

ALCO  
HAZMAT  
94 APR -1 AM 11:58

March 21, 1994  
Project No. RC0256.001

Ms. Juliet Shin  
Alameda County Health Care Services Agency  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, California 94621

**SUBJECT:** Additional Background Data Clarification for Case Closure, Former Chevron Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California 94580.

Dear Ms. Shin:

This letter provides additional clarification of background information regarding the Chevron U.S.A. Products Company (Chevron) site referenced above (Figure 1). Clarification of background information was previously presented in a letter dated March 11, 1994. The purpose of this letter is to provide the Alameda County Health Care Services Agency (ACHCSA) with information so that it can make a recommendation for case closure to the San Francisco Bay Regional Water Quality Control Board (RWQCB). This additional information was requested by Ms. Juliet Shin of the ACHCSA in a telephone conversation to Ms. Nancy Vukelich of Chevron on March 21, 1994.

The ACHCSA has asked for the source of the excavated soil that was transported offsite. Approximately 220 yd<sup>3</sup> of excavated soil (soil stockpile samples CS-16 through CS-18, and CS-26) were transported from the site to Browning Ferris Industries North Vasco Road Disposal Facility in Livermore, California, for disposal. The source of these soils was the waste-oil tank excavation (verbal communication with Ms. Nancy Vukelich of Chevron, March 21, 1994).

The ACHCSA requested additional clarification regarding the total depth and dimensions of overexcavation. A September 13, 1991 Geostrategies Inc. (GSI) report states that, on December 18, 1990, the bottom of the underground storage tank (UST) excavation was at approximately 11.5 feet below grade. GSI also states that 1) overexcavation was continued at the site based on field observations and the results of



**Table 1: Stockpiled Soil Sample Laboratory Analytical Results**  
 Former Chevron Service Station #9-5630  
 997 Grant Avenue, San Lorenzo, California.

Sample Number	Sample Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total Oil and Grease (mg/kg)	Organic Lead (mg/kg)
CS-1	19-Dec-90	60	0.052	0.350	0.410	6.100	--	--
CS-2	19-Dec-90	63	<.050	<.050	0.240	1.200	--	--
CS-3	19-Dec-90	<1	<.005	<.005	<.005	0.009	--	--
CS-4	19-Dec-90	60	0.048	0.160	0.440	4.200	--	--
CS-5	19-Dec-90	<1	<.005	<.005	<.005	0.010	<50	--
CS-6	19-Dec-90	50	<.050	0.860	0.130	0.690	--	--
CS-7	19-Dec-90	100	<.300	1.000	1.500	12.000	--	--
CS-8	19-Dec-90	<1	<.005	<.005	<.005	0.007	--	--
CS-9	17-Jan-91	98	<.019	0.230	0.031	0.940	--	--
CS-10	17-Jan-91	100	<.030	0.068	0.220	7.000	--	--
CS-11	17-Jan-91	99	<.150	<.150	0.280	3.000	--	--
CS-12	17-Jan-91	100	<.030	0.260	0.590	6.000	--	--
CS-13	17-Jan-91	86	<.150	0.250	0.250	3.000	--	--
CS-14	17-Jan-91	78	<.150	0.150	0.190	3.000	--	--
CS-15	17-Jan-91	45	0.040	0.031	0.100	0.690	--	--
CS-16	17-Jan-91	24	<.010	0.011	0.035	0.120	220	--
CS-17	17-Jan-91	63	<.015	0.062	0.092	0.160	63	--
CS-18	17-Jan-91	36	<.010	0.038	0.019	0.260	610	--
CS-19	17-Jan-91	100	<.150	0.190	2.000	12.000	--	--
CS-20	17-Jan-91	26	<.018	0.051	<.018	0.043	--	--
CS-21	17-Jan-91	49	<.013	0.032	<.013	1.000	--	--
CS-22	17-Jan-91	20	<.012	<.012	<.012	0.500	--	--
CS-23	17-Jan-91	8	<.005	<.005	<.005	0.200	--	--
CS-24	17-Jan-91	7	<.005	0.008	<.005	0.029	--	--
CS-25	17-Jan-91	<1	<.005	<.005	<.005	0.006	--	--
CS-26	17-Jan-91	14	<.005	0.058	0.053	0.120	65	--
CS-27	20-Feb-91	2	<.005	0.005	0.005	0.014	--	--
CS-28	20-Feb-91	24	<.005	0.037	0.044	0.170	--	--



