SW
C10	1/4 - 1/2 Mile SE	SSE
C11	1/4 - 1/2 Mile SE	SSE

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
D14	1/2 - 1 Mile West	SW
D15	1/2 - 1 Mile West	SW
16	1/2 - 1 Mile SW	SW
E17	1/2 - 1 Mile WNW	W
E18	1/2 - 1 Mile WNW	W
G21	1/2 - 1 Mile NNE	SE
G22	1/2 - 1 Mile NNE	SW
G23	1/2 - 1 Mile NNE	SW
24	1/2 - 1 Mile North	W
H25	1/2 - 1 Mile NNE	NE, NW
H26	1/2 - 1 Mile North	NE, NW
27	1/2 - 1 Mile North	NW
28	1/2 - 1 Mile North	NW
29	1/2 - 1 Mile SE	S
30	1/2 - 1 Mile NNE	W

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

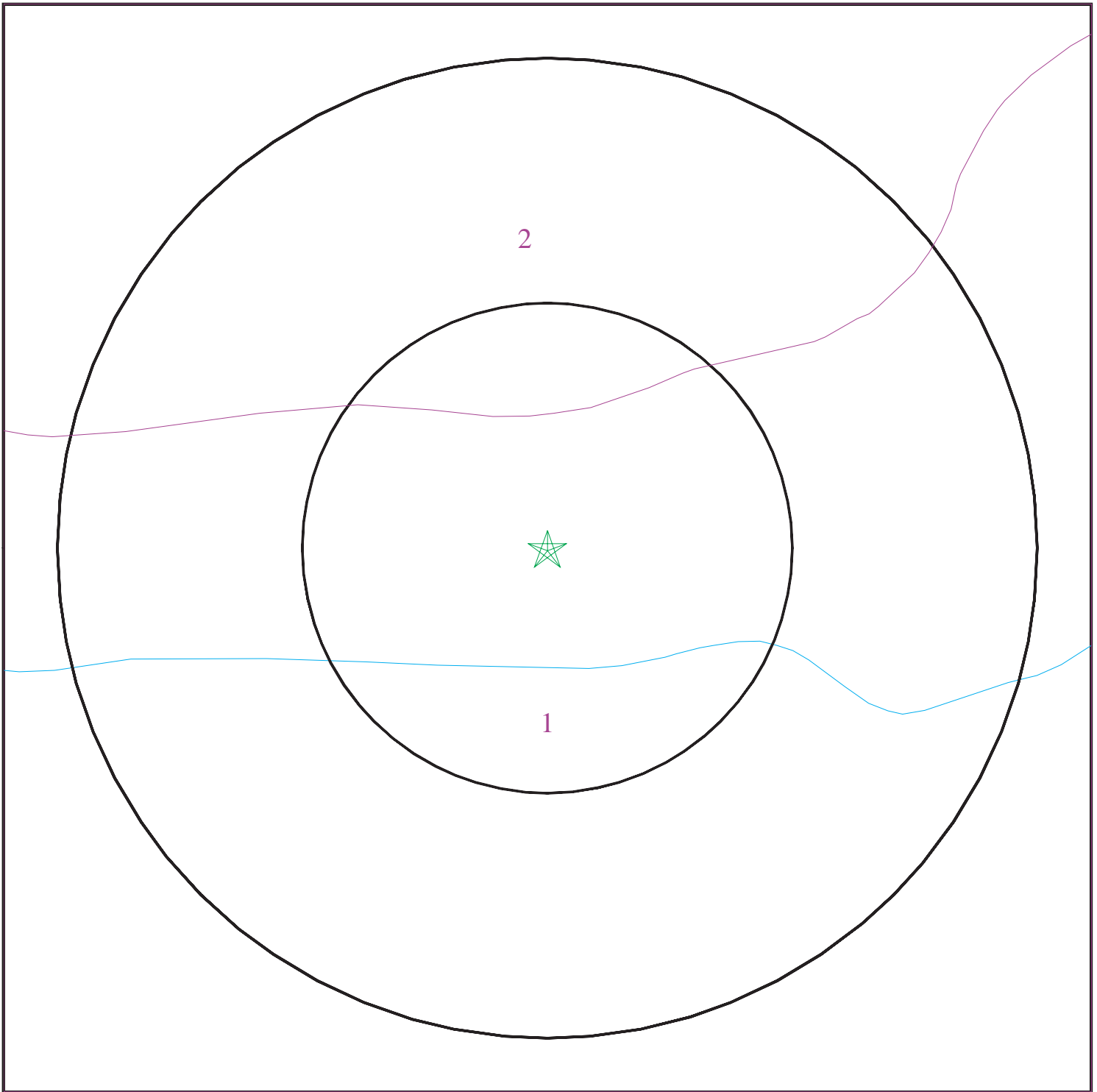
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 1779744.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: 186 E. Lewelling Boulevard
ADDRESS: 186 E. Lewelling Boulevard
San Lorenzo CA 94580
LAT/LONG: 37.6867 / 122.1196

CLIENT: Sierra Environmental Inc.
CONTACT: Mike Hagi
INQUIRY #: 1779744.2s
DATE: October 20, 2006 2:24 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: YOLO

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	8 inches	60 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.10

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: DANVILLE

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	21 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.20	Max: 7.30 Min: 6.10
2	21 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 7.30 Min: 6.10
3	53 inches	80 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 6.60

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	USGS3235823	1/8 - 1/4 Mile WNW
9	USGS3235995	1/4 - 1/2 Mile SE
13	USGS3235996	1/2 - 1 Mile ESE
F19	USGS3235820	1/2 - 1 Mile West
F20	USGS3235821	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

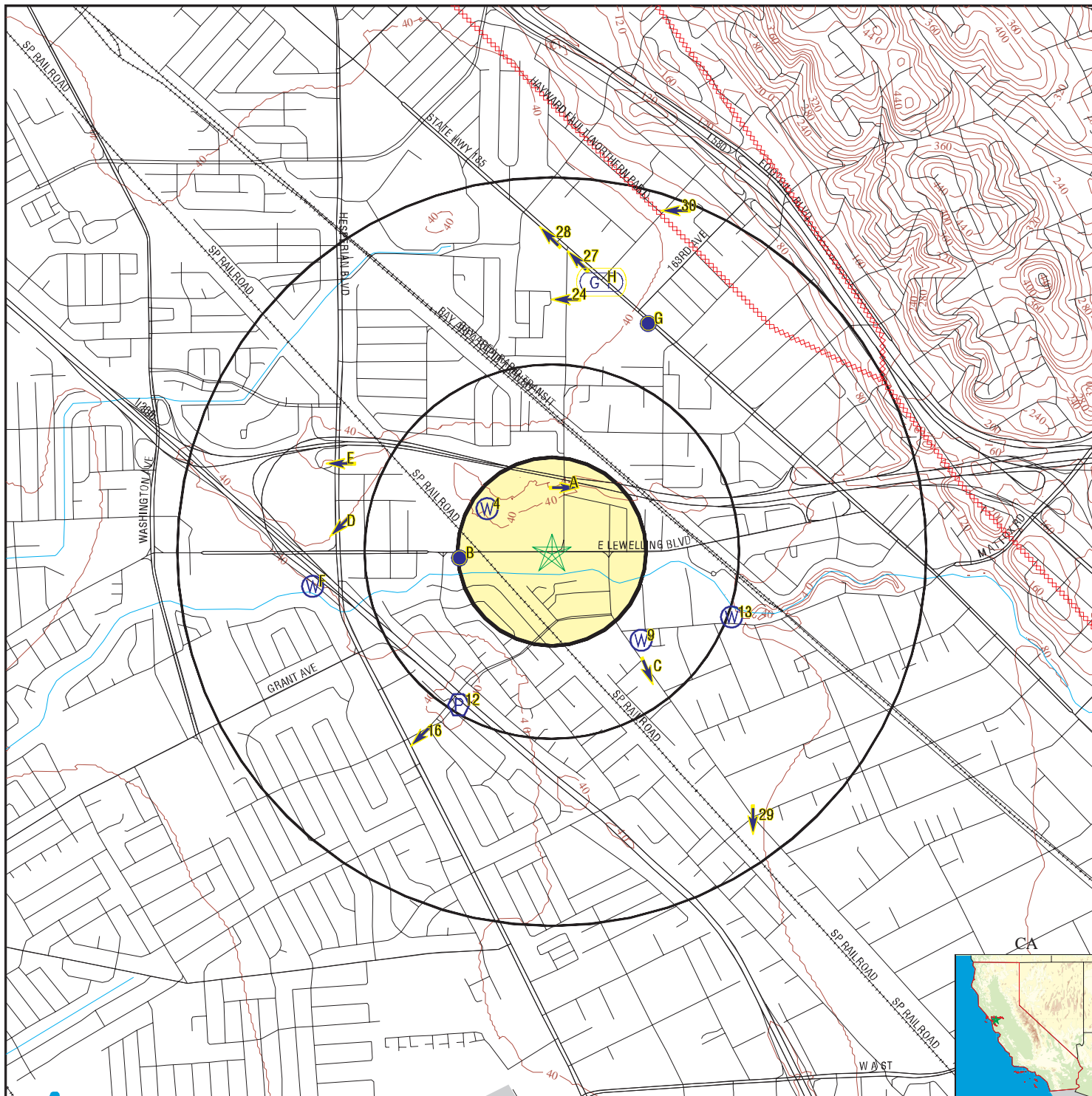
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
12	CA1700563	1/4 - 1/2 Mile SSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

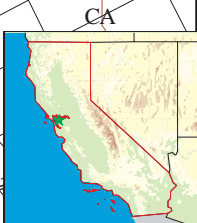
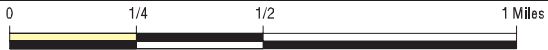
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1779744.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 186 E. Lewelling Boulevard
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CLIENT: Sierra Environmental Inc.
 CONTACT: Mike Hagi
 INQUIRY #: 1779744.2s
 DATE: October 20, 2006 2:24 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1 North 1/8 - 1/4 Mile Lower	Site ID: 01-1095		
	Groundwater Flow: E	AQUIFLOW	52519
	Shallow Water Depth: 4.55		
	Deep Water Depth: 9.41		
	Average Water Depth: Not Reported		
	Date: 12/16/1996		

A2 North 1/8 - 1/4 Mile Lower	Site ID: 01-1095		
	Groundwater Flow: E	AQUIFLOW	52518
	Shallow Water Depth: 6.5		
	Deep Water Depth: 7.0		
	Average Water Depth: Not Reported		
	Date: 08/19/1993		

A3 NNE 1/8 - 1/4 Mile Lower	Site ID: 01-1095		
	Groundwater Flow: E	AQUIFLOW	52517
	Shallow Water Depth: 5.0		
	Deep Water Depth: 7.0		
	Average Water Depth: Not Reported		
	Date: 09/29/1993		

4 WNW 1/8 - 1/4 Mile Lower		FED USGS	USGS3235823
---	--	-----------------	--------------------

Agency cd:	USGS	Site no:	374113122071901
Site name:	003S002W07G012M		
Latitude:	374118.1		
Longitude:	1220721.9	Dec lat:	37.68836111
Dec lon:	-122.12275	Coor meth:	D
Coor accr:	1	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	Not Reported
Location map:	HAYWARD	Map scale:	24000
Altitude:	35.7	Altitude method:	D
Altitude accuracy:	.2	Altitude datum:	NGVD29
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19910812
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	595	Hole depth:	610
Source of depth data:	driller	Project number:	470653600
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1999-11-15
 Ground water data begin date: 2002-11-13
 Ground water data count: 1

Water quality data begin date: 1999-11-15
 Water quality data count: 1
 Ground water data end date: 2002-11-13

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2002-11-13	30.14	

B5 West 1/8 - 1/4 Mile Higher	Site ID:	01-1531		
	Groundwater Flow:	SW	AQUIFLOW	52392
	Shallow Water Depth:	13.35		
	Deep Water Depth:	17.50		
	Average Water Depth:	Not Reported		
	Date:	09/01/1999		

B6 West 1/8 - 1/4 Mile Higher	Site ID:	01-1531		
	Groundwater Flow:	SW	AQUIFLOW	52391
	Shallow Water Depth:	13.37		
	Deep Water Depth:	22.18		
	Average Water Depth:	Not Reported		
	Date:	11/14/1994		

B7 West 1/8 - 1/4 Mile Higher	Site ID:	01-1531		
	Groundwater Flow:	NW	AQUIFLOW	52393
	Shallow Water Depth:	15.62		
	Deep Water Depth:	17.62		
	Average Water Depth:	Not Reported		
	Date:	10/08/1987		

B8 West 1/4 - 1/2 Mile Higher	Site ID:	01-1714		
	Groundwater Flow:	SW	AQUIFLOW	68802
	Shallow Water Depth:	13.82		
	Deep Water Depth:	19.28		
	Average Water Depth:	Not Reported		
	Date:	11/17/1993		

9 SE 1/4 - 1/2 Mile Higher			FED USGS	USGS3235995
---	--	--	-----------------	--------------------

Agency cd:	USGS	Site no:	374100122065101
Site name:	003S002W08M003M		
Latitude:	374100		
Longitude:	1220651	Dec lat:	37.68326438
Dec lon:	-122.11524193	Coor meth:	U
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	Not Reported
Location map:	HAYWARD	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	48	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	San Francisco Bay, California. Area = 1200 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1968
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	85	Hole depth:	85
Source of depth data:	driller	Project number:	470653600
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1998-11-18
Water quality data end date:	1999-03-24	Water quality data count:	3
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

C10 SE 1/4 - 1/2 Mile Higher	Site ID:	01-0822		
	Groundwater Flow:	SSE	AQUIFLOW	53505
	Shallow Water Depth:	6.53		
	Deep Water Depth:	6.60		
	Average Water Depth:	Not Reported		
	Date:	07/16/1992		

C11 SE 1/4 - 1/2 Mile Higher	Site ID:	01-0822		
	Groundwater Flow:	SSE	AQUIFLOW	53506
	Shallow Water Depth:	15.5		
	Deep Water Depth:	20.04		
	Average Water Depth:	Not Reported		
	Date:	03/08/1995		

12 SSW 1/4 - 1/2 Mile Lower			FRDS PWS	CA1700563
--	--	--	-----------------	------------------

PWS ID:	CA1700563	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	LAKE COUNTY CSA 22 - MT. HANNAH LAKEPORT, CA 95453		

Source: Ground water

Treatment Objective: DISINFECTION

Process: HYPOCHLORINATION, POST

Addressee / Facility: System Owner/Responsible Party
MT HANNAH MUTUAL
17153 VIA ALAMITOS
SAN LORENZO, CA 94580

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	37 40 51	Facility Longitude:	122 07 23
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	100
PWS currently has or had major violation(s) or enforcement:		No	

**13
ESE
1/2 - 1 Mile
Lower**

FED USGS USGS3235996

Agency cd:	USGS	Site no:	374103122063901
Site name:	003S002W08L003M		
Latitude:	374103		
Longitude:	1220639	Dec lat:	37.68416667
Dec lon:	-122.11083333	Coor meth:	G
Coor accr:	F	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	Not Reported
Location map:	HAYWARD	Map scale:	24000
Altitude:	64.6	Altitude method:	L
Altitude accuracy:	1	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1942
Date inventoried:	19990129	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	211	Hole depth:	Not Reported
Source of depth data:	other government (other than USGS)	USGS object number:	470653600
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2002-11-13	Ground water data end date:	2002-11-13
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

2002-11-13	28.07	

**D14
West
1/2 - 1 Mile
Lower**

Site ID:	01-0126	AQUIFLOW 50310
Groundwater Flow:	SW	
Shallow Water Depth:	13.5	
Deep Water Depth:	25.0	
Average Water Depth:	Not Reported	
Date:	09/16/1986	

**D15
West
1/2 - 1 Mile
Lower**

Site ID:	01-0126	AQUIFLOW 50309
Groundwater Flow:	SW	
Shallow Water Depth:	9.73	
Deep Water Depth:	15.29	
Average Water Depth:	Not Reported	
Date:	06/10/1996	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

16 SW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1298 SW 9.4 11 Not Reported 05/09/1996	AQUIFLOW	68791
---	---	--	-----------------	--------------

E17 WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0328 W 14.5 15.0 Not Reported 11/17/1992	AQUIFLOW	52959
---	---	--	-----------------	--------------

E18 WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0328 W 10.87 14.95 Not Reported 09/06/1994	AQUIFLOW	52960
---	---	--	-----------------	--------------

F19 West 1/2 - 1 Mile Lower			FED USGS	USGS3235820
--	--	--	-----------------	--------------------

Agency cd:	USGS	Site no:	374107122075201
Site name:	003S002W07E002M		
Latitude:	374107.36		
Longitude:	1220752.45	Dec lat:	37.68537778
Dec lon:	-122.13123611	Coor meth:	D
Coor accr:	1	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	Not Reported
Location map:	SAN LEANDRO	Map scale:	24000
Altitude:	33.82	Altitude method:	D
Altitude accuracy:	0.2	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19991222
Date inventoried:	20000210	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	540	Hole depth:	560
Source of depth data:	driller	Project number:	470653600
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 2002-11-13
 Ground water data count: 1
 Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 2002-11-13

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2002-11-13	42.89	

**F20
West
1/2 - 1 Mile
Lower**

FED USGS USGS3235821

Agency cd:	USGS	Site no:	374107122075301
Site name:	003S002W07E001M		
Latitude:	374107.20		
Longitude:	1220752.56	Dec lat:	37.68533333
Dec lon:	-122.13126667	Coor meth:	D
Coor acc:	1	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	Not Reported
Location map:	SAN LEANDRO	Map scale:	24000
Altitude:	34.72	Altitude method:	D
Altitude accuracy:	0.2	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20000101
Date inventoried:	20000210	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	540	Hole depth:	880
Source of depth data:	other reported	Project number:	470653600
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2000-02-10
Water quality data end date:	2000-02-10	Water quality data count:	1
Ground water data begin date:	2002-11-13	Ground water data end date:	2003-08-22
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-08-22	46.10		2002-11-13	43.91	

**G21
NNE
1/2 - 1 Mile
Lower**

Site ID: 01-0771
 Groundwater Flow: SE
 Shallow Water Depth: 13.5
 Deep Water Depth: 14.5
 Average Water Depth: Not Reported
 Date: 11/27/1990

AQUIFLOW 52398

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

G22 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0771 SW 2.5 10.0 Not Reported 05/26/1999	AQUIFLOW	52396
---	---	--	-----------------	--------------

G23 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0771 SW Not Reported Not Reported 10 12/09/1998	AQUIFLOW	52397
---	---	---	-----------------	--------------

24 North 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W 6.05 9.23 Not Reported 12/06/1994	AQUIFLOW	52511
--	---	---	-----------------	--------------

H25 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-3745 NE, NW 9.5 10.0 Not Reported 09/10/1991	AQUIFLOW	67600
---	---	--	-----------------	--------------

H26 North 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1164 NE, NW 1.5 8.5 Not Reported 03/06/1992	AQUIFLOW	67886
---	---	---	-----------------	--------------

27 North 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0178 NW 7.12 8.19 Not Reported 09/16/1994	AQUIFLOW	67597
--	---	---	-----------------	--------------

28 North 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2910 NW Not Reported Not Reported 8.5 09/28/1992	AQUIFLOW	67598
--	---	--	-----------------	--------------

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

29 SE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1269 S Not Reported Not Reported 3-6 04/25/1993	AQUIFLOW	50288
--	---	---	-----------------	--------------

30 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1436 W Not Reported Not Reported 7.10 09/28/1989	AQUIFLOW	67884
--	---	--	-----------------	--------------

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
94580	6	0	0.00

Federal EPA Radon Zone for ALAMEDA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ALAMEDA COUNTY, CA

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.776 pCi/L	100%	0%	0%
Living Area - 2nd Floor	-0.400 pCi/L	100%	0%	0%
Basement	1.338 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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EDR Historical Topographic Map Report

**186 E. Lewelling Boulevard
186 E. Lewelling Boulevard
San Lorenzo, CA 94580**

Inquiry Number: 1779744.4

October 20, 2006



EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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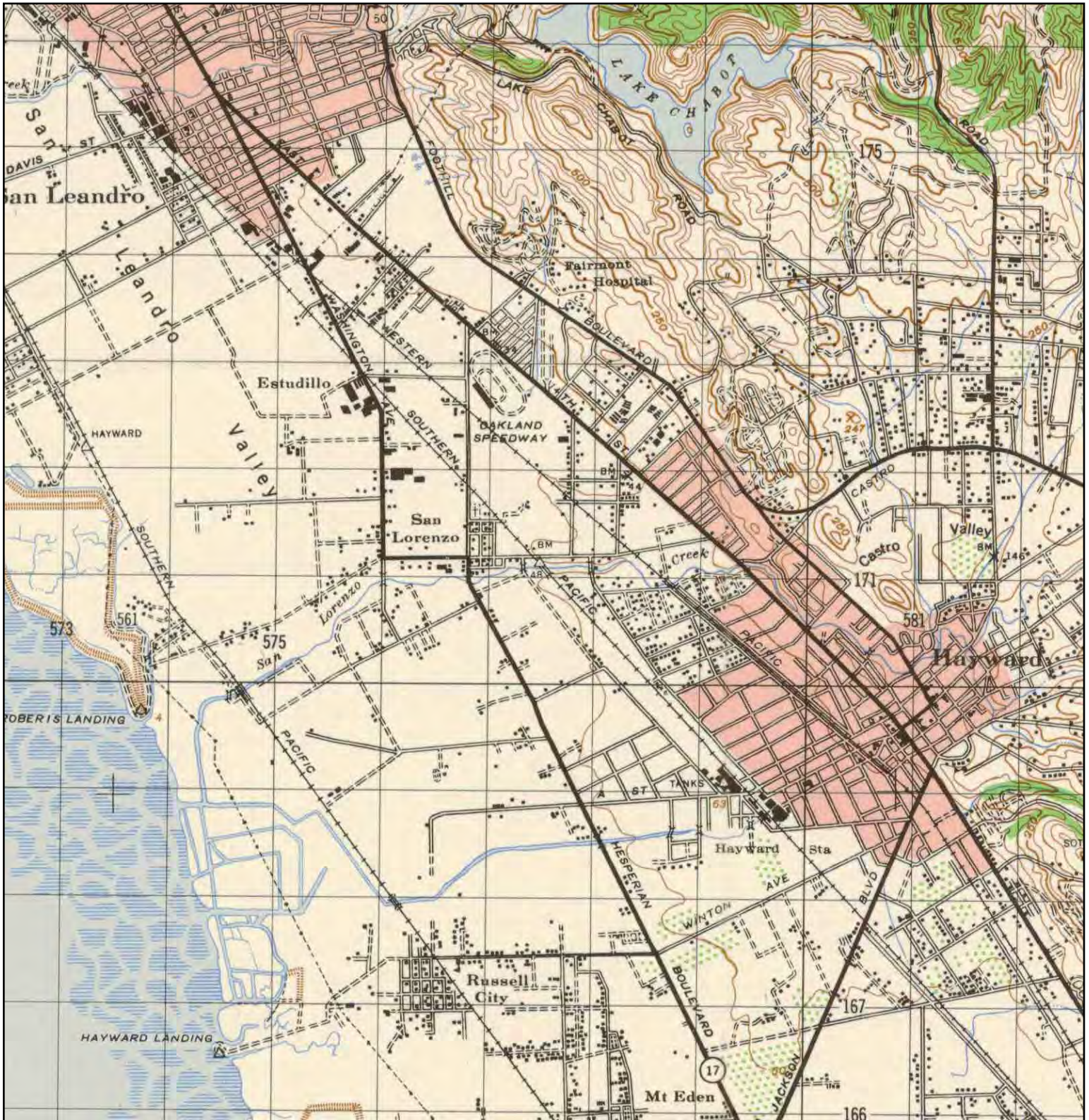
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Historical Topographic Map



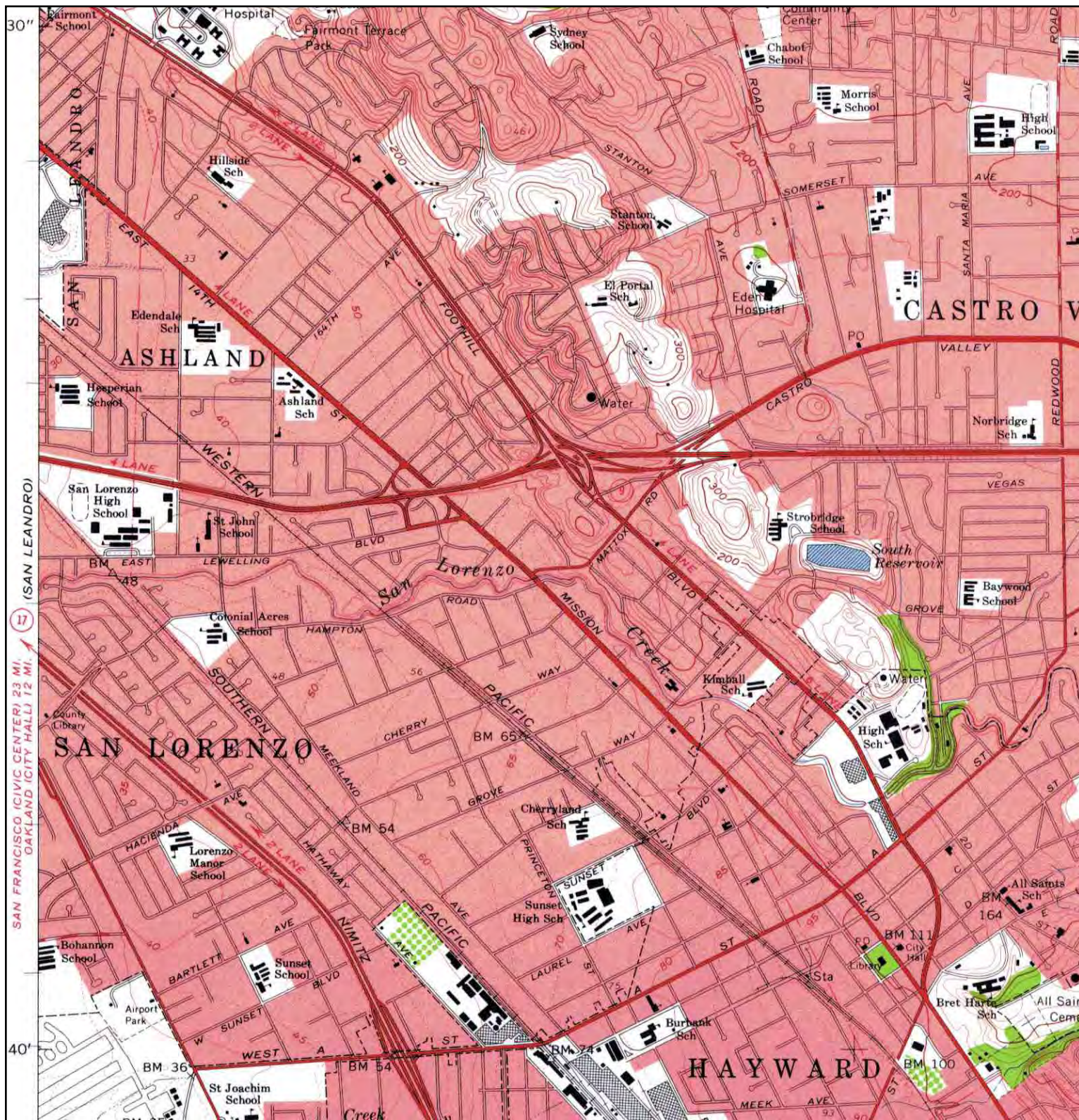
	TARGET QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.
	NAME: HAYWARDS	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR: 1899		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	SERIES: 15	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SCALE: 1:62500				


Historical Topographic Map



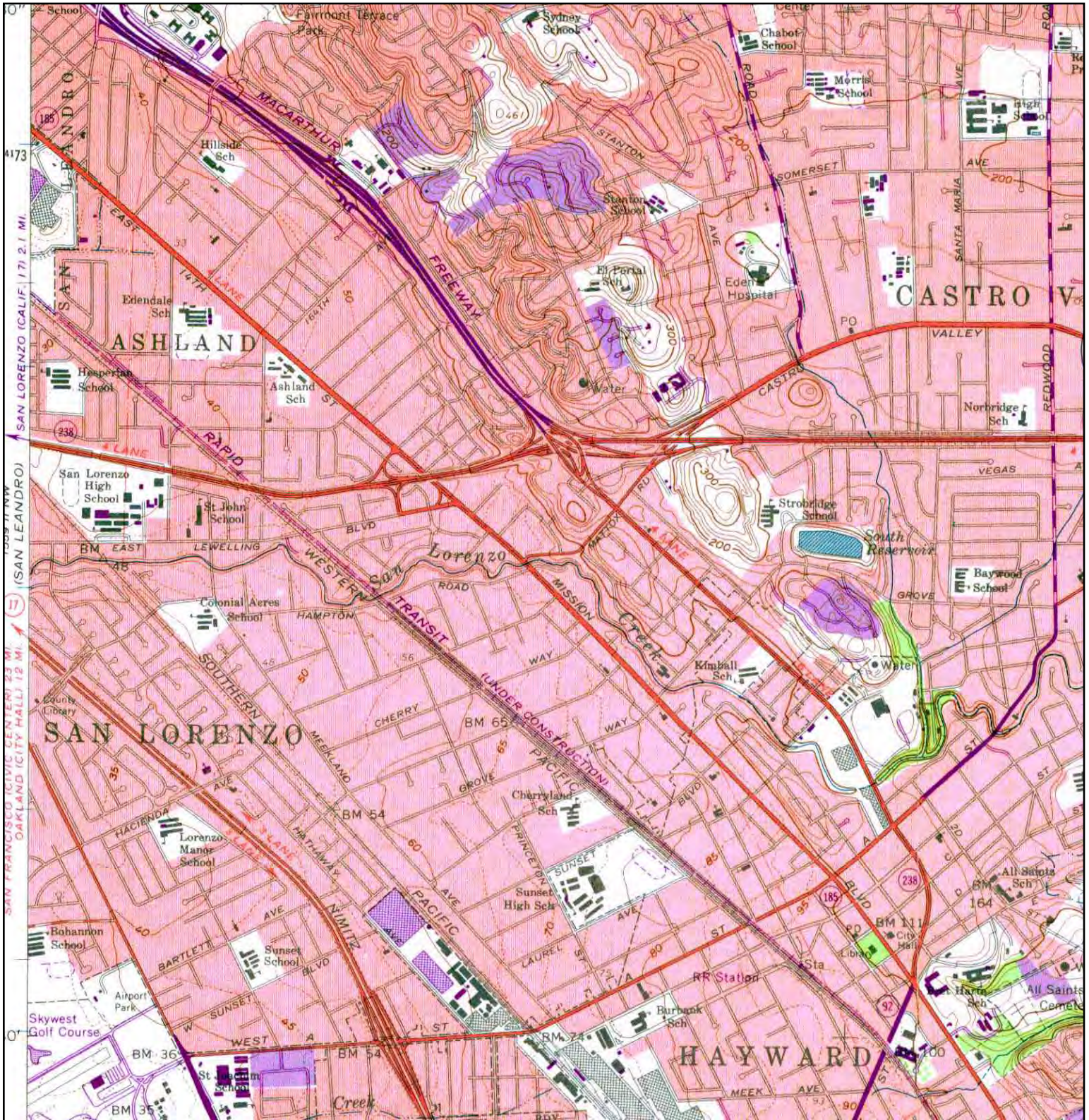
	TARGET QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.
	NAME: HOWARD	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR: 1948		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
		LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES: 15				
	SCALE: 1:50000				


Historical Topographic Map



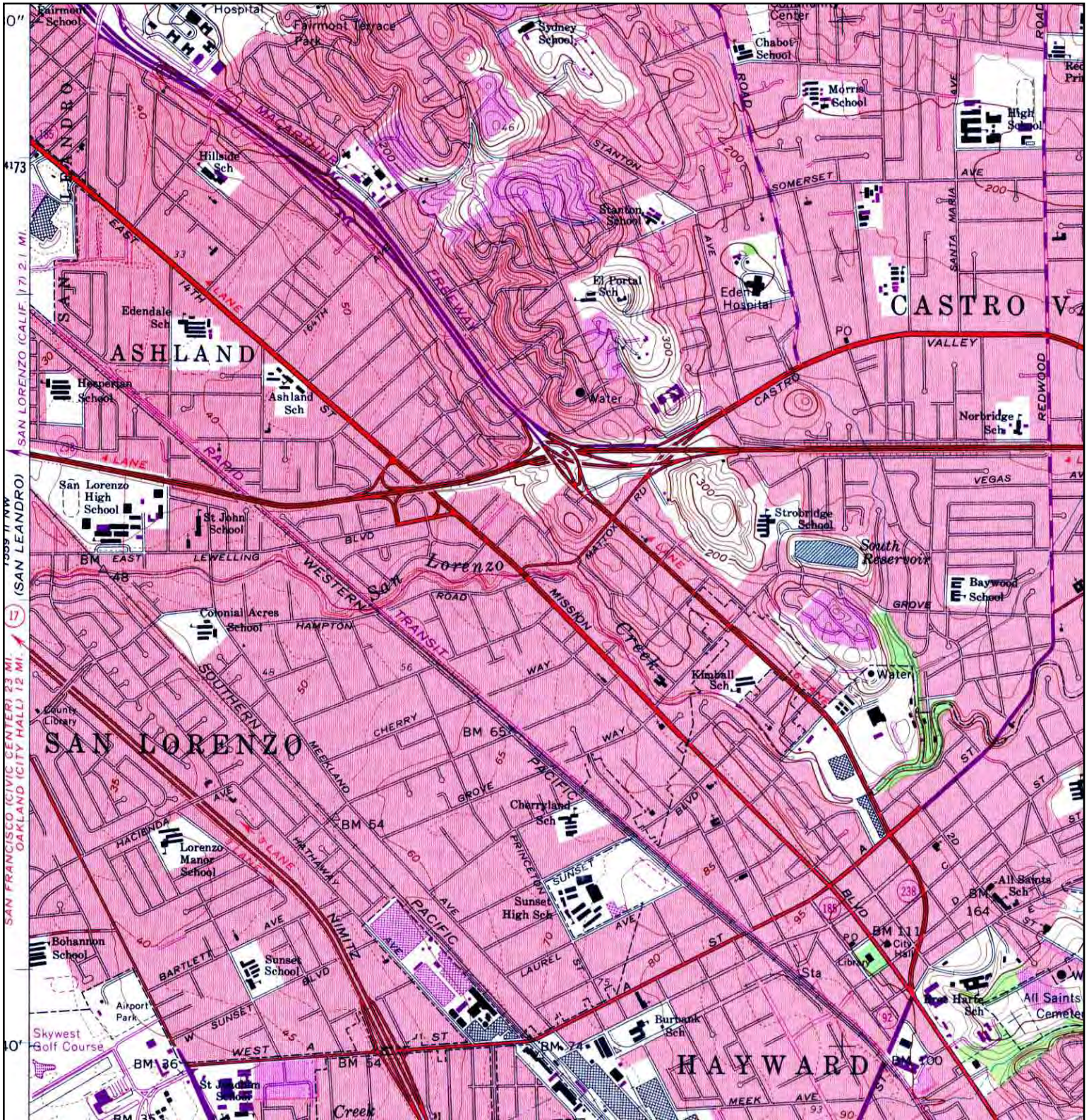
	TARGET QUAD NAME: HAYWARD MAP YEAR: 1959	SITE NAME: 186 E. Lewelling Boulevard ADDRESS: 186 E. Lewelling Boulevard San Lorenzo, CA 94580 LAT/LONG: 37.6867 / 122.1196	CLIENT: Sierra Environmental Inc. CONTACT: Mike Hagi INQUIRY#: 1779744.4 RESEARCH DATE: 10/20/2006
	SERIES: 7.5 SCALE: 1:24000		


Historical Topographic Map



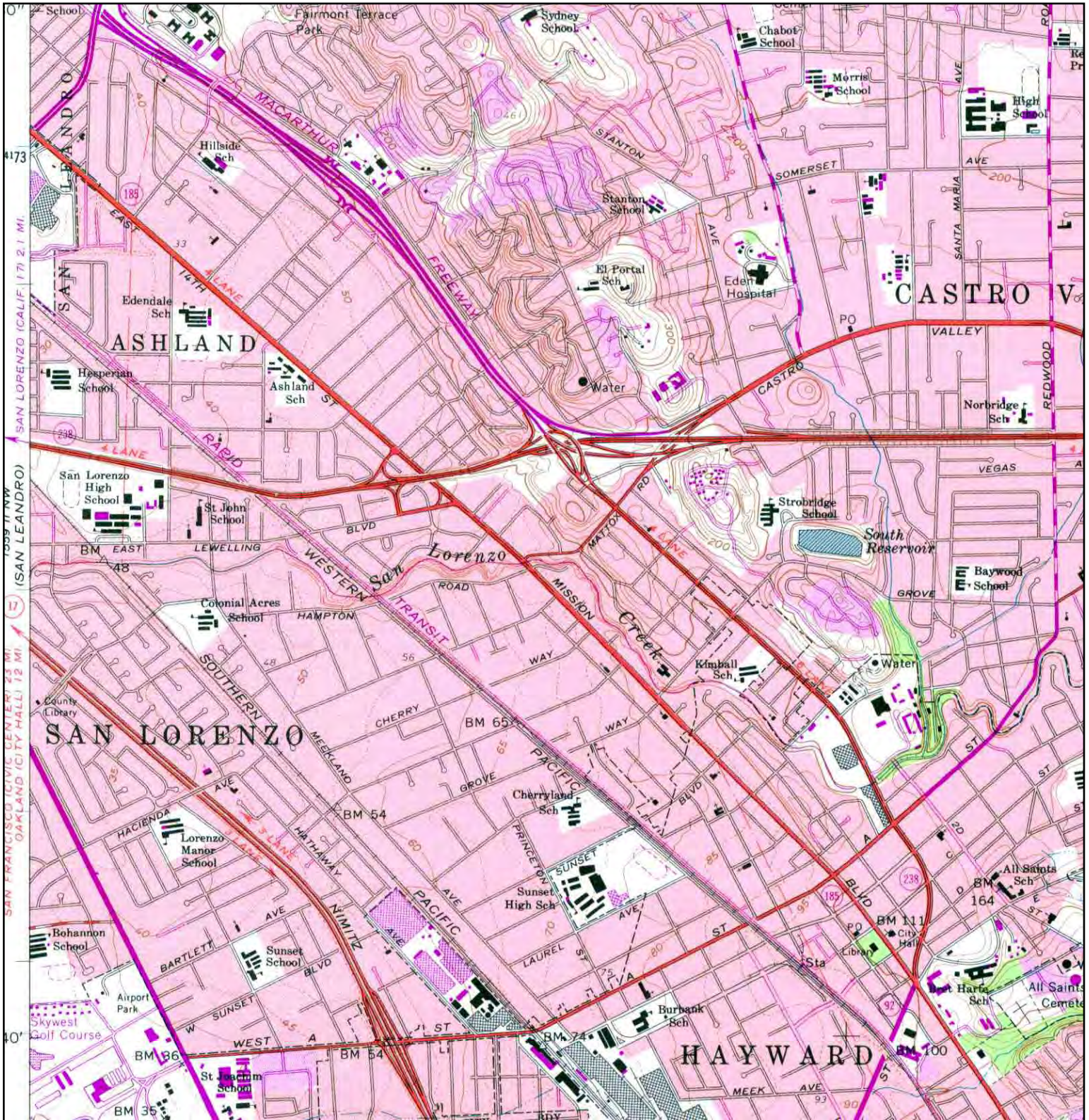
	TARGET QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.
	NAME: HAYWARD	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR: 1968		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	PHOTOREVISED: 1959	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES: 7.5				
	SCALE: 1:24000				


Historical Topographic Map



	TARGET QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.	
	NAME:	HAYWARD	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR:	1973		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	PHOTOREVISED:	1959	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES:	7.5				
	SCALE:	1:24000				

Historical Topographic Map



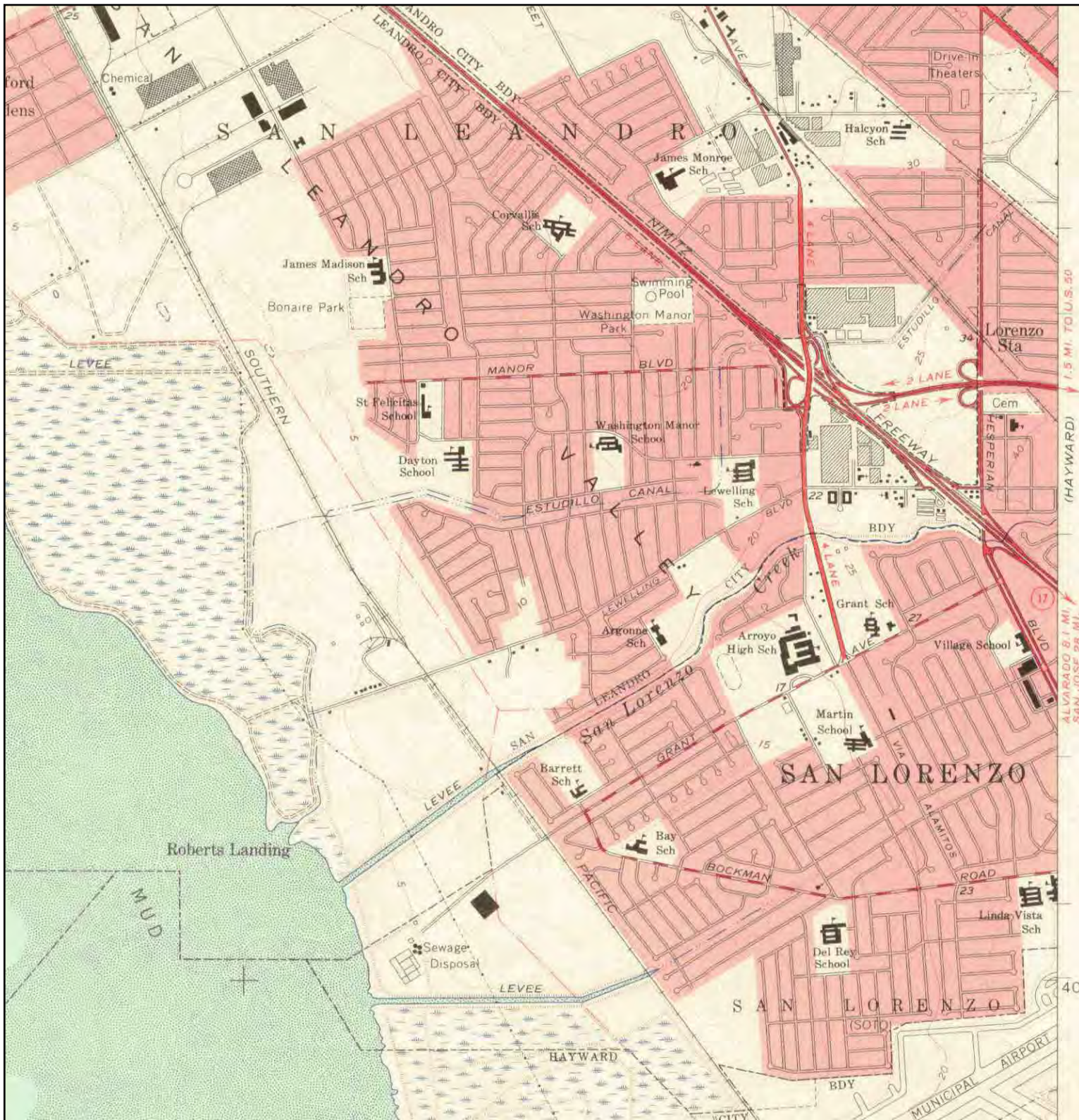
	TARGET QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.
	NAME: HAYWARD	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR: 1980		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	PHOTOREVISED: 1959	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES: 7.5				
	SCALE: 1:24000				


Historical Topographic Map



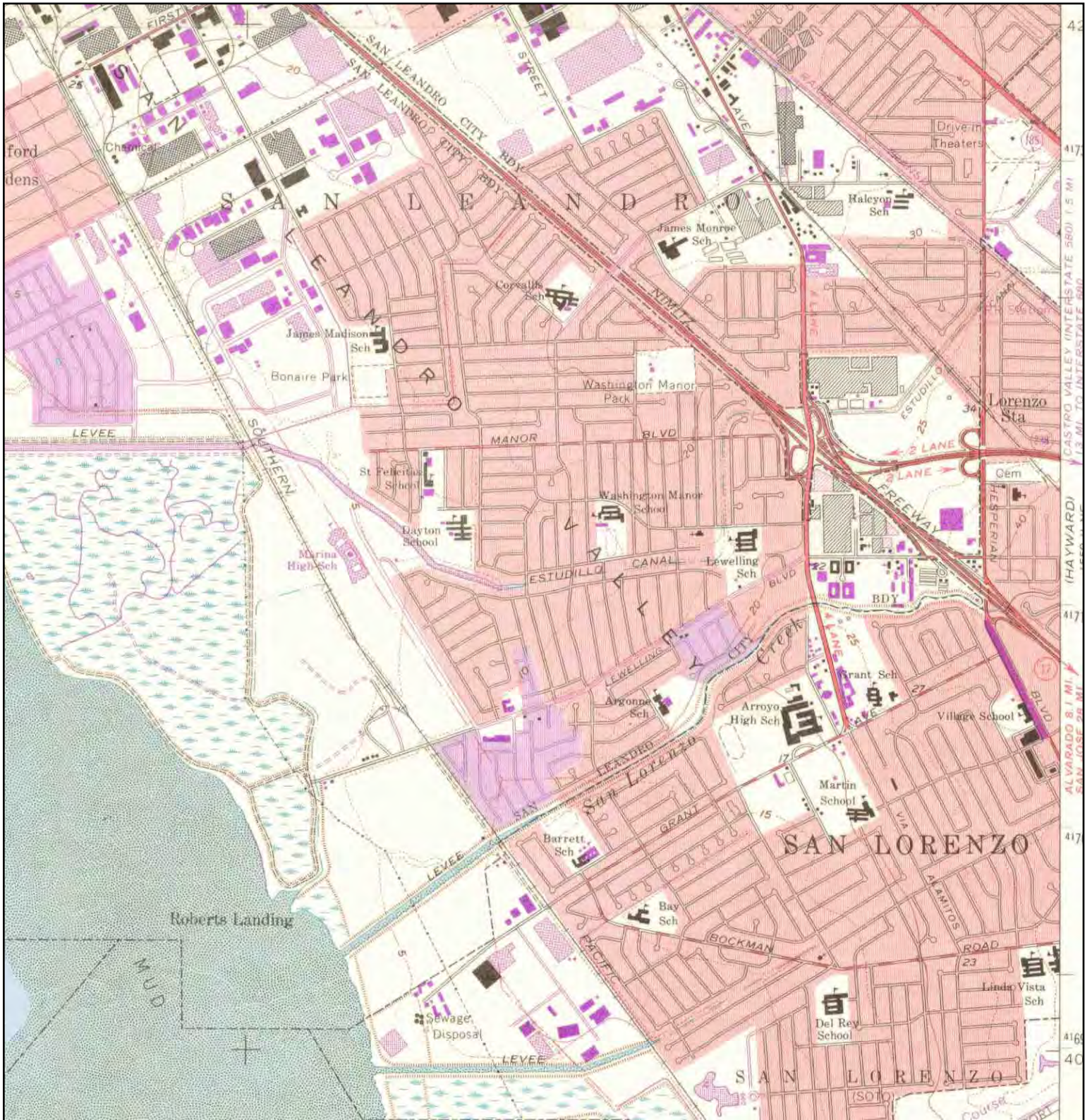
<p>N ↑</p>	<p>ADJOINING QUAD NAME: SAN LEANDRO MAP YEAR: 1948</p>	<p>SITE NAME: 186 E. Lewelling Boulevard ADDRESS: 186 E. Lewelling Boulevard San Lorenzo, CA 94580 LAT/LONG: 37.6867 / 122.1196</p>	<p>CLIENT: Sierra Environmental Inc. CONTACT: Mike Hagi INQUIRY#: 1779744.4 RESEARCH DATE: 10/20/2006</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



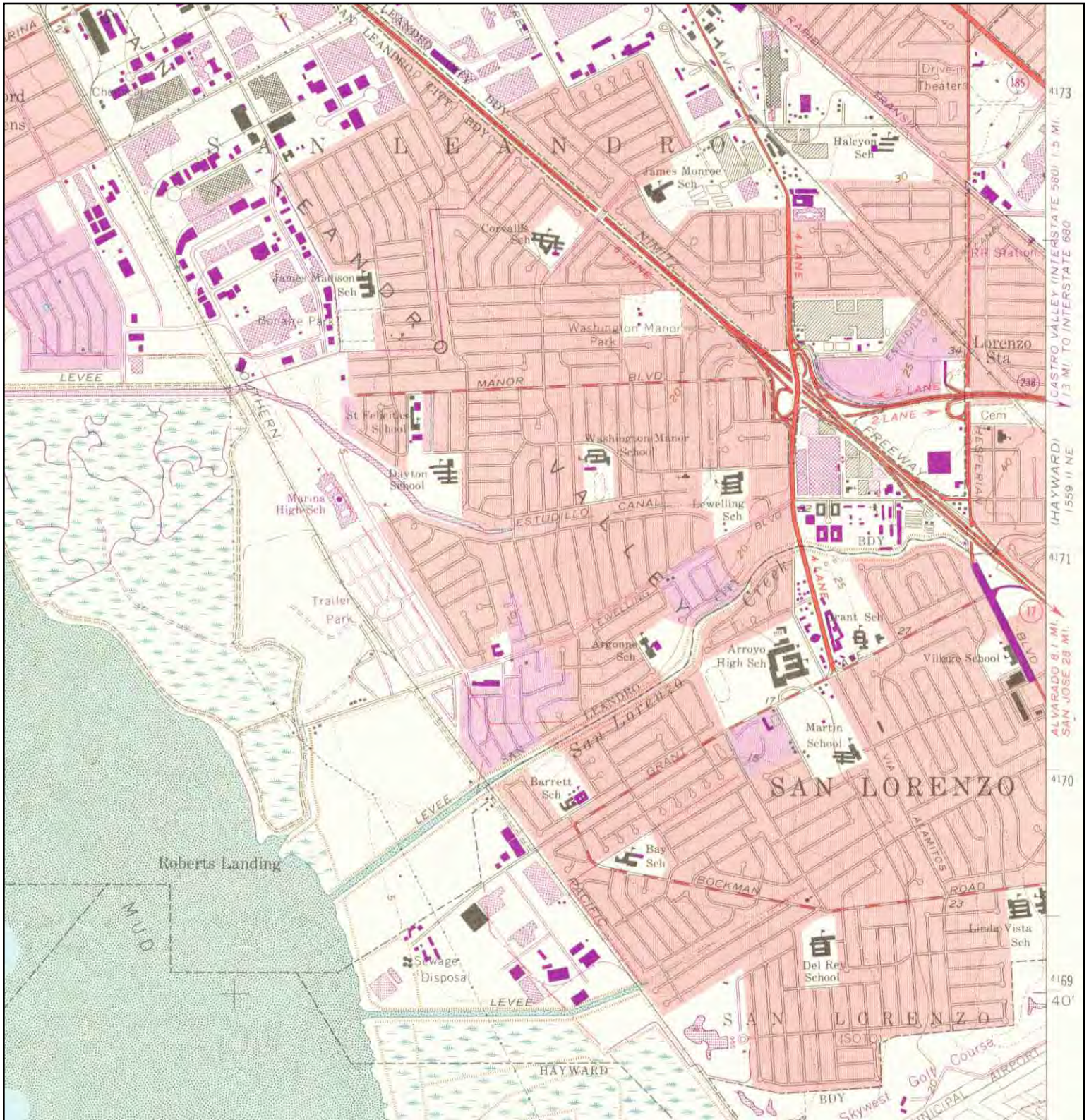
N 	ADJOINING QUAD NAME: SAN LEANDRO MAP YEAR: 1959	SITE NAME: 186 E. Lewelling Boulevard ADDRESS: 186 E. Lewelling Boulevard San Lorenzo, CA 94580 LAT/LONG: 37.6867 / 122.1196	CLIENT: Sierra Environmental Inc. CONTACT: Mike Hagi INQUIRY#: 1779744.4 RESEARCH DATE: 10/20/2006
	SERIES: 7.5 SCALE: 1:24000		


Historical Topographic Map



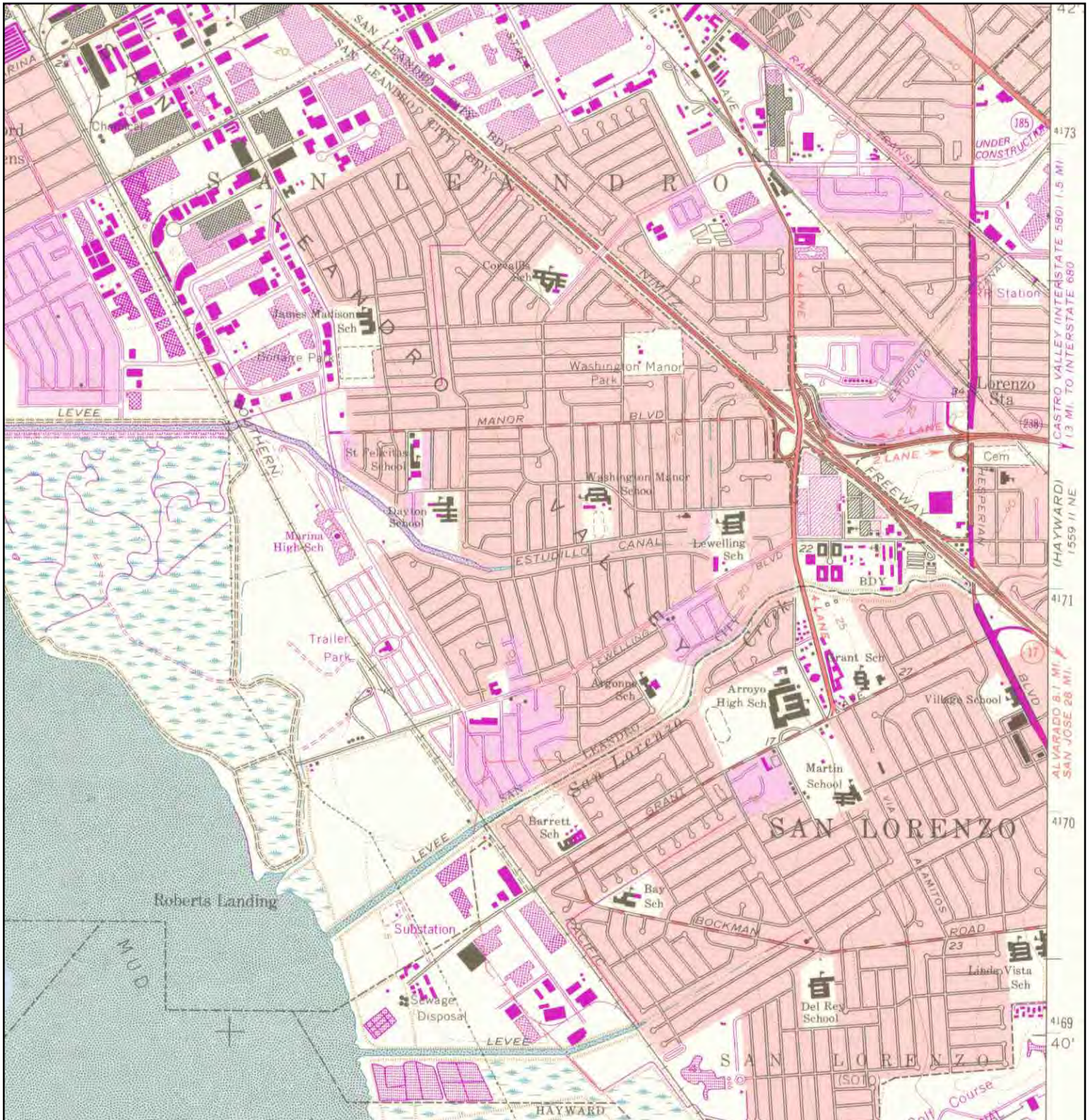
<p>N ↑</p>	ADJOINING QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.
	NAME: SAN LEANDRO	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR: 1968		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	PHOTOREVISED: 1959	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N</p> 	ADJOINING QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.
	NAME: SAN LEANDRO	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR: 1973		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	PHOTOREVISED: 1959	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES: 7.5				
	SCALE: 1:24000				


Historical Topographic Map



<p>N ↑</p>	ADJOINING QUAD	SITE NAME:	186 E. Lewelling Boulevard	CLIENT:	Sierra Environmental Inc.	
	NAME:	SAN LEANDRO	ADDRESS:	186 E. Lewelling Boulevard	CONTACT:	Mike Hagi
	MAP YEAR:	1980		San Lorenzo, CA 94580	INQUIRY#:	1779744.4
	PHOTOREVISED:	1959	LAT/LONG:	37.6867 / 122.1196	RESEARCH DATE:	10/20/2006
	SERIES:	7.5				
	SCALE:	1:24000				

Historical Topographic Map



	ADJOINING QUAD NAME: SAN LEANDRO MAP YEAR: 1993	SITE NAME: 186 E. Lewelling Boulevard ADDRESS: 186 E. Lewelling Boulevard San Lorenzo, CA 94580 LAT/LONG: 37.6867 / 122.1196	CLIENT: Sierra Environmental Inc. CONTACT: Mike Hagi INQUIRY#: 1779744.4 RESEARCH DATE: 10/20/2006
	SERIES: 7.5 SCALE: 1:24000		

The EDR Aerial Photo Decade Package

**186 E. Lewelling Boulevard
186 E. Lewelling Boulevard
San Lorenzo, CA 94580**

Inquiry Number: 1779744.5

October 20, 2006



The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06461**

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography October 20, 2006

Target Property:

186 E. Lewelling Boulevard

San Lorenzo, CA 94580

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1958	Aerial Photograph. Scale: 1"=555'	Flight Year: 1958	Cartwright
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1974	Aerial Photograph. Scale: 1"=601'	Flight Year: 1974	NASA
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	WSA
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS



INQUIRY #: 1779744.5

YEAR: 1939

| = 555'





INQUIRY #: 1779744.5

YEAR: 1946

| = 655'





INQUIRY #: 1779744.5

YEAR: 1958

| = 555'





INQUIRY #: 1779744.5

YEAR: 1965

| = 333'





INQUIRY #: 1779744.5

YEAR: 1974

| = 601'





INQUIRY #: 1779744.5

YEAR: 1982

| = 690'





INQUIRY #: 1779744.5

YEAR: 1993

| = 666'





INQUIRY #: 1779744.5

YEAR: 1998

| = 666'





EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

**186 E. Lewelling Boulevard
186 E. Lewelling Boulevard
San Lorenzo, CA 94580**

Inquiry Number: 1779744.6

Friday, October 20, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2002. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 1/8th of a mile of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources: October 20, 2006

Target Property:

186 E. Lewelling Boulevard
San Lorenzo, CA 94580

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Address Not Listed in Research Source	R. L. Polk & Co. of California
1925	Address Not Listed in Research Source	R. L. Polk & Co. of California
1926	Address Not Listed in Research Source	R. L. Polk & Co.
1932	Address Not Listed in Research Source	R. L. Polk & Co. of California
1933	Address Not Listed in Research Source	R. L. Polk & Co.
1938	Address Not Listed in Research Source	Pacific Telephone
1940	Address Not Listed in Research Source	R. L. Polk & Co.
1943	Address Not Listed in Research Source	R. L. Polk & Co.
1945	Address Not Listed in Research Source	The Pacific Telephone & Telegraph Co.
1946	Address Not Listed in Research Source	R. L. Polk & Co.
1950	Address Not Listed in Research Source	The Pacific Telephone & Telegraph Co.
1951	Address Not Listed in Research Source	R. L. Polk & Co.
1954	Address Not Listed in Research Source	R. L. Polk & Co. of California
1955	Address Not Listed in Research Source	R. L. Polk & Co.
1956	Address Not Listed in Research Source	Pacific Telephone
1959	Address Not Listed in Research Source	R. L. Polk & Co.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	<u>**E LEWELLING BLVD**</u> MOBIL SERVICE STN DLRS (186)	Pacific Telephone
1962	Address Not Listed in Research Source	Pacific Telephone
1965	<u>**E LEWELLING BLVD**</u> CRAVEN GENE SERVICE STN (186) MOBIL SERVICE \$TN DLRS (186)	R. L. Polk & Co.
1967	Address Not Listed in Research Source	R. L. Polk Co.
1970	Address Not Listed in Research Source	R. L. Polk & Co.
1973	<u>**E LEWELLING BLVD**</u> CHARLIE S MOBIL SERVICE (186)	Pacific Telephone
1975	Address Not Listed in Research Source	Pacific Telephone
1976	<u>**E LEWELLING BLVD**</u> CHARLIE S MOBIL SERVICE (186)	R. L. Polk & Co.
1979	<u>**E LEWELLING BLVD**</u> CHARLIE S MOBIL SERVICE (186)	Pacific Telephone
1980	Address Not Listed in Research Source	Pacific Telephone
1982	<u>**E LEWELLING BLVD**</u> AUTO SERVICE CLINIC SAN LORENZO (186)	Pacific Telephone
1984	Address Not Listed in Research Source	Pacific Bell
1986	Address Not Listed in Research Source	Pacific Bell White Pages
1991	Address Not Listed in Research Source	Pacific Bell White Pages
1992	Address Not Listed in Research Source	Pacific Bell Directory
1996	Address Not Listed in Research Source	Pacific Bell Directory
2000	Address Not Listed in Research Source	Pacific Bell
2002	<u>**E LEWELLING BLVD**</u> GRAFFENSTATCIARL (186) MC AUTO SERVICE (186)	PACIFIC BELL

Adjoining Properties

SURROUNDING

Multiple Addresses
San Lorenzo, CA 94580

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Address Not Listed in Research Source	R. L. Polk & Co. of California
1925	Address Not Listed in Research Source	R. L. Polk & Co. of California
1926	Address Not Listed in Research Source	R. L. Polk & Co.
1932	Address Not Listed in Research Source	R. L. Polk & Co. of California
1933	Address Not Listed in Research Source	R. L. Polk & Co.
1938	Address Not Listed in Research Source	Pacific Telephone
1940	Address Not Listed in Research Source	R. L. Polk & Co.
1943	Address Not Listed in Research Source	R. L. Polk & Co.
1945	Address Not Listed in Research Source	The Pacific Telephone & Telegraph Co.
1946	Address Not Listed in Research Source	R. L. Polk & Co.
1950	Address Not Listed in Research Source	The Pacific Telephone & Telegraph Co.
1951	Address Not Listed in Research Source	R. L. Polk & Co.
1954	Address Not Listed in Research Source	R. L. Polk & Co. of California
1955	<u>**SAINT JOHNS DR**</u> GREENBERG AARON M SNLORNZO (15928)	R. L. Polk & Co.
1956	Address Not Listed in Research Source	Pacific Telephone
1959	Address Not Listed in Research Source	R. L. Polk & Co.
1960	<u>**ASHLAND AVE**</u> MOURA GERALD (16600) SORENSEN VIGGO G (16601)	Pacific Telephone

Year Uses

Source

1960 (continued)

HUISINGA FW (16623)
MOORE LESLIE L (16625)
SISTER SUPERIOR (16642)
CAMACHO V D (16643)

****COLONIAL DR****

Pacific Telephone

DE SMITH WM B (43)
MC INTOSHI EDW D (58)
SATE MARK (59)

****SAINT JOHNS CT****

Pacific Telephone

JOSEPH CLYDE C (32)
SEEMAN ALBERT M (44)
SUPRIAINO FRED (45)
HIZKNECHT ROBT B (56)
BARTLES W H CDR (70)

****SAINT JOHNS DR****

Pacific Telephone

SHIGEKAWA TONY T ISWC (19)
GREENBERG AARON M (15920)
OHON LOREN & (15921)
FARIS STANLEY R (15927)
UNTER W E (15933)
GOLTZ ROLAND H (15939)
DYER JOS (15951)
MURPHY IMOGENE (15957)
MURPHY MG (15957)
BANCHERO JOE (15958)

****E LEWELLING BLVD****

Pacific Telephone

HAYWARD HIGH SCHOOL (50)
DANIEL RAY FURNITURE (75)
DANIEL RAY FURNITURE & UPHOLSTERING (75)
MOSIMAN FRED (80)
KELLOGG MUSIC INCORPORATED (83)
AQUATIC HOUSE TROPICAL FISH & SUPPIS (95)
GRIFFITH WARREN B CONTR I (97)
SILVA CLAUDE T (144)
HILL EDITH (145)
ANDERSON HELEN E REAL ESTATE (153)
CAYWOOD S UPHOLSTERING (155)
HERBERT OLIVE I (165)
BUEHLER FRED (177)
THOMAS WM M (181)
CHAVEZ JOHN (183)
CAMANIO JOAQUIN (195)

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	(continued)	
	WALSH S TEXACO SERVICE (202)	
	LEWELLING COFFEE SHOP (203)	
	BAY CITIES WRECLINGU CO (205)	
	GONZALES H BAY CITIES WRECKNG CO (205)	
	PASHON MI L (221)	
	ZUVELLA JOHN (225)	
1962	**ASHLAND AVE**	Pacific Telephone
	HUISINGA F W (16623)	
	SISTER SUPERIOR (16642)	
	ST JOHNS DR	Pacific Telephone
	GOLTZ ROLAND H (15939)	
	BANCHERO JOE (15958)	
	E LEWELLING BLVD	Pacific Telephone
	ANDERSON EMERY LAND ASSOCIATES INC (75)	
	ANDERSON EMERY LAND ASSOCIATES INC (75)	
	BRENNAN BUD LAND ASSOCIATES INC (75)	
	BRENNAN HAROLD J BUD LAND ASSOCIATES INC (75)	
	EARP KEN H LAND ASSOCIATES INC (75)	
	EARP KENNETH H LAND ASSOCIATES INC (75)	
	FOREST ANTHONY J LAND ASSOCIATES INC (75)	
	FURRER DICK LAND ASSOCIATES INC (75)	
	FURRER DICK LAND ASSOCIATES INC (75)	
	LAND ASSOCIATES INC (75)	
	LAND ASSOCIATES INC (75)	
	LINDSEY H J HI LAND ASSOCIATES INC (75)	
	LINDSEY H J LAND ASSOCIATES INC (75)	
	ONEIL HARRY L LAND ASSOCIATES INC (75)	
	SPREITER SHERWOOD G LAND ASSOCIATES INC (75)	
	KELLOGG MUSIC INCORPORATED (83)	
	KELLOGG MUSIC INCORPORATED (83)	
	LEWELLING FLOWER SHOP (105)	
	SOUZA EDITH (125)	
	HERBERT OLIVE (165)	
	JUNET UPHOLSTERERS FRAMES (221)	
1965	**ASHLAND AVE**	R. L. Polk & Co.
	MOURA GERALD (16600)	
	RANEY DON W (16601)	
	PASHOTE ED (16620)	
	ABBOTT ORA L (16623)	
	PRICE DONALD C (16625)	
	SISTER SUPERIOR (16642)	
	CANACHO V D (16643)	

Year Uses

Source

1965 (continued)

SICVA OLIVER J (16663)

****COLONIAL DR****

R. L. Polk & Co.

DE SMITH WM B (43)

HABER SANFORD (58)

SATO MARK (59)

****E LEWELLING BLVD****

R. L. Polk & Co.

SAN LORENZO HIGH SCHOOL (50)

SAN LORENZO HIGH SCHOOL (50)

HARBERT CHAS L S (57)

KAMMERMEIER HANK LND ASSOCIATES INC (75)

ROSS BICYCLE & FIXIT SHOP (77)

S & A APPLIANCE REPAIR SERV (83)

A L CATERING (95)

ABLE BUILDERS CO S (97)

LEWELLING FLOWER SHOP (105)

DOUGLAS JAS C (125)

HURST GAM (125)

JOHNSON MURIEL M (125)

PETERSON LE ROY D (125)

SHERROD DONALD E (125)

SULLIVAN NATALIE MRS (125)

SULLIVAN WM H (125)

TOOMBES PATSY GENE (125)

CLEARWATER CLARK W (135)

CLEARWATER FRANCES (135)

OLLVERA MARVLNL IM (143)

SILVA CLAUDE T (144)

SEVEN CITY BROKERAGE (151)

ECHO REALTY (155)

HERBERT ERNEST C ECHO RITY (155)

HERBERT CAMILLE (165)

BUEHLER FRED (177)

THOMAS WM M (181)

CAMANIO JOAQUIN (195)

STYLES JACK TEXACO SERVICE (202)

LEWELLING COFFEE SHOP (203)

ALL BAY CITIES WRECKING & EXCAVATING (205)

GONZALES H ALT BAY CITIES WRECKNG CO (205)

SILVA THELMA (209)

JUNET BOB JR (221)

JUNET UPHOLSTERER S FRAMES (221)

PALO LELA R (231)

PORTER FREDRIC A (231)

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	(continued)	
	BOGGS C P (125)	
	DALY ALAN (125)	
	EQUITY REAL ESTATE CO (125)	
	HOWARD RONALD M (125)	
	MACK STEPHEN J (125)	
	MULLEN M (125)	
	CLEARWATER CLARK W (135)	
	LANGFORD HILDA H (173)	
	CAGE A F (175)	
	BUELLER FRED (177)	
	FRATES G O (183)	
	FROKE CLARENCE (185)	
	GRIFFITH WARREN B BLDGDESGNR (197)	
	DEL RIO S TEXACO (202)	
	LEWELLING COFFEE SHOP (203)	
	ALL BAY CITIES WRECKING & EXCAVATING (205)	
	GONZALES H ALL BAY CITIES WRECKING & EXCAVATIRIG (205)	
	DIANNE S INSPIRATIONAL STYLING (209)	
	DON S CARPET LAYING CO (221)	
	ELDREDGE A ROSS (231)	
	MARTIN GERALD (237)	
1975	<u>**COLONIAL CT**</u>	Pacific Telephone
	LATSPEICH STEVEN (58)	
	<u>**SAINT JOHNS CT**</u>	Pacific Telephone
	PALO RICHARD K (68)	
	<u>**SAINT JOHNS DR**</u>	Pacific Telephone
	BANCHERO JOE (15958)	
	<u>**E LEWELLING BLVD**</u>	Pacific Telephone
	LOU-JAK TRUCKING SERVICE (165)	
	MARTIN GERALD (237)	
1976	<u>**ASHLAND AVE**</u>	R. L. Polk & Co.
	BERTOLA EDMIOND JR (16601)	
	ABBOTT ORA L (16623)	
	CAMACHO V D (16643)	
	<u>**COLONIAL DR**</u>	R. L. Polk & Co.
	KAMEI TATSUNORI (43)	
	<u>**E LEWELLING BLVD**</u>	R. L. Polk & Co.
	GOUVEIA S TAX SERVICE (69)	
	AB LE BUILDERS CO (93)	
	PACE SETTER COIFFEURS THE (95)	
	MATTOVICH DAVID (97)	

Year Uses

Source

1976 (continued)

LEWELLING FLOWER SHOP (105)
DETCO (155)
LANGFORD HILDAI H (173)
CAGE A F (175)
BUEHLER FRED (177)
GOLEEKE L J (185)
HADLC IK E (187)
CAMINO BENERN (195)
JIMENEZ VINCENT (197)
JIMENEZ VINCENT RI OST (197)
DON S CARPET LAYING CO (221)
ELDREDGE A ROSS (231)

1979 ****ASHLAND AVE****

Pacific Telephone

MOURA GERALD (16600)
GRAVES L (16605)
CAMACHO V D (16643)
HOARD RONALD W (16677)

****COLONIAL DR****

Pacific Telephone

KAMEI TATSUNORI (43)

****E LEWELLING BLVD****

Pacific Telephone

POLYGFYCOAT C P C DISTRIBUTORS INC S (63)
HELM LC (71)
PACE SETTER COIFFEURS THE (95)
LEWELLING FLOWER SHOP (105)
DIAS PETER G (125)
LEWIS SHEILA (125)
MYERS PAT (125)
CASWELL C A (145)
LANGFORD HILDA H (173)
BUEHLER FRED (177)
HADLOCK E (187)
DUGGER JAS R (191)
DANTCHE JOHN (195)
ALL BAY CITIES WRECKING CO & EXCAVATING (205)
COZY COTTAGE SOLARIUM OF BEAUTY (207)
HANDOR ROBERT (215)
DON S CARPET LAYING CO (221)
BEICHER ALAN RAY (231)
CAMP LYNN D (231)
BENINCASA MICHAEL (237)

****COLONIAL CT****

Pacific Telephone

TASTOR JOHN E (58)

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	<u>**ASHLAND AVE**</u> SISTER SUPERIOR (16642)	Pacific Telephone
	<u>**ST JOHNS CT**</u> PALO RICHARD K (68)	Pacific Telephone
	<u>**ST JOHNS DR**</u> DORFF KENNARD L JR (15928)	Pacific Telephone
	<u>**E LEWELLING BLVD**</u> RED CARPET REAL ESTATE (75) LEWELLING FLOWER SHOP (105) SHAMROCK REALTY (153) SULLIVAN JOHN SHAMROCK REALTY (153)	Pacific Telephone
1982	<u>**ASHLAND AVE**</u> MOURA GERALD SAN LORENZO (16600) SISTER SUPERIOR SAN LORENZO (16642) CAMACHO V D SAN LORENZO (16643)	Pacific Telephone
	<u>**COLONIAL DR**</u> KAMEL TATSUNORI SAN LORENZO (43) SATO MARK SAN LORENZO (59)	Pacific Telephone
	<u>**SAINT JOHNS CT**</u> PALO RICHARD K SAN LORENZO (68) MORKIN THOS E SAN LORENZO (70) LASTER WM N SAN LORENZO (71)	Pacific Telephone
	<u>**SAINT JOHNS DR**</u> BLUMERT STEPHEN SAN LORENZO (15921) FARIS BRIAN R SAN LORENZO (15927) FARIS STANLEY R SAN LORENZO (15927) DORFF KENNARD L JR SAN LORENZO (15928) HIGH KENNETH L SAN LORENZO (15933) SISSON NORMAN F SAN LORENZO (15951)	Pacific Telephone
	<u>**E LEWELLING BLVD**</u> SAN LORENZO HIGH SCHOOL SAN LORENZO (50) DYER GENE SAN LORENZO (60) GOUVEIA S TAX SERVICE SAN LORENZO (69) HELM L C SAN LORENZO (71) FRONTIER LAND & INVESTMENT CO SAN LORENZO (75) L & M TAX SERVICE SAN LORENZO (75) ROSS BICYCLE SHOP SAN LORENZO (77) ANN S DANCE WORKSHOP SAN LORENZO (83) LEWELLING FLORIST (105) DIAS PETER G SAN LORENZO (125) ESPINOZA STAN A SAN LORENZO (125)	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1982	(continued)	
	MILLEMAN PETER & CINDY SAN LORENZO (125)	
	PRO SYSTEM SAN LORENZO (125)	
	SWAN IRWIN D SAN LORENZO (125)	
	SILVA CLAUDE T SAN LORENZO (144)	
	CASWELL C A SAN LORENZO (145)	
	SHAMROCK REALTOR LOR-MAR INC SAN LORENZO (153)	
	LANGFORD HILDA H SAN LORENZO (173)	
	BUEHLER FRED SAN LORENZO (177)	
	HADLOCK E SAN LORENZO (187)	
	FINNERAN D SAN LORENZO (195)	
	SOUZA RAY SAN LORENZO (197)	
	LEWELLING COFFEE SHOP SAN LORENZO (203)	
	ALL BAY CITIES WRECKING CO & EXCAVATING SAN LORENZO (205)	
	COZY COTTAGE STYLING SALON SAN LORENZO (207)	
	DON S CARPET LAYING CO SAN LORENZO (221)	
	DONNELLY C A SAN LORENZO (231)	
	LOPEZ TIMOTEO T SAN LORENZO (231)	
1984	Address Not Listed in Research Source	Pacific Bell
1986	<u>**ASHLAND AVE**</u>	Pacific Bell White Pages
	SISTER SUPERIOR (16642)	
	<u>**ST JOHNS DR**</u>	Pacific Bell White Pages
	DORFF KENNARD L JR (15928)	
	<u>**E LEWELLING BLVD**</u>	Pacific Bell White Pages
	S HAMROCK RE ALTOR LOR MAR IN C (153)	
1991	<u>**ASHLAND AVE**</u>	Pacific Bell White Pages
	SISTER SUPERIOR (16642)	
	<u>**ST JOHNS DR**</u>	Pacific Bell White Pages
	DORFF KENNARD JR (15928)	
	DORFLERL E (15928)	
	DORFLINGER T (15928)	
	DORFMAN A (15928)	
	<u>**E LEWELLING BLVD**</u>	Pacific Bell White Pages
	APOLLOHE AT N AIRE (60)	
	S HAMROCK RE ALTOR LOR MAR IN C (153)	
1992	Address Not Listed in Research Source	Pacific Bell Directory
1996	Address Not Listed in Research Source	Pacific Bell Directory
2000	Address Not Listed in Research Source	Pacific Bell

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	<u>**ASHLAND AVE**</u> MOURAGERALD (16600) PATBICIOKA (16601) PATRICI (16601) LEEMCHAEL (16605) POWERSRCHARD (16623) XXXX (16642) MORRIS ANTHONY (16643) BOWENJAHN (16663) NOL 0 FE 096 APARRIO JORGE J (16663)	PACIFIC BELL
	<u>**LOMA VERDE DR**</u> REED MICHAEL (244)	PACIFIC BELL
	<u>**ST JOHNS DR**</u> STILESEVA (15920) ACORDCARY 00 I (15921) FARISMARK (15927) PARIS STANLEY R (15927) DORFFKENNARD LJR (15928) ALVAREZRAFAEL (15933) GOLDMAN DAVLD A (15939) BARITELLJE SREY (15945) SISSONNORMAN (15951) OBRICKEYA (15957) 8 BANCHEROJOSEPH (15958)	PACIFIC BELL
	<u>**ST JOHNS ST**</u> PRESTO FRANK D (1) LAWOFC SOF (3) CYNTHIAA (7) HEASOM MAGNUS (7) ACCNTNCY CORP (9) ESCPA (9) ESCPA (9) HEASON CYNTHIAA (9) JO BETTY ALLEN (9) LAWOFC SOF (9) MAGNUSCYNTHIAA (9) PRESTOFRANK 0 D (9) STOKLOSAMARK (9) STROTHER 8 ASSOCIAT (9) STROTHER DAIVDM (9) STROTHER&ASSOCIAT (9)	PACIFIC BELL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002 (continued)	W MAGNUSCYNTHIAA (9)	
	<u>**ASHLAND AVE**</u>	PACIFIC BELL
	MOURAGERALD (16600)	
	PATBICIOKA (16601)	
	PATRICI (16601)	
	LEEMCHAEAL (16605)	
	POWERSRCHARD (16623)	
	XXXX (16642)	
	MORRIS ANTHONY (16643)	
	BOWENJAHN (16663)	
	<u>**LOMA VERDE DR**</u>	PACIFIC BELL
	REED MICHAEL (244)	
	<u>**ST JOHNS CT**</u>	PACIFIC BELL
	ALCANTARAANN (32)	
	CALDERONMARCEL (33)	
	FREITAS ROLAND (44)	
	SANTOSTAMI (45)	
	VILLARREALJESUS (56)	
	WANG DAUID DO (57)	
	DESALVOFRANK (68)	
	PEFEZJUAN (69)	
	OBURLEYP (70)	
	<u>**ST JOHNS DR**</u>	PACIFIC BELL
	STILESEVA (15920)	
	ACORDCARY I (15921)	
	FARISMARK (15927)	
	PARIS STANLEY R (15927)	
	DORFFKENNARD LJR (15928)	
	ALVAREZRAFAEL (15933)	
	GOLDMAN DAVLD A (15939)	
	BARITELLJE SREY (15945)	
	SISSONNORMAN (15951)	
	OBRICKEYA (15957)	
	BANCHEROJOSEPH (15958)	
	<u>**E LEWELLING BLVD**</u>	PACIFIC BELL
	SANLRIOZSCHN (50)	
	SAI LRNZO (50)	
	A O JOHN (53)	
	CON 4 OUTLET (58)	
	SE O (59)	
	STALLATION (61)	
	EQQORAS FLOWERS (65)	

Year Uses

Source

2002 (continued)

S 7 MAKING WAVES (65)
L O P (75)
LA GS FURBITURE 510 B (75)
HARRI SONJANES I (96)
APARF TMENTS (103)
APARTMENTS (125)
CQRTTVZRAL IM (125)
CRAWF ORD 0 BR 4N IA (125)
MAENOELEJS OI (125)
PZOI 51 B (125)
WU SLEPHEN (125)
XXXX (145)
SOUIRES HOWARD F (150)
CAIMPBELLSOAN (152)
LORMARINC (153)
SHAAMROCKREALTOIO (153)
POOLEJARME (156)
XXXX (164)
JATC 2 AKI CASRRR C P&SEND TERPRISES (165)
WATSO RONALDR E (165)
XXXX (166)
SOLLERPAT (167)
JACKSON JW (168)
OMAOUEOAIRED A (170)
XXXX (172)
LANGFORDOH SLA (173)
10ST 0 NTOMMYM 2D (176)
30 NZALESC 0AEAS C ORCHARD SUPPLY (177)
XXXX (178)
OVPPONDGEORGE (181)
REPPONDGENXGE (183)
XXXX (191)
FIGUEROAERAN (197)
ODAWVSRAY (197)
RESTAURANT (203)
SU 1 N HUNAN (203)
61 MO ZALESHENRY (205)
LUCKY REALTY (205)
FROM HEAOTOTOE (207)
LAUF 0 ETALY 0RA (225)
DOMFI GUEZYOANRRO (231)
EASTBAY (231)
FLOORCVRNG (231)

Year **Uses**

2002 (continued)

SGREVESMARK (231)

Source

Appendix E
SENSITIVE RECEPTOR DATA
WATER WELLS & GEOCHECK® REPORT

Well Legend

DOM=Domestic well

IRR=Irrigation well

MUN= Municipal well

IND=Industrial well

CAT=Cathodic well

DES=well destroyed (through permit)

ABN=Abandoned and not being used (but has not been destroyed through permit process)

TES=Test well

BOR= Geotechnical investigation

MON= Monitoring well

EXT=Extraction/ Vapor wells

PIE=Piezometers

REC=Recovery well (extraction/ vapor)

? = Unknown or no information found or given

<u>Permit</u>	<u>Tr</u>	<u>Section</u>	<u>Address</u>	<u>Longcity</u>
	3S/2W	7A 9	764 GALWAY DRIVE	San Leandro
	3S/2W	7A 3	16284 ASHLAND AVE	San Lorenzo
	3S/2W	7A 4	878 ELGIN ST	San Lorenzo
	3S/2W	7A 7	16464 ASHLAND ST	San Lorenzo
	3S/2W	7A10	16501 Ashland Av	San Lorenzo
	3S/2W	7A11	16501 Ashland Av	San Lorenzo
	3S/2W	7A12	16501 Ashland Av	San Lorenzo
	3S/2W	7A 5	16435 ASHLAND ST	San Lorenzo
	3S/2W	7A 6	863 ELGIN ST	San Lorenzo
	3S/2W	7A 8	16414 ASHLAND ST	San Lorenzo
	3S/2W	7A 1	820 ELAND WAY	Hayward
	3S/2W	7A 2	786 ELGIN ST	San Leandro
	3S/2W	7C 1	SYCAMORE	San Lorenzo
	3S/2W	7F 1	15559 USHER	San Lorenzo
	3S/2W	7F18	15526 Hesperian Blvd	San Lorenzo
	3S/2W	7F19	15526 Hesperian Blvd	San Lorenzo
	3S/2W	7F20	15526 Hesperian Blvd	San Lorenzo
	3S/2W	7F14	15526 Hesperian Blvd.	San Lorenzo
	3S/2W	7F15	15526 Hesperian Blvd.	San Lorenzo
	3S/2W	7F16	15526 Hesperian Blvd.	San Lorenzo
95550	3S/2W	7F21	15526 Hesperian Blvd	San Lorenzo
	3S/2W	7F 2	15594 SHARON ST	San Leandro
	3S/2W	7F17	376 Lewelling Blvd.	San Lorenzo
	3S/2W	7E 7	15599 Hesperian Blvd	San Leandro
	3S/2W	7F10	376 Lewelling	San Lorenzo
	3S/2W	7F11	376 Lewelling	San Lorenzo
	3S/2W	7F12	376 Lewelling	San Lorenzo
	3S/2W	7F13	376 Lewelling	San Lorenzo
	3S/2W	7E 6	15599 Hesperian Blvd	San Leandro
	3S/2W	7F 4	376 Lewelling Blvd.	San Lorenzo
	3S/2W	7F 5	376 Lewelling Blvd.	San Lorenzo
	3S/2W	7F 6	376 Lewelling Blvd.	San Lorenzo
	3S/2W	7F 4	376 Lewelling Blvd	San Lorenzo
	3S/2W	7F 5	376 Lewelling Blvd	San Lorenzo
	3S/2W	7F 6	376 Lewelling Blvd	San Lorenzo
	3S/2W	7F 3	376 LEWELLING BLVD	San Lorenzo
	3S/2W	7E 5	15599 Hesperian Blvd	San Leandro
	3S/2W	7G17	West End Lewelling Blvd.	San Lorenzo
	3S/2W	7G18	West End Lewelling Blvd.	San Lorenzo
	3S/2W	7G19	West End Lewelling Blvd.	San Lorenzo
	3S/2W	7G20	West End Lewelling Blvd.	San Lorenzo
	3S/2W	7G21	West End Lewelling Blvd.	San Lorenzo
	3S/2W	7G 9	44 Lewelling Blvd	San Lorenzo
	3S/2W	7G 8	44 Lewelling Blvd	San Lorenzo
	3S/2W	7G 4	44 LEWELLING BLVD.	San Lorenzo
	3S/2W	7G 5	44 LEWELLING BLVD.	San Lorenzo
	3S/2W	7G 6	44 LEWELLING BLVD.	San Lorenzo
	3S/2W	7G 7	44 LEWELLING BLVD.	San Lorenzo
	3S/2W	7G 1	624 LEWELLING	San Lorenzo
	3S/2W	7G 3	SAN LORENZO H.S.	San Lorenzo
	3S/2W	7G13	50 E. Lewelling Blvd	San Lorenzo
	3S/2W	7G12	50 E. Lewelling Blvd	San Lorenzo

	3S/2W	7G10	50 E. Lewelling Blvd.	San Lorenzo
	3S/2W	7G11	50 E. Lewelling Blvd.	San Lorenzo
	3S/2W	7G22	100 Lewelling Blvd.	San Lorenzo
	3S/2W	7G23	100 Lewelling Blvd.	San Lorenzo
	3S/2W	7G24	100 Lewelling Blvd.	San Lorenzo
	3S/2W	7G25	100 Lewelling Blvd.	San Lorenzo
	3S/2W	7G14	44 Lewelling Blvd	San Lorenzo
	3S/2W	7G15	44 Lewelling Blvd	San Lorenzo
	3S/2W	7G16	44 Lewelling Blvd	San Lorenzo
	3S/2W	7G		
	3S/2W	7H 2	16467 ASHLAND AVE	San Lorenzo
93293	3S/2W	7H 6	16550 Ashland Av	San Lorenzo
93293	3S/2W	7H 7	16550 Ashland Av	San Lorenzo
93293	3S/2W	7H 8	16550 Ashland Av	San Lorenzo
	3S/2W	7H 1	16550 ASHLAND AVE	San Lorenzo
	3S/2W	7H 3	16550 ASHLAND AVE	San Lorenzo
	3S/2W	7H 4	16650 Ashland Av	San Lorenzo
	3S/2W	7H 5	16650 Ashland Av	San Lorenzo
	3S/2W	7J 1	16955 MEEKLAND AV	San Lorenzo
	3S/2W	7J 4	177 LEWELLING BLVD	San Lorenzo
	3S/2W	7J 3	16901 MEEKLAND AVE	San Lorenzo
	3S/2W	7J 5	165 LEWELLING BLVD	San Lorenzo
	3S/2W	7J 8	15939 VIA CORDOBA	San Leandro
	3S/2W	7J 6	?	San Lorenzo
	3S/2W	7J 7	16068 VIA CORDOBA	San Lorenzo
	3S/2W	7K 1	?	San Lorenzo
	3S/2W	7K 3	?	San Lorenzo
	3S/2W	7K 2	?	San Lorenzo
	3S/2W	7K 4	15804 Via Rivera	San Lorenzo
	3S/2W	7L 9	15900 Hesperian Blvd	San Lorenzo
	3S/2W	7L10	15900 Hesperian Blvd	San Lorenzo
	3S/2W	7L11	15900 Hesperian Blvd	San Lorenzo
	3S/2W	7L 8	15900 Hesperian	Hayward
	3S/2W	7L 7	15900 Hesperian	Hayward
	3S/2W	7L 6	15900 Hesperian	Hayward
	3S/2W	7L 1	15884 HESPERIAN BLVD	San Lorenzo
	3S/2W	7L 2	15884 HESPERIAN BLVD	San Lorenzo
	3S/2W	7L 3	15884 HESPERIAN BLVD	San Lorenzo
	3S/2W	7L 4	15884 HESPERIAN BLVD	San Lorenzo
	3S/2W	7L 5	15884 HESPERIAN BLVD.	San Lorenzo

<u>Owner</u>	<u>Update</u>	<u>Xcoord</u>	<u>Ycoord</u>	<u>Matchlevel</u>	<u>Tsrqg</u>
LORENZO MASONIC BLDG ASSO	6/1/88	1.22E+08	37690497	9	3S/2W 7A
MANUEL CABRAL	8/3/84	1.22E+08	37690497	9	3S/2W 7A
MCCLELLAND	8/3/84	1.22E+08	37690497	9	3S/2W 7A
MELLO	8/3/84	1.22E+08	37690497	9	3S/2W 7A
Organizational Maintenanc	8/13/97	1.22E+08	37689310	1	3S/2W 7A
Organizational Maintenanc	8/13/97	1.22E+08	37689310	1	3S/2W 7A
Organizational Maintenanc	8/13/97	1.22E+08	37689310	1	3S/2W 7A
REPOSE	8/3/84	1.22E+08	37690497	9	3S/2W 7A
SALVADORE	8/3/84	1.22E+08	37690497	9	3S/2W 7A
SMITH	8/3/84	1.22E+08	37690497	9	3S/2W 7A
W.H. CLAYTON	8/3/84	1.22E+08	37690497	9	3S/2W 7A
WOLF	8/3/84	1.22E+08	37690497	9	3S/2W 7A
STENEZEL	8/3/84	1.22E+08	37690336	9	3S/2W 7C
CHARLES GONSALVES	8/3/84	1.22E+08	37686826	9	3S/2W 7F
Chevron USA Inc	9/17/97	1.22E+08	37688140	1	3S/2W 7F
Chevron USA Inc	9/17/97	1.22E+08	37688140	1	3S/2W 7F
Chevron USA Inc	9/17/97	1.22E+08	37688140	1	3S/2W 7F
Chevron USA Inc. MW-1	6/18/93	1.22E+08	37688140	1	3S/2W 7F
Chevron USA Inc. MW-2	6/18/93	1.22E+08	37688140	1	3S/2W 7F
Chevron USA Inc. MW-2	6/18/93	1.22E+08	37688140	1	3S/2W 7F
Chevron USA Products Co.	2/4/98	1.22E+08	37688139	1	3S/2W 7F
FRANK MACIEL	8/3/84	1.22E+08	37686826	9	3S/2W 7F
Unocal #5760 U-9	7/13/93	1.22E+08	37686424	1	3S/2W 7F
Unocal Corp MW6	8/14/92	1.22E+08	37686875	1	3S/2W 7F
Unocal Corp U-5	9/24/92	1.22E+08	37686301	1	3S/2W 7F
Unocal Corp U-6	9/24/92	1.22E+08	37686301	1	3S/2W 7F
Unocal Corp U-7	9/24/92	1.22E+08	37686301	1	3S/2W 7F
Unocal Corp U-8	9/24/92	1.22E+08	37686301	1	3S/2W 7F
Unocal Corp MW5	8/14/92	1.22E+08	37686875	1	3S/2W 7F
Unocal Corp.	2/27/91	1.22E+08	37686400	3	3S/2W 7F
Unocal Corp.	2/27/91	1.22E+08	37686400	3	3S/2W 7F
Unocal Corp.	2/27/91	1.22E+08	37686400	3	3S/2W 7F
Unocal Corporation	3/27/91	1.22E+08	37686400	3	3S/2W 7F
Unocal Corporation	3/27/91	1.22E+08	37686400	3	3S/2W 7F
Unocal Corporation	3/27/91	1.22E+08	37686400	3	3S/2W 7F
UNOCAL STATION	6/3/88	1.22E+08	37686826	9	3S/2W 7F
Unocal Corp MW4	8/14/92	1.22E+08	37686875	1	3S/2W 7F
Citation Homes	6/15/93	1.22E+08	37686798	1	3S/2W 7G
Citation Homes	6/15/93	1.22E+08	37686798	1	3S/2W 7G
Citation Homes	6/15/93	1.22E+08	37686798	1	3S/2W 7G
Citation Homes	6/15/93	1.22E+08	37686798	1	3S/2W 7G
Citation Homes	6/15/93	1.22E+08	37686798	1	3S/2W 7G
Conoco Inc.	5/29/90	1.22E+08	37686400	3	3S/2W 7G
Conoco Inc.	5/29/90	1.22E+08	37686400	3	3S/2W 7G
DU PONT BIOSYSTEMS	6/15/89	1.22E+08	37686826	9	3S/2W 7G
DU PONT BIOSYSTEMS	6/15/89	1.22E+08	37686826	9	3S/2W 7G
DU PONT BIOSYSTEMS	6/15/89	1.22E+08	37686826	9	3S/2W 7G
DU PONT BIOSYSTEMS	6/15/89	1.22E+08	37686826	9	3S/2W 7G
F. GOYETTE MACHINE WORK	8/3/84	1.22E+08	37686826	9	3S/2W 7G
HAY UNION H.S. DISTRICT	8/3/84	1.22E+08	37682300	2	3S/2W 7G
San Lorenzo USD ?	8/20/92	1.22E+08	37686616	1	3S/2W 7G
San Lorenzo USD 2	8/20/92	1.22E+08	37686616	1	3S/2W 7G

San Lzo Unified Sch Dist	11/15/91	1.22E+08	37686826	9	3S/2W	7G
San Lzo Unified Sch Dist	11/15/91	1.22E+08	37686826	9	3S/2W	7G
Southland Corp. MW-1	7/21/93	1.22E+08	37686408	1	3S/2W	7G
Southland Corp. MW-2	7/21/93	1.22E+08	37686408	1	3S/2W	7G
Southland Corp. MW-3	7/21/93	1.22E+08	37686408	1	3S/2W	7G
Southland Corp. MW-4	7/21/93	1.22E+08	37686408	1	3S/2W	7G
Ultramar Beacon 721 MW10	9/28/92	1.22E+08	37686272	1	3S/2W	7G
Ultramar Beacon 721 MW11	9/28/92	1.22E+08	37686272	1	3S/2W	7G
Ultramar Beacon 721 RW-1	9/28/92	1.22E+08	37686272	1	3S/2W	7G
		0	0	9	3S/2W	7G
JUNCTION NURSERY	8/3/84	1.22E+08	37686826	9	3S/2W	7H
Kawahara Nursery	10/19/97	1.22E+08	37688162	1	3S/2W	7H
Kawahara Nursery	10/19/97	1.22E+08	37688162	1	3S/2W	7H
Kawahara Nursery	10/19/97	1.22E+08	37688162	1	3S/2W	7H
KAWAHARA NURSERY	8/3/84	1.22E+08	37686826	9	3S/2W	7H
KAWAHARA NURSERY	8/8/88	1.22E+08	37686826	9	3S/2W	7H
Kawahara Nursery, Inc	7/24/97	1.22E+08	37687326	1	3S/2W	7H
Kawahara Nursery, Inc	7/24/97	1.22E+08	37687326	1	3S/2W	7H
BAYSIDE NURSERY	7/30/84	1.22E+08	37683356	9	3S/2W	7J
BUEHLER	8/3/84	1.22E+08	37683356	9	3S/2W	7J
BUTI	8/3/84	1.22E+08	37683356	9	3S/2W	7J
H. HYLTON	8/3/84	1.22E+08	37683356	9	3S/2W	7J
KURT TESCHKE	8/3/84	1.22E+08	37683356	9	3S/2W	7J
SIBERA	8/3/84	1.22E+08	37666800	2	3S/2W	7J
WILLIAM SANTOS	8/3/84	1.22E+08	37682780	0	3S/2W	7J
A. RATTI	1/29/85	1.22E+08	37666800	2	3S/2W	7K
A. RATTI	8/3/84	1.22E+08	37666800	2	3S/2W	7K
A. RATTI (OLD)	3/14/88	1.22E+08	37666800	2	3S/2W	7K
Lytel, R.	1/3/95	1.22E+08	37683451	1	3S/2W	7K
Chevron	3/27/91	1.22E+08	37680954	0	3S/2W	7L
Chevron	3/27/91	1.22E+08	37680954	0	3S/2W	7L
Chevron	3/27/91	1.22E+08	37680954	0	3S/2W	7L
Chevron USA	7/25/90	1.22E+08	37683356	9	3S/2W	7L
Chevron USA	7/25/90	1.22E+08	37683356	9	3S/2W	7L
Chevron USA	7/25/90	1.22E+08	37683356	9	3S/2W	7L
MOBIL OIL CORP	10/6/86	1.22E+08	37681158	0	3S/2W	7L
MOBIL OIL CORP	10/6/86	1.22E+08	37681158	0	3S/2W	7L
MOBIL OIL CORP	10/6/86	1.22E+08	37681158	0	3S/2W	7L
MOBIL OIL CORP	10/6/86	1.22E+08	37681158	0	3S/2W	7L
MOBIL OIL CORP.	6/15/89	1.22E+08	37681158	0	3S/2W	7L

<u>Rec code</u>	<u>Phone</u>	<u>City</u>	<u>Drilldate</u>	<u>Elevation</u>	<u>Totaldepth</u>	<u>Waterdeptl</u>	<u>Diameter</u>	<u>Use</u>
4349		0 SLE	Feb-88	0	0	0		0 DES
4343		0 SLZ	?	37	42	0		8 IRR
4344		0 SLZ	?	38	125	0		6 IRR
4347		0 SLZ	?	39	60	0		6 DOM
0		0 SLZ	7/93	36	20	15		4 MON
0		0 SLZ	7/93	0	17	11		2 MON
0		0 SLZ	7/93	0	21	12		2 MON
4345		0 SLZ	/09	38	50	0		6 DOM
4346		0 SLZ	9/49	39	49	0		8 IRR
4348		0 SLZ	/18	39	68	0		6 DOM
4341		0 HAY	/48	37	120	0		8 IRR
4342		0 SLE	/38	35	40	0		0 IRR
4350		0 SLZ	/35	37	270	0		10 IRR
4355		0 SLZ	?	38	25	0		0 IRR
0		0 SLZ	6/93	36	25	11		2 MON
0		0 SLZ	6/93	36	20	10		2 MON
0		0 SLZ	6/93	36	25	12		2 MON
0		0 SLZ	5/92	0	25	13		2 MON
0		0 SLZ	5/92	0	25	13		2 MON
0		0 SLZ	5/92	0	25	13		2 MON
0		0 SLZ	8/95	0	20	11		2 MON
4356		0 SLE	/55	44	27	0		4 IRR
0		0 SLZ	5/93	0	28	15		2 MON
7699		0 SLE	7/91	0	26	21		2 MON
8007		0 SLZ	3/92	0	30	16		2 MON
8008		0 SLZ	3/92	0	30	16		2 MON
8009		0 SLZ	3/92	0	35	16		2 MON
8010		0 SLZ	3/92	0	30	16		2 MON
7698		0 SLE	7/91	0	26	18		2 MON
1028		0 SLZ	6/90	0	15	8		2 TES
1029		0 SLZ	8/90	0	30	22		3 TES
1030		0 SLZ	8/90	0	25	21		3 TES
1503		0 SLZ	8/90	0	0	0		5 BOR*
1504		0 SLZ	8/90	42	30	22		3 MON
1505		0 SLZ	8/90	40	25	21		3 MON
4357		0 SLZ	Feb-88	0	30	18		3 MON
7697		0 SLE	7/91	0	26	18		2 MON
0		0 SLZ	Oct-92	0	15	5		2 MON
0		0 SLZ	Oct-92	0	18	4		2 MON
0		0 SLZ	Oct-92	0	17	3		2 MON
0		0 SLZ	Oct-92	0	17	4		2 MON
0		0 SLZ	Oct-92	0	18	6		2 MON
39		0 SLZ	9/89	0	24	22		2 MON
40		0 SLZ	9/89	0	22	20		2 MON
4360	4627772	SLZ	Dec-88	0	30	23		2 MON
4361	4627772	SLZ	Dec-88	0	30	21		2 MON
4362	4627772	SLZ	Dec-88	0	30	22		2 MON
4363	4627772	SLZ	Dec-88	0	27	21		2 MON
4358		0 SLZ	7/37	0	75	0		8 DOM
4359		0 SLZ	9/51	42	616	20		14 IRR
7723		0 SLZ	8/91	0	600	0		14 DES
7722		0 SLZ	8/91	0	610	52		11 IRR

2020	0 SLZ	Oct-91	0	25	0	8 DES
2021	0 SLZ	9/91	0	194	67	6 DOM
0	0 SLZ	Nov-92	42	30	19	4 MON
0	0 SLZ	Nov-92	43	30	19	4 MON
0	0 SLZ	Nov-92	42	30	18	4 MON
0	0 SLZ	Nov-92	42	30	19	4 MON
8129	0 SLZ	Oct-91	42	30	18	2 MON
8130	0 SLZ	Oct-91	45	30	18	2 MON
8131	0 SLZ	Oct-91	43	39	21	6 MON
7147	0	Dec-88	0	37	21	0 BOR
4365	0 SLZ	/29	38	75	0	10 IRR
0	0 SLZ	6/93	0	20	13	2 MON
0	0 SLZ	6/93	0	20	12	2 MON
0	0 SLZ	6/93	0	20	15	2 MON
4364	0 SLZ	/49	40	72	0	6 IRR
4366	0 SLZ	Jun-88	0	65	19	8 IRR
0	0 SLZ	Oct-94	0	20	19	2 MON
0	0 SLZ	Oct-94	0	20	20	2 MON
4367	0 SLZ	/38	45	130	0	8 IRR+
4369	0 SLZ	/46	48	65	0	8 IRR
4368	0 SLZ	/20	50	110	0	8 IRR
4370	0 SLZ	/47	48	80	0	8 IRR
4373	0 SLE	Nov-77	0	37	18	6 IRR
4371	0 SLZ	8/34	46	203	0	0 IRR
4372	0 SLZ	5/77	0	30	16	6 DOM
4374	0 SLZ	1/46	0	410	0	0 ABN
4376	0 SLZ	3/49	0	441	0	0 ABN
4375	0 SLZ	Jan-49	0	410	0	0 ABN
0	0 SLZ	5/94	0	21	3	2 DES
1522	0 SLZ	7/90	0	0	7	0 BOR*
1523	0 SLZ	8/90	0	25	15	2 MON
1524	0 SLZ	8/90	0	25	15	2 MON
687	0 HAY	Nov-89	0	26	0	2 MON
688	0 HAY	Nov-89	0	25	0	2 MON
689	0 HAY	Nov-89	0	25	0	2 MON
4377	0 SLZ	Jul-86	0	25	14	2 MON
4378	0 SLZ	Jul-86	0	25	15	2 MON
4379	0 SLZ	Jul-86	0	25	14	2 MON
4380	0 SLZ	Jul-86	0	25	14	2 MON
4381	0 SLZ	Oct-88	0	29	0	2 MON



"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Mike Hagi
Sierra Environmental Inc.
980 West Taylor Street
San Jose, CA 95126

Order Date: 10/20/2006 **Completion Date:** 10/20/2006
Inquiry #: 1779744.3
P.O. #: NA
Site Name: 186 E. Lewelling Boulevard

Customer Project: NA
1028072PEP 408-971-6758

Address: 186 E. Lewelling Boulevard
City/State: San Lorenzo, CA 94580
Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

REGION 2
 COUNTY Southern Alameda
 NEAR San Lorenzo

DEPARTMENT OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN 35/2W-793 1G1
 DWR No. 35/2W-793
 OTHER No. 18

WELL LOG

01-1459

LOCATION Lewelling Blvd., 0.4 mile east of Hesperian Blvd., 500 feet east of SPRR tracks