screening the soil for organic vapor using a photoionization detector (PID) and 2) overexcavation was continued until PID readings were less than 100 parts per million (ppm). An Environmental Geosciences Engineering (EGE) document dated May 12, 1992, states that the former tank complex was excavated to a depth of greater than 11.5 feet, and that soil analytical results collected from the source area indicated nondetectable levels of total petroleum hydrocarbons as gasoline (TPH-G) at 14.5 feet. These records indicate that the maximum depth of the overexcavation in the vicinity of the former tank complex was 14.5 feet below grade. These records do not indicate the lateral extent of the overexcavation. An additional records review by Gettler Ryan on March 21, 1994, revealed no confirmatory data regarding the dimensions of the overexcavation (verbal communication with Mr. Scott Lifter of Gettler Ryan, March 23, 1994).

*no documentation available*

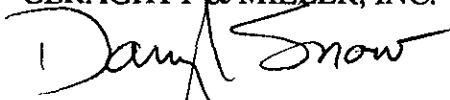
The ACHCSA has requested an explanation of the relationship between the groundwater noted in the UST excavation at a depth of approximately 11.5 feet below ground surface (bgs) and the first encountered groundwater noted during the drilling and installation of Monitor Wells C-1 through C-4 during November 1990 at a depth of approximately 17.5 to 19.5 feet bgs. The records reviewed by Gettler Ryan on March 21, 1994, indicated that there was rain while the UST excavation was open (verbal communication with Mr. Scott Lifter of Gettler Ryan, March 23, 1994). It is possible that the water noted in the UST excavation could have been rain accumulation.

Data presented in the March 11, 1994 letter to the ACHCSA suggest that either the groundwater in the geologic unit being monitored by the wells occurs under confined or semiconfined conditions, or that first encountered water actually occurs at approximately 11 feet bgs. Additional assessment activities would be required to define the hydrogeologic conditions beneath the site. However, based on existing information provided to Geraghty & Miller, concentrations of TPH-G greater than 100 ppm do not exist in soils beneath the site and shallow groundwater is currently being monitored by Monitor Well C-5, approximately 30 feet downgradient (northwest) of the site (Figure 2). Groundwater monitoring and sampling results from Monitor Well C-5 establish that shallow groundwater is not affected at that location. While additional site assessment activities would provide data clarifying the hydrogeologic conditions beneath the site, such data would be of limited value with respect to site closure, since petroleum hydrocarbons have never been detected in the groundwater samples collected from Monitor Well C-5.

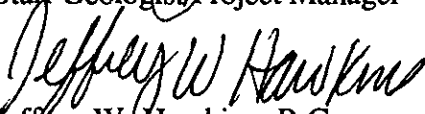


If you have any questions regarding this site, please do not hesitate to contact the undersigned at (510) 233-3200.

Sincerely,  
GERAGHTY & MILLER, INC.



Darryl B. Snow  
Staff Geologist/Project Manager



Jeffrey W. Hawkins, R.G.  
Senior Scientist



Gary W. Keyes  
Principal Engineer/Associate  
Richmond, California Office Manager