OWNER San Lorenzo High School ADDRESS _____

DRILLED BY Western Well ADDRESS _____

DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED Sept. 1951

SIZE OF CASING DEPTH 30-14 STRUCK WATER AT _____

PERFORATIONS _____ SIZE _____ No. _____

WATER LEVEL BEFORE PERFORATING _____ AFTER _____

TEST DATA: DISCHARGE G. P. M. 850 gpm 1951 DRAWDOWN FT. _____ HOURS RUN _____

OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____

SURFACE ELEV. 44 DATUM _____ SOURCE OF INFORMATION _____

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0-3		Surface Soil		
8		Sandy clay with some gravel		
44		Fine sand		
59		Sand and gravel with clay streaks		
70		Sand and gravel		
145		Sticky yellow clay and gravel.		
154		Free gravel, some clay		
172		Blue clay		
236		Yellow clay (gravel, free streaks)		
298		Fine sand		
489		Clay and gravel		
504		Broken rock and gravel		
529		Clay and gravel		
540		Sand and gravel		
560		Clay and gravel		
572		Cemented gravel		
616		Cemented gravel and sandy clay		
		Perf. 142-154		
		166-172		
		178-190	340-346	
		196-202	400-412	
		208-214	478-503	
		226-232	521-539	
		244-250	551-600	
		256-260		
		280-286		
		310-322		
		328-334		

Plotted and Coded
 As Well

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY _____ DATE _____ SHEET 1 OF _____

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

REGION 2
 COUNTY Southern Alameda
 NEAR _____

DEPARTMENT OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN 2S/2W-7R3
 DWR NO. _____ B & M
 OTHER NOS. 01-1465

WELL LOG

LOCATION _____
Covered
 OWNER A. Ratti ADDRESS San Lorenzo
 DRILLED BY _____ ADDRESS _____
 DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED 3-1-49
 SIZE OF CASING DEPTH _____ STRUCK WATER AT _____
 PERFORATIONS _____ SIZE _____ NO. _____
 WATER LEVEL BEFORE PERFORATING _____ AFTER _____
 TEST DATA: DISCHARGE G. P. M. _____ DRAWDOWN FT. _____ HOURS RUN _____
 OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____
 SURFACE ELEV. _____ DATUM _____ SOURCE OF INFORMATION _____

FOR FIELD COPIES USE ALTERNATE LINES

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0 - 8		Top soil		
20		Yellow sandy clay		
29		Yellow clay		
54		Yellow sandy clay		
55		Blue clay		
61		Gravel sand		
103		Sandy yellow clay and gravel		
105		Sand and gravel		
112		Loose gravel		
118		Yellow clay		
128		Sandy yellow clay and gravel		
148		Blue clay and gravel		
183		Sandy yellow clay and gravel		
198		Yellow clay		
205		Sandy yellow clay		
211		sand and gravel		
221		Sandy yellow clay and gravel		
223		Blue clay		
229		Yellow clay		
235		Sandy yellow clay		
244		Gravel		
253		Yellow clay		
267		Sandy yellow clay and gravel		
275		Grayish blue clay and gravel		
278		Sandy yellow clay		
285		Gravel		
287		Blue clay		
289		Yellow clay		
294		Gravel		
296		Sandy Yellow clay		

Plotted and Coded
 As Well

OBTAINED BY _____ DATE _____ SHEET 1 OF _____

REGION 2
 COUNTY Southern Alameda
 NEAR _____

DEPARTMENT OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN _____
 DWR No. 35/2W-7K 2 D & M
 OTHER No. Test Hole #1

WELL LOG

01-1464

LOCATION 2nd house on west - house on corner of Lewelling and Hesperian Blvd.,
south side of Lewelling. Covered

OWNER Ratti ADDRESS San Leandro

DRILLED BY Anderson ADDRESS _____

DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED 1-26-49

SIZE OF CASING DEPTH _____ STRUCK WATER AT _____

PERFORATIONS _____ SIZE _____ No. _____

WATER LEVEL BEFORE PERFORATING _____ AFTER _____

TEST DATA: DISCHARGE G. P. M. _____ DRAWDOWN FT. _____ HOURS RUN _____

OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____

SURFACE ELEV. _____ DATUM _____ SOURCE OF INFORMATION _____

FOR FIELD COPIES USE ALTERNATE LINES

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0 - 4		Top soil		
8		Clay		
32		Yellow sandy clay		
60		Gravel		
62		Yellow sandy clay		
68		Yellow clay with sand and gravel		
94		Yellow clay		
100		Sandy gravel		
104		Yellow sandy clay		
106		Loose gravel		
109		Yellow clay		
110		Gravel		
111		Yellow sandy gravel		
123		Sandy gravel		
127		Yellow sandy gravel		
140		Yellow sandy clay		
155		Blue clay		
172		Yellow sandy clay		
175		Gr clay		
182		Yellow sandy clay		
184		Yellow clay		
198		Yellow gr clay		
203		Gravel		
206		Yellow clay		
213		Gravel		
236		Yellow clay with layer of gravel		
245		Gravel		
247		Yellow clay		
248		Gravel		

*Placed and Cased
 As Well*

LOG OBTAINED BY _____ DATE _____ SHEET 1 OF _____

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

REGION _____
 COUNTY S. Alameda
 NEAR _____

DIVISION OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN _____
 DWR No. _____
 OTHER NOS. 35727-68 TLM
312-837

WELL LOG

01-1469

LOCATION Cambridge and Hampton Roads, Hayward, California

OWNER J. E. Pointer ADDRESS _____

DRILLED BY A. Swanson ADDRESS _____

DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED 3/23/33

SIZE OF CASING DEPTH _____ STRUCK WATER AT _____

PERFORATIONS _____ SIZE _____ NO. _____

WATER LEVEL BEFORE PERFORATING _____ AFTER _____

TEST DATA: DISCHARGE G. P. M. _____ DRAWDOWN FT. _____ HOURS RUN _____

OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____

SURFACE ELEV. 70 USGS DATUM _____ SOURCE OF INFORMATION ARGO Pump

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
	1 - 8	Black soil		
	8 - 30	Clay		
	30 - 39	Gravel		
	39 - 74	Clay		
	74 - 84	Sandy		
	84 - 94	Clay and Gravel		
	94 - 109	Clay		
	109 - 118	Gravel		
	118 - 120	Clay and Sand		
Perforated every other joint #5 Chisel from 70' to 98' 1" x 1/8" slot open at 108 - 116				

Plotted and Coded
 44 Well

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY WF DATE 2/15/50 SHEET 1 OF _____

REGION 2
 COUNTY Southern Alameda
 NEAR _____

DEPARTMENT OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN _____
 DWR NO. 38/2W-7R1 B & M
 OTHER NO. _____

WELL LOG

01-1463

LOCATION _____
 COVERED
 OWNER A. Ratti ADDRESS _____
 DRILLED BY Bassett ADDRESS _____
 DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED January 12, 1946
 SIZE OF CASING DEPTH _____ STRUCK WATER AT _____
 PERFORATIONS _____ SIZE _____ No. _____
 WATER LEVEL BEFORE PERFORATING _____ AFTER _____
 TEST DATA: DISCHARGE G. P. M. _____ DRAWDOWN FT. _____ HOURS RUN _____
 OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____
 SURFACE ELEV. _____ DATUM _____ SOURCE OF INFORMATION ARGO Pump

FOR FIELD COPIES USE ALTERNATE LINES

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0 - 3		Top soil		
3 - 12		hard clay		
12 - 40		Sandy yellow clay		
40 - 47		Blue clay		
47 - 59		Yellow sediment clay		
59 - 85		Yellow clay		
85 - 101		Blue clay		
101 - 104		Yellow clay		
104 - 116		Sandy yellow clay		
116 - 124		Mush yellow clay		
124 - 126		Blue clay		
126 - 129		Yellow sediment clay		
129 - 140		Blue clay		
140 - 145		Yellow clay		
145 - 154		Yellow sediment clay		
154 - 156		Yellow clay		
156 - 166		Sand and yellow clay		
166 - 169		Gravel and sand		
169 - 171		Yellow clay and gravel		
171 - 173		Sand and gravel		
173 - 177		Mushy sand and gravel		
177 - 183		Gravel		
183 - 187		Yellow clay (sandy)		
187 - 194		Blue clay		
194 - 206		Yellow clay		
206 - 216		yellow sediment clay		
216 - 229		Yellow clay		
229-230		Sandy blue clay	WL 12 perf 184-166 TH 200-230	

LOG OBTAINED BY WF DATE 2-20-50 SHEET 1 OF _____

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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Water Well Driller's Report

ACWD1771

Owner: Hayward Union High School
Hayward, CA

Well #: 3S/2W-07G003

Report #: ACWD1771

Owner's Well #:

Permit #:

Well Address: San Lorenzo High School

Well Location: Township: 3S Range: 2W Section: 07 **Proposed Use:** Domestic

Well at San Lorenzo High School, 3250' north, 2000' west from southeast corner on Lewelling Boulevard

Type of Work: Geotechnical: Monitoring Well Construction

Casing Installed:

From (ft)	To (ft)	Diameter (in)	Material	Gage/Wall	Type
0.0	80.0	30.000	Steel	1/4"	Control/Conductor
0.0	600.0	14.000	Steel	1/4"	Well

Gravel Pack:

From (ft)	To (ft)	Size of Gravel	Water Table
0.0	0.0	1/4" x 3/8"	

Borehole:

From (ft)	To (ft)	Diameter of Bore (in)
(No data reported.)		

Perforations:

From (ft)	To (ft)	Size of Openings
142.0	600.0	3/16" x 1"

Construction (Annular Seal):

From (ft)	To (ft)	Type of Cement
(No data reported.)		

Water Levels:

Depth of first water, if known: ft
Standing level after well completion: 0.0 ft

Equipment: Rotary

Well Tests:

Type of well test: Pump Depth to water at start of test: 175.0 ft
 Made by: Western Well Drilling At end of test: 103.0 ft
 Chemical analysis made: No Discharge: 250 gpm
 If yes, by whom: After: 14.40 hours
 Electric log made: No Water temperature: °F

Well Log: Total Depth: 616.0 ft Depth of Completed Well: 0.0 ft

From (ft)	To (ft)	Formation
0.0	3.0	Surface soil
3.0	10.0	Sandy clay
10.0	18.0	Sticky doby, some gravel
18.0	44.0	Fine sand
44.0	59.0	Sand, gravel and clay streaks
59.0	70.0	Sand and gravel
70.0	145.0	Sticky yellow clay and gravel
145.0	154.0	Free gravel, some clay
154.0	172.0	Blue clay
172.0	286.0	Yellow clay and gravel, free streaks
286.0	298.0	Fine sand, streaks of sand
298.0	365.0	Sicky clay and gravel
365.0	489.0	Clay and gravel



Water Well Driller's Report

ACWD1771

<u>From (ft)</u>	<u>To (ft)</u>	<u>Formation</u>
489.0	504.0	Broken rock and gravel
504.0	529.0	Clay and gravel
529.0	540.0	Sand and gravel
540.0	560.0	Clay and gravel
560.0	572.0	Cemented gravel
572.0	616.0	Cemented gravel and sandy clay

Work Started: 08/17/1951

Work Completed: 09/24/1951

Well Driller: Western Well Drilling Co.,
522 W. Santa Clara Street
San Jose, CA

License: R--54265
Report Date: 10/19/1951

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WELL COMPLETION REPORT
(WELL LOGS)

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Report No. 18

Owner Harvard Drive High Dist

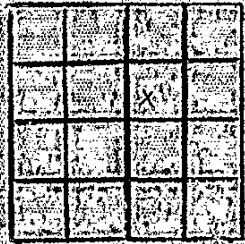
Pump No.

Meter No.

Region 2; County Alameda

Township 3S, Range 2W, Section 26, MD B&M

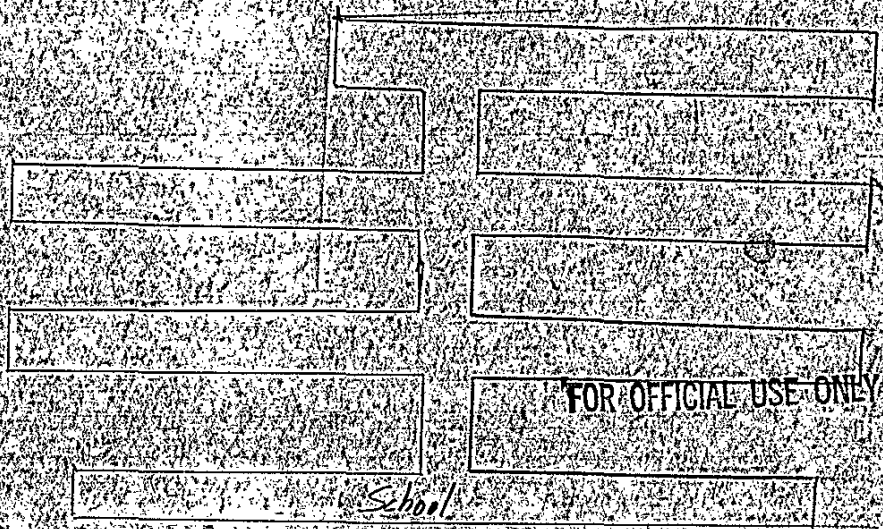
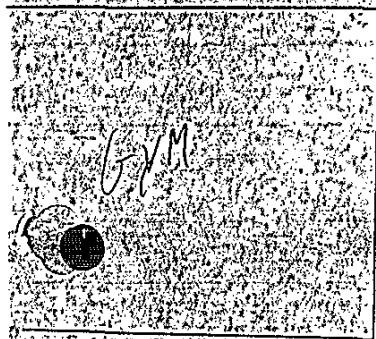
3250 ft. north, 2200 ft. west from southeast corner of Section.



SKETCH



ACWD 1771



FOR OFFICIAL USE ONLY

DESCRIPTION OR REMARKS

San Lorenzo High School on Lowelling Blvd

Checked by R. K. Brown

Date Sept. 13, 1957

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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WELL COMPLETION REPORT
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(WELL LOGS)

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ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 901 Lynn Court
San Lorenzo, CA

PERMIT NUMBER 92260
LOCATION NUMBER 3S/2W 8D80

CLIENT

Name (BART) BAY AREA RAPID TRANSIT
Address P.O. Box 12638 Phone _____
OAKLAND CA Zip 94604-2638

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT

Name Luhe Anderson
Address DAMES & Moore / Suite 300
7101 Webster St. Phone 510 832 3600
City OAKLAND Zip 94612

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection _____	General _____
Water Supply _____	Contamination _____
Monitoring _____	Well Destruction <u>X</u>

PROPOSED WATER SUPPLY WELL USE

Domestic <u>X</u>	Industrial _____	Other _____
Municipal _____	Irrigation _____	

DRILLING METHOD:

Mud Rotary _____ Air Rotary _____ Auger X
Cable _____ Other Over Drill w/casing, then clean the hole out w/ Auger

DRILLER'S LICENSE NO. 384167 - HEN

WELL PROJECTS

Drill Hole Diameter	<u>8</u> in.	Maximum	
Casing Diameter	<u>5</u> in.	Depth	<u>22</u> ft.
Surface Seal Depth	_____ ft.	Number	_____

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum	
Hole Diameter	_____ in.	Depth	_____ ft.

ESTIMATED STARTING DATE 5-20-92
ESTIMATED COMPLETION DATE 5-20-92

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 26 May 92
Wyman Hong

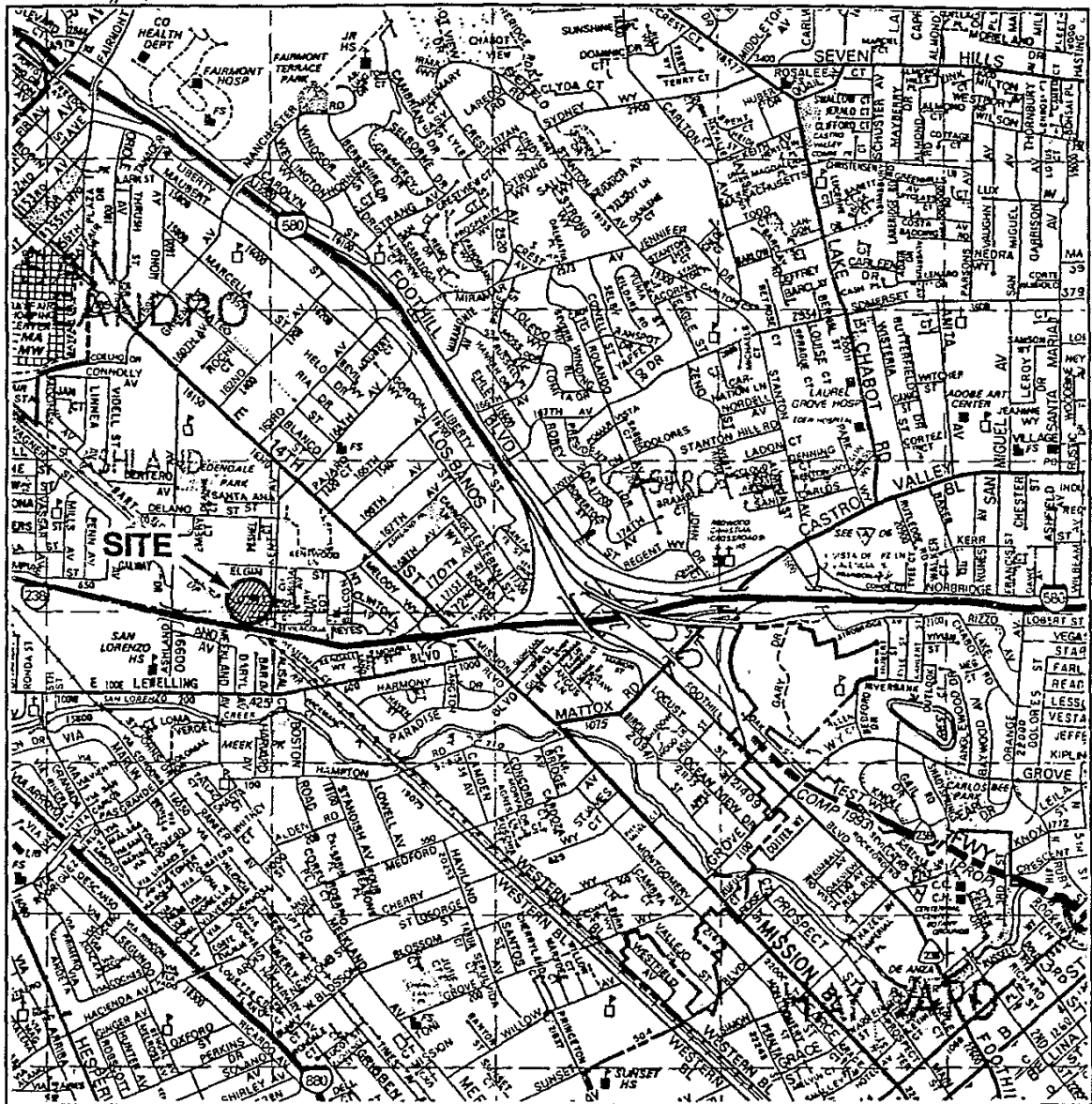
APPLICANT'S SIGNATURE [Signature] Date 5-11-92

31992
963

294

01-526 E

3S/2W 80 3



NOTE:

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Scale in Miles

SITE VICINITY MAP

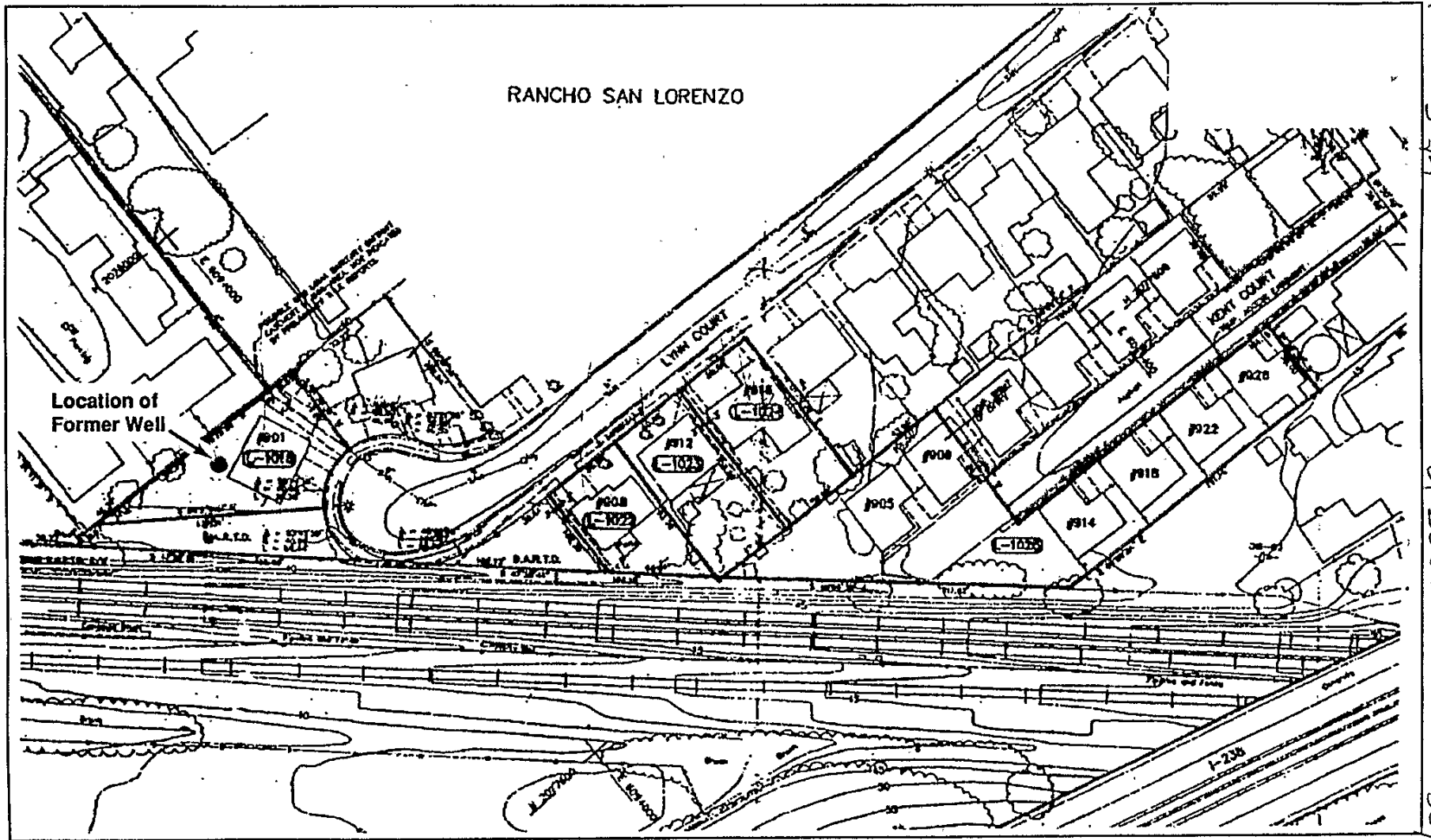
BART

August 1992
3715-052-043

901 Lynn Court Well Abandonment
San Lorenzo, California

 **DAMES & MOORE**

FIGURE 1



(Not to Scale)

PLOT PLAN

August 1992
3715-052-043

BART
901 Lynn Court Well Abandonment
San Lorenzo, California

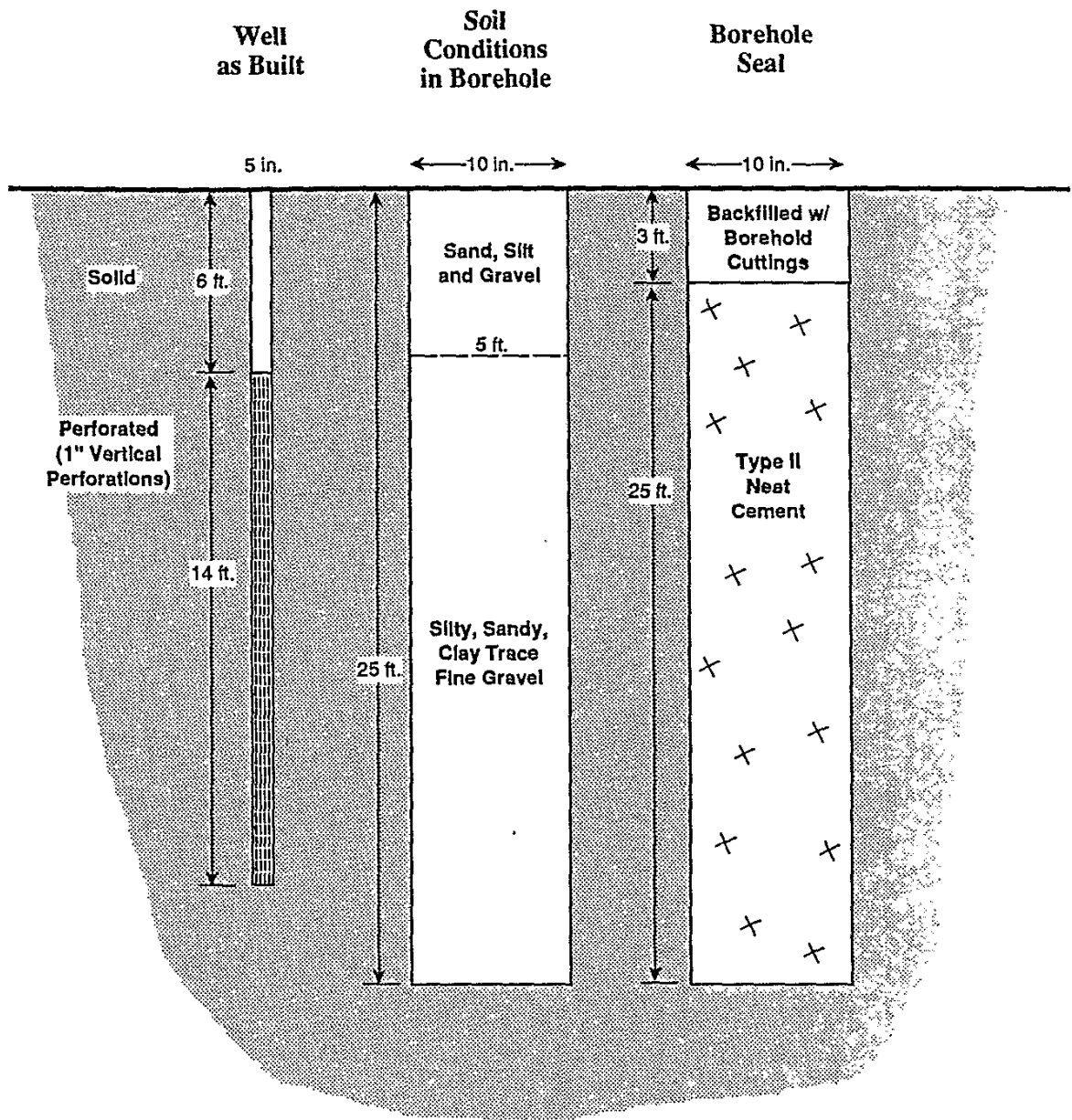
DAMES & MOORE

FIGURE 2

4 of 4

01-526Z

3S/2w 8D 3



DETAILS OF WELL ABANDONMENT

August 1992
3715-052-043

B...
901 Lynn Court Well Abandonment
San Lorenzo, California

DAMES & MOORE

FIGURE

963

01-543C

03502W08D06



280 MOUNT HERMON RD., SUITE 101
SCOTT'S VALLEY, CA 95068
TECHNOLOGIES, INC.

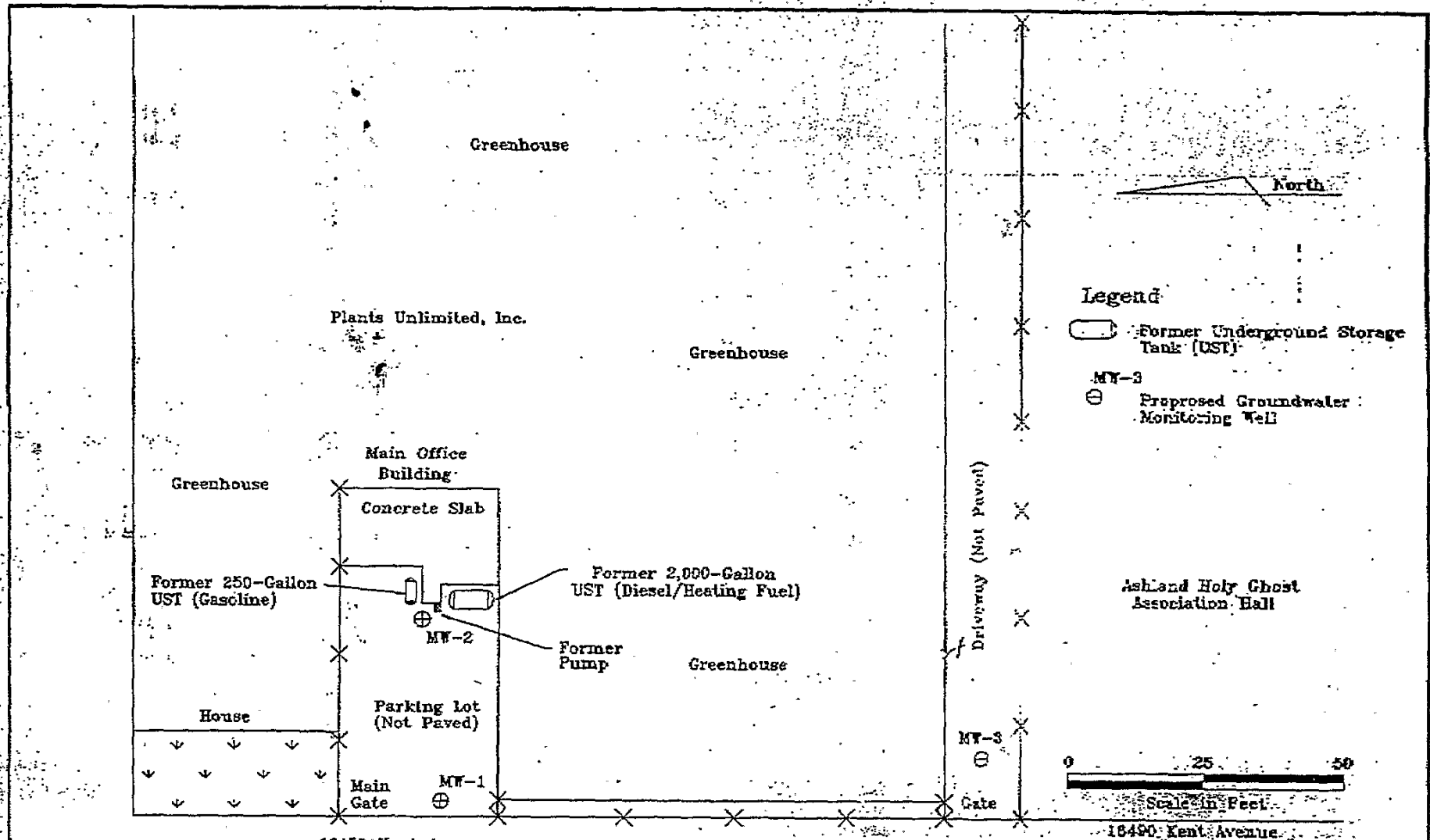
PHONE (408) 434-7511
FAX (408) 434-7510

WELL/B 1/
MW-1
PAGE 1 of 1

PROJECT NO. A554-01
LOGGED BY: PAUL A. STUEBEMEYER
DRILLING METHOD: Hollow stem auger
SAMPLING METHOD: Slit stream sampler
CASING TYPE: SCH. 40 PVC
SLOT SIZE: 0.01 IN.
GRAVEL PACK: 2MIZ LONSTAR SAND
GAS ANALYZER: HEAT TECH PORTABLE FID II

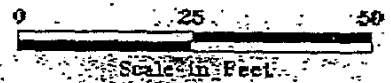
CLIENT: PLANTS UNLIMITED
DATE DRILLED: 11/12/92
LOCATION: 16450 Kent Ave., San Lorenzo, CA
HOLE DIAMETER: 9 IN.
HOLE DEPTH: 20 FT.
WELL DEPTH: 19 FT.
WELL DIAMETER: 2 IN.
SCREENED INTERVAL: 9.0 TO 19.0 feet

MOISTURE CONTENT	VAPOR (PPM) CONCENTRATIONS	FLOWS/6"	DEPTH (FEET)	SAMPLE NO.	USCS CODE	LITHOLOGY/REMARKS	WELL CONSTRUCTION
			0		GP	POORLY GRADED GRAVELS (GP); fine to coarse grained with trace of fine to coarse grained sands. loose, gray	
			1				
			2		SP	POORLY GRADED SANDS (SP); fine to coarse grained, with fine to coarse grained gravels, loose, gray	
			3				
			4				
			5				
	3/6/7		6		CL BI-5.5	SANDY TO SILTY CLAY (CL); fine grained sands, damp, stiff, light brownish green, no petroleum hydrocarbon odor	
			7				
			8			- sandy clay, with silt, moist, firm below 8.0 feet.	
	3/3/3		9		BI-8.5 BI-9.0		
			10				
			11			- with trace of coarse sand ^{and} with trace of fine gravels, firm below 11.5 feet	
	2/2/3		12		BI-12.0		
			13				
			14				
	3/4/5		15		BI-15.0	- silty to sandy clay, plastic, brown, firm to stiff below 14.5 feet	
			16				
			17			- silty clay, damp, stiff to very stiff, below 16.5 feet	
	4/6/10		18		BI-17.5		
			19				
			20			END OF HOLE AT 20.0 FEET	



Legend

- Former Underground Storage Tank (UST)
- MW-3
- ⊕ Proposed Groundwater Monitoring Well



Site Map, Plants Unlimited, Inc., 16450 Kent Avenue San Lorenzo, California		Prepared by B.K.A. a55906d1	Drawn by Paul S. a559-01-ab3
ENVIROTECH 1659 HELM MEMORIAL RD. SUITE 101 SCOTT'S VALLEY, CA 95066 PHONE: (408) 438-7211 FAX: (408) 438-2375 TECHNOLOGIES, INC.		Map No. P-24-82	Date 9-24-92
		Scale No Scale	Figure Number

01-5130
A35021008006

WVU
ADD

3S/2W 8D

01-415B

Destruction

Mary A. Ramos
24822 Second St.
Hayward, CA 94541
(415) 537-2439

RECEIVED
OCT 4 1988
ZONE 7, ACFC&WCD

Alameda County Flood Control
Zone 7
5997 Parkside Dr.
Pleasanton, CA 94566

RE: Permit # 88492
Location 3S/2W 8D81

Attention: Graig A. Mayfield

Dear Mr. Mayfield:

The destruction of the well at 916 Elgin St. in San Lorenzo was completed on 9/29/88. I called in notice to your office on 9/27/88. The work was completed as per the "Destruction Requirements" that are attached. In addition, the final concrete cap was poured at a thickness of 18 inches and in the shape of a square 7 feet by 7 feet plus reinforced with #4 rebar - from 3 1/2 feet to 2 feet. This was done at the recommendation of my project architect who has designed a 20 unit apartment building on the site. The materials used were pea gravel from Tidewater Sand & Gravel and 5 sack concrete mix from Walker's Concrete.

The remaining hole will be under the foundation and will be filled with concrete at the time the foundation is poured.

Attached is a drawing showing the location of the well.

If there is any other information needed, please contact me.

Sincerely,

Mary A. Ramos
Mary A. Ramos

01-415B

23 September 1988

ZONE 7
WATER RESOURCES ENGINEERING
GROUNDWATER PROTECTION ORDINANCE

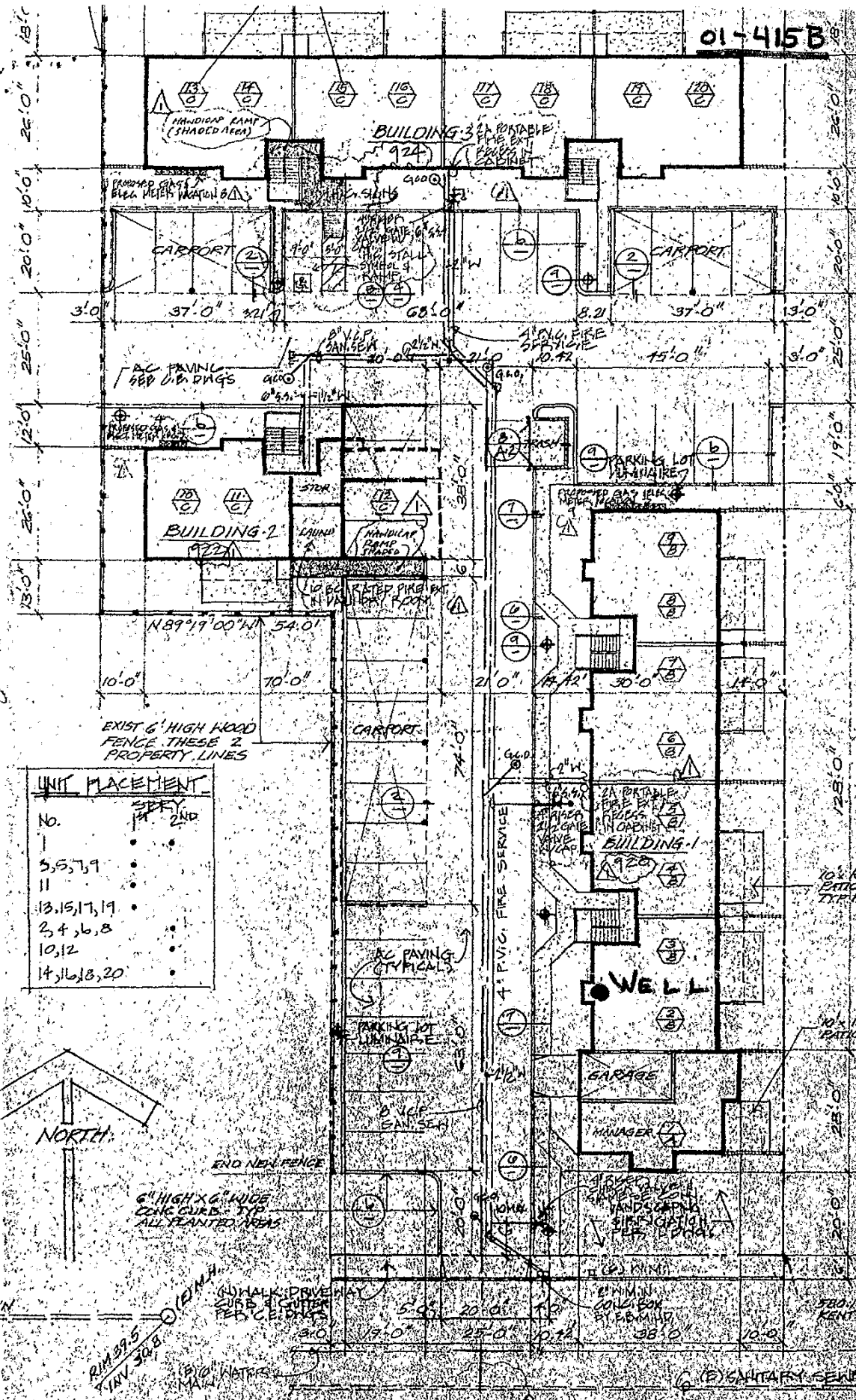
MARY RAMOS
916 ELGIN STREET
SAN LORENZO
WELL 3S/2W 8D81

Destruction Requirements

1. Remove from the well any appurtenances and debris.
2. Remove any lining to 2 feet below finished grade or original ground, whichever is the lower elevation.
3. Fill bottom 5 feet of the well with pea gravel.
4. Using a tremie pipe, place 1 foot of neat cement, cement grout or concrete seal on top of the gravel at the bottom of the well.
5. After seal has set, fill well to 3 feet below finished grade or original ground, whichever is the lower elevation, with pea gravel.
- * 6. Fill the hole from 3 feet to 2 feet with neat cement, cement grout or concrete. $3\frac{1}{2}'$ to $2'$ fill with concrete (18") in a $7' \times 7'$ square & reinforced with rebar.
- * 7. After seal has set, backfill the remaining hole with compacted material.
Remaining whole will be filled with concrete when foundation is poured.

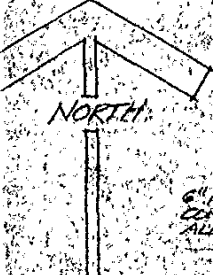
Maryl Ramos

01-415B



UNIT PLACEMENT

No.	SPCY	2ND
5, 5, 5, 9	•	•
11	•	•
13, 15, 17, 19	•	•
2, 4, 6, 8	•	•
10, 12	•	•
14, 16, 18, 20	•	•



ELGIN ST.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

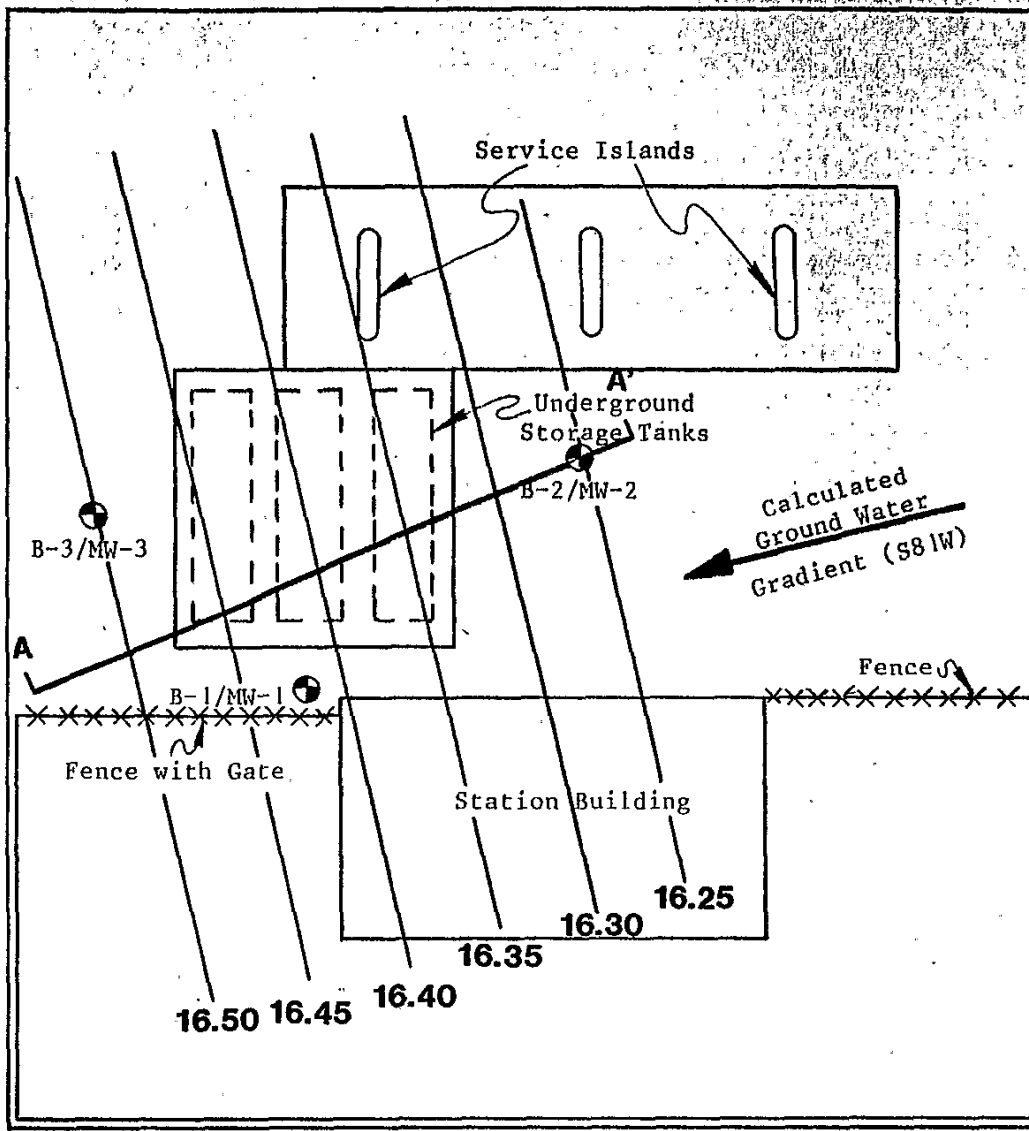
REMOVED




01-297A

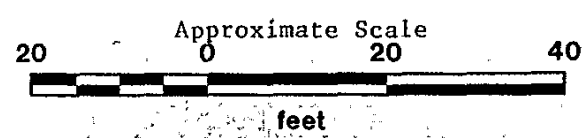
AP7120

35/2WRF1

Lewelling Blvd.



-  = Monitoring Well Location
-  = Potentiometric Surface (feet)
Depth measured from arbitrary Datum
-  = Cross Section Location



Source: Measured by Tape and Compass



43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

PROJECT NO. 87044-3

GENERALIZED SITE PLAN
Econo Gasoline Station
San Lorenzo, California










PLATE
P-2

#87120

35/2WSPFI

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION	MAJOR DIVISIONS	LTR	DESCRIPTION						
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines.	FINE GRAINED SOILS	SILTS AND CLAYS LL-50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.					
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines.			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.					
		GM	Silty gravels, gravel-sand-clay mixtures.			OL	Organic silts and organic silt-clays of low plasticity.					
		GC	Clayey gravels, gravel-sand-clay mixtures.			MH	SILTS AND CLAYS LL-50	CH	Inorganic clays of high plasticity, fat clays.			
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines.		OH			OH	OH	Organic clays of medium to high plasticity.		
		SP	Poorly-graded sands or gravelly sands, little or no fines.						HIGHLY ORGANIC SOILS	Pt	Pt	Peat and other highly organic soils.
		SM	Silty sands, sand-silt mixtures.									
		SC	Clayey sands, sand-clay mixtures.									

-  Depth through which sampler is driven
-  Relatively undisturbed sample
-  Missed sample
-  Ground water level observed in boring
-  Sand pack
-  Bentonite annular seal
-  Neat cement annular seal
-  Blank PVC
-  Machine-slotted PVC
- S-10 Sample number

BLOW/FT. REPRESENTS THE NUMBER OF BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE THE SAMPLER THROUGH THE LAST 12 INCHES OF AN 18 INCH PENETRATION.

DASHED LINES SEPARATING UNITS ON THE LOG REPRESENT APPROXIMATE BOUNDARIES ONLY. ACTUAL BOUNDARIES MAY BE GRADUAL. LOGS REPRESENT SUBSURFACE CONDITIONS AT THE BORING LOCATION AT THE TIME OF DRILLING ONLY.



UNIFIED SOIL CLASSIFICATION SYSTEM AND SYMBOL KEY

Econo Gasoline Station
San Lorenzo, California

PLATE

P-3

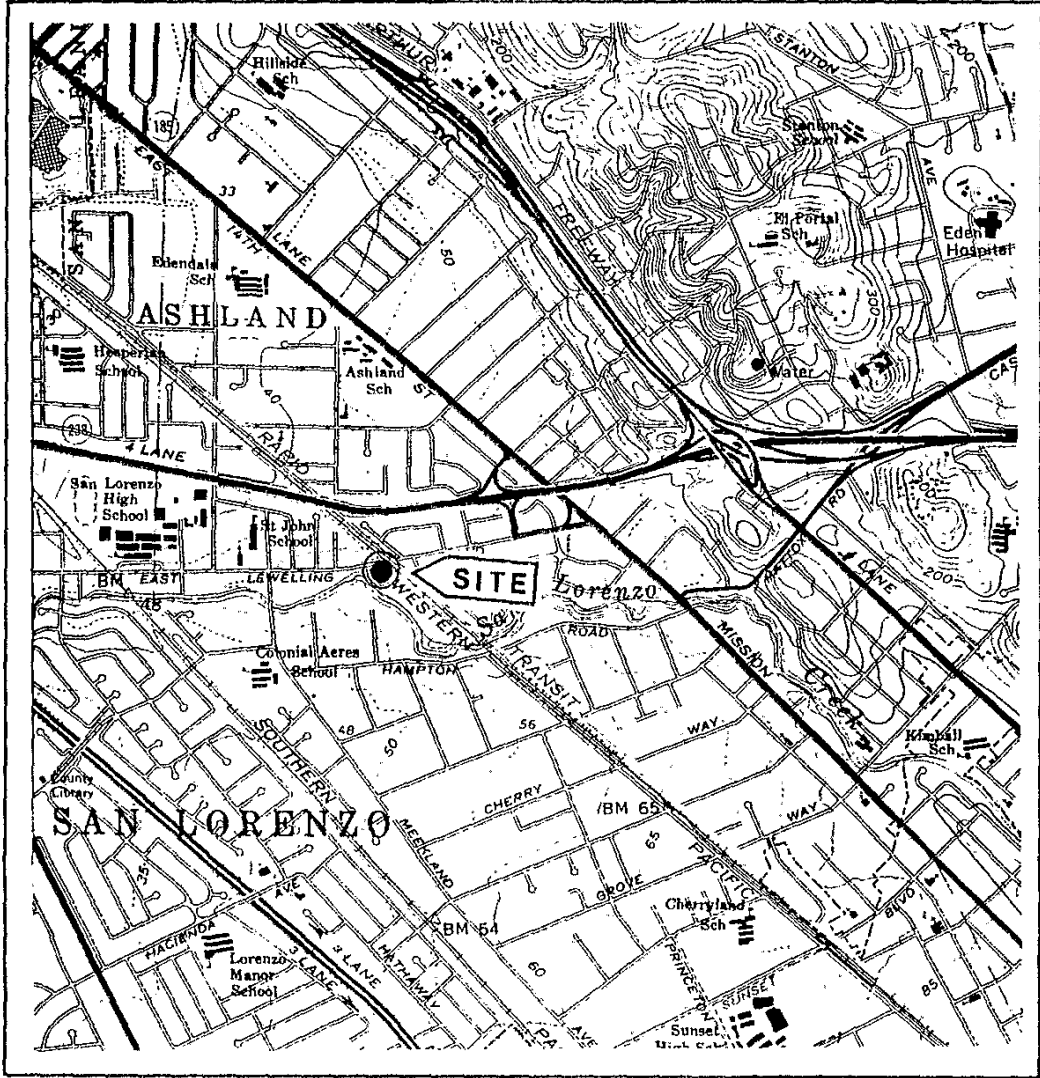
#P7120

INV ✓

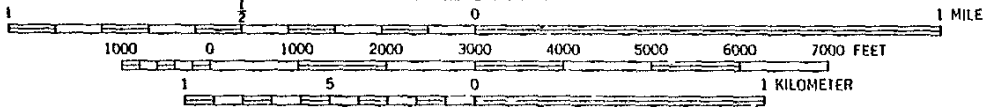
ADW

01-297 A-2 *Platt/wood*

3S/2W&P/1



SCALE 1:24,000



CONTOUR INTERVAL 20 FEET

OWNER: *ECONO GAS KAYO OIL*
451 LEWELLING RD.
SAN LORENZO

DRILLER: *DATUM EXPLORATION*

Source: U.S.G.S. 7.5' quad.,
Hayward, California



SITE VICINITY MAP
 Econo Gasoline Station
 San Lorenzo, California

PLATE

P-1

PROJECT NO. 87044-3

#87120

01-297 A
35/2WFF1

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0				Asphalt (10") over roadfill (2")	
2			CL	Silty clay with lenses of silty sand, brown and black, damp, slight plasticity, very stiff, no product odor.	
6	17	S-5			
10	8	S-10	ML	Clayey silt with lenses of sand, silt, and sandy clay, green, damp, slight plasticity, medium stiff, slight product odor, (in silt only)	
16	14	S-15		Clayey silt, moist, stiff, very slight product odor.	
20			ML		
22	15	S-20		Sandy silt with lenses of silty clay and poorly sorted silty sand, brown, wet, moderate product odor.	
24			ML		
26	25	S-25		Silt with trace sand, black, very stiff.	
30			CL	Sandy clay, brown and black, wet, slight plasticity, very stiff, strong product odor.	

(Section continues downward)

DRILLER: DATUM EXPLORATION



LOG OF BORING B-1/MW-1

PLATE

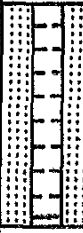
Econo Gasoline Station
San Lorenzo, California

P-4

PROJECT NO. 87044-3

#P7120

3S/2WFF1

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
30	S-30	CL	Sandy clay, brown and black, wet, slight plasticity, very stiff, strong product odor.	
32				
34	s-35	CL	Clay with trace gravel, black, high plasticity, very slight product odor.	Caved
36				
38	Total Depth = 36.5 feet Boring terminated at sufficient depth for monitoring well.			
40				

DEPTH IN FEET



Applied GeoSystems
43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

LOG OF BORING B-1/MW-1

PLATE

Econo Gasoline Station
San Lorenzo, California

P-5

PROJECT NO. 87044-3

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL LOG
Water Code Sec. 13752

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In

No. 152401
State Well No. **35/2W-8G3**
Other Well No. **35/2W-8G00**

(1) **OWNER:**
Name Antone Brun well
Address 1119 Paradise Dr Blvd Hayward, Calif.
(2) **LOCATION OF WELL:**
County Alameda Owner's number, if any 779 Paradise
Township, Range, and Section Hayward, Calif.
Distance from cities, roads, railroads, etc.

(11) **WELL LOG:**
Total depth 83' ft. Depth of completed well 77' ft.
Formation: Describe by color, character, size of material, and structure
0 ft. to 10'
STIFF MOIST DR. GRAY BROWN TO DR BROWNISH GRAY SILTY CLAY
CL - C.A.

(3) **TYPE OF WORK (check):**
New Well Deepening Reconditioning Destroying
If destruction, describe material and procedure in Item 11.

10' - 17'
STIFF MOIST - BROWNISH GRAY TO GRAYISH BROWN SILTY CLAY (CL)

(4) **PROPOSED USE (check):**
Domestic Industrial Municipal
Irrigation Test Well Other
(5) **EQUIPMENT:**
Rotary
Cable
Other Auger

17' - 40'
STIFF WET DARK BROWN GRAY SILTY CLAY (CL)
w/ pebbles 139' to 40'

(6) **CASING INSTALLED:**

STEEL:				OTHER:			
SINGLE <input checked="" type="checkbox"/>		DOUBLE <input type="checkbox"/>		<u>plastic</u>			
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.	If gravel packed
0	17'	6"	1/8"	10"	40	77'	

Size of shoe or well ring: _____ Size of gravel: 1/2"

40' - 49'
Loose - saturated gray brown clayey sand

49' - 56'
STIFF WET - gray brown SILTY CLAY, w/ fine sand & limb gravel (CL - C.A.)

(7) **PERFORATIONS OR SCREEN:**
Type of perforation or name of screen

56' - 60'
Loose Sat - GR Brown clayey sand

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
40	77'	3	3	1/6"

60' - 68'
STIFF - Very stiff layers SAT - Brownish gray SILTY CLAY

68' - 71'
Loose Sat. Gray Brown Clayey Sand

(8) **CONSTRUCTION:**
Was a surface sanitary seal provided? Yes No To what depth 40' ft.
Were any strata sealed against pollution? Yes No If yes, note depth of strata
From 0' ft. to 40' ft.
Method of sealing compact gravel

71' - 73'
STIFF SAT - BN - SILTY CLAY (CL) 73' Bottom

Work started 4-1 1976, Completed 4-2 1976

(9) **WATER LEVELS:**
Depth at which water was first found, if known 26' ft.
Standing level before perforating, if known _____ ft.
Standing level after perforating and developing 11' ft.

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(10) **WELL TESTS:**
pump test made? Yes No If yes, by whom?
1: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Temperature of water _____ Was a chemical analysis made? Yes No
Was electric log made of well? Yes No If yes, attach copy

NAME AAA Drilling Service
(Person, firm, or corporation) (Typed or printed)
Address 1580 Middle Rd Hayward, Calif.
[SIGNED] Robert L. Cook
(Well Driller)
License No. 235919 Dated 4-11 1976

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG
Water Code Sec. 13752

CONFIDENTIAL

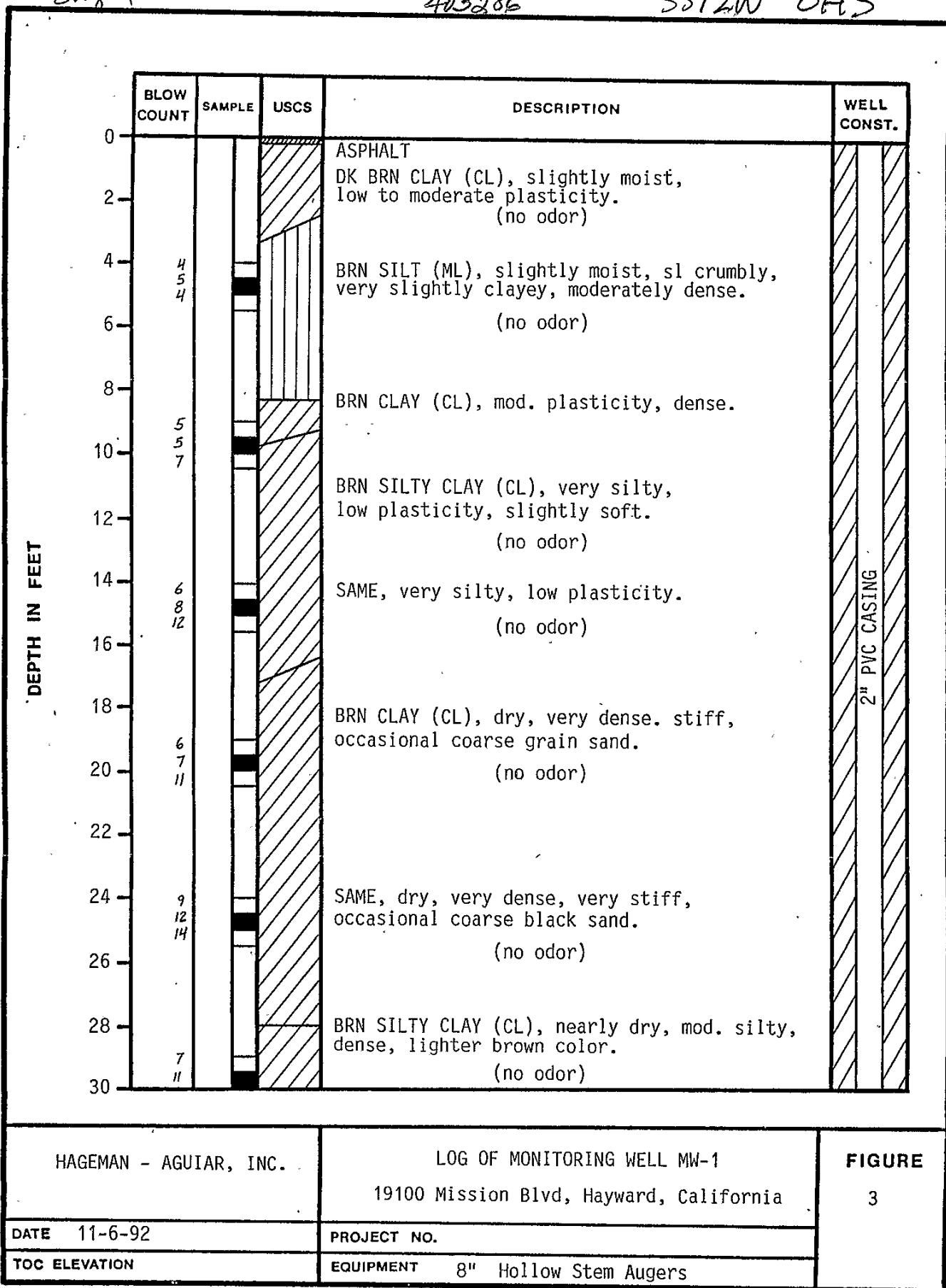
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

274

403286

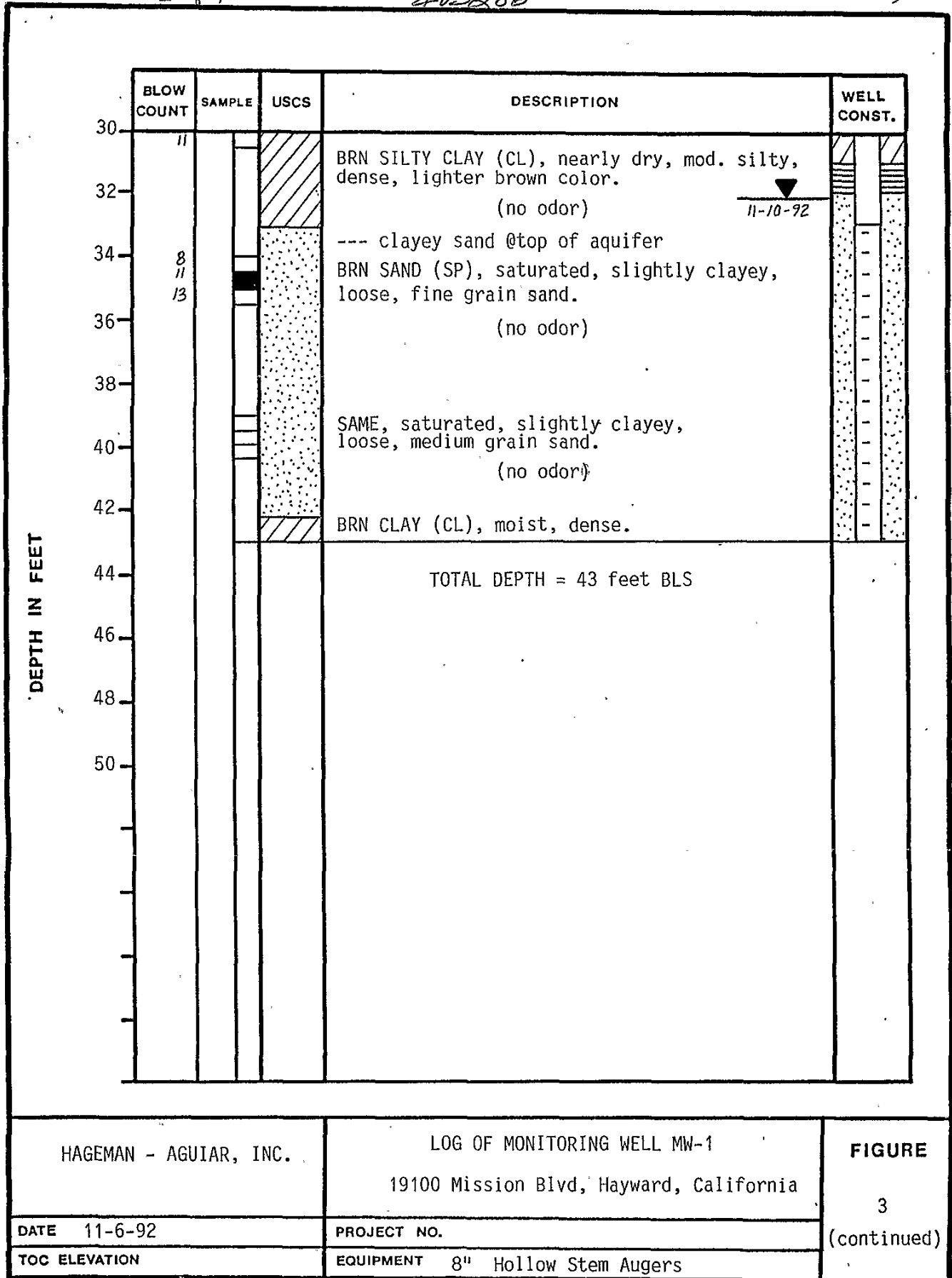
3512W 8H3



394

413286

3S12W 8H3

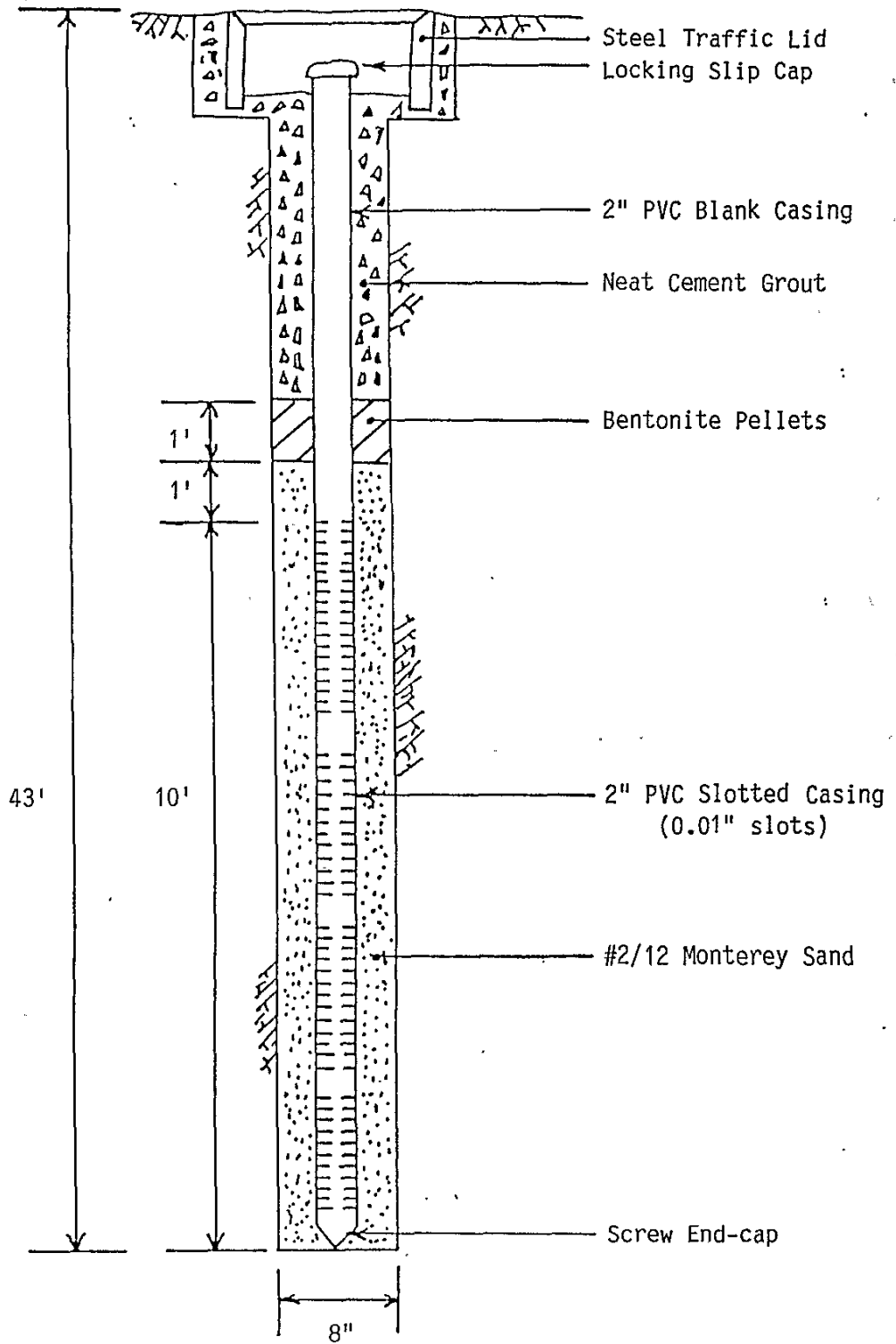


4089

403286

3S/2W 8H3

MONITORING WELL MW-1



19100 Mission Blvd
Hayward, California

01-471D-

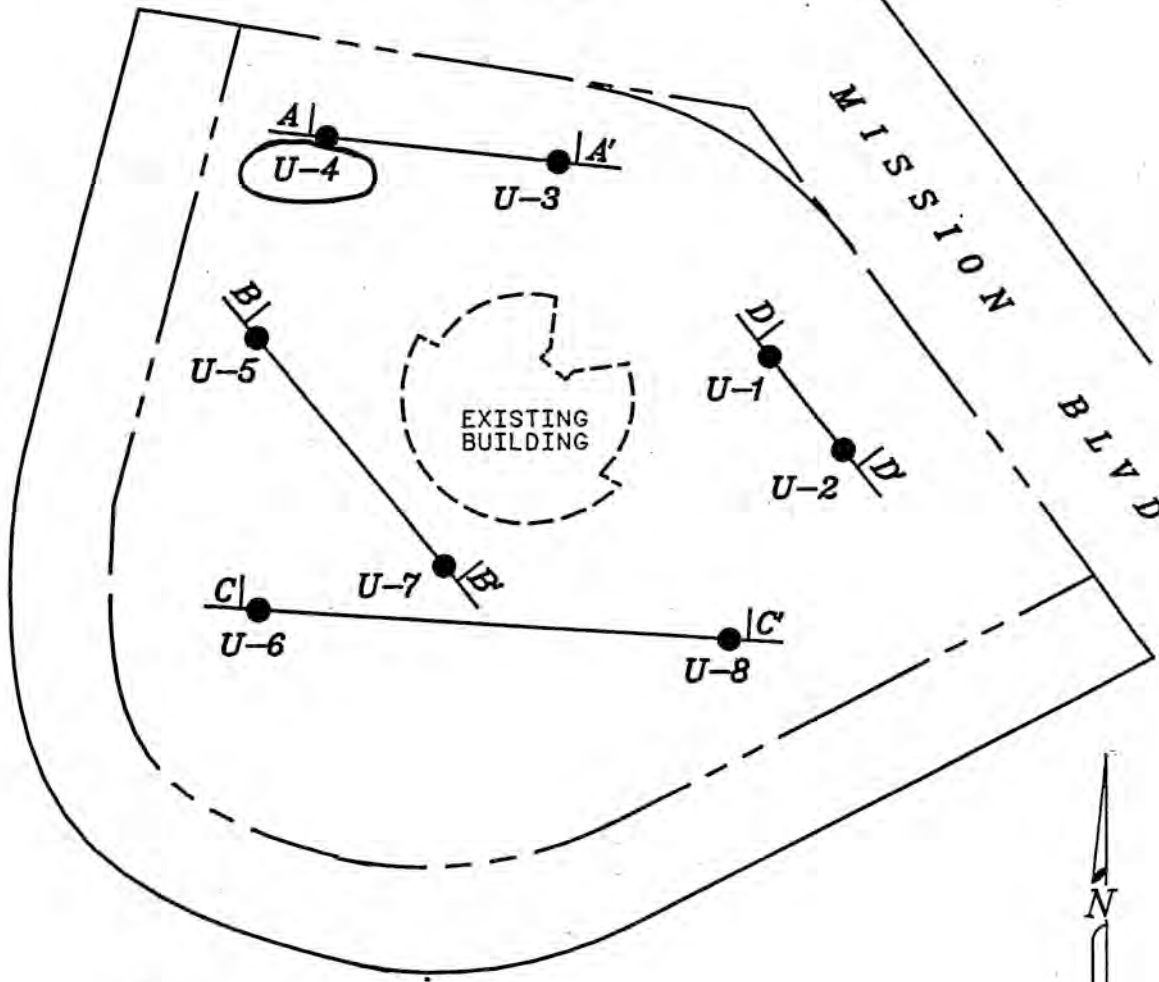
35/2W 8H-
BURGER KING
Krone Enterprises

DRAFT

18555 Mission Blvd

LEWELLING BLVD

MISSION BLVD



NOT TO SCALE

**BURGER KING,
MISSION BLVD**
MISSION BLVD & LEWELLING BLVD
SAN LORENZO, CALIFORNIA

LOCATION MAP

1805 TRIBUTE ROAD, SUITE 8 - SACRAMENTO, CA 95815

Lic R CE 15555

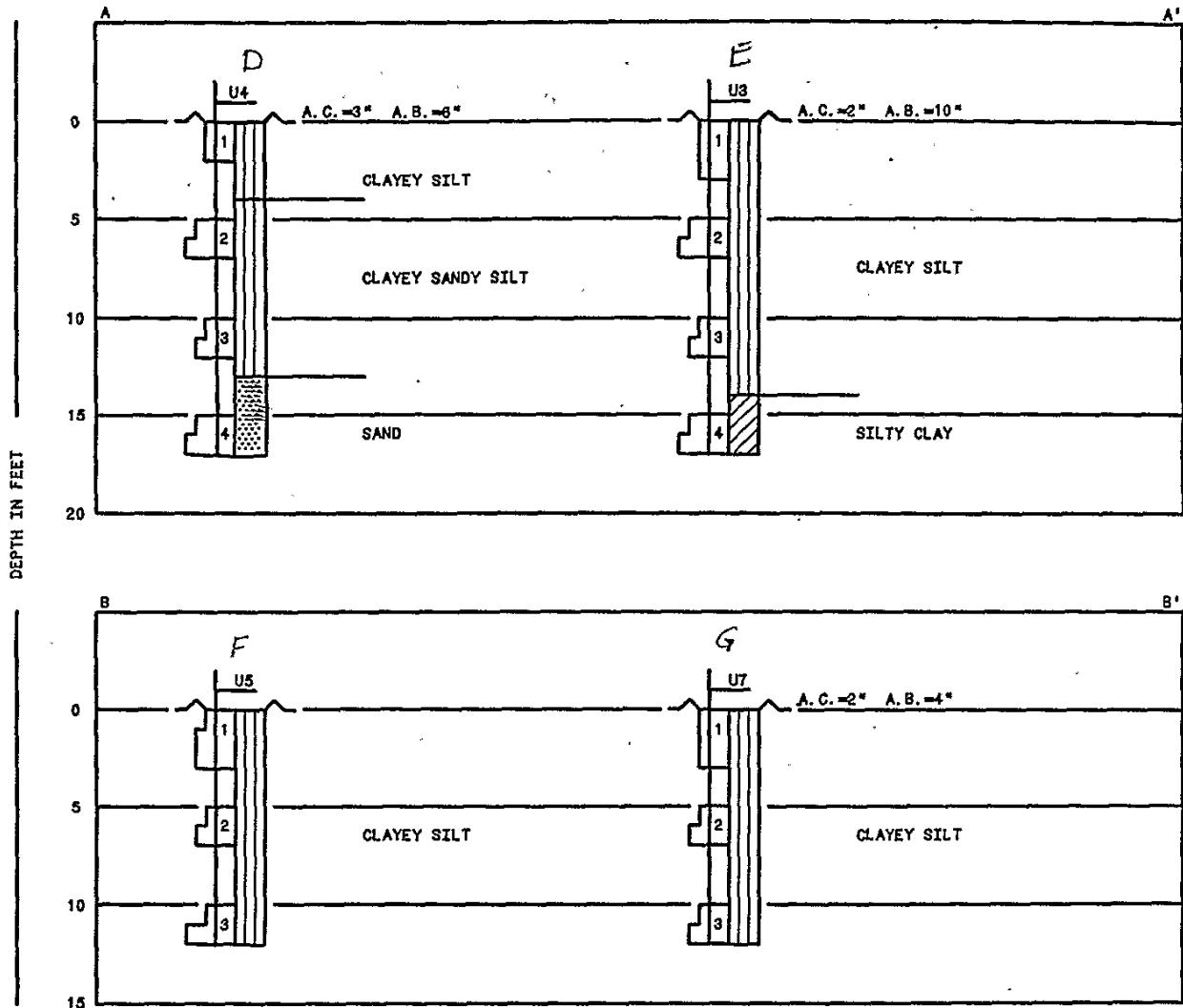
phone 916 - 9299267

DATE 30-JAN-81
DRWG. NO. EB108-1
PLATE NUMBER 1

owner

01-471D

DRAFT



SCALE
 50 40 30 20 10 0
 BLOWS PER FOOT

**BURGER KING,
 MISSION BLVD**
 SOIL PROFILE

DATE 30-JAN-01
 DRWG. NO. E9108-2

PLATE NUMBER 2

The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.

REGION _____
 COUNTY S. Alameda
 NEAR _____

DIVISION OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN _____
 DWR No. 3572W-834LM B & N
 OTHER NOS. 3/2-857

WELL LOG

01-1469

LOCATION Cambridge and Hampton Roads, Hayward, California

OWNER J. E. Pointer ADDRESS _____

DRILLED BY A. Swanson ADDRESS _____

DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED 3/23/33

SIZE OF CASING DEPTH _____ STRUCK WATER AT _____

PERFORATIONS _____ SIZE _____ NO. _____

WATER LEVEL BEFORE PERFORATING _____ AFTER _____

TEST DATA: DISCHARGE G. P. M. _____ DRAWDOWN FT. _____ HOURS RUN _____

OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____

SURFACE ELEV. 70 USGS DATUM _____ SOURCE OF INFORMATION ARGO Pump

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
	1 - 8	Black soil		
	8 - 30	Clay		
	30 - 39	Gravel		
	39 - 74	Clay		
	74 - 84	Sandy		
	84 - 94	Clay and Gravel		
	94 - 109	Clay		
	109 - 118	Gravel		
	118 - 120	Clay and Sand		
		Perforated every other joint		
		#5 Chisel from 70' to 98'		
		1" x 1/8" slot open at 108 - 116		

FOR FIELD COPIES USE ALTERNATE LINES

Plotted and Coded
 by Wall

LOG OBTAINED BY WF DATE 2/15/50 SHEET 1 OF _____

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

1401

01-546Q

03502W08M07

LOG OF BORING MW-1

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

Date Drilled: 06/27/92

Well Casing Top Elevation:

Casing Diameter: 2"

Filter Pack Type: sand

Grout Type: cement/bentonite

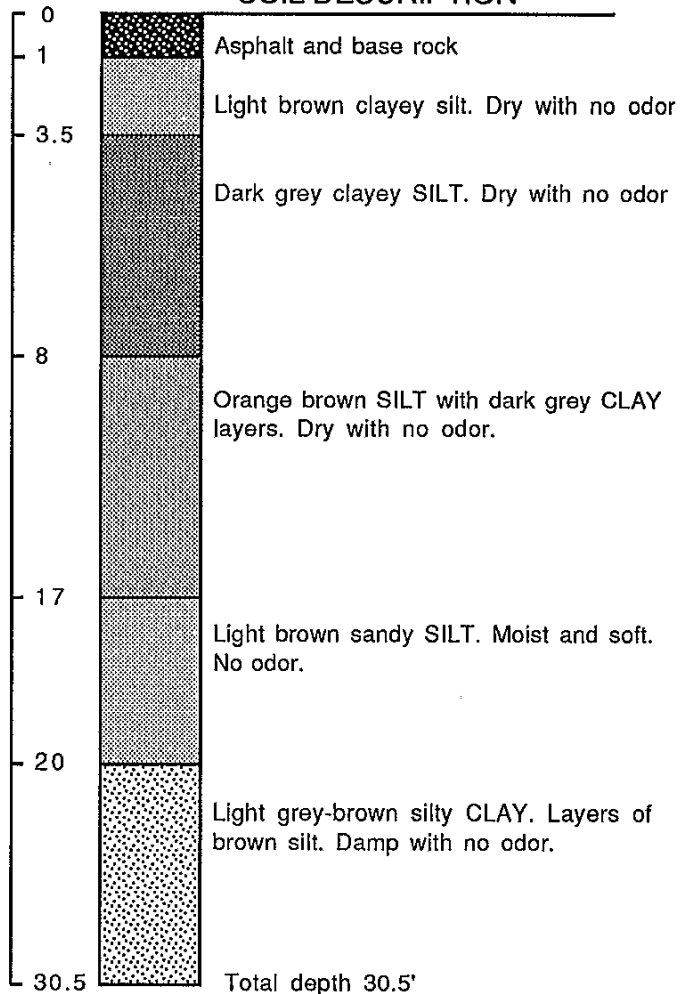
Screen Size: 0.020

Boring Diameter: 6 7/8"

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	2/5/6	5'	ML
SS	5/10/17	10'	CL
SS	4/4/4	15'	CL
SS	2/4/6	20'	ML
SS	1/3/6	25'	CL
SS	1/2/3	30'	CL

DEPTH IN FEET

SOIL DESCRIPTION



BORING LOGGED BY: F.M.

*permit 92312
657 482 390
Kriehanz*

(415) 726-7700
AUGEAS CORPORATION

TITLE:
MW-1 Boring Log

DRAWN BY:
JF

DATE:
07/02/92

PROJECT NO.
MJ0592

17771 Meekland Ave. 15445

Wood

01-546B

03302W08M09

LOG OF BORING MW-2

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

Date Drilled: 06/27/92

Well Casing Top Elevation:

Casing Diameter: 2"

Filter Pack Type: sand

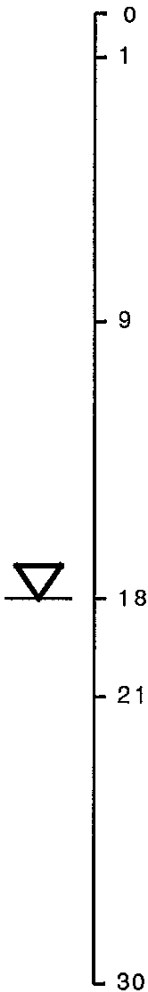
Grout Type: cement/bentonite

Screen Size: 0.020

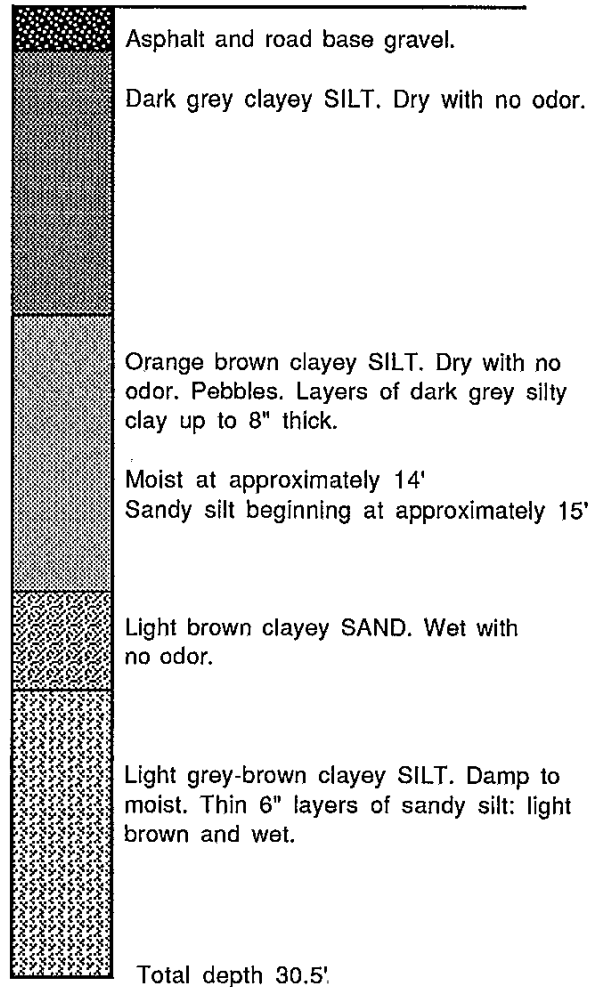
Boring Diameter: 6 7/8"

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	2/4/6	5'	ML
SS	3/12/15	10'	ML
SS	2/3/4	15'	ML
SS	1/2/3	20'	SM
SS	2/2/4	25'	ML
SS	3/3/4	30'	ML

DEPTH IN FEET



SOIL DESCRIPTION



BORING LOGGED BY: F.M.

AUGEAS CORPORATION

TITLE:
MW-2 Boring Log

DRAWN BY:
JF

DATE:
07/02/92

PROJECT NO.
MJ0592

1545

Log 1

01-5465

03502W08M09

LOG OF BORING MW-3

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

Date Drilled: 06/27/92

Well Casing Top Elevation:

Casing Diameter: 2"

Filter Pack Type: sand

Grout Type: cement/bentonite

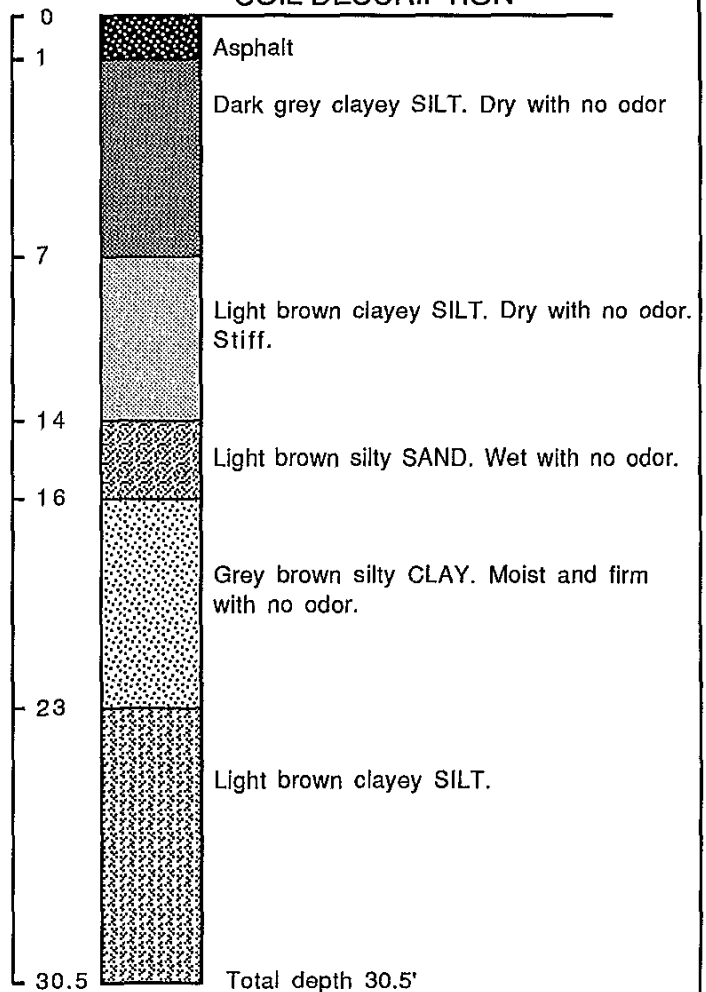
Screen Size: 0.020

Boring Diameter: 6 7/8"

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	2/5/6	5'	ML
SS	7/11/12	10'	ML
SS	3/5/6	15'	SM
SS	2/4/5	20'	CL
SS	2/3/3	25'	ML
SS	4/2/6	30'	ML

DEPTH IN FEET

SOIL DESCRIPTION



BORING LOGGED BY: E.M.

AUGEAS CORPORATION

TITLE:
MW-3 Boring Log

DRAWN BY:
JF

DATE:
07/02/92

PROJECT NO.
MJ0592

1545

171

01-546T

03502W08M

LOG OF BORING SB-1

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

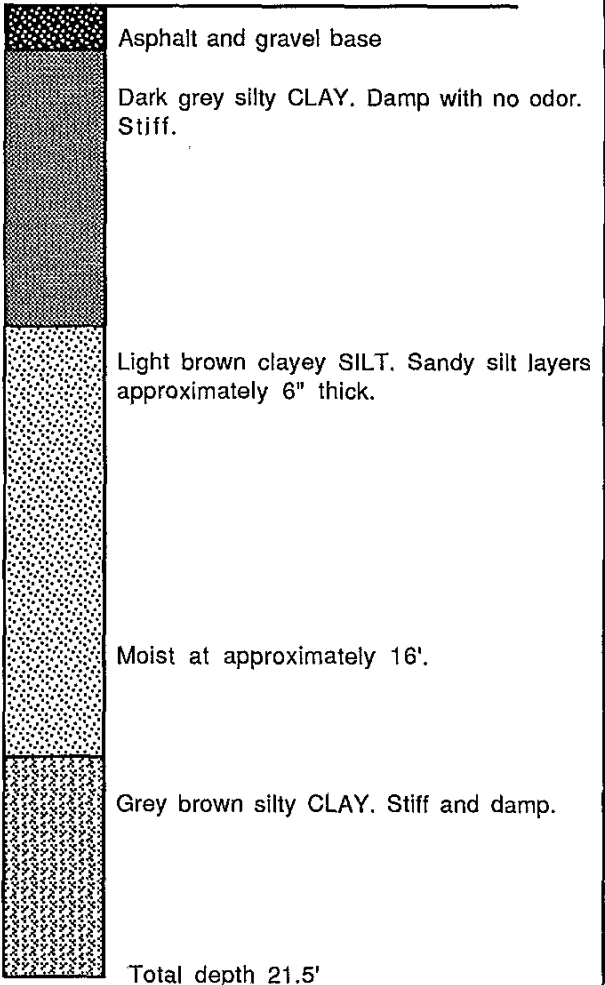
Date Drilled: 06/27/92

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	1/4/5	5'	CL
SS	5/11/12	10'	ML
SS	2/4/5	15'	ML
SS	4/7/8	20'	CL

DEPTH IN FEET



SOIL DESCRIPTION



BORING LOGGED BY: F.M.

AUGEAS CORPORATION		
TITLE: SB-1 Boring Log		
DRAWN BY: JF	DATE: 07/02/92	PROJECT NO. MJ0592

1545

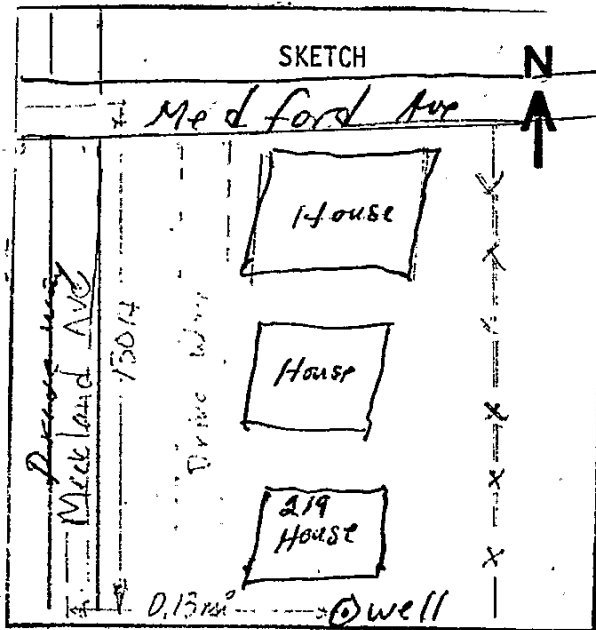
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

33214

33214



AGENCY
PUBLIC WORKS

1978 FEB 24 AM 11:59

RECEIVED

1978 MAR 3 PM 1:40

DEPT. OF WATER
RESOURCES

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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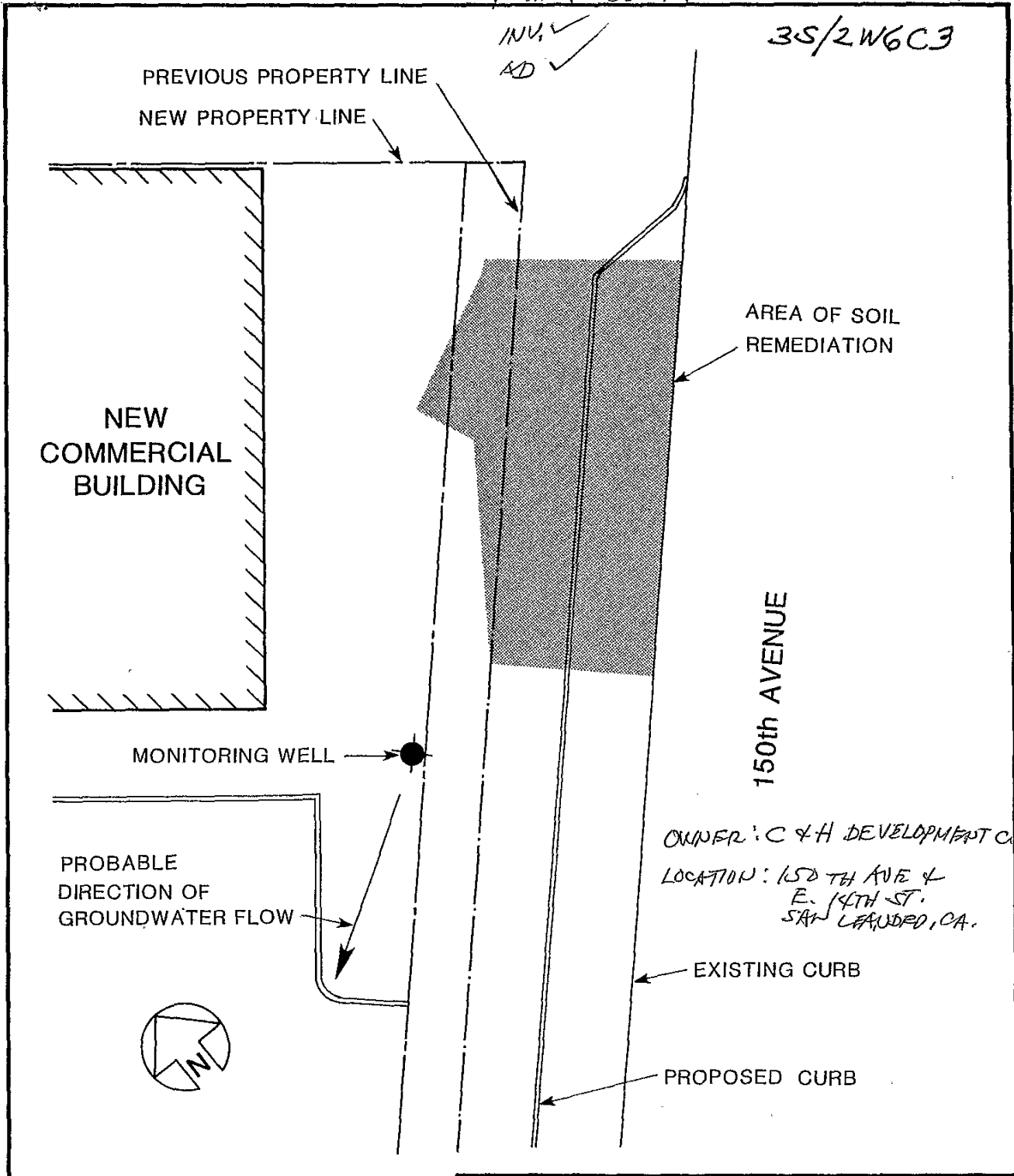
01-351

permit 88071

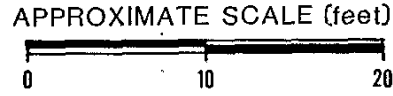
plm/gpd

35/2W6C3

INV. ✓
AD ✓



OWNER: C & H DEVELOPMENT CO.
LOCATION: 150th AVE & E. 14th ST.
SAN LEANDRO, CA.



MONITORING WELL LOCATION

Subsurface Consultants

150th AVE. & E. 14th ST. - SAN LEANDRO, CA		
JOB NUMBER	DATE	APPROVED
209.006	4/26/88	<i>[Signature]</i>

PLATE
1

DRILLER: JOHN CARVER DRILLING CO.

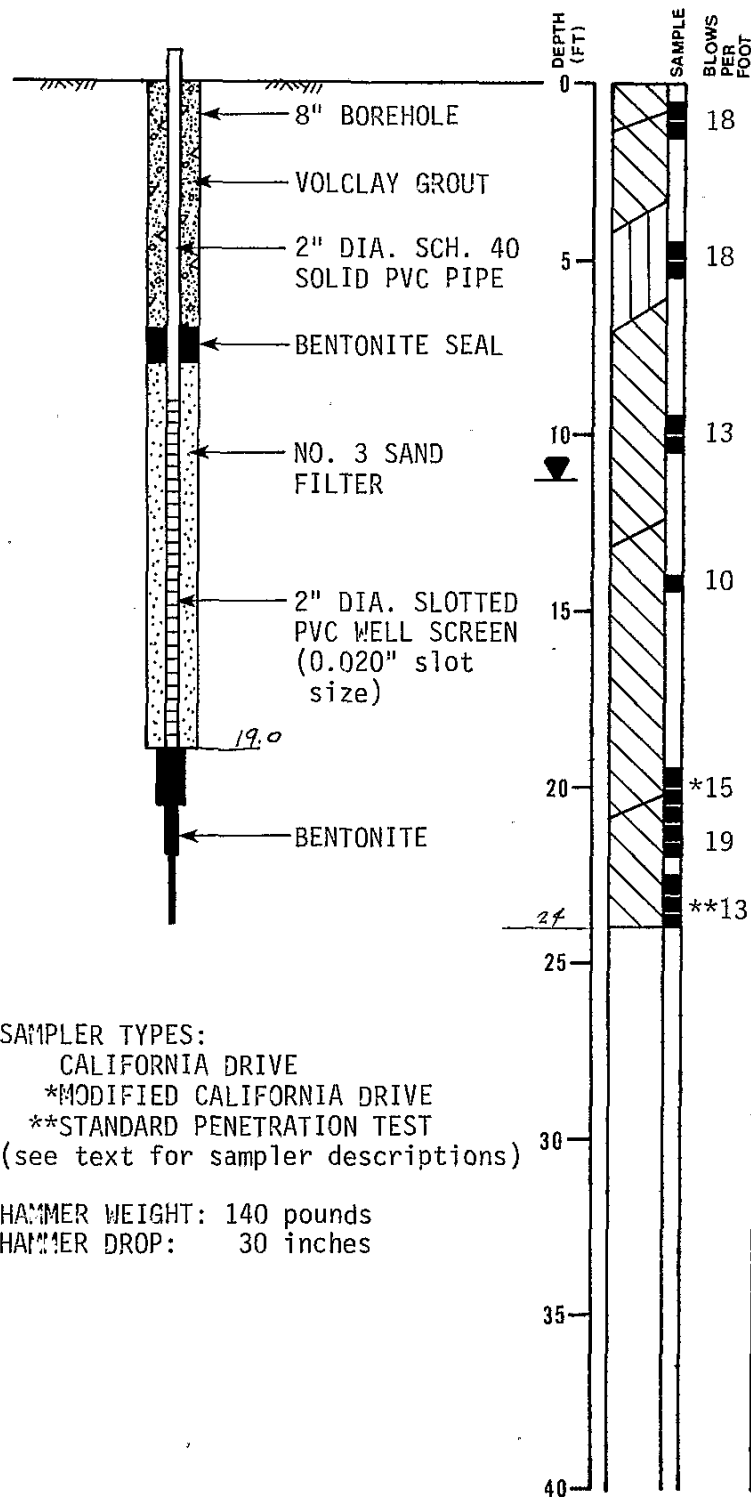
#88071

01-351

35/2W6C3 *foot*

LOG OF TEST BORING 1

EQUIPMENT 8" Hollow Stem Auger
 DATE DRILLED 3/31/88
 ELEVATION --



18 BROWN SILTY CLAY (CL)
 stiff, moist, contains numerous rock fragments
 BLACK SILTY CLAY (CL)
 stiff, moist
 18 OLIVE-BROWN SANDY CLAYEY SILT (ML)
 stiff, moist, contains occasional rock fragments
 MOTTLED OLIVE-BROWN SILTY CLAY (CL)
 medium stiff, moist
 13 GROUNDWATER LEVEL 1 HOUR AFTER DRILLING
 10 OLIVE-GREEN SILTY CLAY (CL)
 medium stiff, wet
 increase in sand content
 15 *15 DARK BROWN SILTY CLAY (CL)
 stiff, wet
 19
 24 **13

SAMPLER TYPES:
 CALIFORNIA DRIVE
 *MODIFIED CALIFORNIA DRIVE
 **STANDARD PENETRATION TEST
 (see text for sampler descriptions)

HAMMER WEIGHT: 140 pounds
 HAMMER DROP: 30 inches

Subsurface Consultants

150th AVE. & E.14th ST.-SAN LEANDRO, CA
 JOB NUMBER 209.006 DATE 4/21/88 APPROVED *ja*

PLATE 2

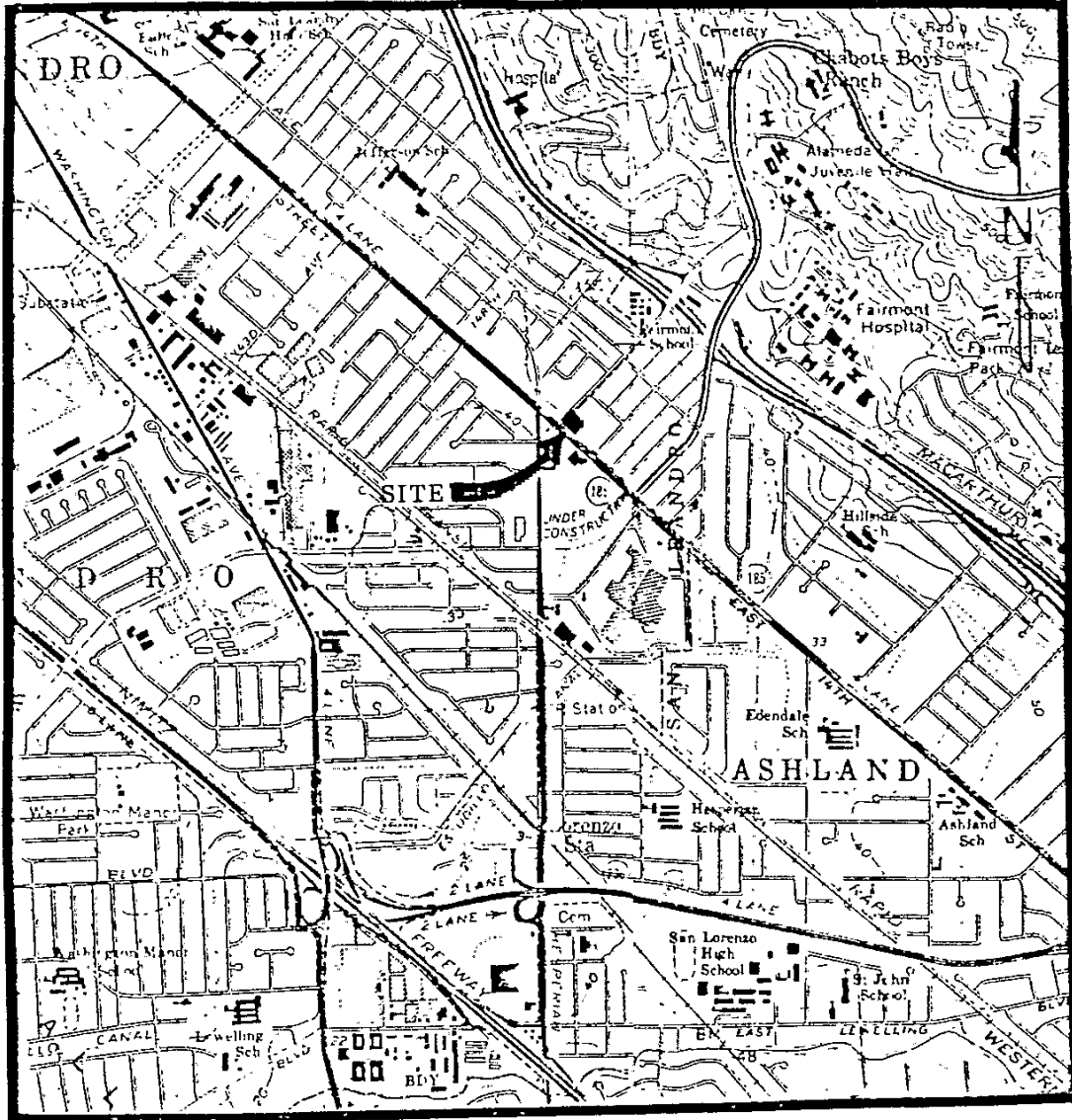


KAPREALIAN ENGINEERING, INC.
Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

35/2w 6C13-17

308354 A-E



LOCATION MAP

Base modified from U.S.G.S. 7.5 minute Hayward
Quadrangle (photorevised 1980) and San Leandro
Quadrangle (photorevised 1980)

Unocal S/S #3292
15008 E. 14th Street
San Leandro, CA

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

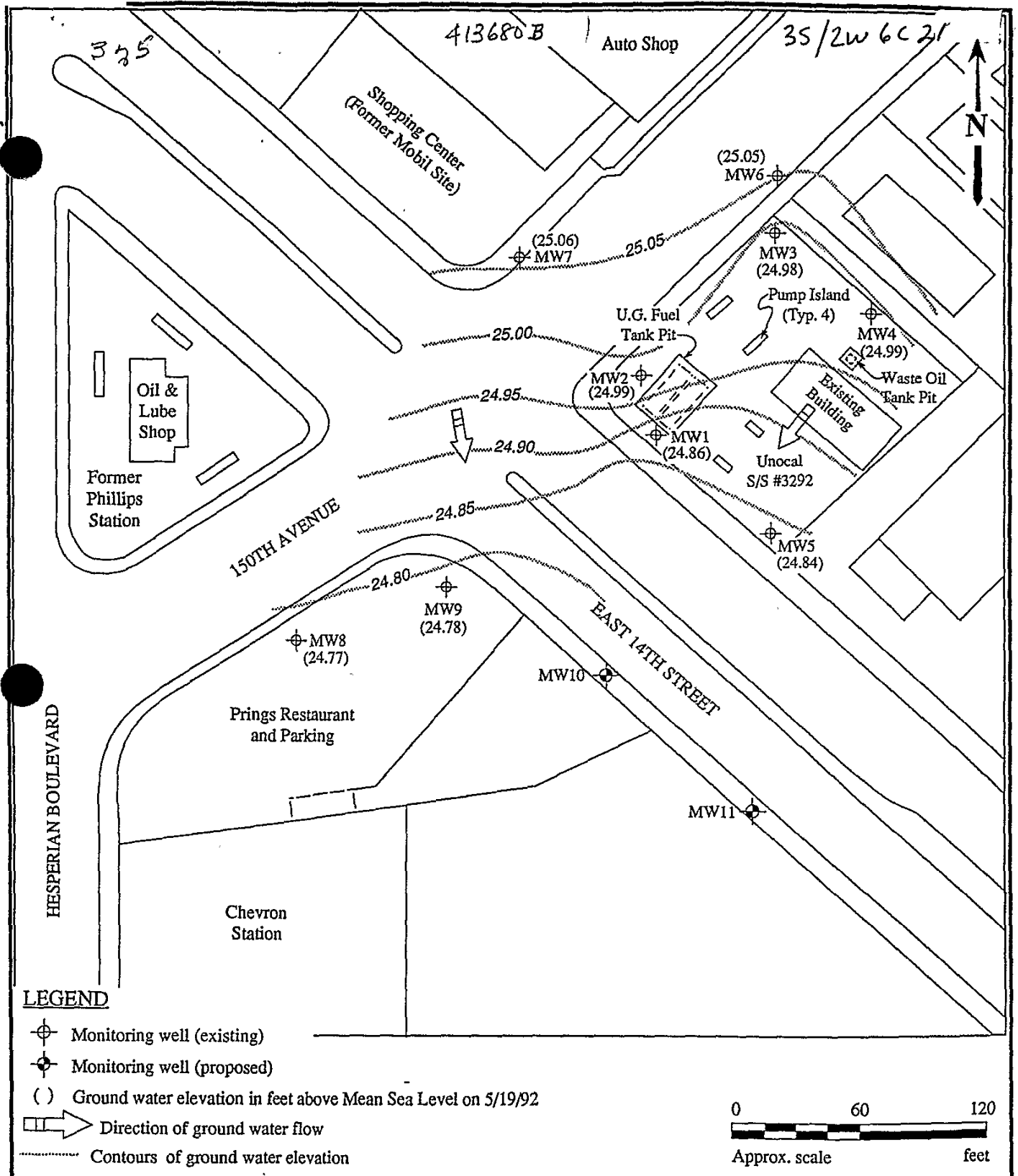


FIGURE 1. POTENTIOMETRIC SURFACE MAP FOR MAY 19, 1992 MONITORING EVENT.