Enclosures:    References

Figure 1	Site Location Map
Figure 2	Site Plan

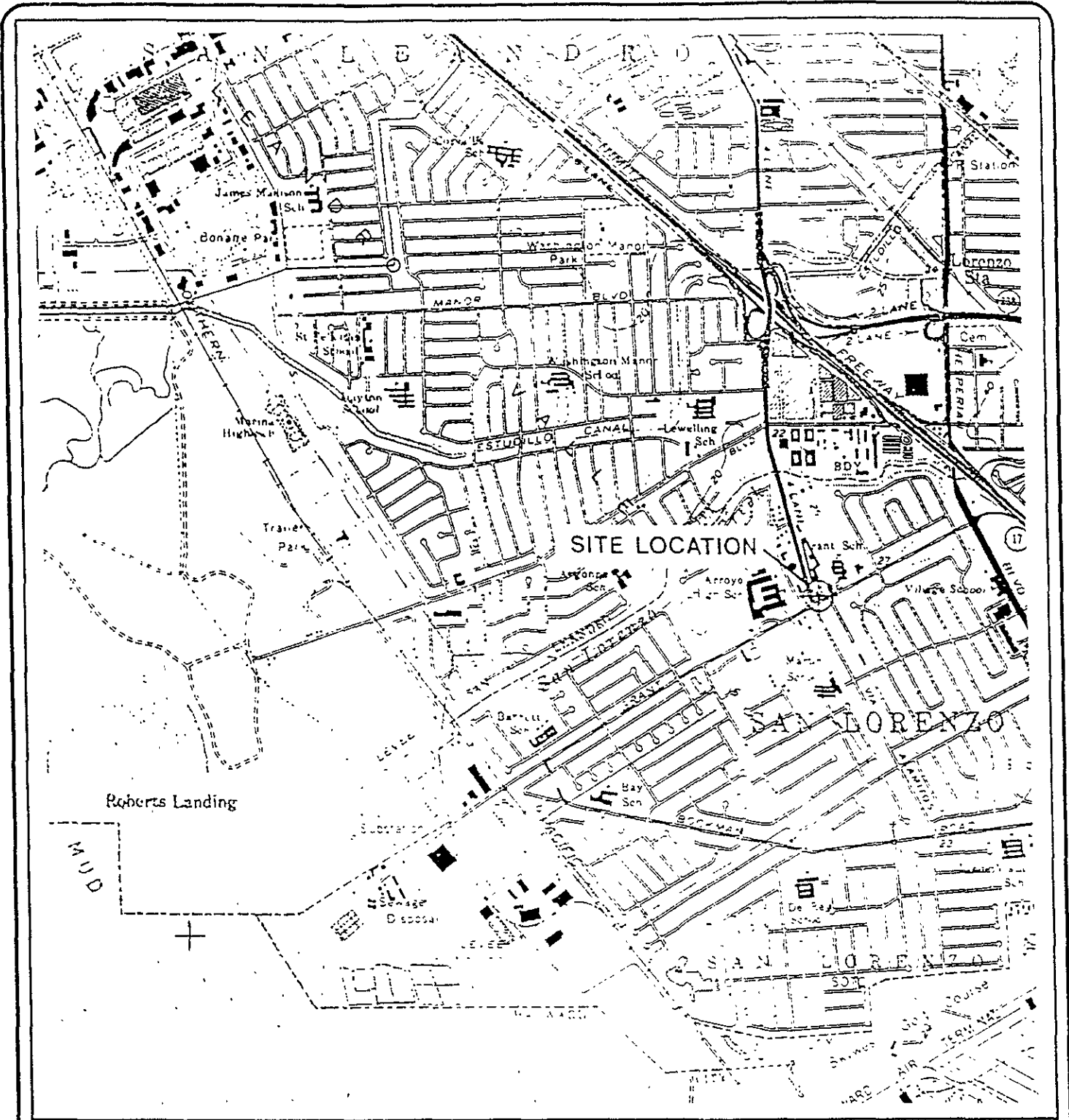
xc:    Mr. Mark Miller, Chevron U.S.A. Products Company  
      Mr. Lawrence A. Cogan, Ware & Freidenrich



**REFERENCES**

- Environmental Geosciences Engineering. May 12, 1992. Results of Corrective Action and Feasibility Assessment, Former Chevron U.S.A. Products Company Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California.
- GeoStrategies Inc. September 13, 1991. Tank Removal Observation Report, Former Chevron U.S.A. Products Company Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California.