**KAPREALIAN ENGINEERING
 INCORPORATED**

**UNOCAL SERVICE STATION #3292
 15008 E. 14TH STREET
 SAN LEANDRO, CA**

**FIGURE
 1**

BORING LOG

Project No. KEI-P91-0102	Boring & Casing Diameter 9" 2"	Logged By <i>JGG</i> D.L. <i>EG 1633</i>
Project Name Unocal S/S #3292 15008 E. 14th, San Leandro	Well Cover Elevation	Date Drilled 5-5-92
Boring No. MW7	Drilling Method Hollow-stem Auger	Drilling Company Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
		0		Concrete slab over sand and gravel base.
NO BLOW COUNT DATA - SAMPLES PUSHED		5	ML/CL	Silt, clayey silt, and silty clay in pockets, with minor sand and gravel, soft to firm, moist, yellowish brown to black (fill and disturbed native soil).
		7.5	CL/SM	Pocketed clay, silt, and sand, soft, moist (fill).
		10	CH	Silty clay, stiff, moist, olive brown and dark grayish brown mottled, very dark gray discolored root holes, occasionally wet inside root holes.
		11.5		Silty clay as above except olive brown.
		13	ML	Silt, trace very fine-grained sand, firm, wet, olive gray.
		15	MH	Clayey silt, firm to stiff, very moist, dark olive gray, root holes common.
		17	ML	Sandy silt, trace clay, sand is very fine-grained, firm to stiff, wet, dark olive gray.
		19.5	CH	Clay with silt, trace very fine-grained sand, stiff, moist, very dark grayish brown and dark gray mottled. Lenses of grayish brown clayey silt below 19.5 feet.
		21.5		Clay, very stiff, moist, black, trace caliche.

Very poor recovery at 7.5 feet.

5795

413680B

35/2W 6C21

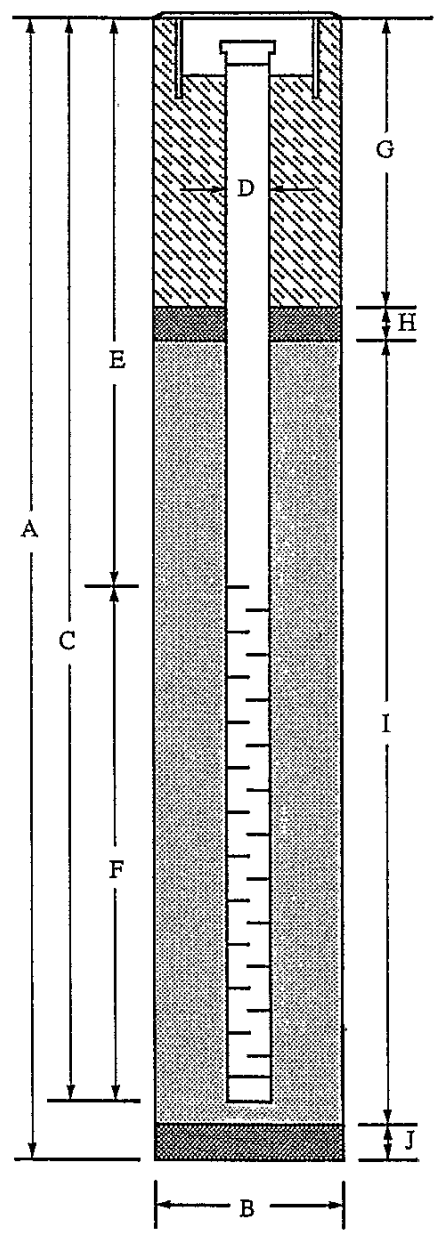
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal S/S #3292, 15008 E. 14th, San Leandro WELL NO. MW7

PROJECT NUMBER: KEL-P91-0102

WELL PERMIT NO.: ACF & WCD 92201

Flush-mounted Well Cover



- A. Total Depth : 21.5'
- B. Boring Diameter* : 9"
- Drilling Method: Hollow Stem Auger
- C. Casing Length: 21.5'
- Material: Schedule 40 PVC
- D. Casing Diameter: OD = 2.375"
ID = 2.067"
- E. Depth to Perforations: 11'
- F. Perforated Length: 10.5'
- Perforation Type: Machined Slot
- Perforation Size: 0.010
- G. Surface Seal: 8'
- Seal Material: Neat Cement
- H. Seal: 2'
- Seal Material: Bentonite
- I. Filter Pack: 11.5'
- Pack Material: RMC Lonestar Sand
- Size: #2/12
- J. Bottom Seal: None
- Seal Material: N/A

* Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

#87014

INV ✓
AD ✓

01-352A

plot/49d

Code Area Nos. 10-034

ASSESSOR'S MAP 77D

1487

PAGE 3

Scale 1" = 50'

Rancho San Leandro (Jose Joaquin Estudillo) (Map 24 1/2)

Estudillo Park (Map 26 Pg. 1)
TRACT 1215 (Map 33 Pg. 4) P.M. 689 (Bk 79 Pg. 2)

35/2W6E7V

Rev. 3-11-22 AM
3-14-28 BV

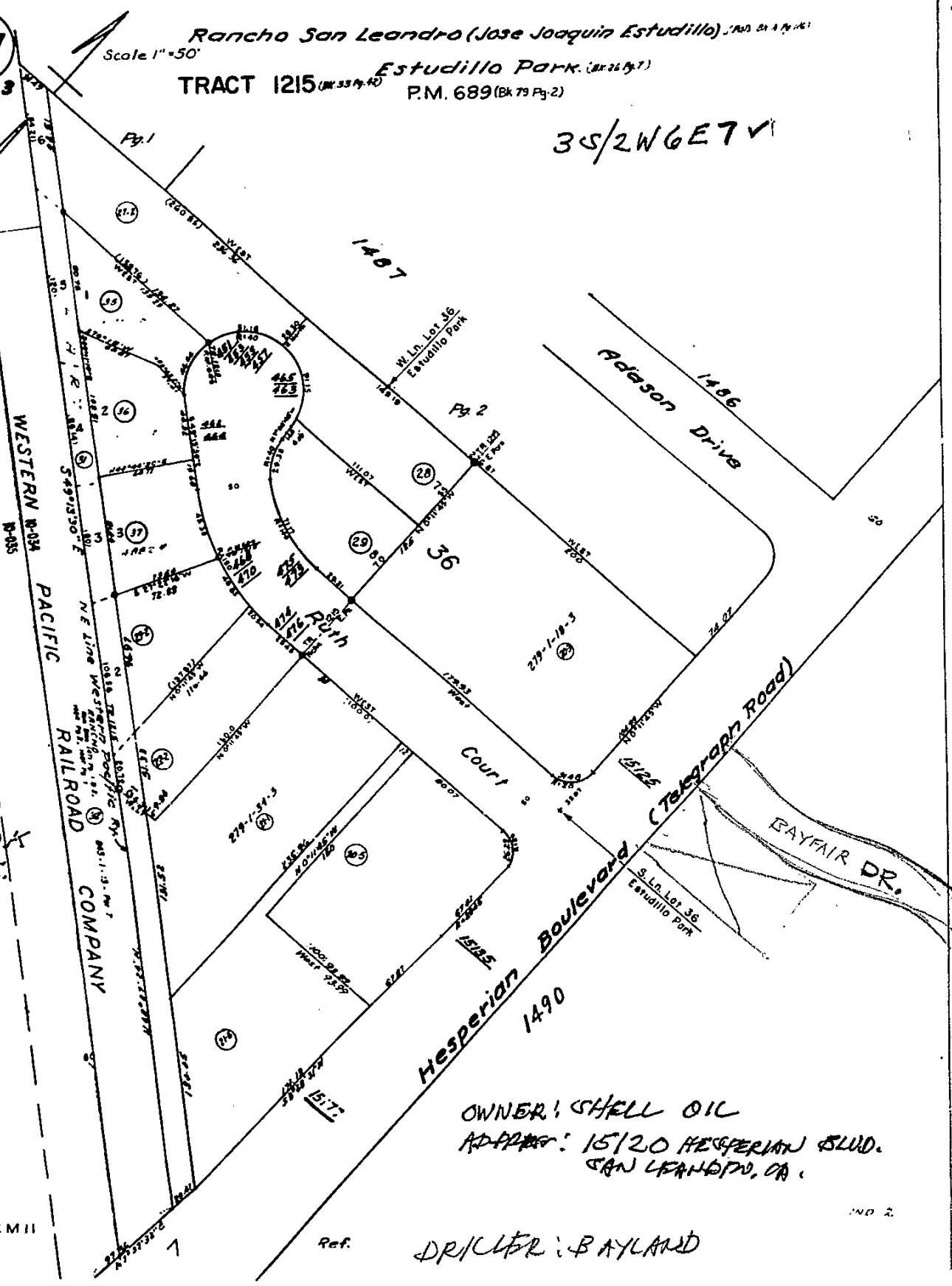
Part of 1629 Family Par 20-1
Previously in BOOK 77C BK 432

BOOK
77C

ACM II

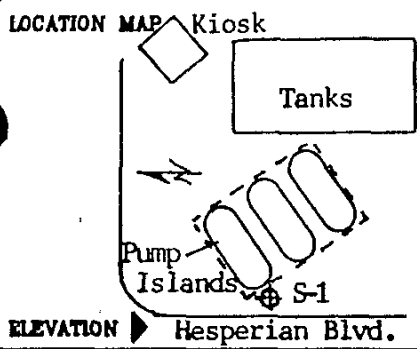
Ref.

IND 2



OWNER: SHELL OIL
ADDRESS: 15120 HESPERIAN BLVD.
SAN LEANDRO, CA.

DRAWN BY: BAYLAND



SHELL OIL COMPANY -- WELL LOG PAGE 1 OF 1

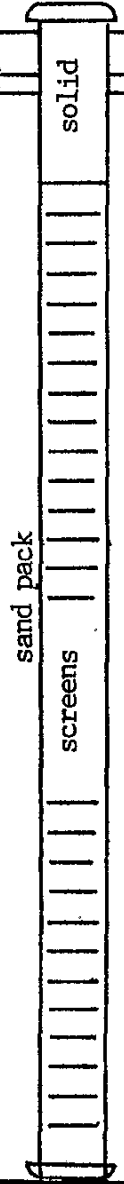
WELL NUMBER ▶ S-1	LOCATION ▶ San Leandro
DATE ▶ 2/2/87	WEATHER ▶ raining
LOGGED BY ▶ SMW	DRILLED BY ▶ Bayland: Ed, Curt
DRILLING METHOD ▶ HSA	SAMPLING METHOD ▶ Cal. Mod.
GRAVEL PACK ▶ CA	SEAL ▶ bentonite & concrete

CASING ▶ TYPE Schedule 40 PVC	DIAMETER 3"	LENGTH 3'	HOLE DIA 8"
SCREEN ▶ TYPE Schedule 40 PVC	SLOT .020"	DIAMETER 3"	LENGTH 17'
			TOTAL DEPTH 20'

WELL TUBE	CONTENT	DEPTH	MOISTURE	PLASTICITY	SAMPLE NO.	WATER (ppm)	DEPTH	SAMPLE	RECOVERY	PUNCTURE	RESISTANCE	LITHOLOGY / REMARKS	WELL COMPLETION
							0					Concrete	
							1					Baseroack	
							2					(CL) black clay; roots and wood fragments; slight to moderate odor	
							3						
							4						
						65	4						
							5						
							6						
							7					(tan, slightly mottled to orange and gray; organic material)	
							8						
							9						
						75	10					(SM) tan silty very fine sand; moderate odor	
							1						
							2						
							3						
							4						
							5						
							6					(CL) dark gray clay; no odor	
							7						
						7.4	8						
							9						
							10						

OWNER: SHELL OIL
 ADDRESS: 15120 HESPERIAN BLVD.
 SAN LEANDRO, CA.

total depth = 20'



#87014

INV ✓
AD ✓

01-352B

plot/used

ASSESSOR'S MAP 77D

Code Area Nos. 10-034

1487

PAGE 3

Scale 1"=50'

Rancho San Leandro (Jose Joaquin Estudillo); P.M. 54 & 79-167

Estudillo Park. (Bk 35 Pg 7)
TRACT 1215 P.M. 689 (Bk 79 Pg 2)

3S/2W6E8V

Para. 1629 Fully Par 20-1
234-478 300-700 in Assessor's

WESTERN BORN PACIFIC
RAILROAD COMPANY

BOOK
77C

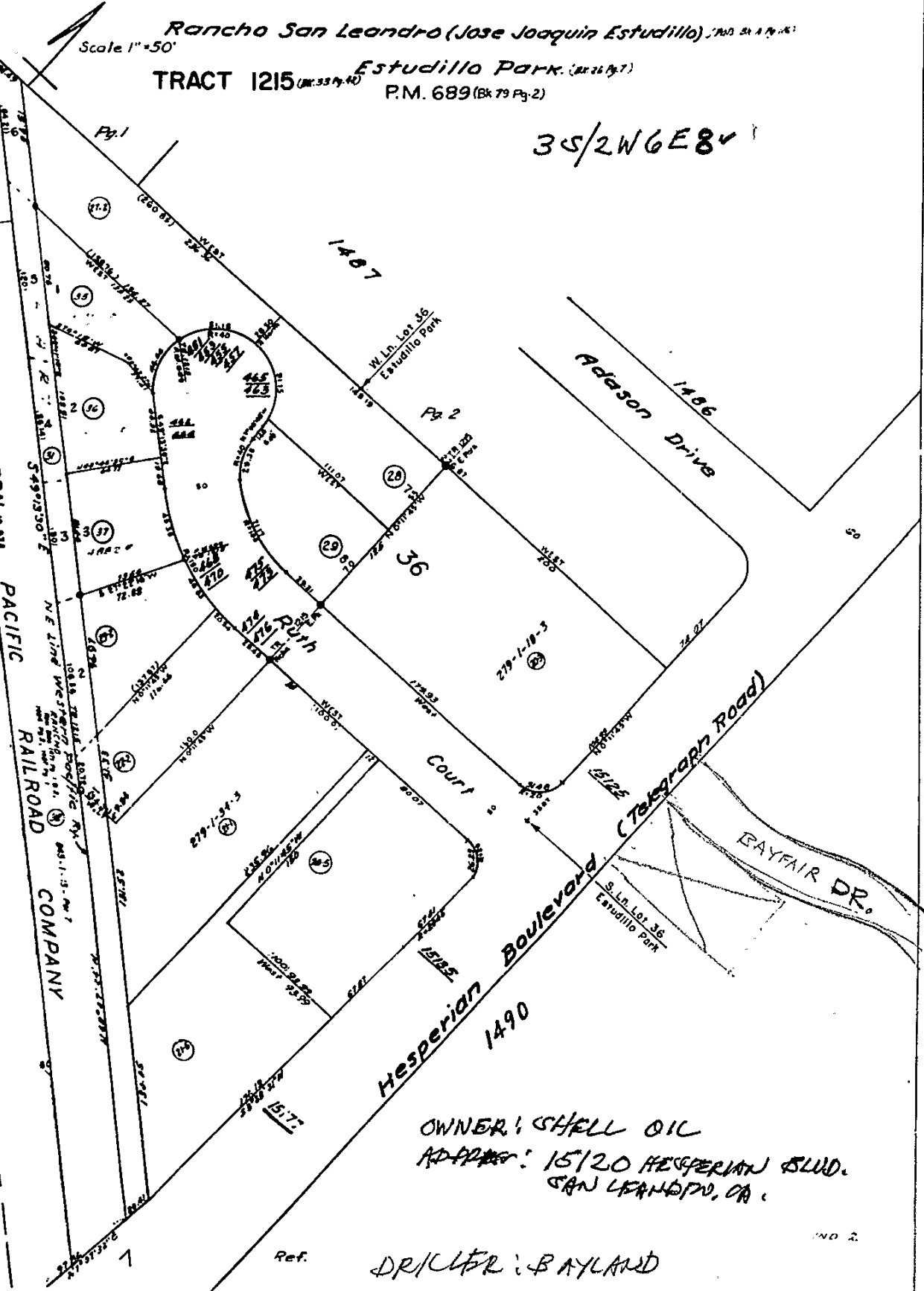
ACM II

Ref.

DRILLER: BAYLAND

OWNER: SHELL OIL
ADDRESS: 15120 HESPERIAN BLVD.
SAN LEANDRO, CA.

IND 2



INV ✓
 KP ✓

LOCATION MAP Kiosk 		SHELL OIL COMPANY -- WELL LOG PAGE 1 OF 1								
WELL NUMBER ▶ S-2		LOCATION ▶ San Leandro								
DATE ▶ 2/2/87		WEATHER ▶ raining								
LOGGED BY ▶ SMW		DRILLED BY ▶ Bayland: Ed, Curt								
DRILLING METHOD ▶ HSA		SAMPLING METHOD ▶ Cal. Mod.								
GRAVEL PACK ▶ CA		SEAL ▶ bentonite & concrete								
ELEVATION ▶ Hesperian Blvd.										
CASING ▶ TYPE Schedule 40 PVC		DIAMETER 3"	LENGTH 3'							
SCREEN ▶ TYPE Schedule 40 PVC		SLOT .020"	DIAMETER 3"							
		LENGTH 17'	HOLE DIA 8"							
		TOTAL DEPTH 20'								
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NO.	WATER (DDM)	DEPTH	SAMPLE RECOVERY	PORE WATER RESISTANCE	LITHOLOGY / REMARKS	WELL COMPLETION
						0			Concrete	concrete
						1			Baseroack	bentonite
						2			(CL-GC) dark gray to black gravelly clay to clayey gravel; slight odor	solid
						3				
		MSt	M		50	4	P			
						5			(CL) dark gray to black clay; slight odor	
						6				sand pack screens
						7				
						8				
						9				
						10	3		(moderate odor)	
Mst-Wt		MSt	M		52	10	3		(product coming up around outside of augers)	
						11	3			
						12				
						13				
						14				
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01-447X

BOR 3 S / 2 W 6 E

Total depth of boring: 11-1/2 feet Diameter of boring: 8 inches Date drilled: 9-5-89Casing diameter: N/A Length: N/A Slot size: N/AScreen diameter: N/A Length: N/A Material type: N/ADrilling Company: Icon Drilling Driller: Jim and GregMethod Used: Hollow-Stem Auger Field Geologist: Mike Killoran

Signature of Registered Professional: _____

Registration No.: _____ State: CA

Depth	Sample No.	Blgs	P.I.D.	USCS Code	Description	Well Const.
0						
2						
4						
6	S-6	8 13 13	13.5	CL	Silty clay, brown, damp, medium plasticity, stiff, noticeable odor.	
8						
10		6		SW	Medium sand, dark gray, wet, medium dense, obvious odor.	
10.5	S-10.5	8 9	206	SP	Fine sand, brown, wet, medium dense, obvious odor.	
12					Total Depth = 11-1/2 feet.	
14						
16						
18						
20						



PROJECT NO. 19031-1

LOG OF BORING B - ⁵~~10~~

Former USA Petroleum
Service Station No. 73
15120 Hesperian Boulevard
San Leandro, California

PLATE

Lic #657 563305

01-447X

02151

Adason Drive

Hesperian Boulevard

Court

36

1487

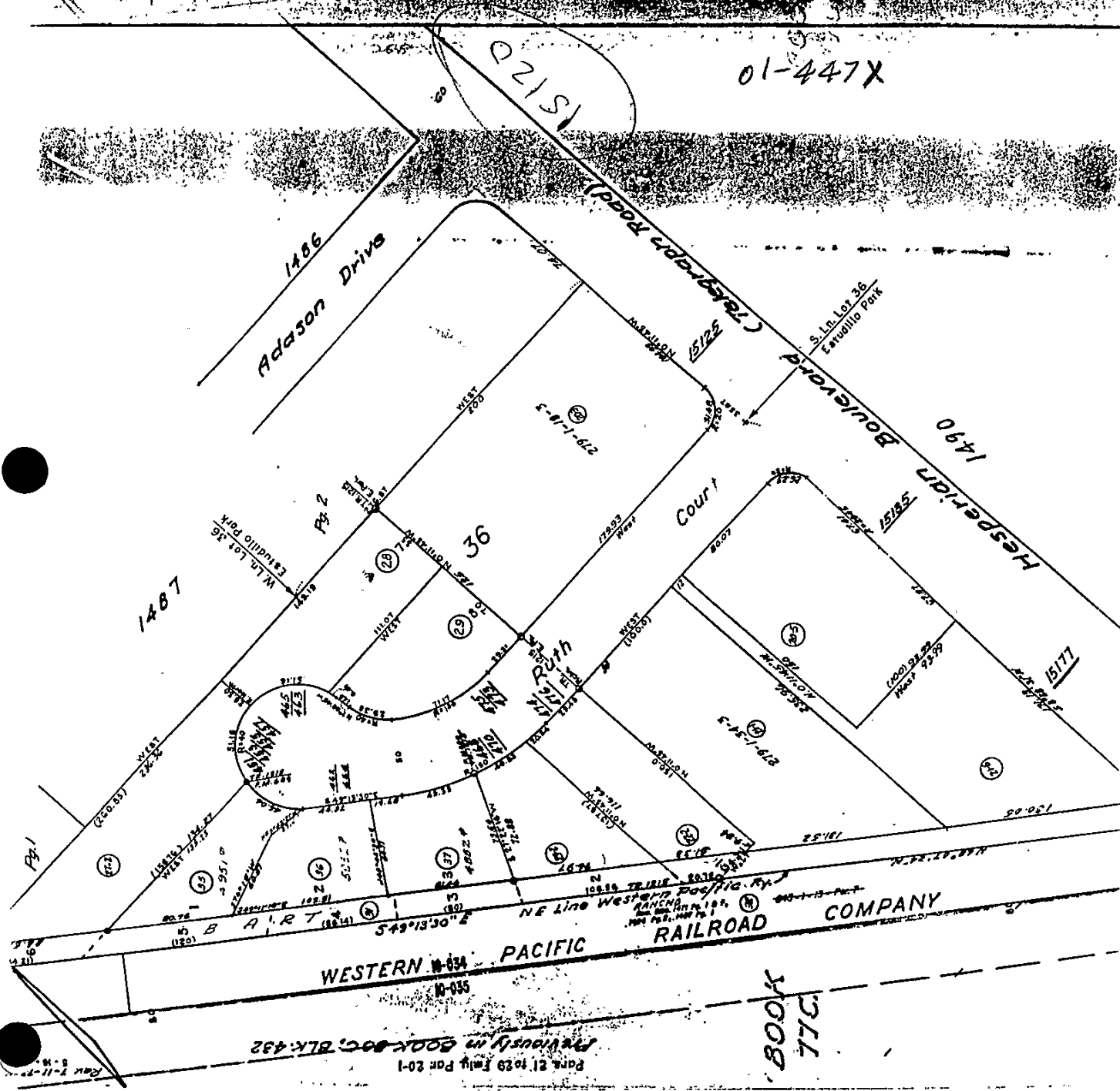
1490

1517

WESTERN PACIFIC RAILROAD COMPANY

Part of 1029 July 20-1
Previously in Book 805, Blk 432

BOOK
77C



01-4474

BOR 3512W 6E

Total depth of boring: 11-1/2 feet Diameter of boring: 8 inches Date drilled: 9-5-89Casing diameter: N/A Length: N/A Slot size: N/AScreen diameter: N/A Length: N/A Material type: N/ADrilling Company: Icon Drilling Driller: Jim and GregMethod Used: Hollow-Stem Auger Field Geologist: Mike Killoran

Signature of Registered Professional: _____

Registration No.: _____ State: CA

Depth	Sample No.	BLOWS	P.I.D.	USCS Code	Description	Well Const.
0						
2				CL	Silty clay, with trace sand, black, damp, medium plasticity, very stiff, obvious odor.	
4						
6	S-6	10 16 20	23		Mottled brown and black, noticeable odor.	
8						
10	S-11	5 6 11	452	SW ▽ =	Gravelly sand, black, damp, medium dense, obvious odor.	
12					Total Depth = 11-1/2 feet.	
14						
16						
18						
20						



PROJECT NO. 19031-1

LOG OF BORING B - 6

Former USA Petroleum
Service Station No. 73
15120 Hesperian Boulevard
San Leandro, California

PLATE

01-447Y

02151

Adason Drive

Boulevard
1490
Hesperian

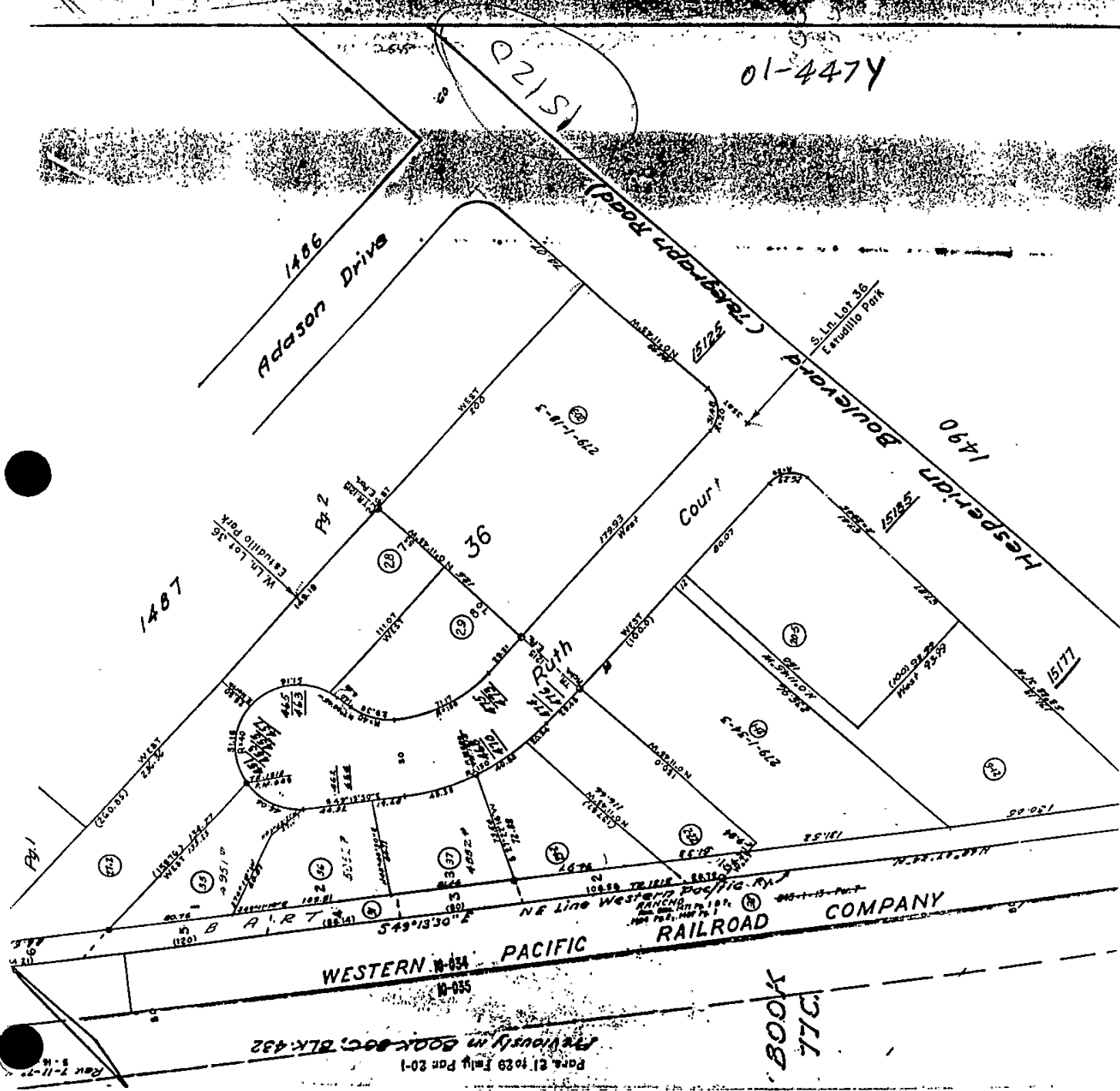
1487

1486

WESTERN PACIFIC RAILROAD COMPANY

Part of 1029 Final Plan 20-1
Previously in Book 805, Blk 432

BOOK
77C



01-447Z

BOK 3S/2W 6E

Total depth of boring: 11-1/2 feet Diameter of boring: 8 inches Date drilled: 9-5-89
 Casing diameter: N/A Length: N/A Slot size: N/A
 Screen diameter: N/A Length: N/A Material type: N/A
 Drilling Company: Icon Drilling Driller: Jim and Greg
 Method Used: Hollow-Stem Auger Field Geologist: Mike Killoran
 Signature of Registered Professional: _____
 Registration No.: _____ State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0				CL	Silty clay, brown, damp, medium plasticity.	
2						
4				GW	Gravelly sand, brown-gray, moist, medium dense, obvious odor.	
6	S-6	8 5 9	89	CL	Silty clay, brown, moist, stiff, noticeable odor.	
8				GM	Gravel-sand-clay mixture, wet, medium dense, obvious odor.	
10		8 5 8	5.4	SW	Gravelly sand, gray, wet, loose, obvious odor.	
12	S-10.5			SP	Fine to medium sand, brown, wet, medium dense, obvious odor.	
					Total Depth = 11-1/2 feet	
14						
16						
18						
20						



Applied GeoSystems

PROJECT NO. 19031-1

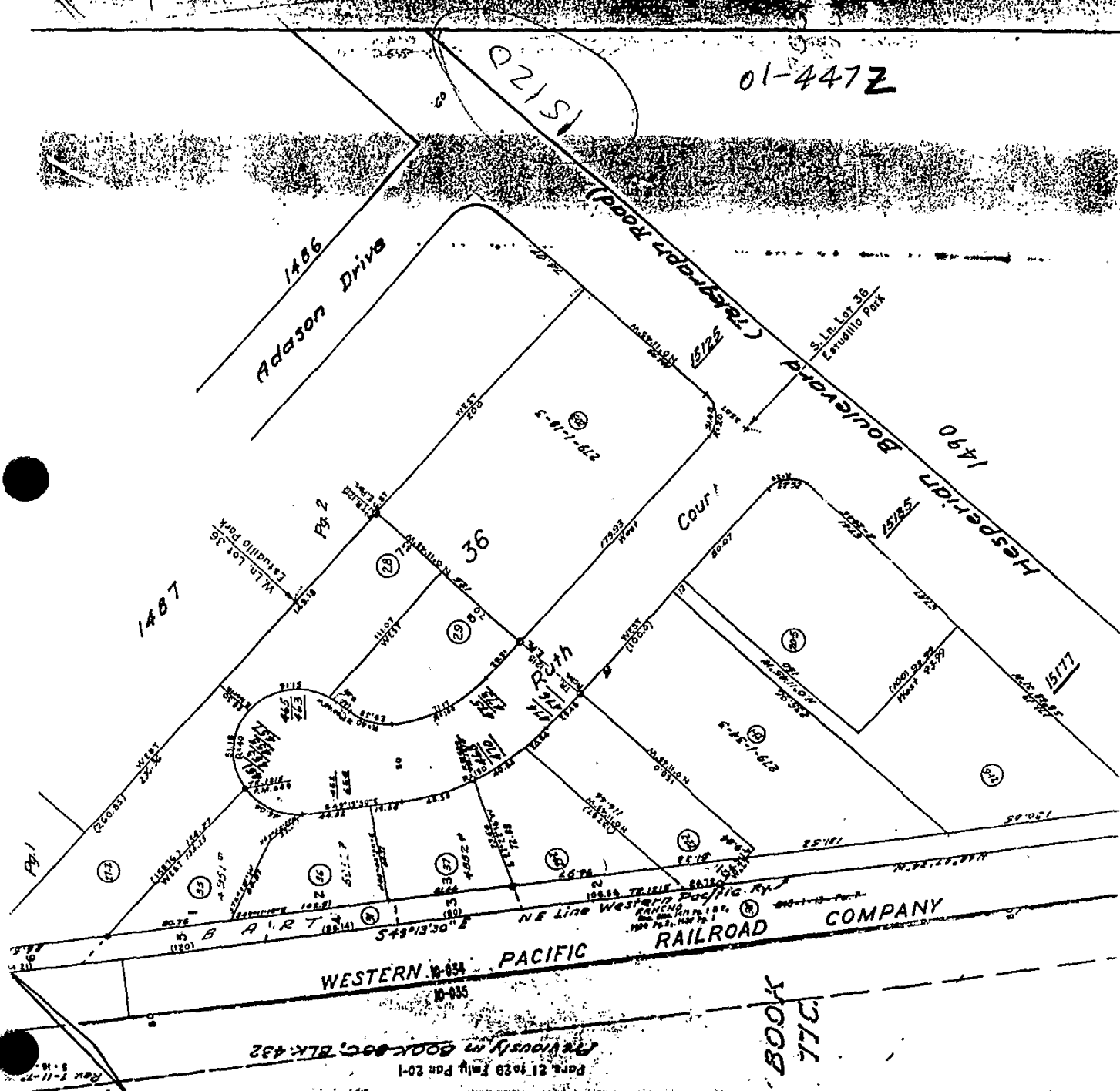
LOG OF BORING B - 7

Former USA Petroleum
 Service Station No. 73
 15120 Hesperian Boulevard
 San Leandro, California

PLATE

01-447Z

02151



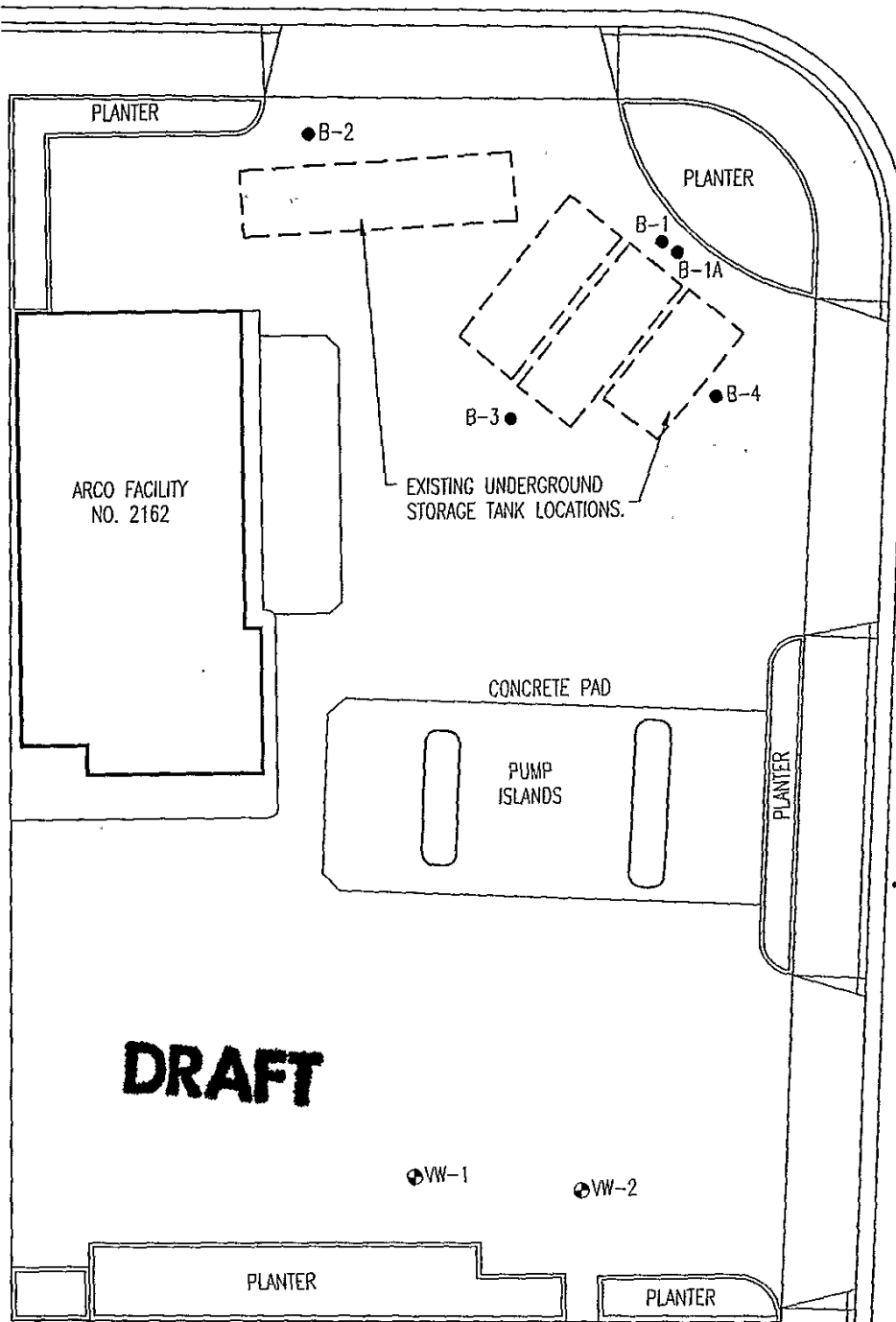
Part 21 1029 Fmly Part 20-1
Previously in Book 805, Blk 432

BOOK
77C

01-5148

03S 02W 06F 02 M

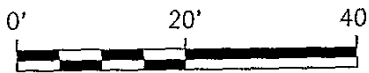
RUTH COURT




DRAFT

EXPLANATION

- B-1 SOIL BORING LOCATIONS AND DESIGNATIONS.
- ⊕ VW-1 VAPOR EXTRACTION TEST WELL LOCATIONS AND DESIGNATIONS.



 ROUX ASSOCIATES, INC. ENVIRONMENTAL CONSULTING & MANAGEMENT	COMPILED BY: J.F.	PREPARED FOR: ARCO PRODUCTS COMPANY	FIGURE 2
	PREPARED BY: R.P.	TITLE: LOCATION OF SOIL BORING AND UNDERGROUND STORAGE TANKS ARCO FACILITY NO. 2162	
	PROJECT MNGR. B.T.		
	DATE: 07/91		
	SCALE: AS SHOWN		
PROJECT NO. A101W01			
FILE NAME: AR216201			

phone: 415-370-2275

PERMIT 91263

CS7 485165

01-6145

035 02W 06F02 H

ROUX

















Project: ARCO FACILITY NUMBER 2162 15135 Hesperian Blvd, San Leandro, CA		Log of Well No. VW1	
Date Started: 6/5/91	Total Depth: 10.5-ft	Casing Elev: 30	GW ATD: 10.0ft/ft
Date Completed: 6/5/91	Perforation: 0.020 Slotted PVC from 8.7 To 3.7		
Logged By: Jonathan Florez Checked By: L.E.	Pack: #3 Monterey Sand from 9.0 To 3.3		
Drilling Co: Gregg Drilling Driller: S. Stone	Seal: Bentonite Chips from 3.3 To 2.3		
Drilling Method: Hollow Stem Auger	Concrete from 2.3 To 0		
Drilling Equipment: Mobile B-53	Casing: 2" sched. 40 PVC		Drill Bit Diameter: 6 inches
	Sampler: CA Modified Split-spoon		

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	QVM (ppm)	REMARKS
	Asphalt & baserock						
	SAND, medium to fine, brown, and medium to fine(+) gravel.						
	SILT, clayey, black, trace fine sand.	MH					
	SILT, clayey, black, trace 2mm. brown needles.	MH			5-13-16		
5	SILT, sandy, green, moist, rootlet fragments.	ML					
	SAND, coarse to fine(+), green, little fine gravel, moist.	SW			6-8-7		
	SAND, silty(+) to clayey, green, moist.	SM					
10					3-6-8		1.5-foot thick bentonite seal below vapor extraction well
15							





DRAFT

SYMBOL KEY








LITHOLOGIC SYMBOL KEY (Unified Soil Classification System)

-  *Fill (made ground)*
-  **SW** *Well Graded Sand*
-  **SP** *Poorly Graded Sand*
-  **SM** *Silty Sand*
-  **SC** *Clayey Sand*
-  **PT** *Peat*
-  **OL** *Low Plasticity Organic Silt*
-  **OH** *High Plasticity Organic Silt*
-  **ML** *Low Plasticity Silt*
-  **MH** *High Plasticity Silt*
-  **GW** *Well Graded Gravel*
-  **GP** *Poorly Graded Gravel*
-  **GM** *Silty Gravel*
-  **GC** *Clayey Gravel*
-  **CL** *Low Plasticity Clay*
-  **CH** *High Plasticity Clay*

SAMPLER SYMBOL KEY

-  *Continuous Core Barrel*
-  *Standard Penetration Test*
-  *Modified California Sampler*
-  *Shelby Sampler*

WELL CONSTRUCTION SYMBOL KEY

-  *Sand Pack w/Slotted Casing*
-  *Sand Pack*
-  *Concrete Grout/Fill*
-  *Bentonite Grout/Seal*
-  *Cement/Bentonite Grout*
-  *Water Level at Time of Drilling.*
-  *Stabilized Water Level.*

01-542N

03502W06F08



February 1, 1993

RECEIVED
FEB 5 - 1993
ZONE 7, ACFC&WCD

Mr. Craig A. Mayfield
Water Resources Engineer III
**ALAMEDA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**
5997 Parkside Drive
Pleasanton, CA 94588

1101-J3

**REFERENCE: Groundwater Monitoring Well Construction Program
15120 Hesperian Boulevard, San Leandro, California
USA Petroleum Station #73, (Drilling permit #92254)**

Dear Mr. Mayfield:

This letter is written to summarize field activities relating to the installation of several groundwater monitoring wells at the above-referenced site. A site location map and a site plot plan illustrating the well locations are attached for your reference.

Park Environmental Corporation (Park) installed a total of eight groundwater monitoring wells at the site. The wells are designated as MW-1-P (formerly E-1-P), E-2-P, MW-2-P, MW-3-P, MW-4-P, MW-5-P, MW-6-P and MW-7-P (Figure 2). Wells MW-1-P and E-2-P were installed in trenches excavated the week of March 16, 1992. Wells MW-4-P, MW-5-P, MW-6-P and MW-7-P were drilled and installed during the week of August 3, 1992. **Park** installed two additional wells, MW-2-P and MW-3-P during the week of September 13, 1992.

The well installations were performed at various times of the year to accommodate Westfield Design & Construction's efforts to grade and develop the site.

The soil boring/well construction logs for the groundwater monitoring wells are attached for your reference.

01-542 N |

It is hoped that this letter and accompanying attachments will meet your requirements. If you have any further questions regarding the groundwater monitoring program, please contact myself or Mr. Ed Furu, Senior Hydrogeologist, at 714/777-1001.

Sincerely,

PARK ENVIRONMENTAL CORPORATION

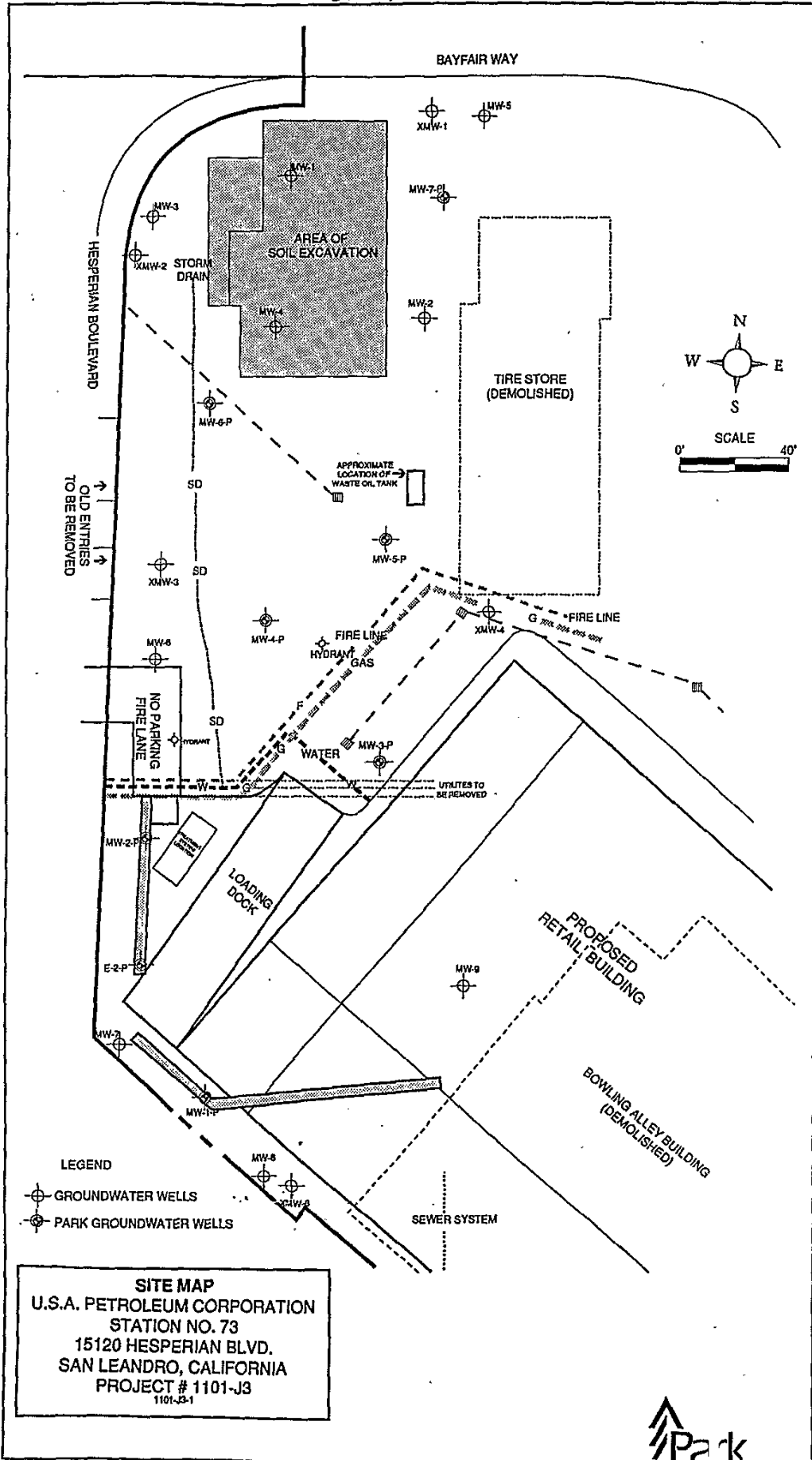


Christopher K. Goodrum
Project Hydrogeologist

CKG/kj

01-542 N

035020-06P 08



SITE MAP
U.S.A. PETROLEUM CORPORATION
STATION NO. 73
15120 HESPERIAN BLVD.
SAN LEANDRO, CALIFORNIA
PROJECT # 1101-J3
 1101-J3-1



01-502N

03502W06F08

Project: USA Petroleum Corporation #73 San Leandro, California		Log of Well No. MW-2-P	
Date Started: 9/17/92		Total Depth: 26.5-ft	Casing Elev: GW ATD:9.5ft/
Date Completed: 9/17/92		Perforation: .020 inch from 5' to 15'	
Logged By: C.K. Goodrum Checked By: Ed Furu		Pack: #3 Sand from 4' to 26.5'	
Drilling Co: West HazMat Driller: Bill		Seal: Concrete from Surface to 1'	
Drilling Method: Hollow Stem		Bentonite from 1' to 4'	
Drilling Equipment: B-57		Casing: Sch. 40 PVC 4"	Drill Bit Diameter: 10 1/4
		Sampler: Split Spoon	

Depth (feet)	Lithologic Description	Lithology	Monitoring Well Construction	Sample	Blow Counts	Remarks
Surface Elevation:						
0	SILT, DARK BROWN, DRY	ML				OVA PPM
2.5	DARK GRAY AT 2.5 FEET					
5	SILT, DARK BROWN, MOIST, STIFF				14	1
8-9.5	SANDY/CLAYEY SILT, DARK GRAYISH BROWN, MOIST, STIFF (SAMPLE INTERVAL 8-9.5)				12	6
15	GRAVELLY SAND, DARK GRAY, SATURATED, MODERATELY DENSE	SP			13	80
20	SILTY CLAY, BROWN, MOIST, SOFT	CL			4	5
25	SILTY CLAY, GRAY TO BLuish GRAY, MOIST, SOFT				4	6
30	BORING COMPLETED AT 26.5 FEET BELOW GROUND SURFACE GROUNDWATER ENCOUNTERED AT 9 FEET					
35						



5100 East Hunter Avenue
Anaheim, California 92807
Tel: (714) 777-1001
Fax: (714) 777-1262

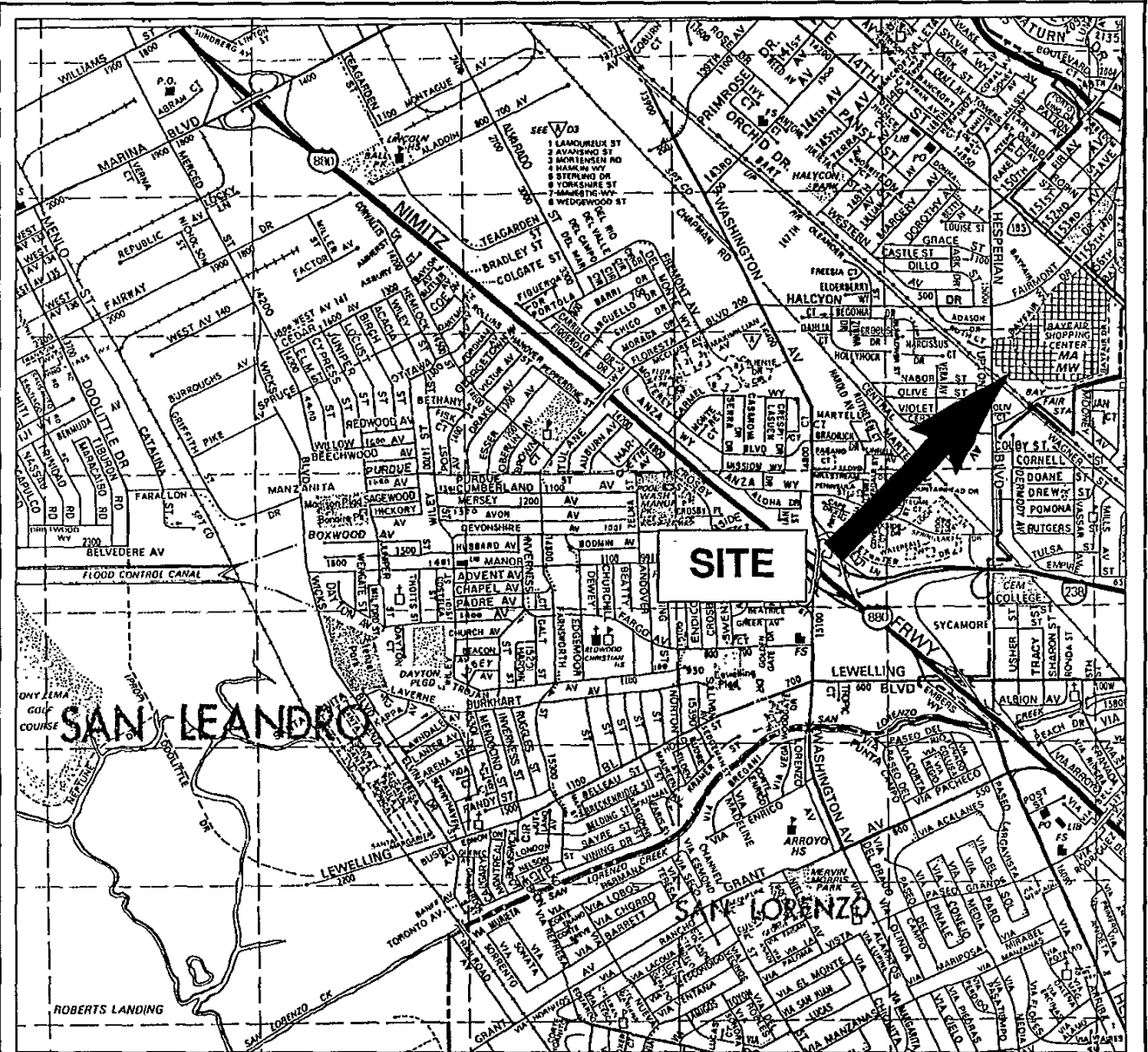
Project: **1101-J3**

MW-2-P
Page 1 of 1

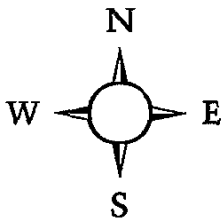
1621

01-542N

03502W 06P08



REFERENCE 1992, COUNTIES, THOMAS GUIDE MAP, PAGE 27



SCALE: 1 INCH EQUALS
APPROXIMATELY 2,400 FEET

SITE LOCATION MAP
USA PETROLEUM CORPORATION
STATION NO.73
15120 HESPERIAN BLVD.
SAN LEANDRO, CALIFORNIA
PROJECT # 1101



FIGURE 1

01-5420
Drilling Log

03502W07622



GROUNDWATER
TECHNOLOGY

Monitoring Well MW-1

Project STHL/Lewelling Owner Southland Corporation
 Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/92
 Surface Elev. 42.27 ft. Total Hole Depth 30 ft. Diameter 12 inches
 Top of Casing 41.90 ft. Water Level Initial 19.5 ft. Static 12/8/92 19.07 ft.
 Screen: Dia 4 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 4 in. Length 15 ft. Type PVC
 Filter Pack Material #3 sand Rig/Core Type B-61
 Drilling Company Kvihaug Drilling Method Hollow Stem Auger Permit # #92475
 Driller Rod Furlow Log By Tim Watchers
 Checked By David Kleesattel License No. RG# 5136 *David Kleesattel*

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PTD (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt Coarse base aggregate
2						
4		0	15 20 21			Brown and tan silty CLAY (dry, coarse, small gravel)
6						
8						
10		0	7 6 8			Dark brown silty CLAY (dry)
12					CL	
14		0	2 4 6			Brown sandy silty CLAY (tip of sampler was wet)
16						
18						
20		3	4 6 8			Dark brown silty CLAY moist (tip of the sampler was wet)
22						Encountered groundwater at 19.5 ft. (11/17/92 at 11:10) (Driller noted the soil became stiffer at about 22 feet)
24			9 15			

01-5420

Drilling Log

Monitoring Well MW-1

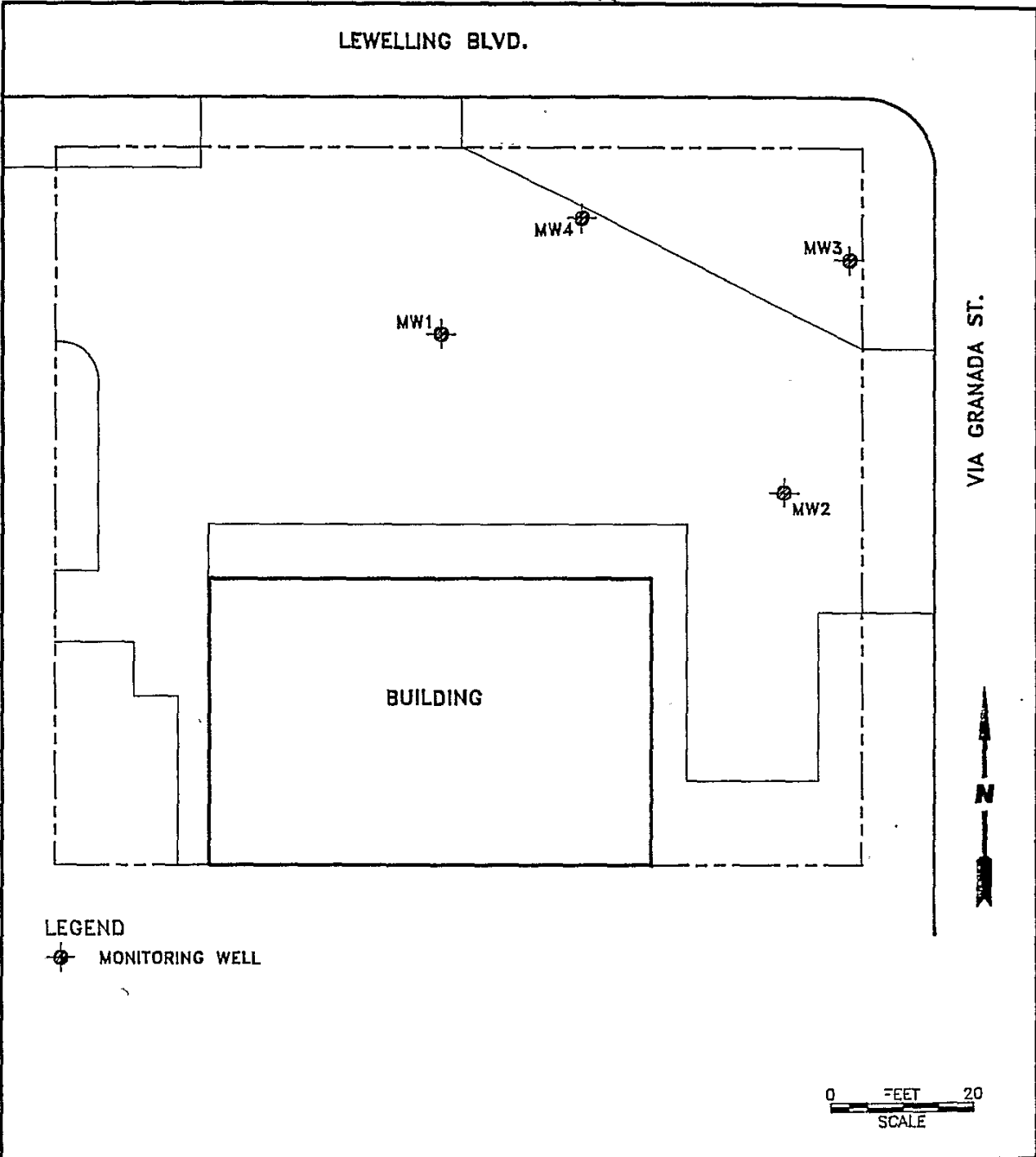


GROUNDWATER
TECHNOLOGY

Project STHL/Lewelling Owner Southland Corporation
Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/92


Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ * Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24		3.7	16 25		CL	Dark brown CLAY (wet, stiff)
26						Dark brown CLAY (saturated)
28			5 7 10			
30		4.8				End of boring. Constructed monitoring well.
32						
34						
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

01-5422



LEGEND
 ⊕ MONITORING WELL

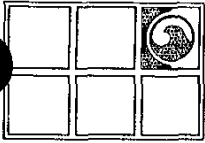
0 FEET 20
 SCALE

 GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 871-2387				SITE PLAN			
CLIENT: THE SOUTHLAND CORPORATION STORE No. 19035			LOCATION: 100 LEWELLING BLVD. SAN LORENZO, CALIFORNIA		REV. NO.: 0	DATE: 2/2/93	
PM	PE/RG	DESIGNED SL	DETAILED ML	ACAD FILE: SP293	PROJECT NO.: 020203139	FIGURE: 1	

01-542 U

03302W076-22 U

~~6-23-93~~
~~6-24-93~~
~~6-25-93~~



GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

LETTER OF TRANSMITTAL

TO:	Mr. Wyman Hong	DATE: January 29, 1993
ADDRESS:	Water Resources Zone 7 5997 Parkside Drive Pleasanton, California 94588	
ATTENTION:	Mr. Wyman Hong	
PROJECT NUMBER:	020203139	
PROJECT ADDRESS:	100 Lewelling Blvd., San Lorenzo, California	
SUBJECT:	Enclosed please find a copy of the drilling permit number 92475. The drill logs from the construction of monitoring wells and a site map showing the location of the monitoring wells are included.	

If you have any questions or comments, please contact our Concord office at (510-671-2387).

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Tim Watchers

Tim Watchers
Project Geologist

OL 5420



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94566 (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

1) LOCATION OF PROJECT Southland Store No. 19035
100 Lewelling Boulevard
San Lorenzo, CA

PERMIT NUMBER 92475
LOCATION NUMBER _____

2) CLIENT
Name The Southland Corporation
Address 5820 Stoneridge Mall Rd. (510) 847-2076
City Pleasanton, CA Zip 94566

PERMIT CONDITIONS

Circled Permit Requirements Apply

3) APPLICANT
Name Groundwater Technology, Inc.
Address 4057 Port Chicago Hwy (510) 671-2387
City Concord, CA Zip 94520

- A. GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

4) DESCRIPTION OF PROJECT
Water Well Construction Geotechnical Investigation
Cathodic Protection General
Destruction Contamination

- B. WATER WELLS, INCLUDING PIEZOMETERS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic, irrigation, and monitoring wells unless a lesser depth is specially approved.

5) PROPOSED WATER WELL USE
Domestic Industrial Irrigation
Municipal Monitoring Other

6) PROPOSED CONSTRUCTION
Drilling Method:
Mud Rotary Air Rotary Auger
Cable Other

- C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.
- E. WELL DESTRUCTION. See attached.

DRILLER'S LICENSE NO. 434343 1248

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 25 ft.
Surface Seal Depth 10-15 ft. Number 4

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

7) ESTIMATED STARTING DATE October 12, 1992
ESTIMATED COMPLETION DATE October 30, 1992

8) I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 28 Sep 92
Wyman Hong

APPLICANT'S SIGNATURE [Signature] Date 9/24/92

01-54201V

Drilling Log

03502W07623



GROUNDWATER TECHNOLOGY

Monitoring Well MW-2

Project STHL/Lewelling Owner Southland Corporation
 Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/19
 Surface Elev. 42.66 ft. Total Hole Depth 30 ft. Diameter 12 inches
 Top of Casing 42.19 ft. Water Level Initial 20.0 ft. Static 12/8/92 19.26 ft.
 Screen: Dia 4 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 4 in. Length 15 ft. Type PVC
 Filter Pack Material #3 sand Rig/Core Type B-61
 Drilling Company Kvilhaug Drilling Method Hollow Stem Auger Permit # #92475
 Driller Rod Furlow Log By Tim Watchers
 Checked By David Kleesattel License No. RG# 5136 *David Kleesattel*

See Site Map For Boring Location

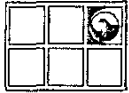
COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt Coarse base aggregate
2						
4		0	5 7 7			Dark brown silty CLAY (dry, soft)
6						
8						
10		0	4 9 13			Brown sandy/silty CLAY (dry, soft)
12					CL	
14		0	5 8 7			Light brown sandy CLAY (moist)
16						
18						
20		0.8	4 7 14			Brown sandy CLAY (moist) Encountered groundwater at 20 ft. (11/17/92 at 1430)
22						
24			5 10			

01542V

Drilling Log

Monitoring Well MW-2

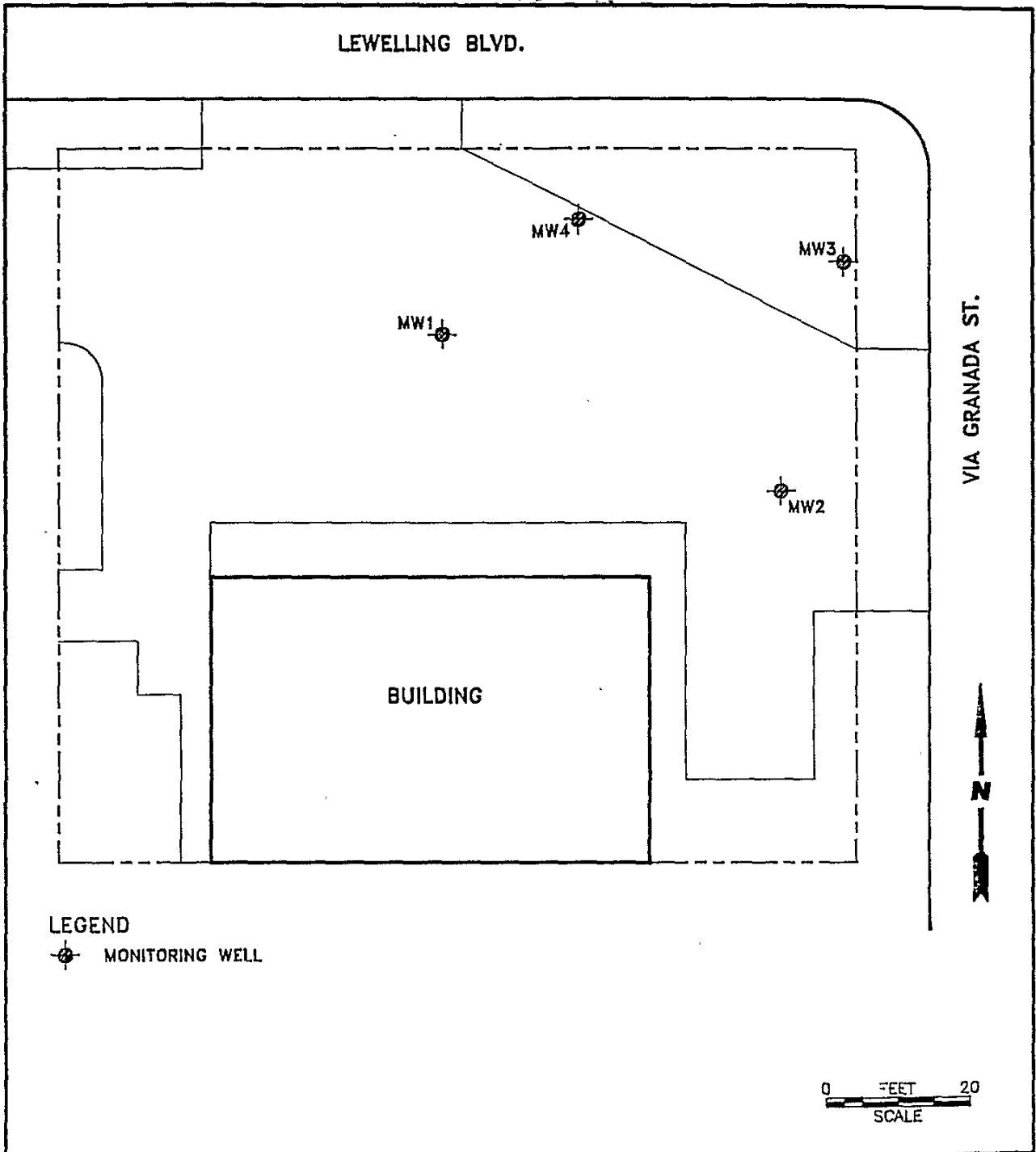



GROUNDWATER
TECHNOLOGY

Project STHL/Lewelling Owner Southland Corporation
 Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/19

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24	[Well Completion Diagram]	1.0	10 17	[Graphic Log Diagram]	CL	Brown sandy CLAY (wet, stiff)
26						Light brown silty CLAY (wet)
28			4 5 9			
30		0				End of boring. Constructed monitoring well.
32						
34						
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

01-542V |



 GROUNDWATER TECHNOLOGY				4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387		SITE PLAN			
CLIENT: THE SOUTHLAND CORPORATION STORE No. 19035				LOCATION: 100 LEWELLING BLVD. SAN LORENZO, CALIFORNIA		REV. NO.: 0	DATE: 2/2/93		
PM	PE/RG	DESIGNED SL	DETAILED ML	ACAD FILE: SP293	PROJECT NO.: 020203139	FIGURE: 1			

01-5420
Drilling Log

03502W07622



GROUNDWATER
TECHNOLOGY

Monitoring Well MW-1

Project STHL/Lewelling Owner Southland Corporation
 Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/92
 Surface Elev. 42.27 ft. Total Hole Depth 30 ft. Diameter 12 inches
 Top of Casing 41.90 ft. Water Level Initial 19.5 ft. Static 12/8/92 19.07 ft.
 Screen: Dia 4 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 4 in. Length 15 ft. Type PVC
 Filter Pack Material #3 sand Rig/Core Type B-61
 Drilling Company Kvihaug Drilling Method Hollow Stem Auger Permit # #92475
 Driller Rod Furlow Log By Tim Watchers
 Checked By David Kleesattel License No. RG# 5136 *David Kleesattel*

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt Coarse base aggregate
2						
4		0	15 20 21			Brown and tan silty CLAY (dry, coarse, small gravel)
6						
8						
10		0	7 6 8			Dark brown silty CLAY (dry)
12					CL	
14		0	2 4 6			Brown sandy silty CLAY (tip of sampler was wet)
16						
18						Dark brown silty CLAY moist (tip of the sampler was wet)
20		3	4 6 8			Encountered groundwater at 19.5 ft. (11/17/92 at 11:10) (Driller noted the soil became stiffer at about 22 feet)
22						
24			9 15			

01-5420

Drilling Log

Monitoring Well MW-1

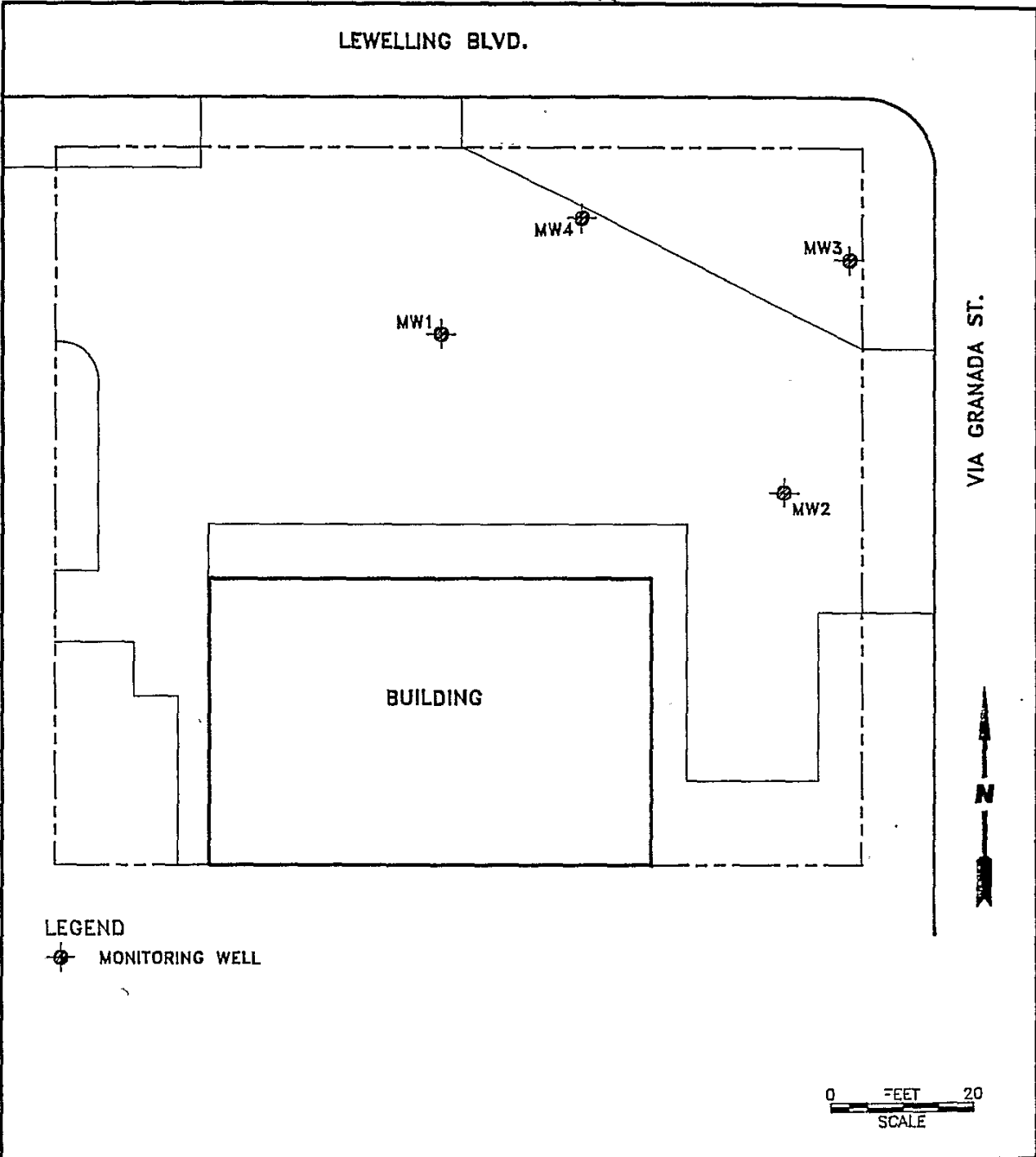


GROUNDWATER
TECHNOLOGY

Project STHL/Lewelling Owner Southland Corporation
Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/92


Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ * Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24	[Well Completion Diagram]	3.7	16 25	[Graphic Log]	CL	Dark brown CLAY (wet, stiff)
26						Dark brown CLAY (saturated)
28			5 7 10			
30		4.8				End of boring. Constructed monitoring well.
32						
34						
36						
38						
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52						
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56						

01-5422



LEGEND
 ⊕ MONITORING WELL

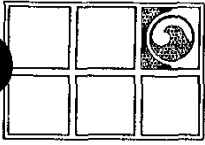
0 FEET 20
 SCALE

 GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 871-2387				SITE PLAN			
CLIENT: THE SOUTHLAND CORPORATION STORE No. 19035			LOCATION: 100 LEWELLING BLVD. SAN LORENZO, CALIFORNIA		REV. NO.: 0	DATE: 2/2/93	
PM	PE/RG	DESIGNED SL	DETAILED ML	ACAD FILE: SP293	PROJECT NO.: 020203139	FIGURE: 1	

01-542 U

03302W076-22 U

~~6-23-93~~
~~6-24-93~~
~~6-25-93~~



GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

LETTER OF TRANSMITTAL

TO:	Mr. Wyman Hong	DATE: January 29, 1993
ADDRESS:	Water Resources Zone 7 5997 Parkside Drive Pleasanton, California 94588	
ATTENTION:	Mr. Wyman Hong	
PROJECT NUMBER:	020203139	
PROJECT ADDRESS:	100 Lewelling Blvd., San Lorenzo, California	
SUBJECT:	Enclosed please find a copy of the drilling permit number 92475. The drill logs from the construction of monitoring wells and a site map showing the location of the monitoring wells are included.	

If you have any questions or comments, please contact our Concord office at (510-671-2387).

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Tim Watchers

Tim Watchers
Project Geologist

OL 5420



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94566 (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

1) LOCATION OF PROJECT Southland Store No. 19035
100 Lewelling Boulevard
San Lorenzo, CA

PERMIT NUMBER 92475
LOCATION NUMBER _____

2) CLIENT
Name The Southland Corporation
Address 5820 Stoneridge Mall Rd. (510) 847-2076
City Pleasanton, CA Zip 94566

PERMIT CONDITIONS

Circled Permit Requirements Apply

3) APPLICANT
Name Groundwater Technology, Inc.
Address 4057 Port Chicago Hwy (510) 671-2387
City Concord, CA Zip 94520

- A. GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

4) DESCRIPTION OF PROJECT
Water Well Construction Geotechnical Investigation
Cathodic Protection General
Destruction Contamination

- B. WATER WELLS, INCLUDING PIEZOMETERS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic, irrigation, and monitoring wells unless a lesser depth is specially approved.

5) PROPOSED WATER WELL USE
Domestic Industrial Irrigation
Municipal Monitoring Other

6) PROPOSED CONSTRUCTION
Drilling Method:
Mud Rotary Air Rotary Auger
Cable Other

- C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.
- E. WELL DESTRUCTION. See attached.

DRILLER'S LICENSE NO. 434343 1248

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 25 ft.
Surface Seal Depth 10-15 ft. Number 4

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

7) ESTIMATED STARTING DATE October 12, 1992
ESTIMATED COMPLETION DATE October 30, 1992

8) I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 28 Sep 92
Wyman Hong

APPLICANT'S SIGNATURE [Signature] Date 9/24/92

01-54201V

Drilling Log

03502W07623



GROUNDWATER TECHNOLOGY

Monitoring Well MW-2

Project STHL/Lewelling Owner Southland Corporation
 Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/19
 Surface Elev. 42.66 ft. Total Hole Depth 30 ft. Diameter 12 inches
 Top of Casing 42.19 ft. Water Level Initial 20.0 ft. Static 12/8/92 19.26 ft.
 Screen: Dia 4 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 4 in. Length 15 ft. Type PVC
 Filter Pack Material #3 sand Rig/Core Type B-61
 Drilling Company Kvilhaug Drilling Method Hollow Stem Auger Permit # #92475
 Driller Rod Furlow Log By Tim Watchers
 Checked By David Kleesattel License No. RG# 5136 *David Kleesattel*

See Site Map For Boring Location

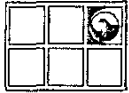
COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt Coarse base aggregate
2						
4		0	5 7 7			Dark brown silty CLAY (dry, soft)
6						
8						
10		0	4 9 13			Brown sandy/silty CLAY (dry, soft)
12					CL	
14		0	5 8 7			Light brown sandy CLAY (moist)
16						
18						
20		0.8	4 7 14			Brown sandy CLAY (moist) Encountered groundwater at 20 ft. (11/17/92 at 1430)
22						
24			5 10			

01542V

Drilling Log

Monitoring Well MW-2

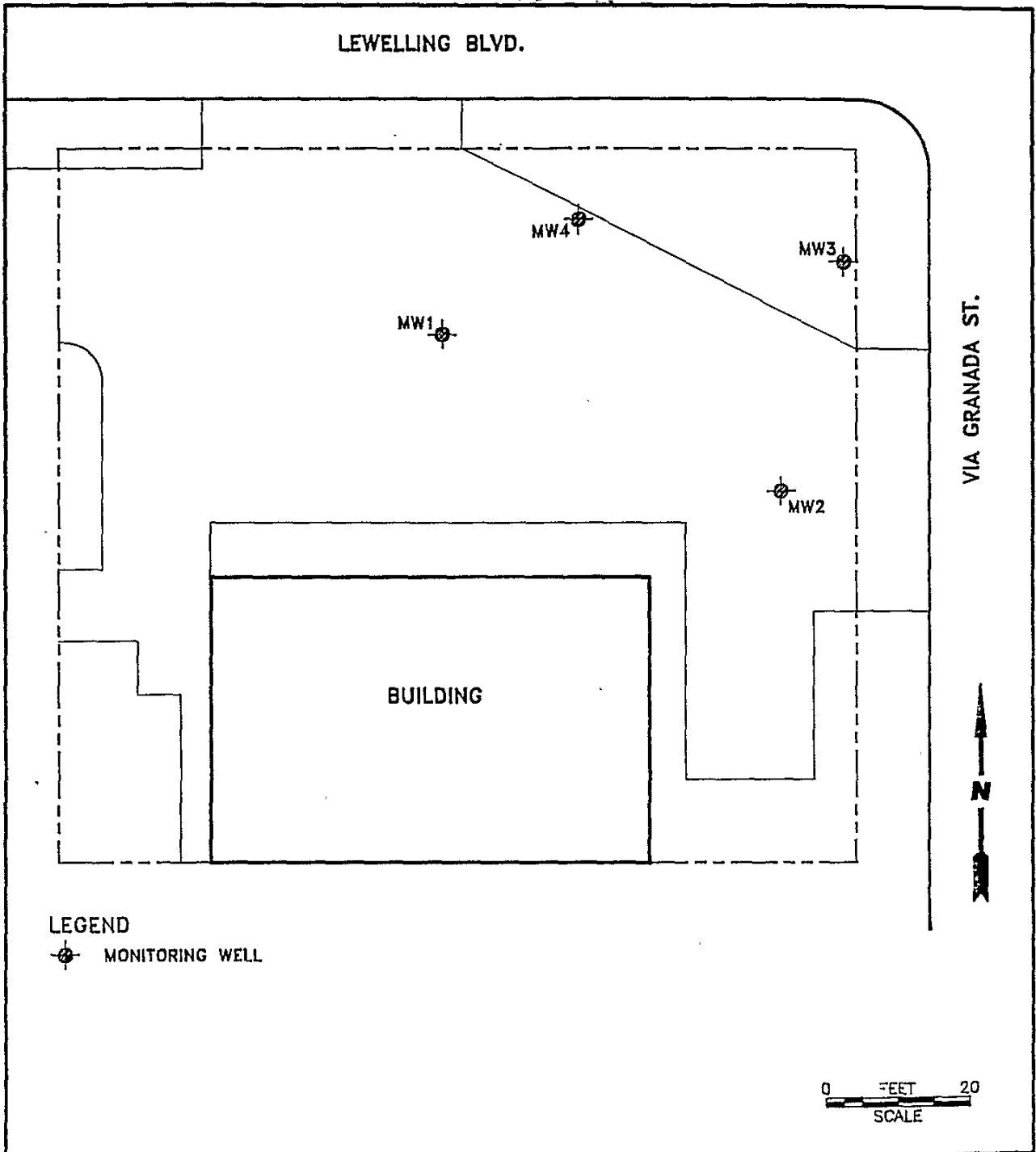



GROUNDWATER
TECHNOLOGY

Project STHL/Lewelling Owner Southland Corporation
 Location San Lorenzo, CA Project No. 020203139 Date drilled 11/17/19

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24	[Well Completion Diagram]	1.0	10 17	[Hatched Graphic Log]	CL	Brown sandy CLAY (wet, stiff)
26						Light brown silty CLAY (wet)
28			4 5 9			
30		0				End of boring. Constructed monitoring well.
32						
34						
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

01-542V |



 GROUNDWATER TECHNOLOGY				4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387		SITE PLAN			
CLIENT: THE SOUTHLAND CORPORATION STORE No. 19035				LOCATION: 100 LEWELLING BLVD. SAN LORENZO, CALIFORNIA		REV. NO.: 0	DATE: 2/2/93		
PM	PE/RG	DESIGNED SL	DETAILED ML	ACAD FILE: SP293	PROJECT NO.: 020203139	FIGURE: 1			



KAPREALIAN ENGINEERING, INC.
Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

01-442Z ✓

March 7, 1990

Unocal Corporation
2175 N. California Blvd., Suite #650
Walnut Creek, CA 94596

Attention: Mr. Tim Ross

RE: Monitoring Well Destruction Report
Unocal Service Station #6277
15803 East 14th Street
San Leandro, California

3S/2W 6H4 ✓
DES

2" diam

Dear Mr. Ross:

This letter report presents the results of our well destruction activities for well MW2 at the captioned site. The vicinity of well MW2 was recommended (see KEI's report KEI-P89-0301.R6 dated June 26, 1989) to be excavated to a depth of 10 feet below grade to remove an area of soil contamination. It was necessary to satisfactorily destroy well MW2 prior to soil excavation activities.

A permit (permit #90051 and location #3S/2W 6B80) was obtained from the Alameda County Flood Control and Water Conservation District, dated January 29, 1990. Well MW2 was drilled and installed on May 24, 1989 to a total depth of 24.5 feet. Casing length was 24 feet with the depth to perforations at 4.5 feet below grade. Filter pack materials consisted of RMC Lonestar #3 sand placed from total depth up to 3 feet below grade. Bentonite seal above the sand filter pack extended to 1.5 feet below grade and the surface seal consisted of 1.5 feet of concrete.

Well MW2 was destroyed on February 1, 1990 using eight-inch outside-diameter, hollow-stem auger drilling equipment. The well was destroyed by Exploration Geoservices, Inc. of San Jose, California, License #C57-484288. Details of the well destruction activities are as follows:

1. The surface seal (concrete) and bentonite were drilled out from the surface, the traffic vault was removed intact.
2. The well casing was pulled intact.

Lic # C57-484288

01-442E

Mr. Tim Ross
Unocal Corporation

-2-

March 7, 1990

3. Filter pack materials were drilled out to 24.5 feet.
4. Tremie pipe was placed down inside of hollow stem augers to 24.5 feet, and the augers were removed from the boring.
5. The tremie pipe was connected to the grout pumper, and the grout mix pumped in from base of boring with concrete extending up to a depth below grade of 12 feet.
6. The remainder of water standing in the boring was bailed out and clean sand filter pack materials were backfilled to the surface.
7. A concrete cap was cemented in place at the surface.

It is our opinion that monitoring well MW2 has been satisfactorily destroyed and the above activities meet or exceed Zone 7 minimum requirements.

If you require additional information or have any questions concerning this project, please do not hesitate to call.

Sincerely,

Kaprealian Engineering, Inc.



Don R. Braun
Certified Engineering Geologist

License No. 1310
Exp. Date 6/30/90

DRB:ksa\TR3

cc: Mr. Wyman Hong, Alameda County Flood Control ✓

01-4427

29 January 1990

ZONE 7
WATER RESOURCES ENGINEERING
GROUNDWATER PROTECTION ORDINANCE

UNOCAL CORPORATION
15803 EAST 14TH STREET
SAN LEANDRO
WELL 3S/2W 6B80
PERMIT 90051

Destruction Requirements

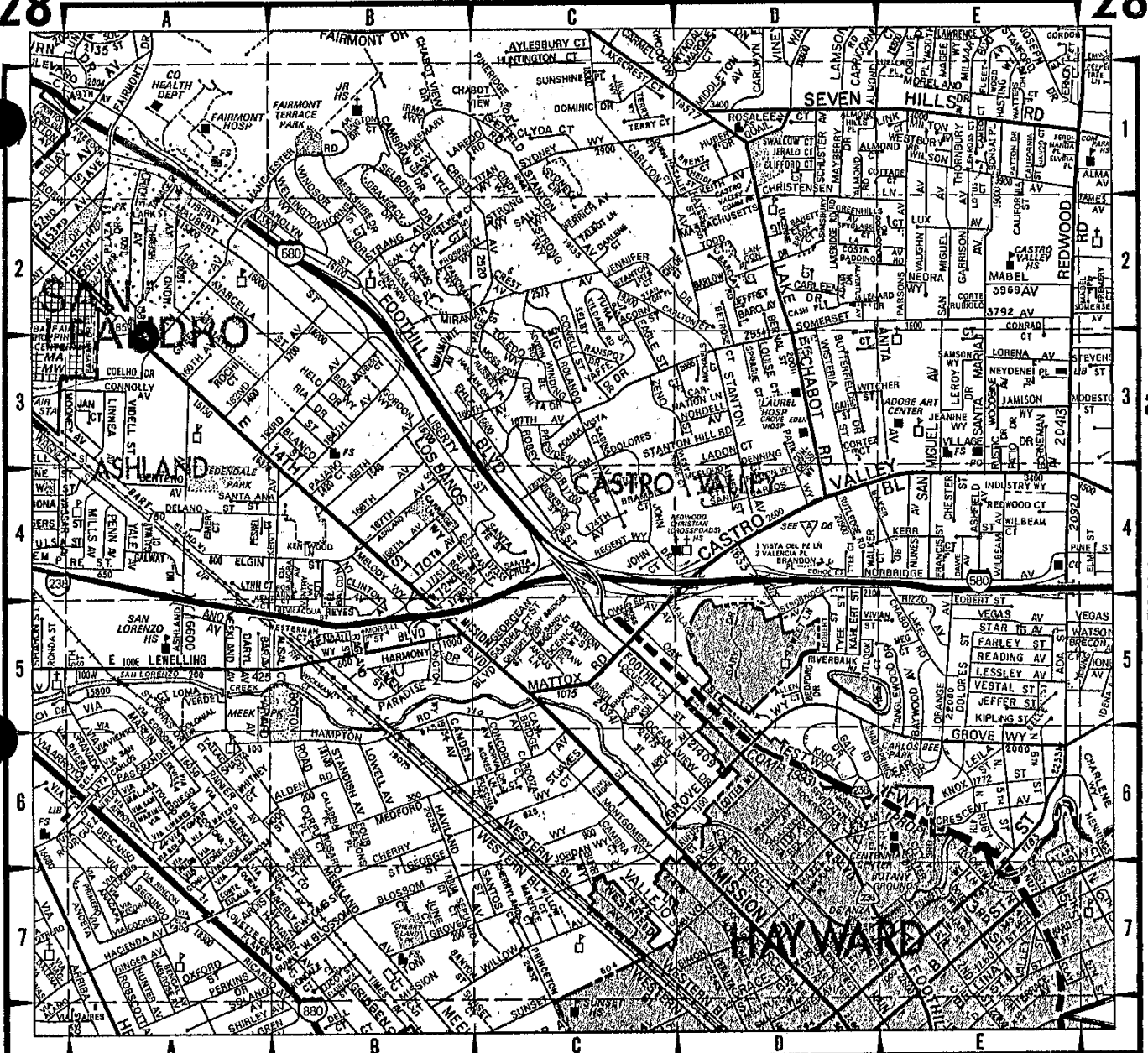
1. Drill out the well so that casing, seal, and gravel pack are removed to the bottom of the well.
2. Using a tremie pipe, fill the hole to 2 feet below the lower of finished grade or original ground with neat cement.
3. After seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Christina Lecce of Kaprealian Engineering meet or exceed the Zone 7 minimum requirements.

446
444
442

FOR CONTINUATION SEE MAP 27

FOR CONTINUATION SEE MAP 31



1,530,

1,533,

1,542,

1,545,

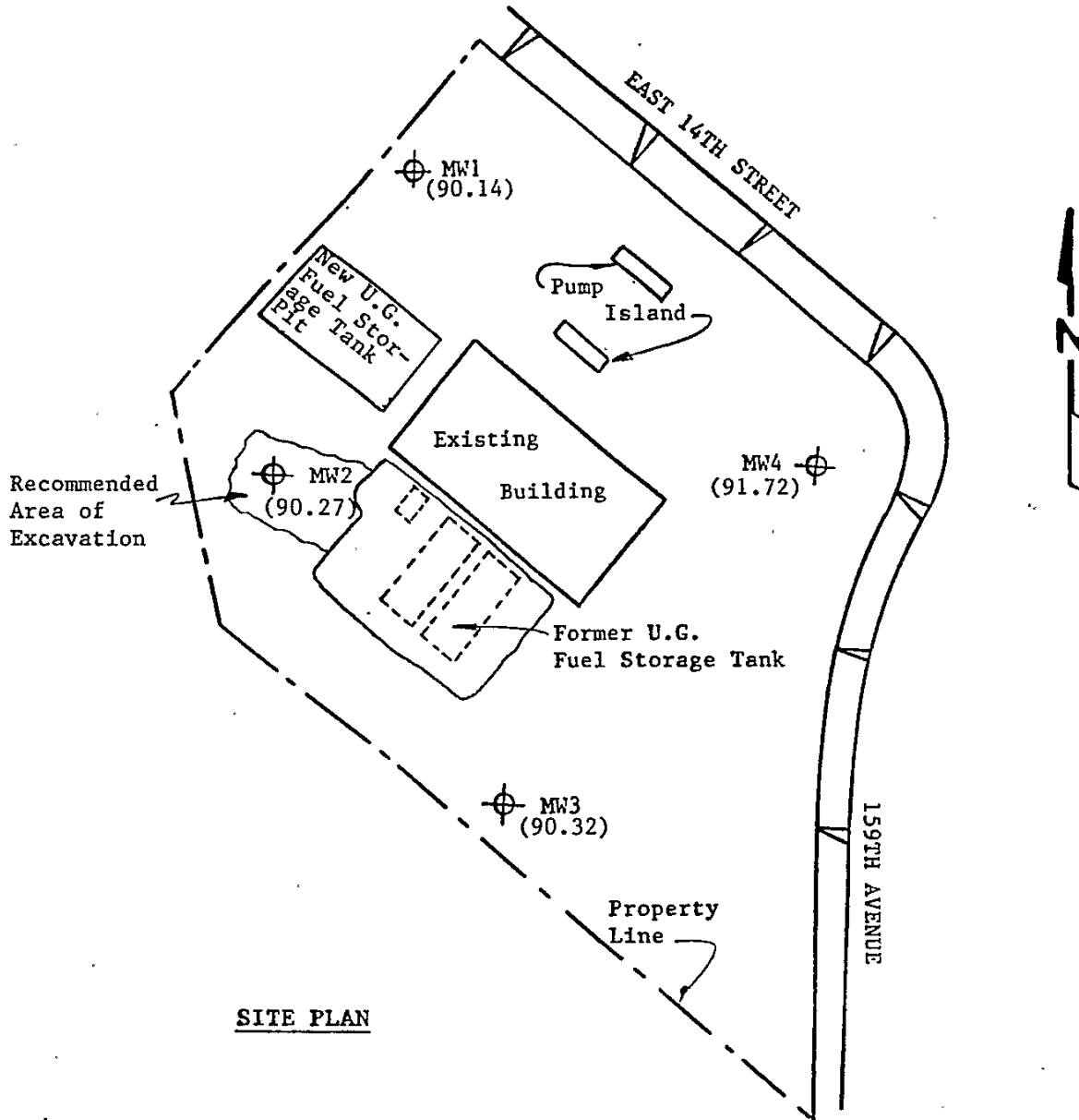
434
432

01-438V
35/2W-647



KAPREALIAN ENGINEERING, INC.

Consulting Engineers
P. O. BOX 913
BENICIA, CA 94510
(415) 676-9100 (707) 746-6915



SITE PLAN

⊕ Monitoring Well

() Ground Water Elevation in feet on 6/5/89.
Surface Elevation @ top of MW4 assumed 100' as datum.



Unocal Service Station #6277
15803 East 14th Street
San Leandro, California

01-438V
3S/2W-647

B O R I N G L O G

Project No. KEI-P89-0301	Boring & Casing Diameter 9" 2"	Logged By Doug Lee
Project Name Unocal San Leandro, E. 14th	Well Head Elevation N/A	Date Drilled 5/24/89
Boring No. MW1	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (ft) Samples	Strati- graphy USCS	Description
		0		A.C. Pavement Silt, sand, gravel: fill.
10/15/17		5		Clay, high plasticity, stiff, moist, black, with gravel to 3/4" above 4'.
10/17/24	▼	10		Clay, as above.
		15	CH	Color change at 12' to dark grayish brown.
		20		Silty clay with sand, high plasticity, sand - medium to fine, firm, wet, dark olive brown, with moderate cements- tion.
		25		
		30		
				TOTAL DEPTH 24.5'

01-438V
3S/2W 6H 7

Inw/ Addv

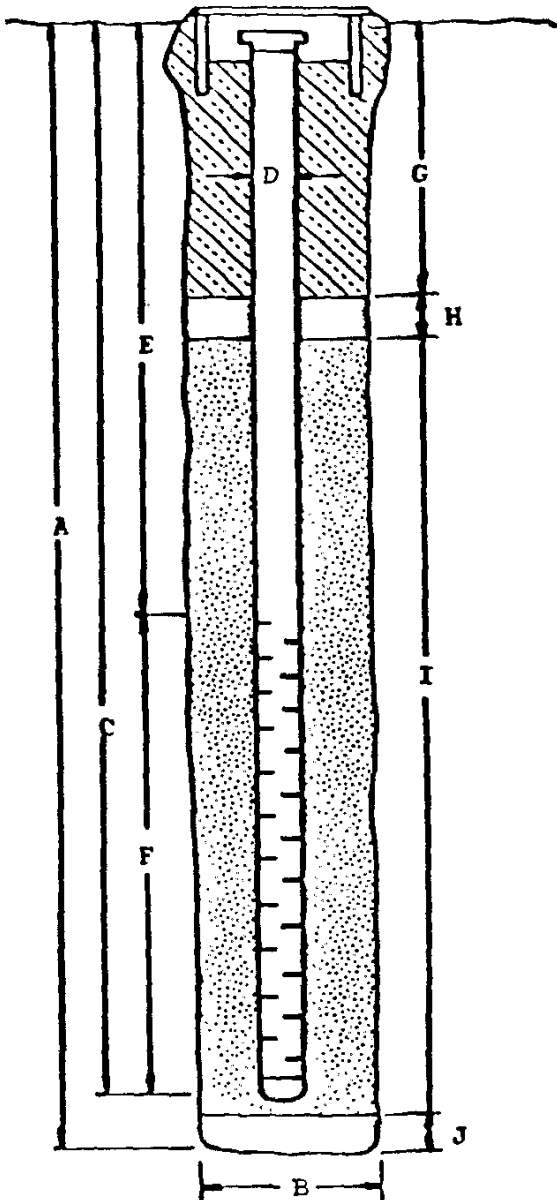
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal, San Leandro, E. 14th BORING/WELL NO. MW1

PROJECT NUMBER: KEI-P89-0301

WELL PERMIT NO.: 89201

Flush-mounted Well Cover



A. Total Depth: 24.5'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 24.5'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 5'

F. Perforated Length: 19.5'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 2'

Seal Material: Concrete

H. Seal: 2'

Seal Material: Bentonite

I. Gravel Pack: 21.5'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.



01-5370
ZONE 7 WATER AGENCY

03502W06H11

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2800
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1500 Thrush Avenue
San Leandro, CA
(referred to as Narou Nurseries and Installed
by Chris French/KTW & Associates)

PERMIT NUMBER 93144
LOCATION NUMBER 3S/2W 6H81 to 6H83

CLIENT
Name Nelson Maples Development
Address 6375 Clark Ave. Voice (510) 829-7140
City Dublin, CA 94568 Zip _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name Geo Plexus, Inc
Address 1900 Wyatt Drive #1 Fax (408) 988-0815
City Santa Clara, CA Voice (408) 987-0210
Zip 95054

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

<input checked="" type="checkbox"/> Construction	<input type="checkbox"/> Geotechnical Investigation
<input type="checkbox"/> Cathodic Protection	<input type="checkbox"/> General
<input type="checkbox"/> Water Supply	<input type="checkbox"/> Contamination
<input type="checkbox"/> Monitoring	<input type="checkbox"/> Well Destruction
	<u>3 Wells (2-inch dia.)</u> XXXX

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE
Domestic Industrial Other _____
Municipal Irrigation

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:
Mud Rotary _____ Air Rotary _____ Auger **XXXX**
Cable _____ Other _____ 11-sack sand slurry backfill
DRILLER'S LICENSE NO. C57 489288 NO 484288

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

WELL PROJECTS (Closure/Destruction)

Drill Hole Diameter	<u>8</u> in.	Maximum	
Casing Diameter	<u>2</u> in.	Depth	<u>18</u> ft.
Surface Seal Depth	<u>18</u> ft.	Number	<u>3</u>

E. WELL DESTRUCTION. See attached.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE Friday 3/19/93
ESTIMATED COMPLETION DATE 3/19/93

Approved Wyman Hong Date 18 Mar 93
Wyman Hong

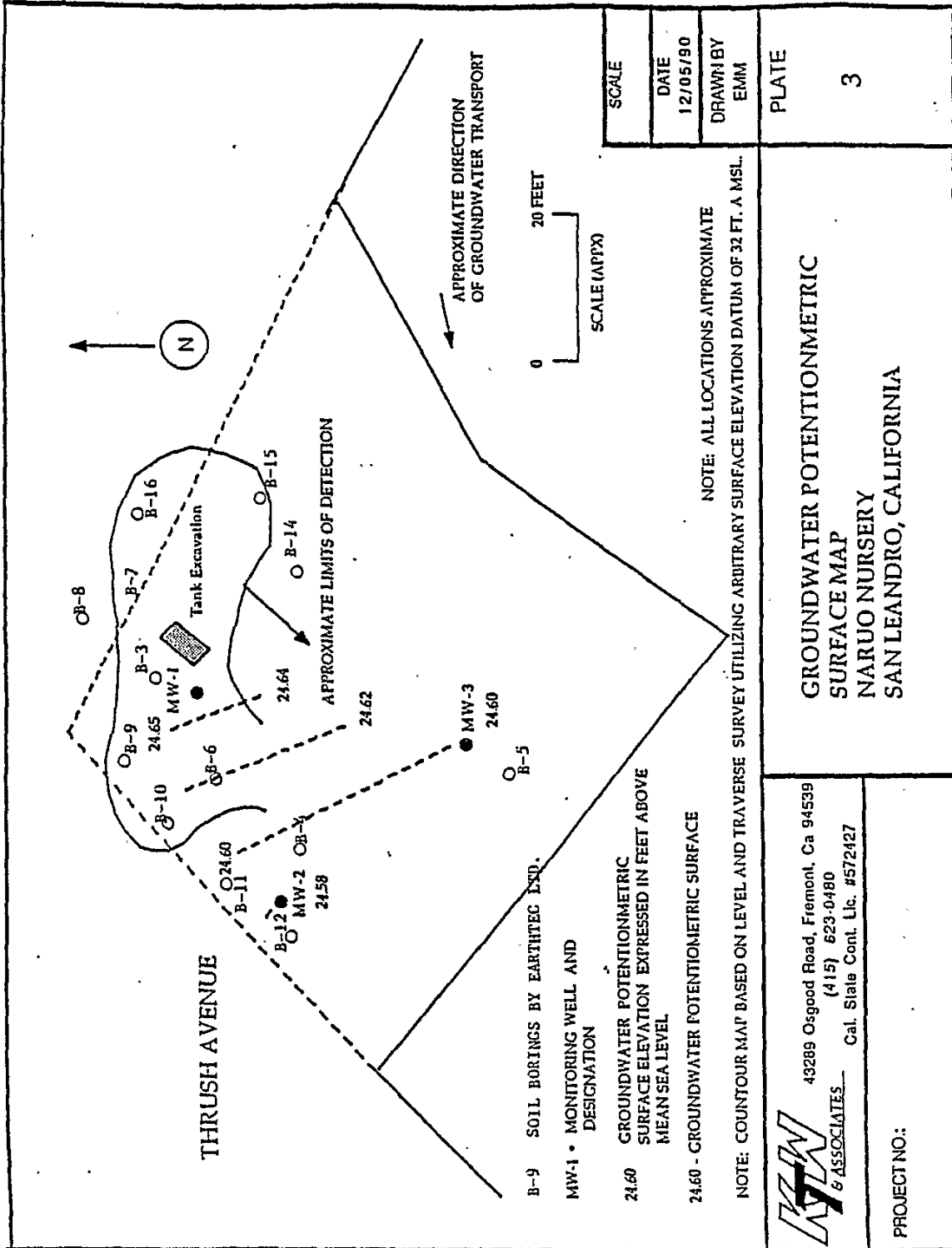
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] Date 3/15/93

1541

01-5370

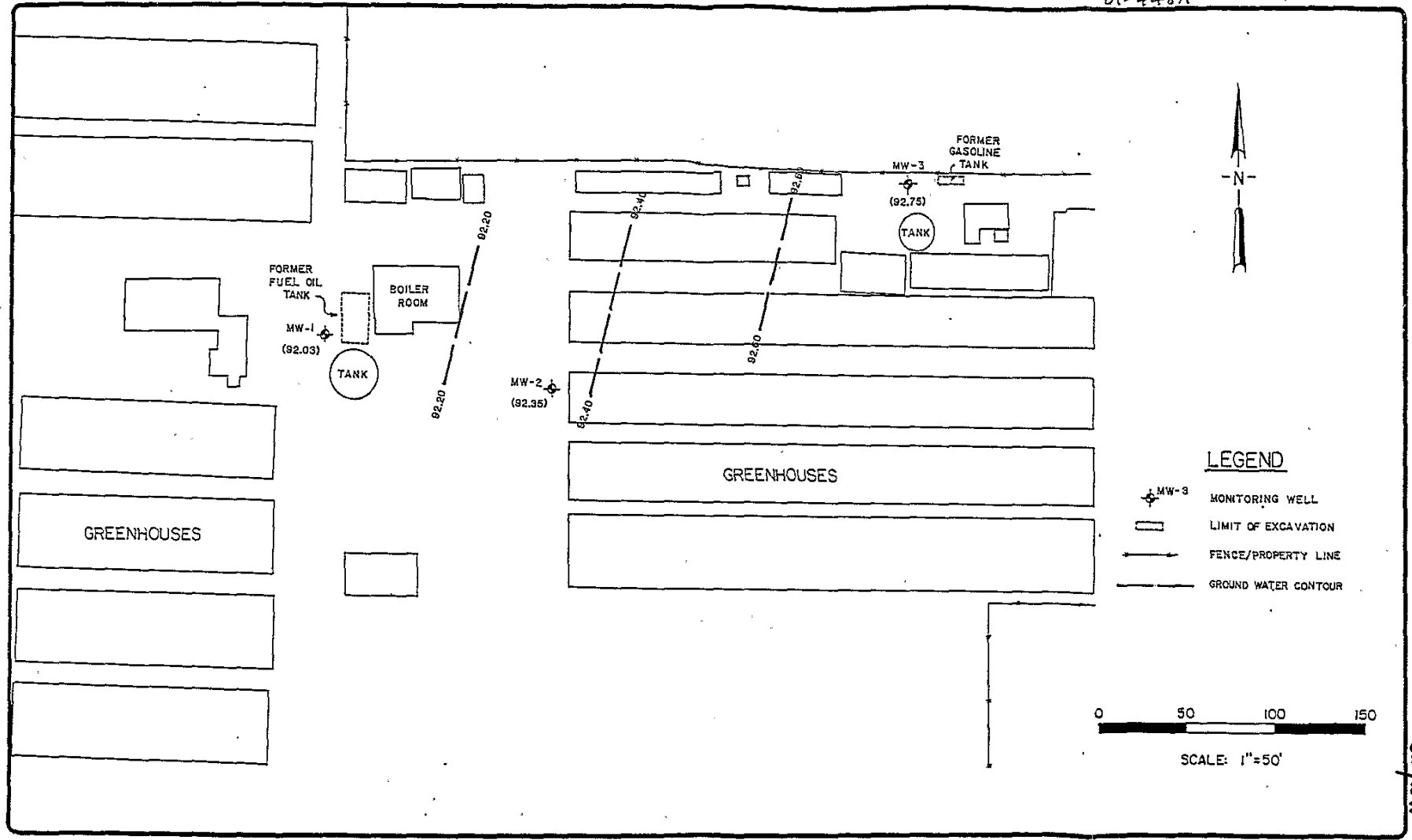
03S/02W-06H11



Source: KTW & Associates Site Characterization Report
 Revised to include Earthtec Ltd. Soil Borings.
 Scale Reduced

SITE PLAN		
DATE	SCALE	DRAWN BY
1/13/93	n/a	ktw
NAROU PROPERTIES		
		Figure 2

01-448A



GROUND WATER GRADIENT (8/21/89)
 REF. DATUM - TOP OF MW-2 CASING = 100'

SITE PLAN
 OKADA PROPERTY
 SAN LEANDRO, CALIFORNIA

FIGURE
 1
 PROJECT
 4486

35/2W-656 01-448A

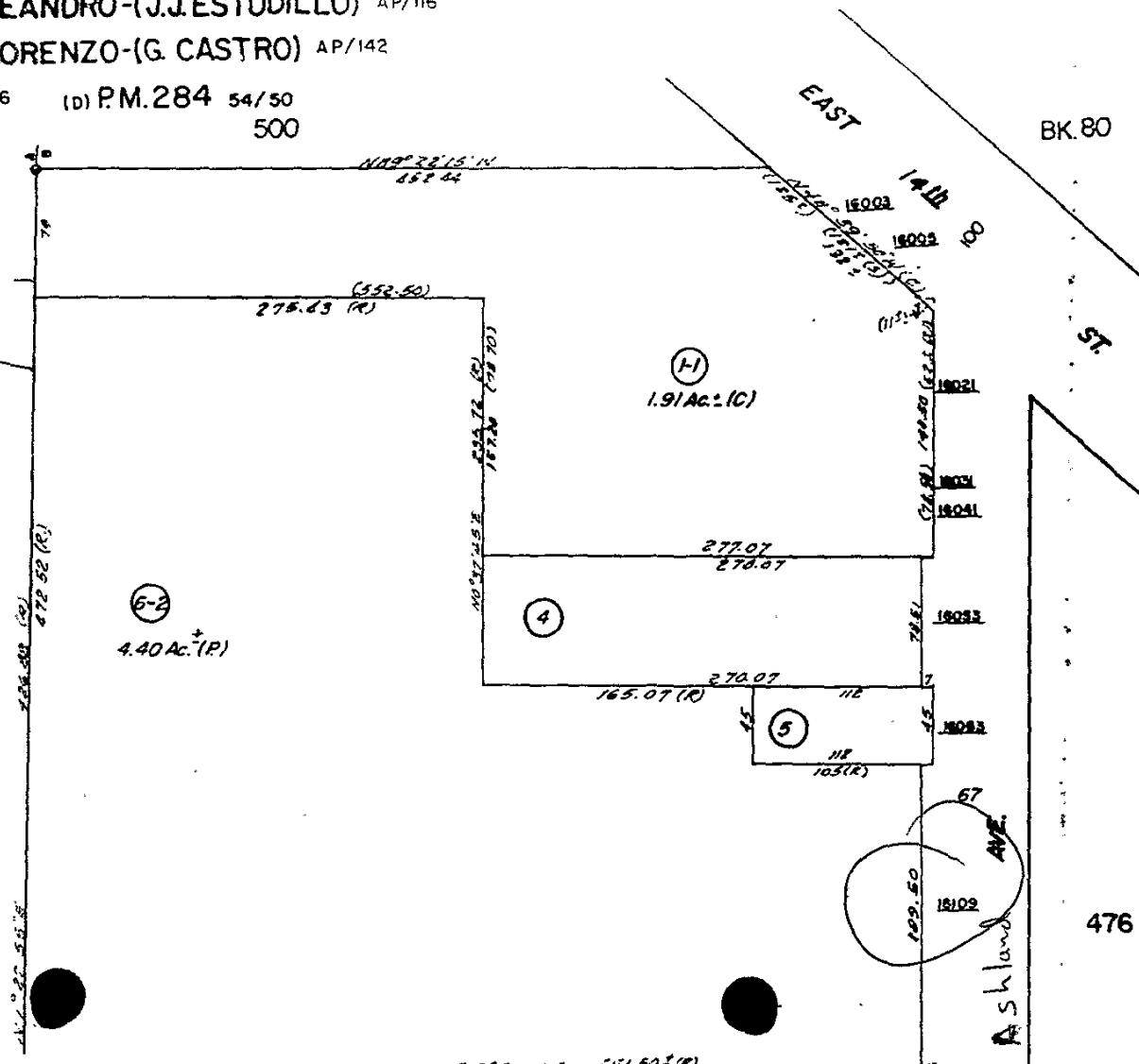
Code Area Nos. 80-014

1. SAN LEANDRO-(J.J. ESTUDILLO) AP/116

2. SAN LORENZO-(G. CASTRO) AP/142

078 31/36 (D) P.M. 284 54/50
500

01-448A



BK. 80

ST.