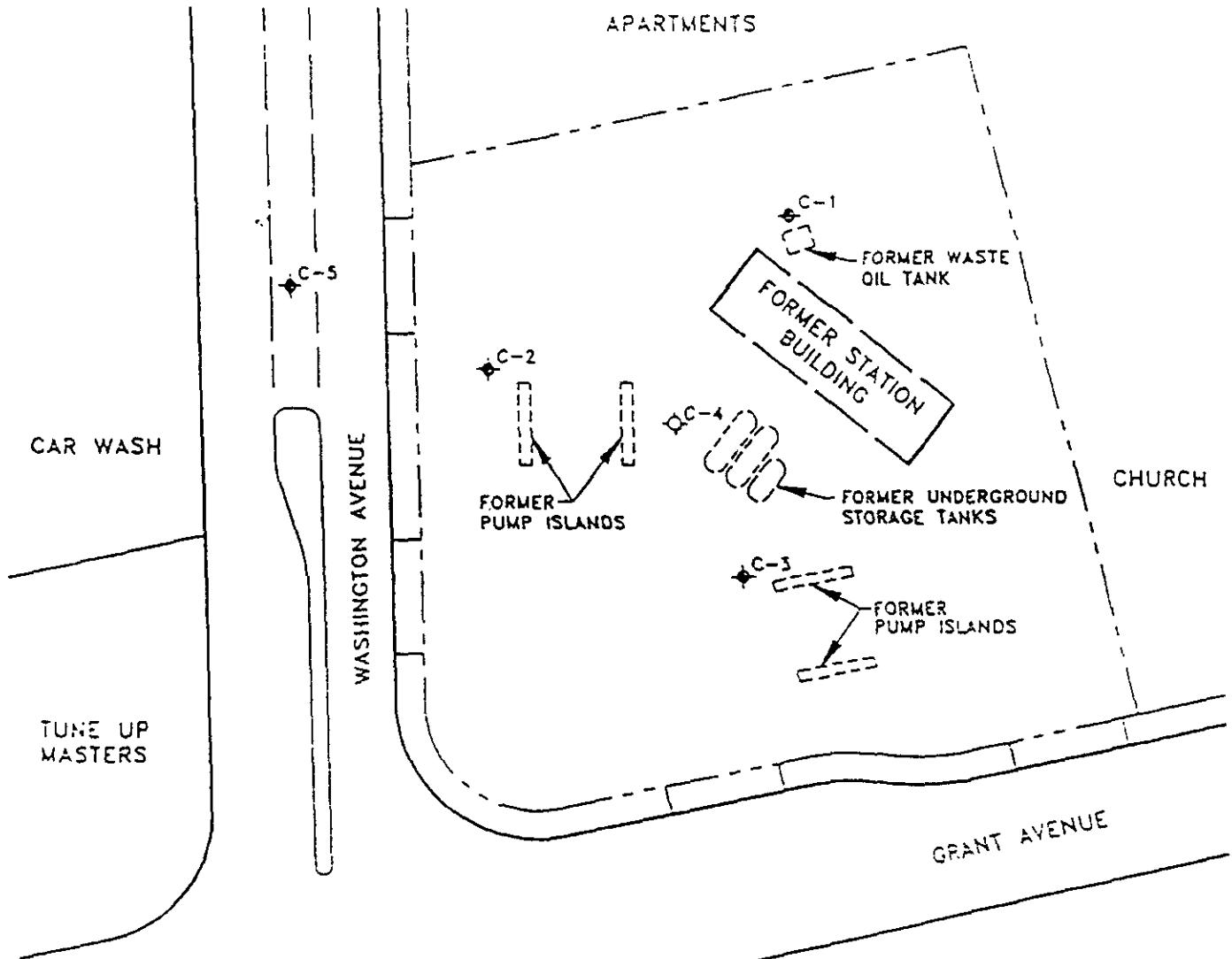
Project No. RC0256.000

**SITE LOCATION MAP**  
Former Chevron Service Station #9-5630  
997 Grant Avenue  
San Lorenzo, California

FIGURE

**1**

APARTMENTS



CAR WASH

TUNE UP MASTERS

WASHINGTON AVENUE

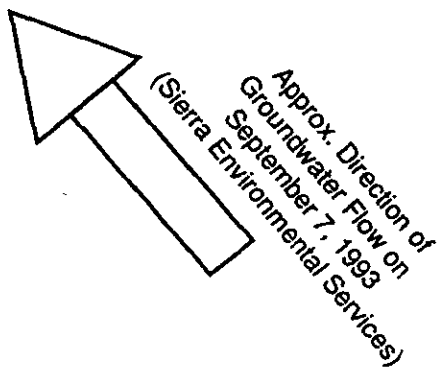
GRANT AVENUE

CHURCH

RESIDENTIAL

**EXPLANATION**

- ◆ MONITORING WELL
- ◻ DESTROYED WELL



Reference: Groundwater Technology



Project No. RC0256.000

**SITE PLAN**  
Former Chevron Service Station #9-5630  
997 Grant Avenue  
San Lorenzo, California

FIGURE

**2**

ALCO  
HAZMAT  
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March 11, 1994  
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Ms. Juliet Shin  
Alameda County Health Care Services Agency  
Department of Environmental Health  
80 Swan Way, Room 200  
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SUBJECT: Background Data Clarification for Case Closure, Former Chevron Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California 94580.

Dear Ms. Shin:

This letter provides clarification of background information regarding the Chevron U.S.A. Products Company (Chevron) site referenced above (Figures 1 and 2). The purpose of this letter is to provide the Alameda County Health Care Services Agency (ACHCSA) with information so that it can make a recommendation for case closure to the San Francisco Bay Regional Water Quality Control Board (RWQCB). This information was requested by the ACHCSA in a letter to Chevron dated February 22, 1994 (Attachment 1).

### EXCAVATED SOIL

An Environmental Geosciences Engineering (EGE) report dated May 12, 1992, inaccurately estimated that approximately 5,000 cubic yards (yd<sup>3</sup>) were excavated. In December 1990, approximately 504 yd<sup>3</sup> were excavated and stockpiled onsite. An additional 4,700 yd<sup>3</sup> were overexcavated in February 1991 (GeoStrategies Inc. [GSI], September 13, 1991). A total of 5,204 yd<sup>3</sup> of soil were excavated.

*samples collected after this excavation*