476

67
18102
Ashland Ave.

01-448A

EXPLORATION DRILL HOLE LOG

HOLE No. MW-3

PROJECT CITATION - OKADA

DATE 8/17/89

LOGGED BY BMK

DRILL RIG HEW - Hollow Stem

HOLE DIA. 8"

SAMPLER X = Modified Calif.

GROUNDWATER DEPTH INITIAL ---

FINAL 8 1/2'

HOLE ELEV.

35 / 2W-6 J6

16109 Ashland Avenue, Hayward
CITATION BUILDERS

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN (tsf)	TORVANE (tsf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
LEAN CLAY W/SAND AND GRAVEL(FILL?); brown, dry, stiff; odorless.	CL	1										
FAT CLAY(FILL?); black, moist, firm; trace fine sand; slight odor.	CH	2										
		3										
		4										
		5										
becomes greenish, with glass shards; very moist; stronger odor (possible fuel oil)		6	X	4								
SILTY SAND; gray, wet, loose; fine to medium grained. (driller reports water between 6' and 9')	SM	7										
		8										
FAT CLAY; gray - dark gray; moist, stiff; slight odor.	CH	9										
		10										
		11	X	12								
		12										
		13										
		14										
becomes light gray; still slight odor		15										
		16	X	11								
BOTTOM OF HOLE @ 16 1/2 FEET Monitoring Well Constructed		17										
		18										
		19										
		20										

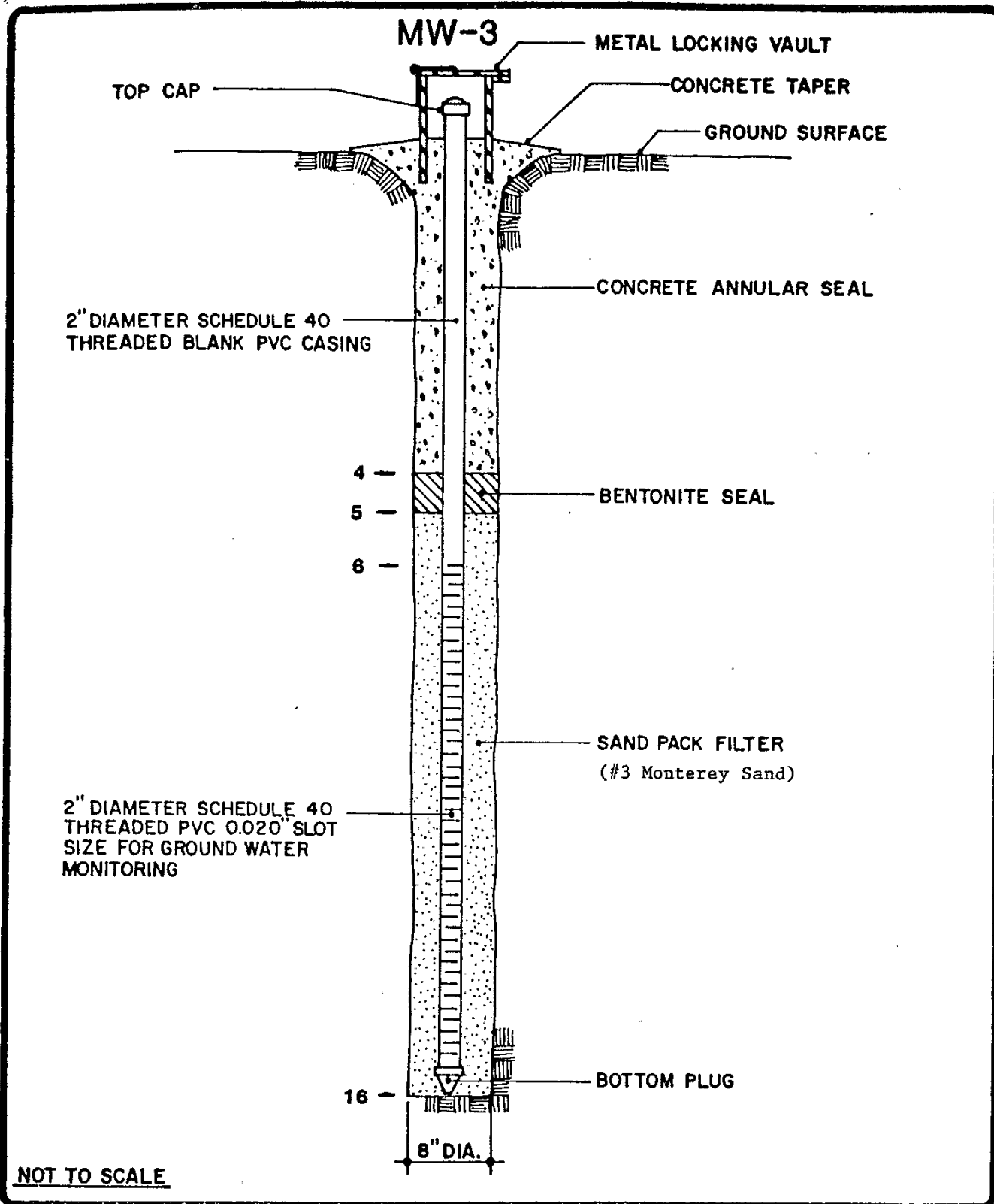
PROJECT 4486/1

TERRATECH

Page 1 of 1

Lic # C57 384/67

01-448A



NOT TO SCALE



August 1989

TERRATECH

AS-BUILT MONITORING WELL DIAGRAM

CITATION - OKADA
SAN LEANDRO, CALIFORNIA

FIGURE

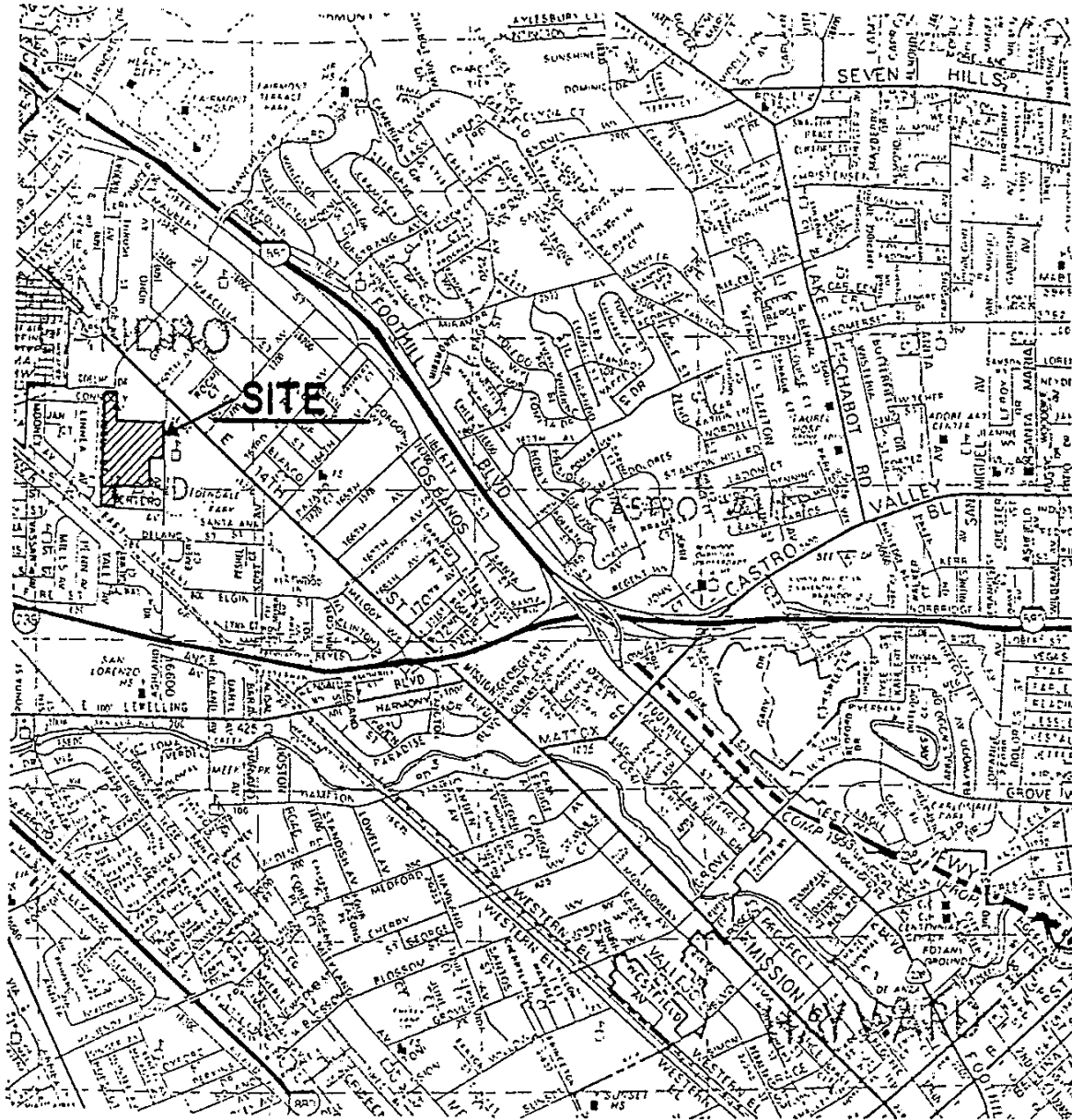
2

PROJECT
4486/1

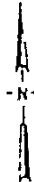
01-430Q

3512WGJ (3 Borings)

Inu ✓
Add ✓



SCALE: 1" = 2200'

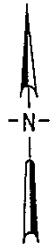


TERRA SEARCH inc.




FIGURE NO. 1 - SITE LOCATION

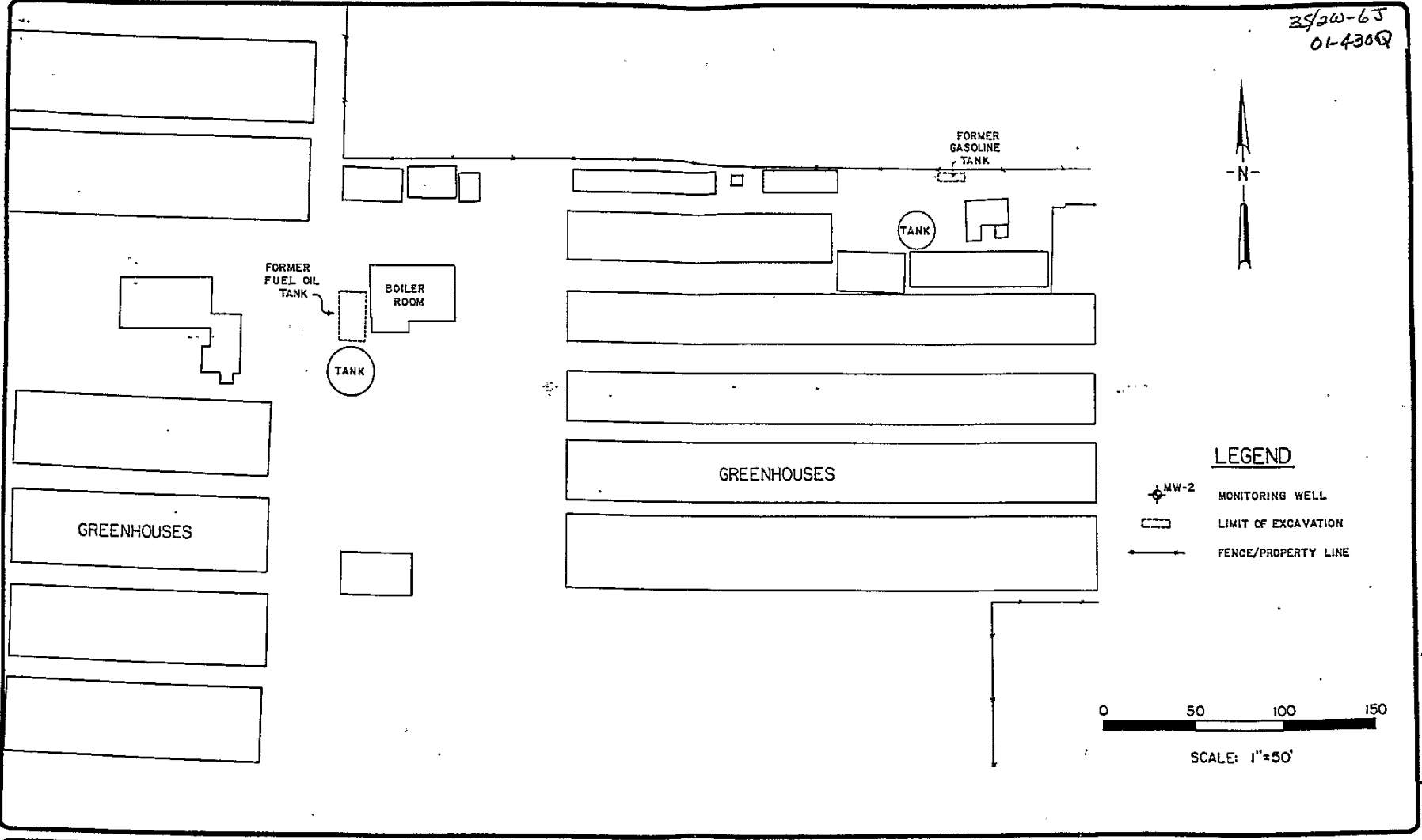
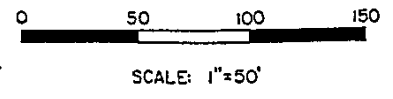
89161 - Lic: C57-550205 1486 - Ensc0

3/20-65
01-430Q




LEGEND

-  MW-2 MONITORING WELL
-  LIMIT OF EXCAVATION
-  FENCE/PROPERTY LINE



01-430Q

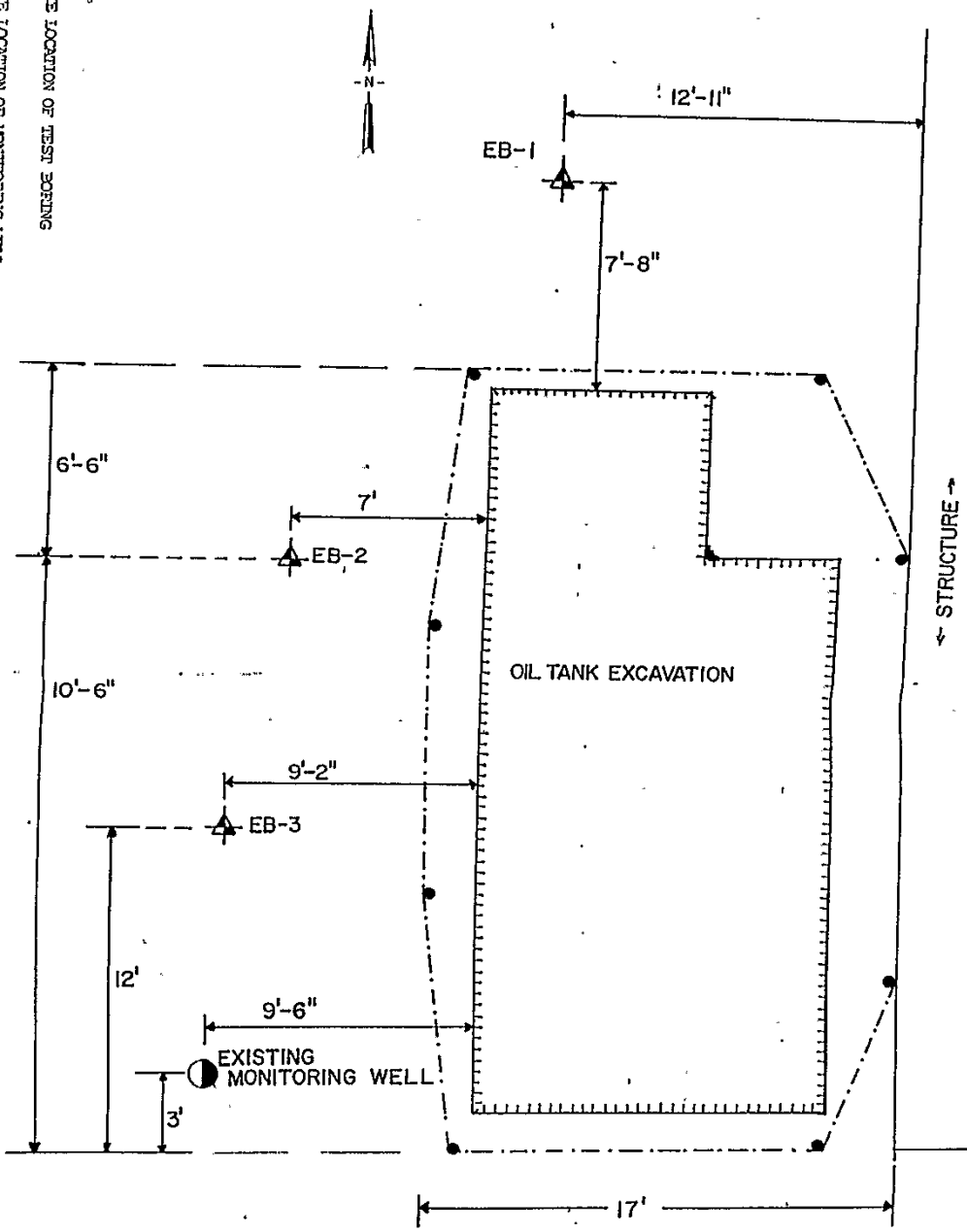
 APRIL 1989
TERRATECH

SITE PLAN
OKADA PROPERTY
SAN LEANDRO, CALIFORNIA

FIGURE
1
PROJECT
4486

01-430Q

APPROXIMATE LOCATION OF TEST BORING
APPROXIMATE LOCATION OF MONITORING WELL



SCALE: 1"=4'

TRIPRASEARCH INC.

FIGURE NO. 2-TUEL OIL EXCAVATION LOCATIONS

Project No. ES999 25 April 1989

01-430Q
25/20-65







Incl Add

Project No. E5999

25 April 1989

01-4300
3S/2W6J

LOGGED BY RE DATE DRILLED 3-30-89 BORING DIAMETER 7" BORING NO. EB-1

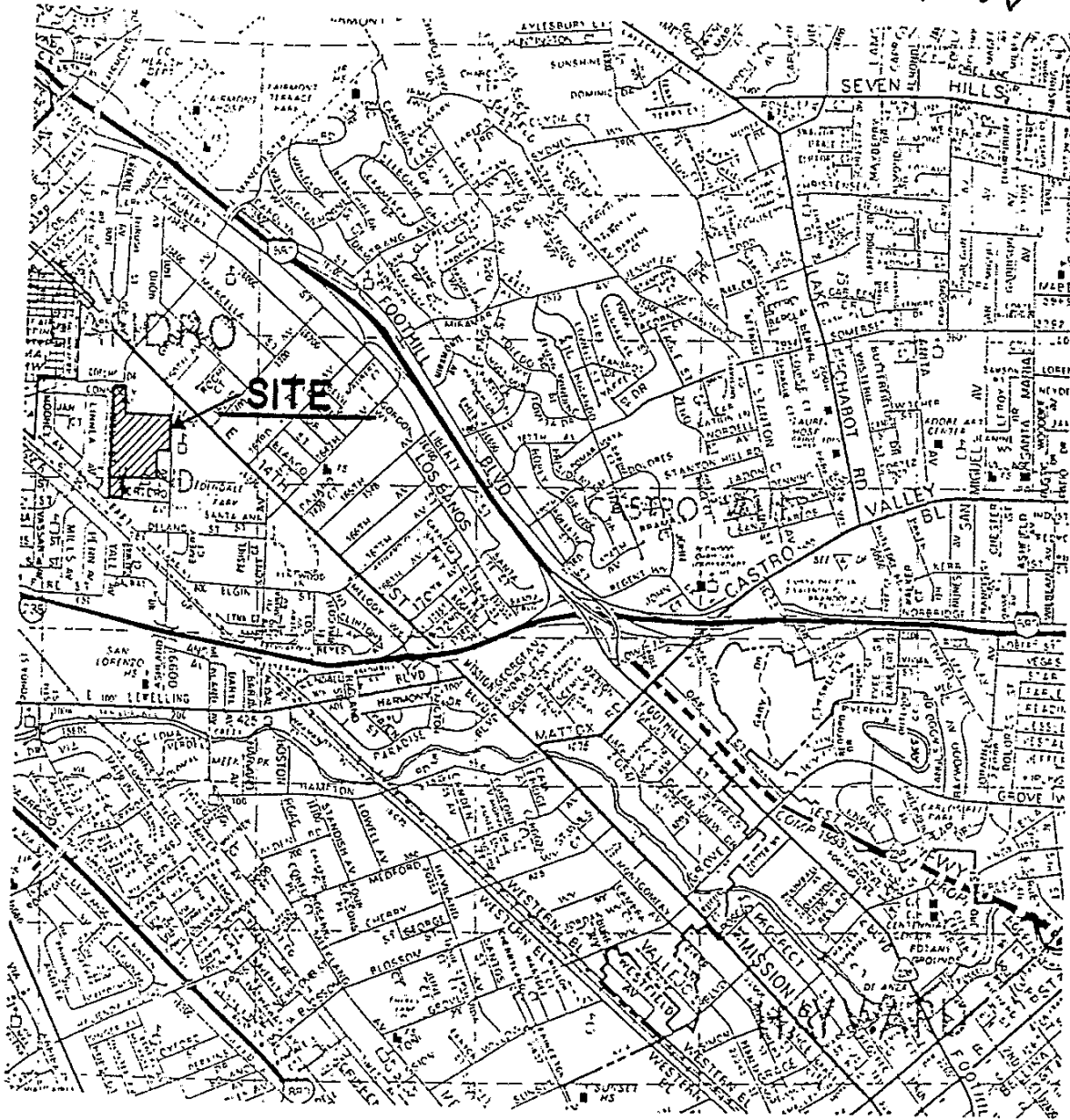
Depth, ft.	Sample No. and type	Symbol	SOIL DESCRIPTION	Unified Soil Classification	Blows/foot 350 ft-lbs.	Qu - t. s. f. Penetrometer	Dry Density p.c.f.	Moisture % dry wt.	MISC. LAB RESULTS
			Silty CLAY with sand, dark brown, ? product color, slight product odor						
5	EB 1-1		Clay Silty SAND, dark brown slight product odor, no product color						
			 (water @ 7')						
10	EB 1-2		Silty SAND, light gray, moist, no product odor						
15	EB 1-3		Silty CLAY, Dark brown stiff, no product color slight product odor Stiffer with depth, water encountered in the sampler						
20			Silty CLAY with sand Dark brown, no product color, slight product odor						
			Boring terminated @ 20'5" Water @ 7' Backfilled w/tremied cement.						

TERRA SEARCH INC.

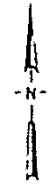
FIGURE NO. 3 LOG OF TEST BORINGS

01-430R

3512W6J (3 Borings)
Inv ✓
Add ✓



SCALE: 1" = 2200'



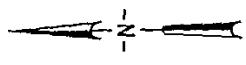
TERRA SEARCH INC.

FIGURE NO. 1 - SITE LOCATION




89161 - Lic: C57-550205 1986 - Enscd

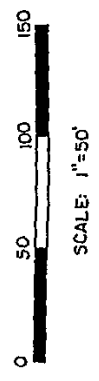
01-430 R

35/20-63
01-430 R



LEGEND

-  M.W.-2
-  LIMIT OF EXCAVATION
-  FENCE/PROPERTY LINE



FORMER GASOLINE TANK

TANK

GREENHOUSES

BOILER ROOM

TANK


FORMER FUEL OIL TANK

GREENHOUSES

FIGURE 1
PROJECT 4286

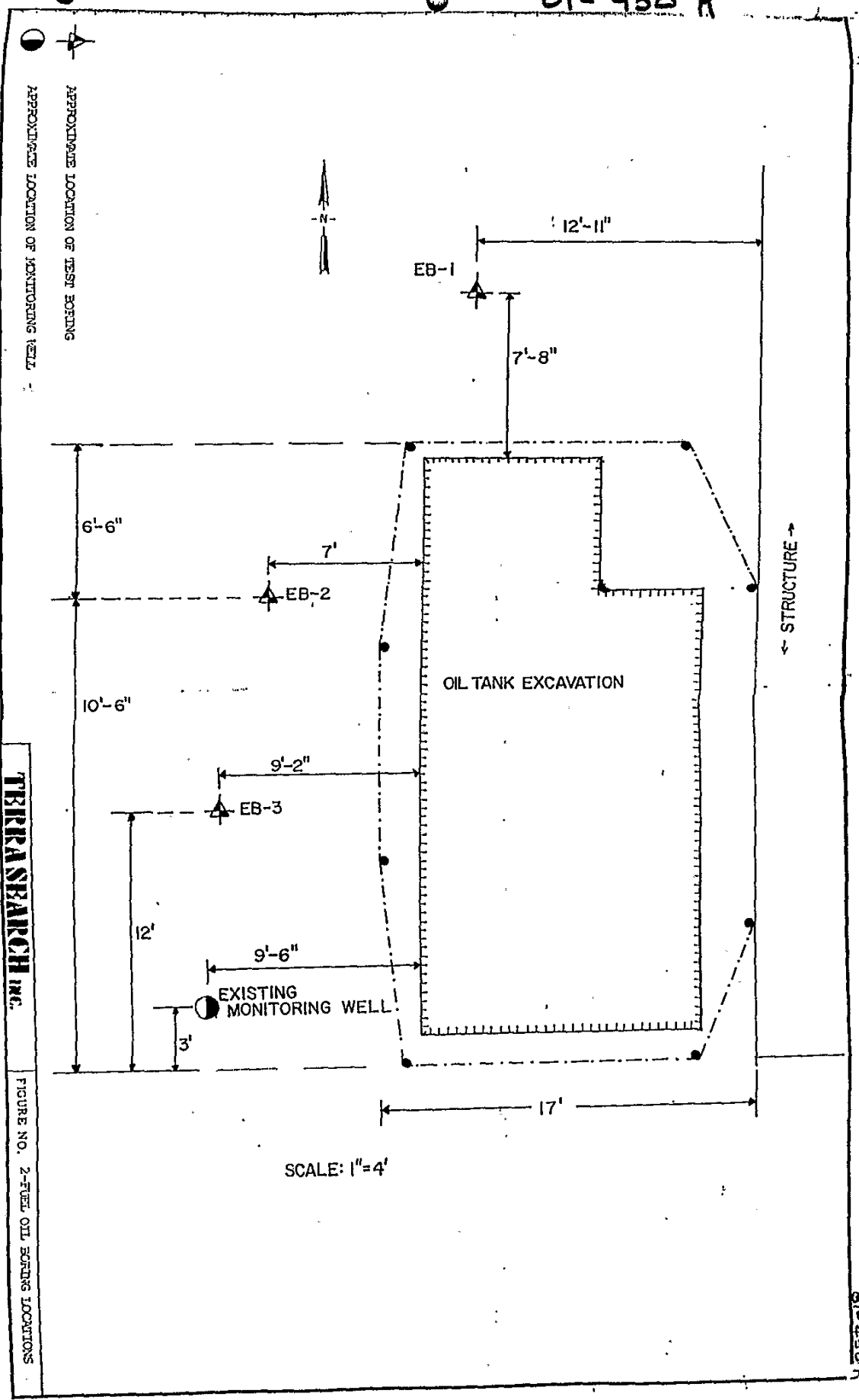
SITE PLAN
OKADA PROPERTY
SAN LEANDRO, CALIFORNIA

APRIL 1989



TERRATECH

01-430 R



APPROXIMATE LOCATION OF TEST BORING
 APPROXIMATE LOCATION OF MONITORING WELL

TERRA SEARCH INC.

FIGURE NO. 2-FUEL OIL BORING LOCATIONS

SCALE: 1"=4'

Project No. E5099 25 April 1989

01-430 R
 3.5/20-6J


Invd Add

Project No. E5999

25 April 1989

01-430R
3S/2W6J

LOGGED BY WN DATE DRILLED 3-30-89 BORING DIAMETER 7" BORING NO. EB-2

Depth, ft.	Sample No. and type	Symbol	SOIL DESCRIPTION	Unified Soil Classification	Blows/foot 350 ft.-lbs.	Qu - t. s. f. Penetrometer	Dry Density p.c.f.	Moisture % dry wt.	MISC. LAB RESULTS
			Silty CLAY with sand, black, ? product color, product odor presence						
5	EB 2-1		Silty CLAY, no product color no odor, moist						
			 (water @ 7')						
10	EB 2-2		Silty SAND, dark brown, moist, no product color, no odor						
			Silty CLAY, stiff, dark brown, no product color, slight odor						
15	EB 2-3								
20									
			Boring terminated at 20 feet. Water at 7 feet. Backfilled with tremied cement.						

TERRA SEARCH INC.

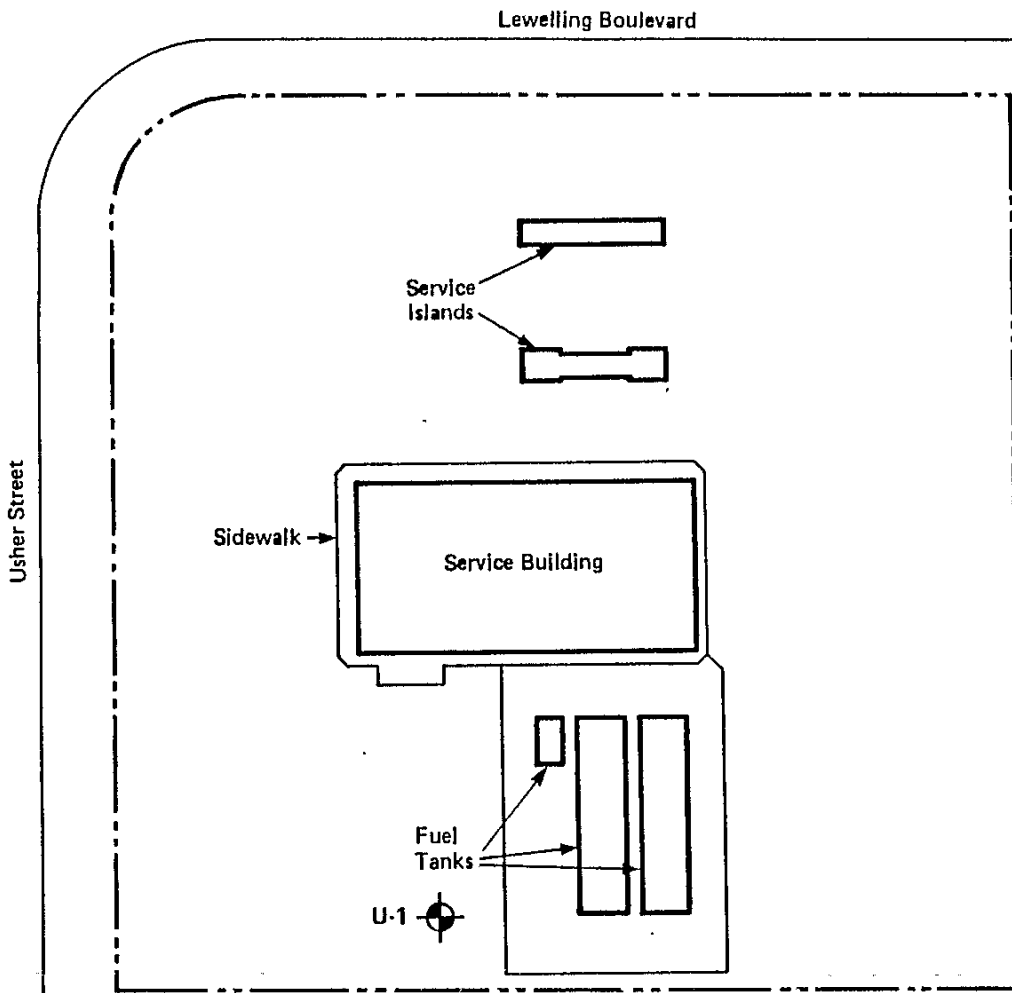
FIGURE NO. 4 LOG OF TEST BORINGS

01-353

88034 *fltkpca*

INM ✓
AD. ✓

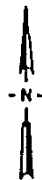
3S/2W7F3



LEGEND

⊕ Approximate Location of Groundwater Monitoring Well

0 30
feet



UNOCAL
376 LEWELLING BLVD.
SAN LORENZO

Project No. 8820011A	Gettler-Ryan	SITE PLAN OF THE UNION SERVICE STATION AT 376 LEWELLING BLVD., SAN LORENZO, SHOWING THE APPROXIMATE LOCATION OF THE GROUNDWATER MONITORING WELL INSTALLED FOR THIS INVESTIGATION	Figure 2
Woodward-Clyde Consultants			

DRILLER: RAYLAND DRILLING



#88037

01-353

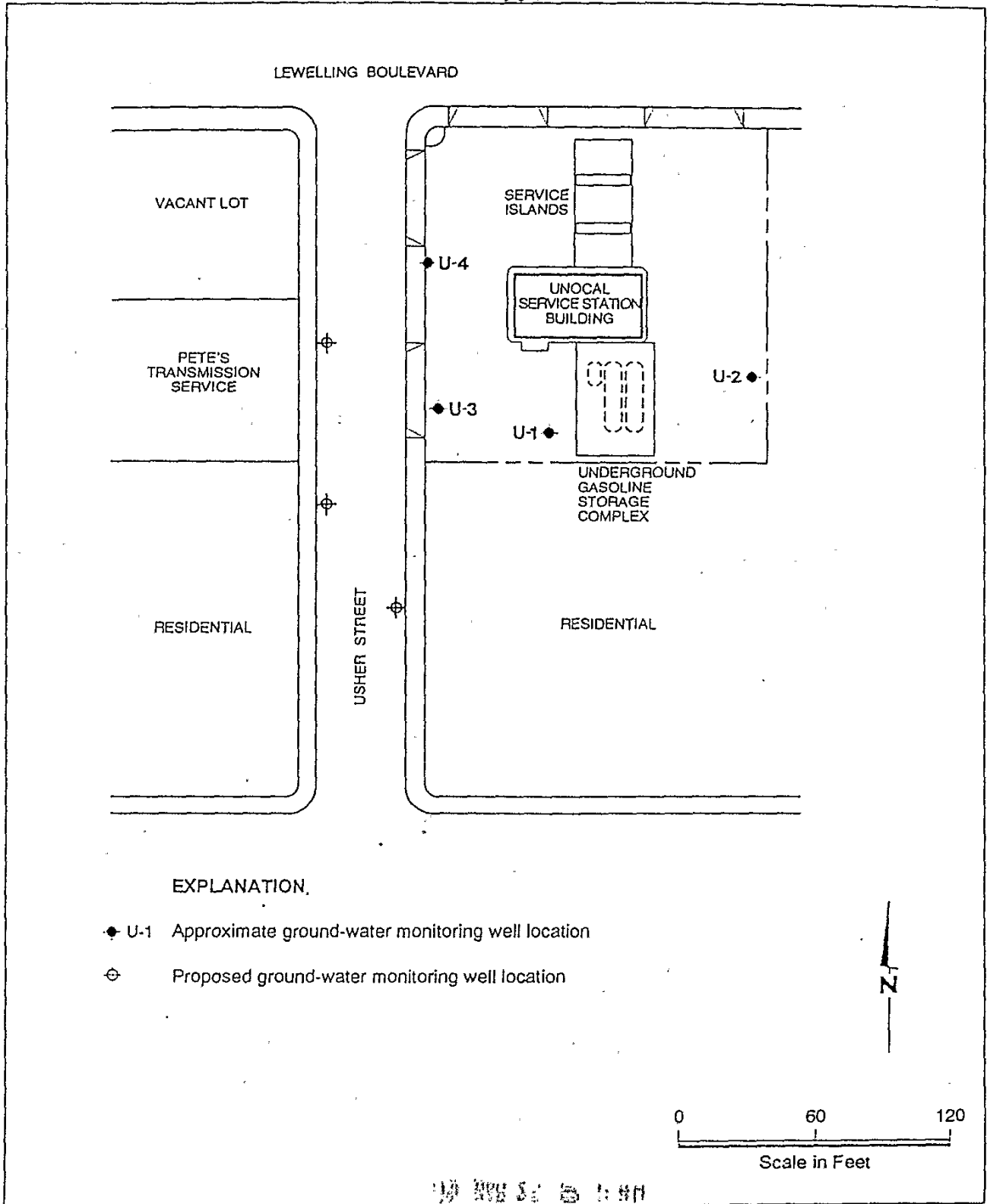
3S/2W7F3

MONITORING WELL LOCATION 376 Lewelling Blvd., San Lorenzo, CA			ELEVATION AND DATUM		
DRILLING AGENCY	Bay Land Drilling	DRILLER	Kurt	DATE STARTED	2/1/88
				DATE FINISHED	2/1/88
DRILLING EQUIPMENT	CME - 55	COMPLETION DEPTH	30.5'	SAMPLER	California Modified Sampler
DRILLING METHOD	8-inch Hollowstem Augers	DRILL BIT		NO. OF SAMPLES	DIST. 6
				UNDIST.	none
SIZE AND TYPE OF CASING	3-inch PVC	WATER LEVEL	FIRST 17.9'	COMPL.	24 HRS.
TYPE OF PERFORATION	0.020-inch slotted screen	FROM 30.5 TO 10.5 FT.	LOGGED BY:		CHECKED BY:
SIZE AND TYPE OF PACK	12/20 Monterey sand	FROM 30.5 TO 7 FT.	G. Heyman		
TYPE OF SEAL	NO. 1 Bentonite	FROM 7 TO 5.5 FT.			
	NO. 2 Cement	FROM 5.5 TO 0.7 FT.			M. Bonkowski

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION	USCS	Well Construction
			ASPHALTIC PAVEMENT		
1	1	1	SAND with CLAYEY SAND yellow-brown with dark gray brown clayey pockets, fine to medium grained, loose, moist, subrounded, moderately to poorly sorted, clayey sand is more common in samples C and D, contains organic fragments	SP-SC	Well Construction
5	2	2	medium brown, fine to medium grained with little to some clay, very loose to loose, wet, subrounded, well to moderately sorted, fine organic fragments throughout	SP-SC	
10	3	3	SAND with interlayered CLAYEY SILT brown to dark brown, silt is dark gray, fine to very coarse grained sand, little gravel to 2x2x2.5 cm., little to some clay, medium dense, stiff, silt has low plasticity, wet, subrounded to subangular, silt layers are up to 3-inches thick in the B sample	SW & ML	
15	4	4	SAND dark gray, fine to medium grained, little to some clay, little gravel to 0.5x0.5x1cm., loose, saturated, subrounded to subangular, poorly sorted, homogeneous	SW	
20	5	5	- - CLAY at 23.5 feet in cuttings - -		
25	6	6	SILTY CLAY and CLAY dark to medium gray brown, trace very fine to medium sand, one 2-inch layer of clayey sand, medium to high plasticity, stiff, saturated, homogeneous	CH	
30	7	7	CLAY dark gray brown, little to some silt, occasionally little very fine to medium sand, very plastic, very stiff to hard, wet, homogeneous	CH	
			BOTTOM OF BORING: 30.5'		

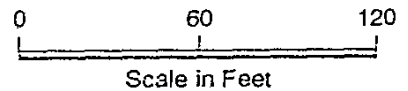
01-483J

3S/2W 7F4 1



EXPLANATION.

- ◆ U-1 Approximate ground-water monitoring well location
- ⊕ Proposed ground-water monitoring well location



GeoStrategies Inc.

Site Plan
 UNOCAL Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

PLATE

DRAFT 2

JOB NUMBER
7809

REVIEWED BY RG/CEG

657 374 752

DATE
9/90

REVISED DATE

REVISED DATE

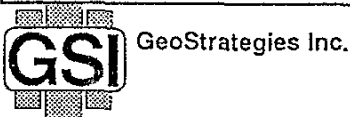
Lic# C-57-374152

Permit 78-415-783750

01-483J

3S/2W 7F4

Field location of boring: (See Plate 2)				Project No.: 7809		Date: 08/06/90		Boring No:	
				Client: UNOCAL #5760				U-2	
				Location: 376 Lewelling Boulevard				Sheet 1	
				City: San Lorenzo, California				of 2	
				Logged by: M.J.J.		Driller: Bayland			
				Casing installation data:					
Drilling method: Hollow Stem Auger				Top of Box Elevation: 41.62		Datum: MSL			
Hole diameter: 8-inches				Water Level		20.0'		21.52'	
				Time		10:30		16:02	
				Date		08/06/90		08/06/90	
				Description					
				PAVEMENT SECTION - 0.5 feet					
				FILL - Gravel with Sand (GW) - dark brown (7.5YR 3/4), loose, damp; 75% fine to coarse gravel; 20% sand; 5% silt; no chemical odor.					
				SANDY SILT (ML) - very dark grayish brown (10YR 3/2), medium stiff, damp; 55% silt; 35% sand; 10% clay; no chemical odor.					
				COLOR CHANGE to olive brown (2.5Y 4/4) at 3.0 feet; increasing sand at 3.0 feet.					
				SILTY SAND (SM) - olive brown (2.5Y 4/4), soft, damp; 60% fine sand; 40% silt; no chemical odor.					
				SAND (SP) - dark brown (10YR 3/3), loose, damp; 85% fine sand; 15% silt; no chemical odor.					
				SILTY CLAY (CL/ML) - very dark grayish brown (10YR 3/2), soft, saturated; 50% clay; 40% silt; 10% fine sand; rootholes; no chemical odor.					
Remarks:									



Log of Boring

BORING NO.

DRAFT U-2

JOB NUMBER
7809

REVIEWED BY RG/CEG

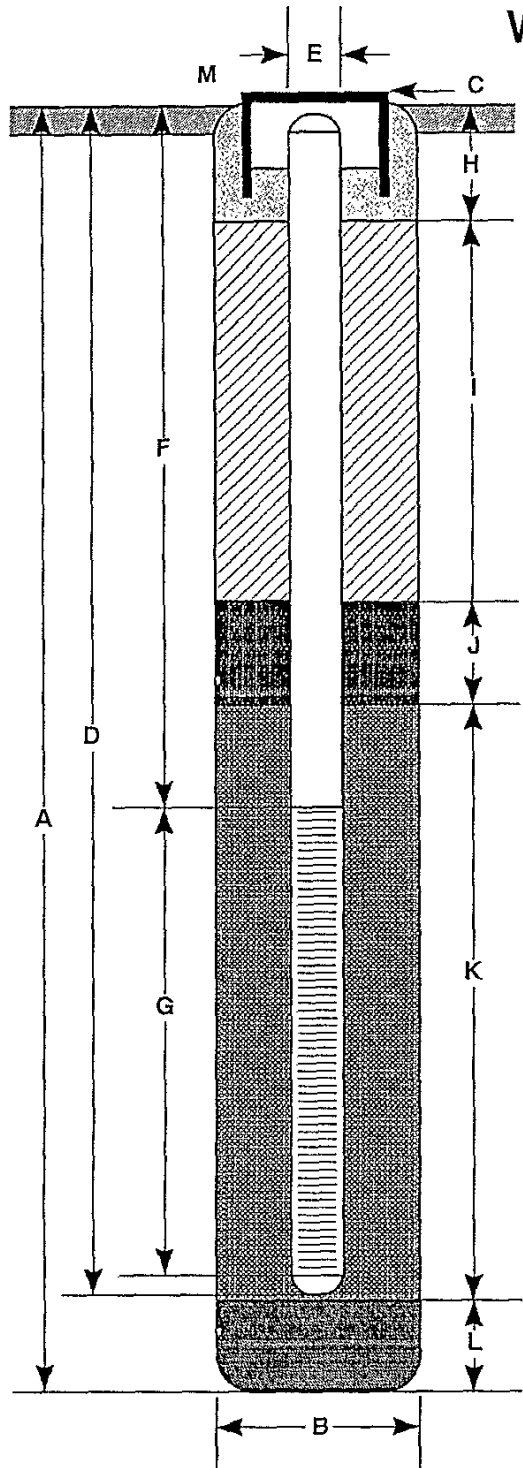
DATE
08/90

REVISED DATE

REVISED DATE

01-483J 3S/2W 7F4

WELL CONSTRUCTION DETAIL



- A Total Depth of Boring _____ 33.0 ft.
- B Diameter of Boring _____ 8 in.
Drilling Method _____ Hollow Stem Auger
- C Top of Box Elevation _____ 41.62 ft.
 Referenced to Mean Sea Level
 Referenced to Project Datum
- D Casing Length _____ 30.0 ft.
Material _____ Schedule 40 PVC
- E Casing Diameter _____ 3 in.
- F Depth to Top Perforations _____ 15.0 ft.
- G Perforated Length _____ 15.0 ft.
Perforated Interval from _____ 15.0 to _____ 30.0 ft.
Perforation Type _____ Machine Slot
Perforation Size _____ 0.020 in.
- H Surface Seal from _____ 0.5 to _____ 1.5 ft.
Seal Material _____ Concrete
- I Backfill from _____ 1.5 to _____ 11.0 ft.
Backfill Material _____ Concrete Grout
- J Seal from _____ 11.0 to _____ 13.0 ft.
Seal Material _____ Bentonite
- K Gravel Pack from _____ 13.0 to _____ 30.0 ft.
Pack Material _____ #2/12 Graded Sand
- L Bottom Seal _____ 3.0 ft.
Seal Material _____ 2 feet Slough/1 foot Bentonite
- M _____ Waterproof vault with locking well cap and lock.

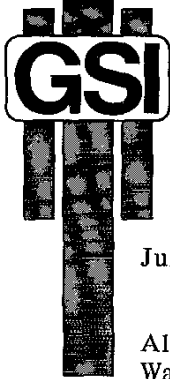
Note: Depths measured from initial ground surface.



Well Construction Detail

WELL NO.

DRAFT U-2



GeoStrategies Inc.

Permit 9325A

June 17, 1993

Alameda County Flood Control and
Water Conservation District
Zone 7
5997 Parkside Drive
Pleasanton, California 94588

Attention: Mr. Wyman Hong

Reference: UNOCAL Service Station #5760
376 Lewelling Boulevard
San Lorenzo, California

Mr. Hong:

Enclosed is Well Completion Report numbered 579444 for the above referenced location.

Please call if you have any additional questions.