Following excavation, four soil samples were collected for approximately every 50 cubic yards of excavated soil, composited in the laboratory, and analyzed as one sample (CS-1 through CS-88, CZ-1, and CSX-16 through CSX-18). Soil samples were collected below the top 6 to 12 inches of stockpiled soil. Laboratory analytical results are presented in Table 1. Upon receipt of the laboratory analytical results, all stockpiled soils with a total





*with 1/2 inch of  
minimum 5 ft  
depth*

petroleum hydrocarbons as gasoline (TPH-G) concentration of greater than 9 milligrams per kilogram (mg/kg) (estimated 2,200 yd<sup>3</sup>) were remediated onsite. All remaining excavated soil (estimated 3,004 yd<sup>3</sup>) was retained onsite for use as backfill material (GSI, September 13, 1991).

Upon completion of remediation of the 2,200 yd<sup>3</sup> of soil referenced above, soil samples were collected from each approximately 20 yd<sup>3</sup> of the remediated soil. If the TPH-G concentration in the stockpiled soil was less than 10 mg/kg, then those soils were retained onsite for use as backfill material. If the TPH-G concentration in the stockpiled soil was greater than 9 mg/kg, it was remediated and resampled. Records do not indicate which specific stockpiles those were and soil volumes cannot be estimated. These activities were performed from June 21 to July 29, 1991. The laboratory analytical results of the soil samples collected during these activities (CS-89 through CS-159) are presented in Table 1 (GSI, September 13, 1991).

*Check?  
Sample  
taken  
9/11/91*

Approximately 220 yd<sup>3</sup> of soil (soil stockpile samples CS-16 through CS-18, and CS-26 [Table 1]) were transported to the Browning Ferris Industries North Vasco Road Disposal Facility in Livermore, California. All remaining stockpiled soils with TPH-G concentrations less than 10 mg/kg (approximately 4,984 yd<sup>3</sup>) were retained onsite for use as backfill material (GSI, September 13, 1991).

*→ Low  
level  
material  
part of soil*

The excavation was backfilled with one foot of 1 1/2-inch drain rock. Filter fabric was placed on top of the drain rock. According to Mr. Rick Henderson of Golden West Environmental Services (personal communication, March 7, 1994), the filter fabric was supplied by Burke Concrete Accessories of Oakland, California. A product data sheet detailing properties of the filter fabric is presented as Attachment 2. EGE inaccurately reported the installation of a compacted clay liner. The stockpiled native soils (gravels, sands, and clays) were used to backfill the excavation (Golden West Environmental Services, December 23, 1991).

*... The chlorine  
apparently was  
compacted to  
perpetrate the  
inaccuracy in  
N. Vukelich's 5/18/91  
correspondence.*

**DEPTH OF EXCAVATION**

The September 13, 1991 GSI report states that, on December 18, 1990, the bottom of the underground storage tank (UST) excavation was at approximately 11.5 feet below grade. GSI also states that 1) overexcavation was continued at the site based on field



observations and the results of screening the soil for organic vapor using a photoionization detector (PID) and 2) overexcavation was continued until PID readings were less than 100 parts per million. The EGE document dated May 12, 1992, states that the former tank complex was excavated to a depth of greater than 11.5 feet, and that soil analytical concentrations collected from the source area indicated nondetectable levels of TPH-G at 14.5 feet. These records indicate that the maximum depth of the overexcavation in the vicinity of the former tank complex was 14.5 feet below grade.

*confirmatory samples?*

### GROUNDWATER DEPTH AND CONTAMINANT TRANSPORT

The ACHCSA has asked for an explanation of the relationship between the groundwater noted in the UST excavation at a depth of approximately 11.5 feet below ground surface (bgs) and the first encountered groundwater noted during the drilling and installation of Monitor Wells C-1 through C-4 during November 1990 at a depth of approximately 17.5 to 19.5 feet bgs.

Monitor Wells C-1 through C-4 are screened from an upper depth ranging from 15 to 17 ft bgs, to a lower depth ranging from 27 ft bgs to 29 ft bgs. As noted above, depth to water during the drilling and installation of these wells was noted at approximately 17.5 to 19 feet bgs. One day after installation, the depth to groundwater in the wells had risen to 11 to 11.5 feet bgs. During quarterly monitoring events, the depth to water in Monitor Wells C-1 through C-4 has ranged from 13.2 to 6.3 ft bgs. These data suggest that either the groundwater in the geologic unit being monitored by the wells occurs under confined or semiconfined conditions, or that first encountered water actually occurs at approximately 11 feet bgs and was not observed by the field geologist during the drilling. With the existing data, the source of the water detected in the tank excavation, or the existence of a water-bearing zone in the 9 to 11.5 feet bgs range, cannot be determined.

Since March 1993, petroleum hydrocarbons have not been detected in any of the monitor wells. Further, petroleum hydrocarbons have not been detected in Monitor Well C-5 (Figure 2). Monitor Well C-5, installed in February 1993 and screened from 5 ft bgs to 20 ft bgs, is located hydraulically downgradient of the former USTs.



Geraghty & Miller appreciates the opportunity to be of service to Chevron. If you have any questions, please do not hesitate to contact the undersigned at (510) 233-3200.

Sincerely,  
GERAGHTY & MILLER, INC.



Darryl B. Snow  
Staff Geologist/Project Manager



Gary W. Keyes, P.E.  
Principal Engineer/Associate  
Richmond, California Office Manager

Enclosures:    References

- |              |  |
|--------------|--|
| Table 1      | Stockpiled Soil Sample Laboratory Analytical Results |
| Figure 1     | Site Location Map                                    |
| Figure 2     | Site Plan  |
| Attachment 1 | Copy of ACHCSA Letter Dated February 22, 1994        |
| Attachment 2 | Filter Fabric Product Data Sheet                     |

xc:    Ms. Nancy Vukelich, Chevron U.S.A. Products Company  
       Mr. Lawrence A. Cogan, Ware & Freidenrich



**REFERENCES**

Environmental Geosciences Engineering. May 12, 1992. Results of Corrective Action and Feasibility Assessment, Former Chevron U.S.A. Products Company Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California.