Sincerely,


Cliff M. Garratt
Project Manager

enclosure

:wellcmp.rpt

REGION 2
 COUNTY Southern Alameda
 NEAR San Lorenzo

DEPARTMENT OF WATER RESOURCES
 DEPARTMENT OF PUBLIC WORKS
 STATE OF CALIFORNIA

BASIN 35/2W-793 1G1
 DWR No. 35/2W-793 ✓
 OTHER NOS. 18 B & M

WELL LOG

01-1459

LOCATION Levellng Blvd., 0.4 mile east of Hesperian Blvd., 500 feet east of SPRR tracks

OWNER San Lorenzo High School ADDRESS _____

DRILLED BY Western Well ADDRESS _____

DRILLING METHOD _____ GRAVEL PACKED _____ DATE COMPLETED Sept. 1951

SIZE OF CASING DEPTH 30-14 STRUCK WATER AT _____

PERFORATIONS _____ SIZE _____ No. _____

WATER LEVEL BEFORE PERFORATING _____ AFTER _____

TEST DATA: DISCHARGE G. P. M. 850 gpm 1951 DRAWDOWN FT. _____ HOURS RUN _____

OTHER DATA AVAILABLE: WATER LEVEL RECORD _____ ANALYSIS _____

SURFACE ELEV. 44 DATUM _____ SOURCE OF INFORMATION _____

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0-3		Surface Soil		
8		Sandy clay with some gravel		
44		Fine sand		
59		Sand and gravel with clay streaks		
70		Sand and gravel		
145		Sticky yellow clay and gravel.		
154		Free gravel, some clay		
172		Blue clay		
286		Yellow clay (gravel, free streaks)		
298		Fine sand		
489		Clay and gravel		
504		Broken rock and gravel		
529		Clay and gravel		
540		Sand and gravel		
560		Clay and gravel		
572		Cemented gravel		
616		Cemented gravel and sandy clay		
		Perf. 142-154		
		166-172		
		178-190	340-346	
		196-202	400-412	
		208-214	478-503	
		226-232	521-539	
		244-250	551-600	
		256-260		
		280-286		
		310-322		
		328-334		

FOR FIELD COPIES USE ALTERNATE LINES

*Plotted and Coded
As Well*

LOG OBTAINED BY _____ DATE _____ SHEET 1 OF _____



Du Pont Biosystems

01-420L

Driller

3S/2W 764 -

February 10, 1989
Job No. 211-71-11

ADD
MWR

3S/2W 76

1 Bore

Water Resources Management Zone 7
5997 Parkside Drive
Pleasanton, California 94566

ATTENTION: Mr. Craig Mayfield

SUBJECT: Ground Water Protection
Ordinance Permit 88556
44 Lewelling Boulevard
San Lorenzo, California

Dear Mr. Mayfield:

The work outlined on Permit 88556 has been completed at the Jet Gas Station located on 44 Lewelling Boulevard in the City of San Lorenzo.

In order to fulfill condition A-3 of the subject permit, I have attached the following items: boring logs, site plan and chemical analytical results.

We appreciate your cooperation in this matter and look forward to working with you in the future. Should any questions arise, please call me at (415)462-7772.

Sincerely,

DU PONT BIOSYSTEMS

Michael Reese

Michael W. Reese
Staff Engineer

*Chris St. Tierne
Driller Aqua Science Engineering*

1558

MWR:jv

Attachments: Boring Logs
Site Plan
Chemical Analytical Results



01-420L

WELL LOG MW-4

35/210784

JOB NUMBER: 211-71-11
JOB NAME: SAN LORENZO
DRILL RIG: MOBILE B-61

DATE DRILLED: 12-1-88
SURFACE ELEVATION:
DATUM:

SAMPLER TYPE:
2 1/2" SPLIT SPOON
5' CONTINUOUS

DRIVE WEIGHT - LB: 140
HEIGHT OF FALL-IN: 30

* Laboratory Analysis: S-Soil Properties C-Chemical Properties

Depth feet	Well Construction	Lab * Analysis	Blows Per Foot	Sample Depth	Sample Type	USCS Symbol	Description
2	Watertight utility box Locking Cap			2		CL	Asphalt
4				4			SILTY CALY - Mottled brown and tan, moist, medium stiff, (Fill).
6	Cement/Sand Grout		9	6		SM	SILTY SAND - Light brown, moist, loose, no hydrocarbon odor.
8	Bentonite Seal		6	8			SILTY SAND - Tan, moist, loose, no hydrocarbon odor.
10	8" Borehole		7	10			SANDY SILTY CLAY - Light brown, moist, medium stiff, no hydrocarbon odor.
12		C	5	12		CL-ML	SANDY SILTY CLAY - Light brown, moist, medium stiff, no hydrocarbon odor.
14			8	14		CL	SILTY CLAY - Light brown, moist, medium stiff, no hydrocarbon odor.
16			6	16		SM	SANDY SILT - Tan, moist, medium stiff, no hydrocarbon odor.
18			6	18		CL-ML	SANDY SILTY CLAY - Mixed light brown and tan, moist, medium stiff, water lense encountered at 17.5'.
20	# 2/16 Filter Sand		18	20		SM	SILTY SAND - Tan, wet, medium dense, no hydrocarbon odor.
22		C	29	22		GP	POORLY GRADED GRAVEL with sand - Grayish tan, saturated, medium dense, slight hydrocarbon odor.
24	Threaded End Cap		17	24		CH	FAT CLAY - Grayish black, moist, medium stiff, no hydrocarbon odor.
26	Bentonite	C	9	26		CL-ML	SILTY CLAY - Grayish-brown, wet, medium stiff, no hydrocarbon odor.
28			25	28		CL	SANDY LEAN CLAY - Light tannish-brown, wet, medium stiff, no hydrocarbon odor.
30				30			Boring terminated at 30 feet. Ground water encountered at 22.5'.

10'
0.02 slot size

Bottom of well

Du Pont Biosystems

Logged by: _____

Approved by: _____

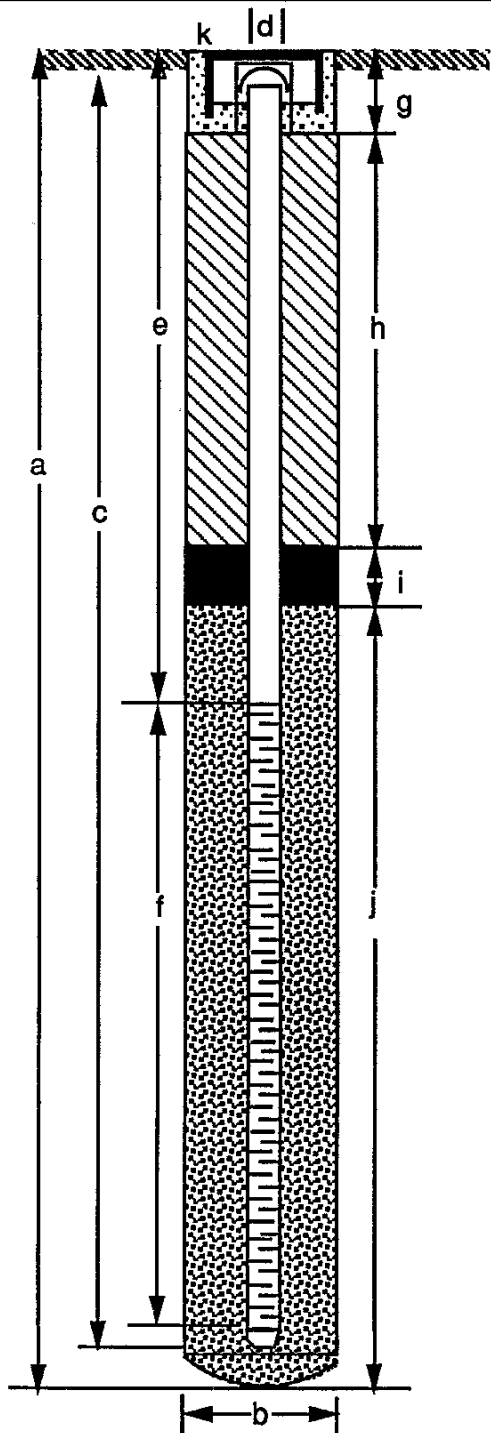
CASING SIZE - 2" SCH 40 PVC
slot size 0.02"
From bottom of well to
10' Feet Below surface

1558

TYPICAL ->

MONITORING WELL DETAIL

Project Number	<u>3-30092-32</u>	Boring/Well No.	<u>MW-10</u>
Project Name	<u>Ultramar/Beacon No. 721</u>	Top of Casing Elev.	<u>42.34</u>
County	<u>Alameda</u>	Ground Surface Elev.	<u>43.09</u>
Well Permit No.	<u>91606</u>	Datum	<u>Alameda County Datum</u>



EXPLORATORY BORING

a. Total depth 30 ft.
 b. Diameter 8 in.
 Drilling method Hollow Stem Auger

WELL CONSTRUCTION

c. Casing length 30 ft.
 Material PVC
 d. Diameter 2 in.
 e. Depth to top perforations 15 ft.
 f. Perforated length 15 ft.
 Perforated interval from 30 to 15 ft.
 Perforation type Machine Slot
 Perforation size 0.020 in.
 g. Surface seal 1 ft.
 Seal material Concrete
 h. Backfill 11 ft.
 Backfill material Neat Cement
 i. Seal 1 ft.
 Seal material Hydrated Bentonite Pellets
 j. Gravel pack 17 ft.
 Pack material 2/12 Sand
 k. Expansion plug, lock, 12-inch water-tight vault box

ole w w

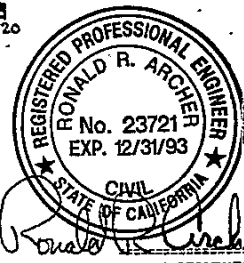
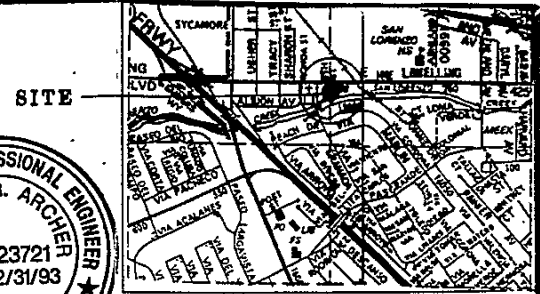
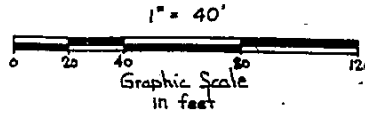
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



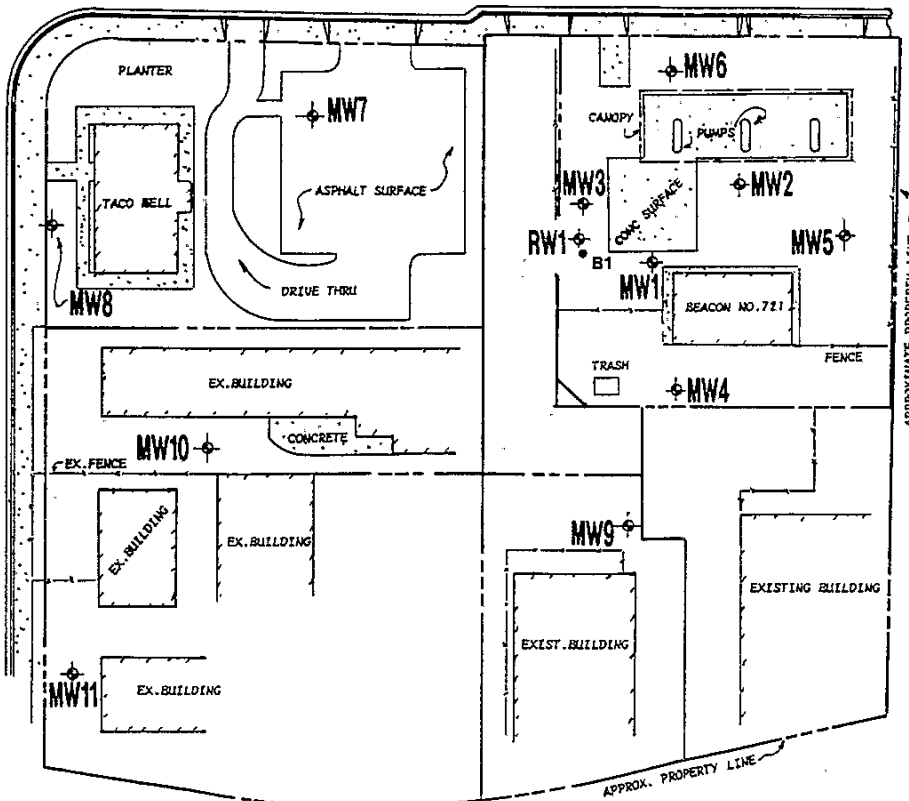
REMARKS:
 A POINT CHISELED "T" 1' FROM WEST END OF A 6" CONCRETE
 SIDEWALK 1' FROM NORTH EDGE OF WALKWAY 46'+/- FROM
 THE CENTERLINE OF LEWELLING BOULEVARD AT WEST PROPERTY
 LINE OF SAN LORENZO HIGH SCHOOL. ELEVATION TAKEN AS
 48.816 ALAMEDA COUNTY DATUM



VICINITY MAP
 N.T.S.

LEWELLING BOULEVARD

VIA GRANADA



MONITOR WELL DATA TABLE

WELL DESIGNATION	ELEVATION	DESCRIPTION
MW1	43.67 43.95	TOP OF PVC CASING TOP OF BOX
MW2	43.89 43.38	TOP OF PVC CASING TOP OF BOX
MW3	43.18 43.39	TOP OF PVC CASING TOP OF BOX
MW4	44.66 44.98	TOP OF PVC CASING TOP OF BOX
MW5	43.79 44.07	TOP OF PVC CASING TOP OF BOX
MW6	42.47 42.64	TOP OF PVC CASING TOP OF BOX
MW7	41.54 42.16	TOP OF PVC CASING TOP OF BOX
MW8	42.26 42.56	TOP OF PVC CASING TOP OF BOX
MW9	44.94 45.29	TOP OF PVC CASING TOP OF BOX
MW10	42.34 43.89	TOP OF PVC CASING TOP OF BOX
MW11	45.88 45.36	TOP OF PVC CASING TOP OF BOX
RW1	43.17 43.71	TOP OF PVC CASING TOP OF BOX

NOVEMBER 6, 1991 JOB NO. 1863

PLAT SHOWING EXISTING MONITOR WELLS AT AND IN THE VICINITY OF
 THE BEACON ULTRA MART GAS STATION NO. 721, LOCATED AT 44 LEWELLING
 BOULEVARD, SAN LORENZO, ALAMEDA COUNTY, CALIFORNIA

FOR: EXCELTECH/A RESINA COMPANY
 PROJECT NO. 3-38892-33

RON ARCHER
 CIVIL ENGINEER, INC.
 CONSULTING • PLANNING • DESIGN • SURVEYING
 4133 Mohr Ave., Suite E • Pleasanton, CA 94566
 (415) 462-9372

342669B
 35/PW-7615

342669B

35/2W7G15-

MONITOR WELL DATA TABLE

WELL DESIGNATION	ELEVATION	DESCRIPTION
MW1	43.67 43.95	TOP OF PVC CASING TOP OF BOX
MW2	43.89 43.38	TOP OF PVC CASING TOP OF BOX
MW3	43.18 43.39	TOP OF PVC CASING TOP OF BOX
MW4	44.66 44.98	TOP OF PVC CASING TOP OF BOX
MW5	43.79 44.87	TOP OF PVC CASING TOP OF BOX
MW6	42.47 42.64	TOP OF PVC CASING TOP OF BOX
MW7	41.54 42.16	TOP OF PVC CASING TOP OF BOX
MW8	42.26 42.56	TOP OF PVC CASING TOP OF BOX
MW9	44.94 45.29	TOP OF PVC CASING TOP OF BOX
MW10	42.34 43.89	TOP OF PVC CASING TOP OF BOX
MW11	45.88 45.36	TOP OF PVC CASING TOP OF BOX
RW1	43.17 43.71	TOP OF PVC CASING TOP OF BOX

342669B

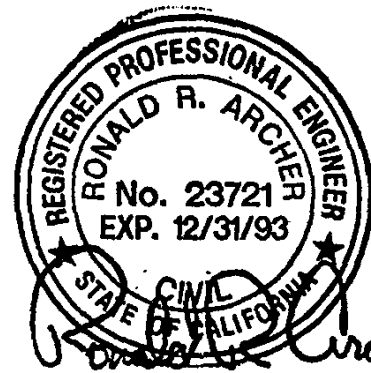
35/2w-7615-

RON ARCHER

CIVIL ENGINEER, INC.

CONSULTING • PLANNING • DESIGN • SURVEYING

4133 Mohr Ave., Suite E • Pleasanton, CA 94568
(415) 462-9372



NOVEMBER 6, 1991

JOB NO. 1863

ELEVATIONS OF EXISTING MONITOR WELLS AT AND IN THE VICINITY OF
THE BEACON ULTRA MART GAS STATION NO.721, LOCATED AT 44 LEWELLING
BOULEVARD, SAN LORENZO, ALAMEDA COUNTY, CALIFORNIA

FOR: EXCELTECH/A RESNA COMPANY
PROJECT NO. 3-30092-33

BENCHMARK:

A FOUND CHISELED "T" 1' FROM WEST END OF A 6' CONCRETE
SIDEWALK 1' FROM NORTH EDGE OF WALKWAY 46'+/- FROM
THE CENTERLINE OF LEWELLING BOULEVARD AT WEST PROPERTY
LINE OF SAN LORENZO HIGH SCHOOL. ELEVATION TAKEN AS
48.816 ALAMEDA COUNTY DATUM

324669B

035 02W 0745

RESNA EXPLORATORY BORING LOG

Project Name: Ultramar/Beacon No. 721
44 Lewelling Boulevard
San Lorenzo, California

Boring No. MW-11

Date Drilled: 10/17/91

Project Number: 3-30092-32

Logged By: K. McVicker

Depth (ft.)	Sample No.	Blows/Foot	Unified Soil Classification	SOIL DESCRIPTION	Water Level	OVM Reading (ppm)
1			ML	SANDY SILT, dark reddish brown, low plasticity, stiff, damp (fine sand)		0
2						
3						
4						
5						
6	S-6-B11	10		(Some fine sand and clay)		0
7						
8						
9						
10						
11	S-11-B11	19		Very stiff		0
12						
13						
14						
15						
16	S-16-B11	16		CLAYEY SILT with some fine sand, moist		0
17						
18						
19				Encountered water at approximately 18 feet	▽	
20						
21	S-21B11	14	CL	SILTY CLAY, dark olive brown, stiff, wet, trace fine to medium sand		0

REVIEWED BY R.G./C.E.G.

Page 1 of 2

ok Wm

324669B

35/2W-7G15

RESNA EXPLORATORY BORING LOG

Project Name: Ultramar/Beacon No. 721
 44 Lewelling Boulevard
 San Lorenzo, California

Boring No. MW-11

Date Drilled: 10/17/91

Project Number: 3-30092-32

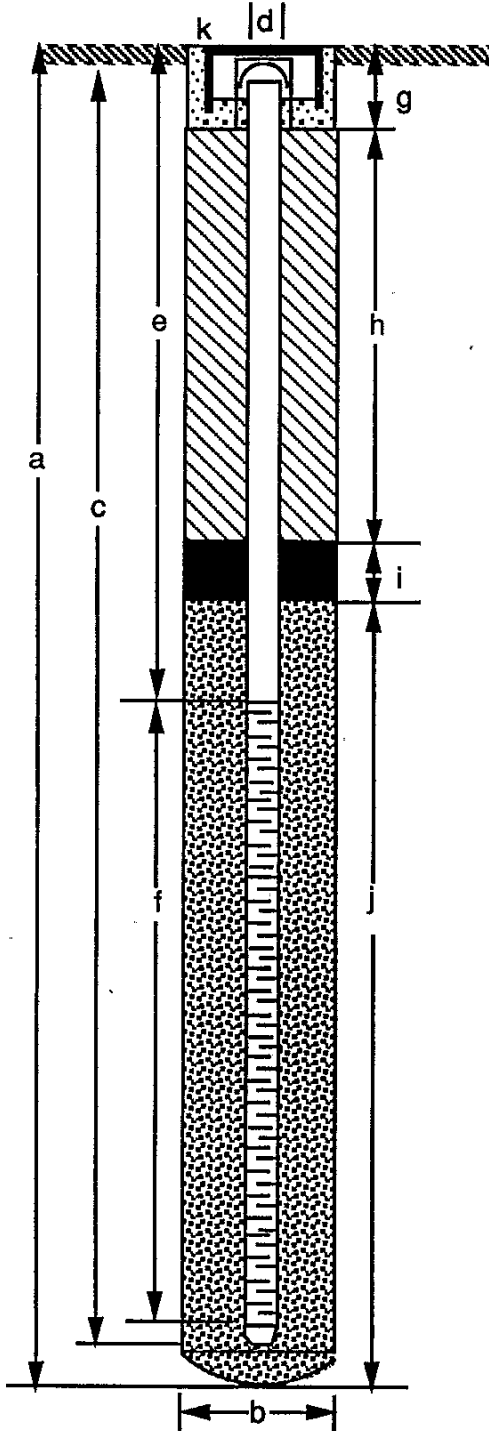
Logged By: K. McVicker

Depth (ft.)	Sample No.	Blows/Foot	Unified Soil Classification	SOIL DESCRIPTION	Water Level	OVM Reading (ppm)
22	S-21-B11	14	CL	Silty clay, dark olive brown, stiff, wet, trace fine to medium sand		0
23						
24						
25	S-26-B11	17		Color change to dark grey, very stiff		0
26						
27						
28	S-29.5-B11	28		Color change to light olive brown, trace gravel		
29						
30						
31				Bottom of boring at approximately 30 feet		
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						

REVIEWED BY R.G./C.E.G.

MONITORING WELL DETAIL

Project Number	<u>3-30092-32</u>	Boring/Well No.	<u>MW-11</u>
Project Name	<u>Ultramar/Beacon No. 721</u>	Top of Casing Elev.	<u>45.00</u>
County	<u>Alameda</u>	Ground Surface Elev.	<u>45.36</u>
Well Permit No.	<u>91606</u>	Datum	<u>Alameda County Datum</u>



EXPLORATORY BORING

- a. Total depth 30 ft.
- b. Diameter 8 in.
- Drilling method Hollow Stem Auger

WELL CONSTRUCTION

- c. Casing length 30 ft.
Material PVC
- d. Diameter 2 in.
- e. Depth to top perforations 15 ft.
- f. Perforated length 15 ft.
Perforated interval from 30 to 15 ft.
Perforation type Machine Slot
Perforation size 0.020 in.
- g. Surface seal 1 ft.
Seal material Concrete
- h. Backfill 11 ft.
Backfill material Neat Cement
- i. Seal 1 ft.
Seal material Hydrated Bentonite Pellets
- j. Gravel pack 17 ft.
Pack material 2/12 Sand
- k. Expansion plug, lock, 12-inch water-tight vault box

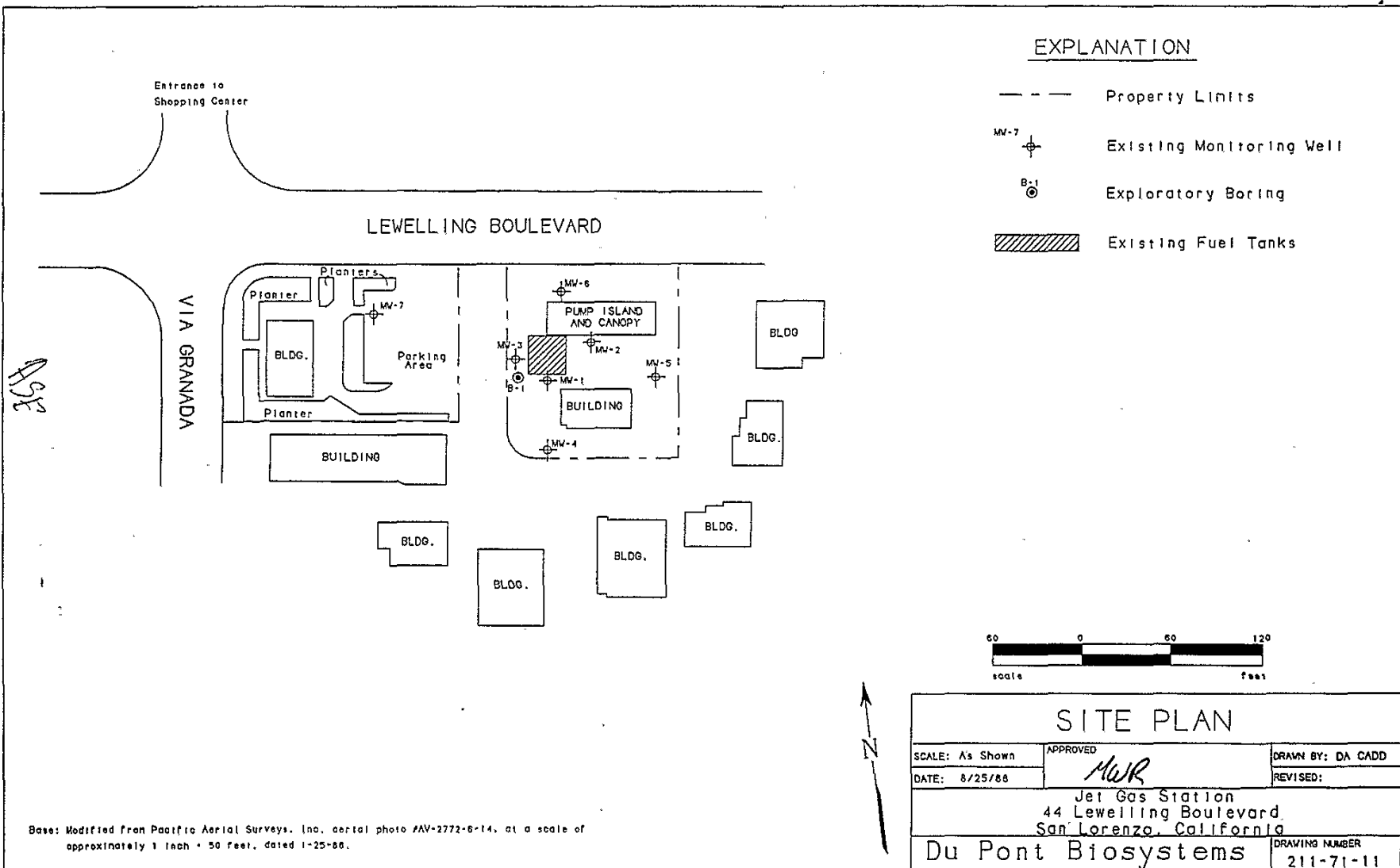
ok Wry

Site # - 691-K97000
1558

AGZ

01-430P

35/aw-79



EXPLANATION

- Property Limits
- MW-7 Existing Monitoring Well
- B-1 Exploratory Boring
- Existing Fuel Tanks



Base: Modified from Pacific Aerial Surveys, Inc. aerial photo #AV-2772-6-14, at a scale of approximately 1 inch = 50 feet, dated 1-25-66.

SITE PLAN		
SCALE: As Shown	APPROVED <i>MWR</i>	DRAWN BY: DA CADD
DATE: 8/25/88		REVISED:
Jet Gas Station 44 Lewelling Boulevard San Lorenzo, California		
Du Pont Biosystems		DRAWING NUMBER 211-71-11

KARO Oil Company



Du Pont Biosystems

01-420P

Driller

February 10, 1989
Job No. 211-71-11

ADD
MWR

35/2W 7G
35/2W 7G
1 Boring

Water Resources Management Zone 7
5997 Parkside Drive
Pleasanton, California 94566

ATTENTION: Mr. Craig Mayfield

SUBJECT: Ground Water Protection
Ordinance Permit 88556
44 Lewelling Boulevard
San Lorenzo, California

Dear Mr. Mayfield:

The work outlined on Permit 88556 has been completed at the Jet Gas Station located on 44 Lewelling Boulevard in the City of San Lorenzo.

In order to fulfill condition A-3 of the subject permit, I have attached the following items: boring logs, site plan and chemical analytical results.

We appreciate your cooperation in this matter and look forward to working with you in the future. Should any questions arise, please call me at (415)462-7772.

Sincerely,

DU PONT BIOSYSTEMS

Michael Reese

Michael W. Reese
Staff Engineer

*Chris St. Tierne
Driller Aqua Science Engineering*

1558

MWR:jv

Attachments: Boring Logs
Site Plan
Chemical Analytical Results



01-420P
BORING LOG B-1

35/24/76
12-2-88

JOB NUMBER: 211-71-11
JOB NAME: SAN LORENZO
DRILL RIG: MOBILE B-61

DATE DRILLED: 12-2-88
SURFACE ELEVATION: _____
DA UM: _____

SAMPLER TYPE:
2 1/2' SPLIT SPOON || 5 FOOT CONTINUOUS

* Laboratory Analysis: S - Soil Properties, C - Chemical Analysis

DEPTH FEET	BLOWS/FOOT	LAB * ANALYSIS	USCS SYSTEM	DESCRIPTION
				Asphalt
2			SM	SILTY SAND - Light brown, dry, loose, (Fill).
			SM	SILTY SAND - Dark brown, moist, medium dense, (Fill).
4			SM	SILTY SAND - Light brown, moist, medium dense, no hydrocarbon odor.
6	12		SP-SM	SAND with silt - Light brown, moist, medium dense, no hydrocarbon odor.
8	13			
10	8			SILTY SAND - Grayish-black, moist, medium stiff, slight hydrocarbon odor.
12	7	C	SM	
14				
16	10	C		As above.
18	5		ML	SANDY SILT - Mixed brown & tan, moist, medium stiff, moderate hydrocarbon odor.
20	7		SM	SILTY SAND - Grayish-olive, wet, loose, no hydrocarbon odor.
22		C		
24	21		CH	FAT CLAY - Grayish-black, wet, very stiff, slight hydrocarbon odor.
26	21		SM	SILTY SAND - Mixed gray & tan, wet, dense, no hydrocarbon odor.

Du Pont Biosystems

Logged by: _____

Approved by: _____

OL 420 P
BORING LOG B-1

3S/2W-7G

JOB NUMBER: 211-71-11
 JOB NAME: SAN LORENZO
 DRILL RIG: MOBILE B-61

DATE DRILLED: 12-2-88
 SURFACE ELEVATION: _____
 DA UM: _____

SAMPLER TYPE:
2 1/2" SPLIT SPOON || 5 FOOT CONTINUOUS

* Laboratory Analysis: S - Soil Properties, C - Chemical Analysis

DEPTH FEET	BLOWS/FOOT	LAB * ANALYSIS	USCS SYSTEM	DESCRIPTION
	36		SM	SILTY SAND - Mixed gray & tan, wet, no hydrocarbon odor.
30	17 7		CL	LEAN CLAY - Tan, wet, medium stiff, no hydrocarbon odor.
			SM	SILTY SAND - Tan, saturated, loose, no hydrocarbon odor.
32		C	SP-SM	POORLY GRADED SAND with silt - Tan, saturated, very stiff, no hydrocarbon odor.
34	23		SP	POORLY GRADED SAND - Mixed gray & tan, saturated, medium dense, no hydrocarbon odor.
			SM	SILTY SAND - Tan, saturated, medium dense, no hydrocarbon odor.
36	27		SM	
38				Boring terminated at 37 feet. Ground water encountered at approximately 21.5 feet.
40				
42				
44				
46				
48				
50				
52				
54				

Du Pont Biosystems

Logged by: _____

Approved by: _____

1558



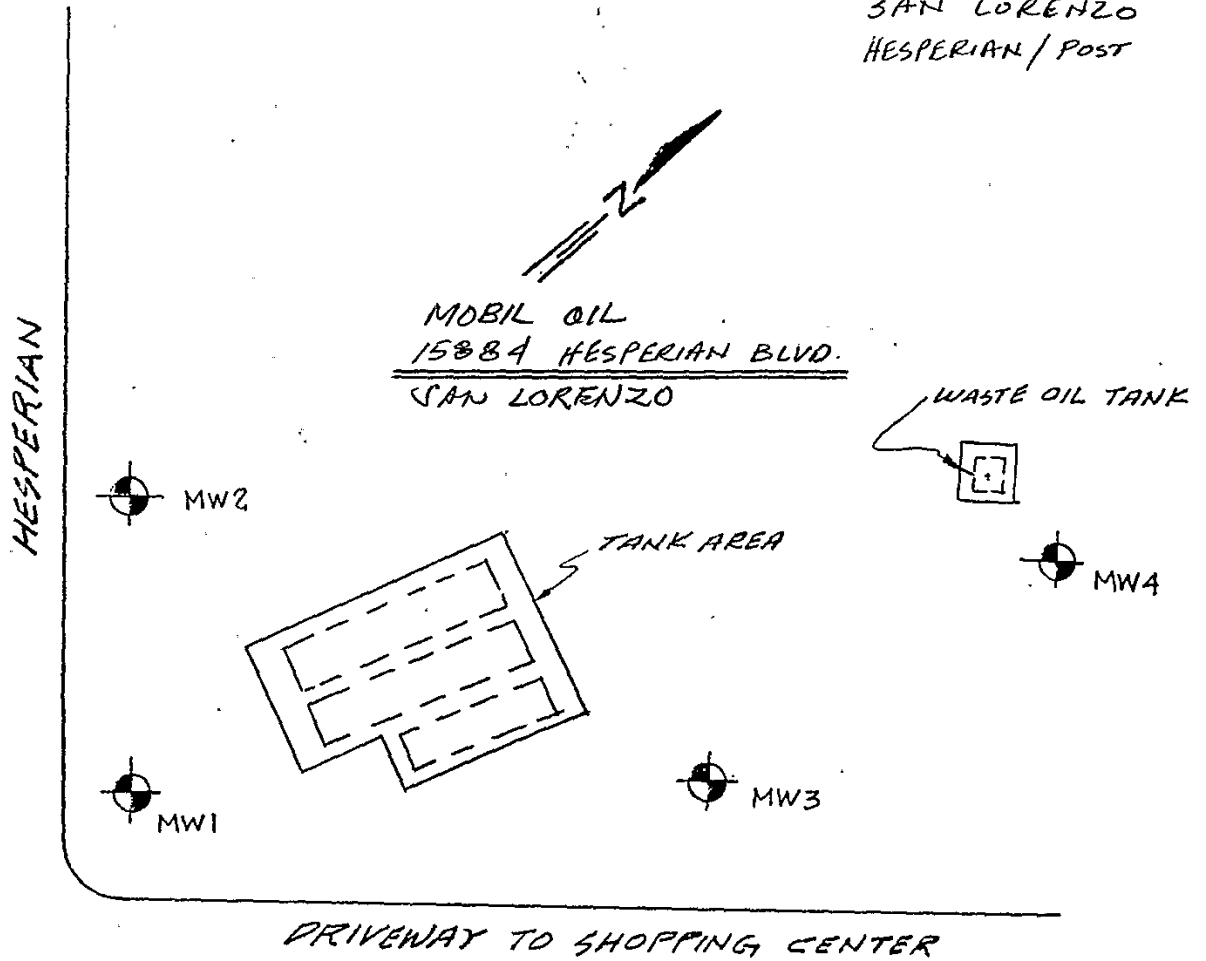
PERMIT # EG212 INV. ✓
AD. ✓

01-165A1-0
FILED

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
535 Main Street
Martinez, Ca. 94553
(415) 372-5444

3S/2W7L1

SAN LORENZO
HESPERIAN / POST



LOCATION PLAN

N.T.S.

 MW (MONITORING WELL)

DRILLER: EXPLORATION DRILLING SERVICES, SAN JOSE

HAZARDOUS MATERIALS
MITIGATION PROFESSIONALS, INC.



PERMIT # EG212 INV. ✓
AD. ✓

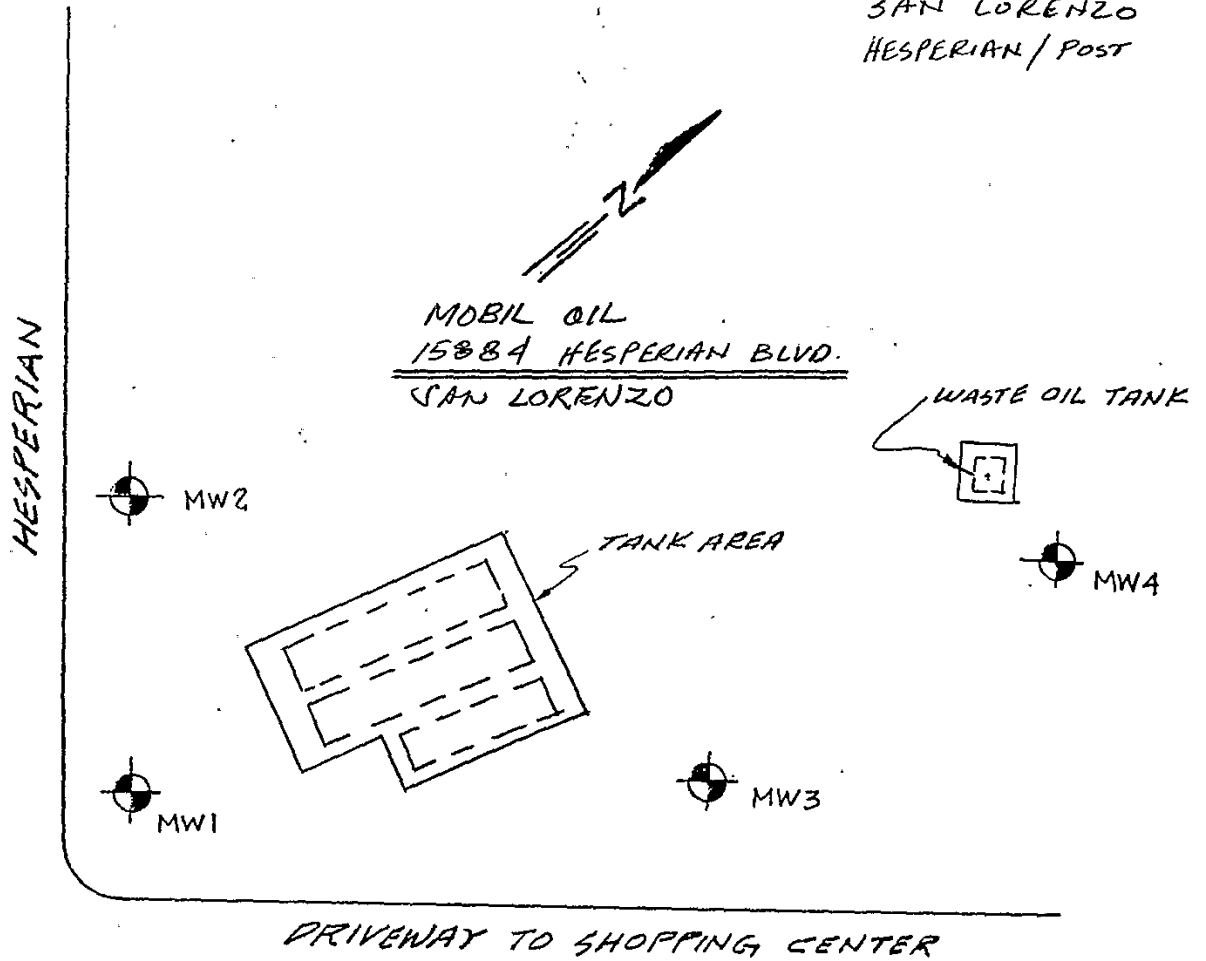
01-165A1-0

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LOCATION PLAN

N.T.S.

 MW (MONITORING WELL)

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HAZARDOUS MATERIALS
MITIGATION PROFESSIONALS, INC.

INV. ✓
AD. ✓

35/2W741

01-185 A

DRILL RIG Hollow Stem		SURFACE ELEVATION -----		LOGGED BY JCW					
DEPTH TO GROUNDWATER As Noted		BORING DIAMETER 8"		DATE DRILLED 7/29/86					
DESCRIPTION AND CLASSIFICATION				DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL TYPE						
ASPHALT AND BASE ROCK									
SILTY SAND ; damp	dark brown	loose to medium dense	SM	5					
CLAYEY SAND; damp to moist Faint product odor	blue-gray	medium dense	SC	10					
Moist to wet		dense		15			14.0	▽	
				20					
HAZARDOUS MATERIALS MITIGATION PROFESSIONALS, INC. 1450 Koll Circle, Suite 114, San Jose, CA 95112 Telephone: (408) 286-7868				EXPLORATORY BORING LOG					
				1500P MOBIL OIL CORPORATION WESTERIAN BLVD SAN LORENZO, CA					
				PROJECT NO.		DATE		BORING NO.	
				H182-22		8/86		MW-1	

DRICLER? EXPLORATION DRILLING SERVICES, SAN JOSE

3S/2W7L1

DRILL RIG Hollow Stem		SURFACE ELEVATION -----			LOGGED BY JCW				
DEPTH TO GROUNDWATER As Noted		BORING DIAMETER 8"			DATE DRILLED 7/29/86				
DESCRIPTION AND CLASSIFICATION				DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL TYPE						
CLAYEY SAND (CONTD)	blue-gray	dense	SC						
SILTY CLAY; damp to dry	tan	very stiff	CL						
TOTAL DEPTH = 25.0 feet				25					
HAZARDOUS MATERIALS MITIGATION PROFESSIONALS, INC. 1450 Koll Circle, Suite 114, San Jose, CA 95112 Telephone: (408) 286-7868				EXPLORATORY BORING LOG					
				15 APR HESPERIANO BLUD MOBIL OIL CORPORATION SAN LORENZO, CA					
				PROJECT NO.		DATE		BORING NO.	
				H182-22		8/86		MW-1	

3S/2W7L1

01-A
185A

MOBIL OIL CORPORATION
SAN LORENZO, CALIFORNIA

MW-1

Well completed to 25.0 feet in depth with 2-inch Class 160 PVC casing, flush-threaded joints. Screen (.020-inch slot) set from 7.0 to 25.0 feet. 6 X 12 Monterey sand placed from 4.5 to 25.0 feet, bentonite pellets placed from 4.0 to 4.5 feet, and concrete seal placed from 0 to 4.0 feet.

Hodgson Construction Inc.



commercial and industrial

February 8, 1989

Alameda County Flood Control and
Water Conservation District
5997 Parkside Drive
Pleasanton, CA 94566

ATTN: Water Resources Engineering Dept.

RE: Destruction of 5' Diameter 10' Deep Brick Lined Well.
Zone 7 Water Resources Permit # 88569

The method used in the destruction of well 3S/2W 7L80 at
15840 Hesperian Blvd. in San Leandro is as follows:

1. Removed top 2 Ft of brick liner.
2. Placed 3' of pea gravel.
3. Placed 1' of concrete.
4. Placed 3' of pea gravel.
5. Placed 1' of concrete.
6. Placed and compacted (in 2 lifts) 2 Ft. of top soil.
7. Placed 6" of base rock.
8. Placed 4" of A.C.

The method discribed above is as directed by Graig
Mayfield of the Water District. If you have any questions
please contact me at (415) 364-6440.

Respectfully,

R Ledbetter
Roger Ledbetter
Project Manager

cc: File

File: RS / 697WELL

01-414Z ✓

state license no. 310695

3S/2W-7L80 ✓

ADD
ENV ✓

RECEIVED
FEB 9 - 1989
ZONE 7, ACFC&WCD

01-438#
3S/2-W 7P1
Inv ✓
Add ✓

**GROUNDWATER MONITORING WELL
CONSTRUCTION AND SAMPLING
AT
427 PASO GRANDE
SAN LORENZO, CA.**

for

San Lorenzo Village Homes Assoc.

by

**Aqua Science Engineers, Inc.
San Ramon, Ca.**

May 30, 1989

Lic #
C57-487000

INTRODUCTION

In April, 1989 Aqua Science Engineers (ASE) was contracted by San Lorenzo Village Homes Assoc. to construct and sample one monitoring well at 427 Paseo Grande in San Lorenzo. The work was performed in response to the Alameda County Health Care Services Agency letter of June 30, 1988, which requested the well installation. A permit for well construction was obtained from Alameda County Flood Control and Water Conservation District Zone 7 (Appendix A).

The site is located just west of Interstate 880, less than 1/2 mile south of San Lorenzo Creek (1988 Alameda County Thomas Guide, page 27, grid E-6), (Figure 1). The San Lorenzo Fire Dept. occupies the subject site, along with the city library and post office in a small complex.

In December, 1987 a single 550 gallon gasoline tank was removed from the site (Figure 2), and subsequent soil sampling revealed TPH as gasoline concentrations of 99 and 510 ppm in two soil samples from the tankpit (Kaprealian Engineering Inc., report of December 17, 1987).

DRILLING PROCEDURES

On May 11, 1989, an ASE Mobile B-61 drilling rig with 8" hollow stem augers drilled to 32 feet near the northwest edge of the former tank pit area. The rig was steamcleaned prior to arrival on site. Undisturbed soil samples were collected from 5, 10, and 15 feet with a hammer driven California split spoon sampler which was also precleaned.

At approximately 10 feet a slight odor of gas was perceived, emanating from the boring. At 15 feet drilling depth, shallow groundwater was measured to be at approximately 11 feet depth. The slight odor of gasoline was noted from the hole at 20 feet depth. Drilling proceeded without incident to 32 feet total depth.

WELL CONSTRUCTION PROCEDURES

Upon completion of drilling, a 2" schedule 40 PVC well was installed to 31 feet total depth. Twenty feet of .010" slotted casing with a threaded bottom cap (approx. 3") was followed by 11 feet of blank casing, bringing the well to grade. The well was sanded with #3 sand through the augers, from 31 feet up to 9 feet depth. One foot of bentonite pellets followed with water for activation of the pellets. The remainder of the boring was filled to grade with cement, and a 6" street cover was installed along with a locking inner cap.

SAMPLING PROCEDURES

The soil samples were collected in 2" X 6" precleaned brass tubes and sealed with plastic caps and tape. The sampler was cleaned with a TSP solution and rinsed with tap water between samplings. The samples were put into a cooler on ice and transported to a State Certified Analytical Laboratory for analysis following chain of custody procedures (Appendix B).

The completed well was developed by bailing about 40 gallons of water into a barrel. The 2" Teflon bailer was then used to collect a groundwater sample which was put into a 1 liter amber bottle and a 40 ml amber septum vial, then handled as described above.

SAMPLE ANALYSIS

The soil samples procured from 5, 10, and 15 feet, along with the groundwater sample were analyzed for TPH as gasoline with BTXE distinction using EPA methods 8015/8020 (602). Soil samples MW-1,5' and MW-1,15' were found to contain the constituents of interest in concentrations below the method detection limit (Appendix B). MW-1,10' contained 5.1 ppm TPH as gasoline, and 156 ppb total BTXE. The groundwater sample MW-1a contained nondetectable levels of gasoline and BTXE.

SITE GEOLOGY

The soils encountered as drilling progressed were logged by an ASE geologist using the United Soil Classification System (USCS). From grade to a depth of 25 feet the soil is predominantly clay (CH), olive brown to gray to black, with minor amounts of gravel at 2 to 4 feet, and grading from clay into sand and clay (ML, SC) at about 25 to 32 feet depth (Appendix C). Shallow groundwater exists at about 11 feet below grade. A local groundwater gradient was not determined though the regional gradient is probably to the west, toward the San Francisco Bay.

CONCLUSIONS

Soil sample analyses show minor petroleum hydrocarbon contamination in the soil at 10 feet. The groundwater analysis indicates that the unauthorized release of gasoline from the previously existing UST may have been minor and the extent of the contamination very localized, in the immediate vicinity of the tank. The clayey nature of the soil may be an inhibitor to the migration of contaminants from the point of release, though the proximity of the minor soil contamination to the water table is a cause of concern.

RECOMMENDATIONS

The well should be sampled quarterly for a period of one year to monitor the condition of the groundwater with regards to contaminant migration from soil into the groundwater. The samples should be analyzed for TPH as gasoline with BTXE distinction as past samples. If future analyses show that the groundwater has remained free of the constituents of interest, then perhaps periodic monitoring can be discontinued.



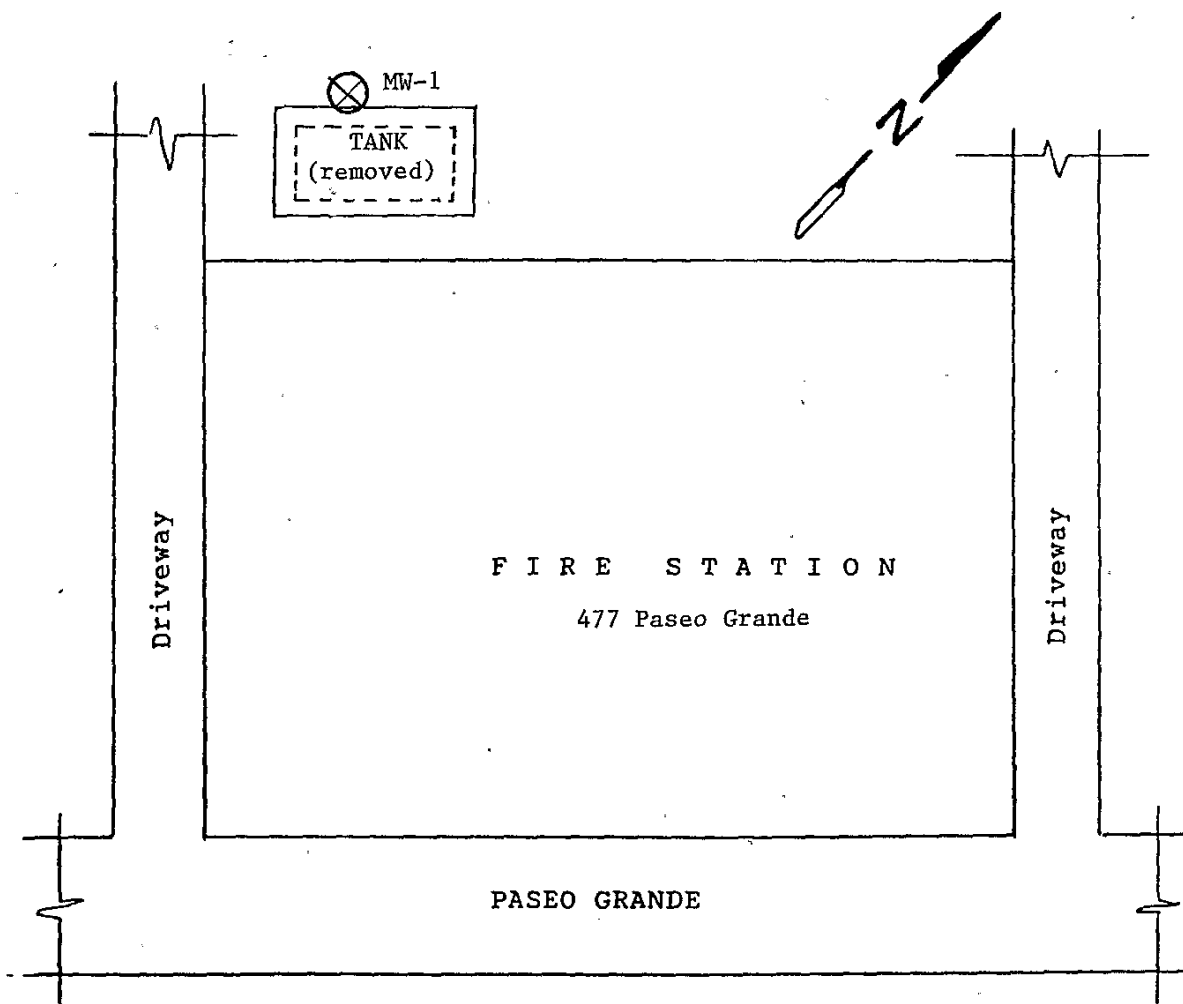
↑
N

● denotes site location

Figure 1

01-438Z

Figure 2




⊗ denotes monitoring well location

Figure 2

01-438Z 3S/2W 7P1

PROJECT: San Lorenzo Village Homes Assoc.

LOG OF MONITORING WELL # MW-1

depth ft.	SOILS / ROCK DESCRIPTION	MONITORING WELL DETAILS	REMARKS
0	concrete: approximately 4-inches		
1	clay, greenish black, sand v. minor, stiff, (CH)	Street Box	
2			
3	clay, as above with minor blue-green gravel, (CH)	Concrete	
4			
5	clay, olive brown to black, sand nil, firm, (CH)		soil sample no odor
6		bentonite pellets	
7			
8			
9		2" Blank PVC	
10	clay, green-olive gray to brown, sand minor, (CH)		soil sample sl. odor
11		#3 sand	
12			
13			
14		0.010" slotted 2" sched. 40 PVC	
15	clay, olive brown, sand nil, firm, (CH)		soil sample measured water at 11'
16			
17			
18			
19			
20	clay, as above, (CH)		sl. odor of gas from hole
21			
22			

AQUA SCIENCE ENGINEERS

Logged By: G. Gouvea

Date Logged: 5-11-89

Figure #

01-438Z

PROJECT: San Lorenzo Village Homes Assoc. LOG OF MONITORING WELL # MW-1

depth ft.	SOILS / ROCK DESCRIPTION	MONITORING WELL DETAILS	REMARKS
23	clay, olive brown, sand nil, (CH)	<p>40 pvc #3 sand 0.010" slotted 2" threaded bottom cap</p>	no odors
24			
25			
26	clay and sand, olive brown, layers few inches thick, (ML)		
27			
28			
29			
30	sand and clay, olive gray-brown, sand > 50%, fine to med. gr., (SC)		
31			
32	B. O. H.		
33			
34			
35			
36			
37			
38			
39			
40			