GeoStrategies Inc. September 13, 1991. Tank Removal Observation Report, Former Chevron U.S.A. Products Company Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California.

Golden West Environmental Services. December 23, 1991. Conclusion of Backfill Soil Operations, Former Chevron U.S.A. Products Company Service Station #9-5630, 997 Grant Avenue, San Lorenzo, California.



**Table 1: Stockpiled Soil Sample Laboratory Analytical Results**  
 Former Chevron Service Station #9-5630  
 997 Grant Avenue, San Lorenzo, California.

Sample Number	Sample Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total Oil and Grease (mg/kg)	Organic Lead (mg/kg)
CS-29	20-Feb-91	10	<.005	0.023	0.037	0.049	--	--
CS-30	20-Feb-91	11	<.005	0.019	0.012	0.037	--	--
CS-31	20-Feb-91	2	<.005	0.005	0.005	0.021	--	--
CS-32	20-Feb-91	7	<.005	0.017	0.019	0.053	--	--
CS-33	20-Feb-91	15	<.005	0.025	0.028	0.078	--	--
CS-34	20-Feb-91	43	<.005	0.064	0.039	1.400	--	--
CS-35	20-Feb-91	32	<.005	0.030	0.035	0.086	--	--
CS-36	21-Feb-91	27	<.005	0.054	0.110	0.660	--	--
CS-37	21-Feb-91	12	<.005	0.023	0.022	0.063	--	--
CS-38	21-Feb-91	<1	<.005	<.005	<.005	0.005	--	--
CS-39	21-Feb-91	2	<.005	<.005	<.005	0.009	--	--
CS-40	21-Feb-91	1	<.005	<.005	<.005	0.011	--	--
CS-41	21-Feb-91	<1	<.005	<.005	<.005	0.005	--	--
CS-42	21-Feb-91	5	<.005	0.009	0.006	0.017	--	--
CS-43	21-Feb-91	12	<.005	0.029	0.012	0.065	--	--
CS-44	21-Feb-91	26	0.018	0.140	0.067	0.960	--	--
CS-45	21-Feb-91	44	<.005	0.099	0.130	0.680	--	--
CS-46	21-Feb-91	19	<.005	0.040	0.055	0.190	--	--
CS-47	21-Feb-91	36	<.005	0.059	0.062	0.280	--	--
CS-48	21-Feb-91	10	<.038	0.350	2.000	17.000	--	--
CS-49	21-Feb-91	60	<.005	0.070	0.049	0.190	--	--
CS-50	21-Feb-91	9	<.005	0.026	0.012	0.033	--	--
CS-51	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-52	26-Feb-91	<1	<.005	<.005	<.005	0.006	--	--
CS-53	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-54	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-55	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-56	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-57	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--



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 Former Chevron Service Station #9-5630  
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Sample Number	Sample Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total Oil and Grease (mg/kg)	Organic Lead (mg/kg)
CS-58	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-59	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-60	26-Feb-91	<1	<.005	0.006	<.005	<.005	--	--
CS-61	26-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-62	27-Feb-91	3	<.005	0.006	<.005	<.005	--	--
CS-63	27-Feb-91	2	<.005	<.005	<.005	<.005	--	--
CS-64	27-Feb-91	8	<.005	0.022	<.005	<.005	--	--
CS-65	28-Feb-91	6	<.005	0.030	<.005	<.005	--	--
CS-66	28-Feb-91	2	<.005	0.011	<.005	0.007	--	--
CS-67	28-Feb-91	130	<.030	0.088	0.580	3.000	--	--
CS-68	28-Feb-91	1	<.005	0.006	<.005	<.005	--	--
CS-69	28-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-70	28-Feb-91	<1	<.005	<.005	<.005	<.005	--	--
CS-71	7-Mar-91	10	<.005	0.019	0.008	0.160	--	--
CS-72	7-Mar-91	16	<.005	0.059	<.005	0.026	--	--
CS-73	7-Mar-91	130	<.030	<.030	0.041	1.100	--	--
CS-74	7-Mar-91	6	<.005	0.018	<.005	0.039	--	--
CS-75	7-Mar-91	85	<.030	0.100	<.030	0.130	--	--
CS-76	8-Mar-91	39	<.005	0.063	0.033	0.270	--	--
CS-77	8-Mar-91	300	<.300	1.200	12.000	74.000	--	--
CS-78	8-Mar-91	27	<.005	0.026	0.052	0.280	--	--
CS-79	8-Mar-91	8	<.005	0.041	0.006	0.042	--	--
CS-80	8-Mar-91	13	<.005	0.054	<.005	0.035	--	--
CS-81	8-Mar-91	7	<.005	0.049	<.005	0.028	--	--
CS-82	8-Mar-91	5	<.005	0.170	0.037	0.210	--	--
CS-83	8-Mar-91	2	<.005	12.000	<.005	0.011	--	--
CS-84	8-Mar-91	4	<.005	0.025	<.005	0.023	--	--
CS-85	8-Mar-91	2	<.005	0.015	<.005	0.011	--	--
CS-86	8-Mar-91	3	<.005	0.037	0.009	0.029	--	--

Project No. RC0256.001



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 997 Grant Avenue, San Lorenzo, California.

Sample Number	Sample Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total Oil and Grease (mg/kg)	Organic Lead (mg/kg)
CS-87	8-Mar-91	2	<.005	0.018	0.006	0.056	--	--
CS-88	8-Mar-91	<1	<.005	<.005	<.005	<.005	--	--
CZ-1	10-Jan-91	--	--	--	--	--	--	<2
CSX-16	5-Mar-91	--	--	--	--	--	--	--
CSX-17	5-Mar-91	--	--	--	--	--	--	--
CSX-18	5-Mar-91	--	--	--	--	--	--	--
CS-89	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-90	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-91	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-92	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-93	21-Jun-91	14	0.005	0.024	0.02	0.013	--	--
CS-94	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-95	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-96	21-Jun-91	<1	<.005	<.005	<.005	<.005	--	--
CS-97	21-Jun-91	2	<.005	0.006	<.005	<.005	--	--
CS-98	21-Jun-91	1	<.005	<.005	<.005	<.005	--	--
CS-99	18-Jul-91	<1	<.005	0.010	<.005	0.006	--	--
CS-100	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-101	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-102	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-103	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-104	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-105	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-106	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-107	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-108	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-109	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-110	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-111	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--

Project No. RC0256.001



**Table 1: Stockpiled Soil Sample Laboratory Analytical Results**  
 Former Chevron Service Station #9-5630  
 997 Grant Avenue, San Lorenzo, California.

Sample Number	Sample Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total Oil and Grease (mg/kg)	Organic Lead (mg/kg)
CS-112	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-113	18-Jul-91	<1	<.005	0.007	<.005	<.005	--	--
CS-114	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-115	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-116	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-117	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-118	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-119	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-120	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-121	18-Jul-91	9	<.005	0.036	0.023	0.040	--	--
CS-122	18-Jul-91	2	<.005	0.011	0.006	0.010	--	--
CS-123	18-Jul-91	11	<.005	0.059	0.030	0.062	--	--
CS-124	18-Jul-91	2	<.005	<.005	<.005	0.009	--	--
CS-125	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-126	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-127	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-128	18-Jul-91	<1	<.005	0.011	<.005	0.011	--	--
CS-129	18-Jul-91	4	<.005	0.027	0.013	0.030	--	--
CS-130	18-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-131	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-132	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-133	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-134	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-135	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-136	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-137	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-138	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-139	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-140	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--





**Table 1: Stockpiled Soil Sample Laboratory Analytical Results**  
 Former Chevron Service Station #9-5630  
 997 Grant Avenue, San Lorenzo, California.

Sample Number	Sample Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total Oil and Grease (mg/kg)	Organic Lead (mg/kg)
CS-141	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-142	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-143	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-144	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-145	29-Jul-91	2	<.005	<.005	<.005	0.013	--	--
CS-146	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-147	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-148	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-149	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-150	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-151	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-152	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-153	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-154	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-155	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-156	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-157	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-158	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--
CS-159	29-Jul-91	<1	<.005	<.005	<.005	<.005	--	--

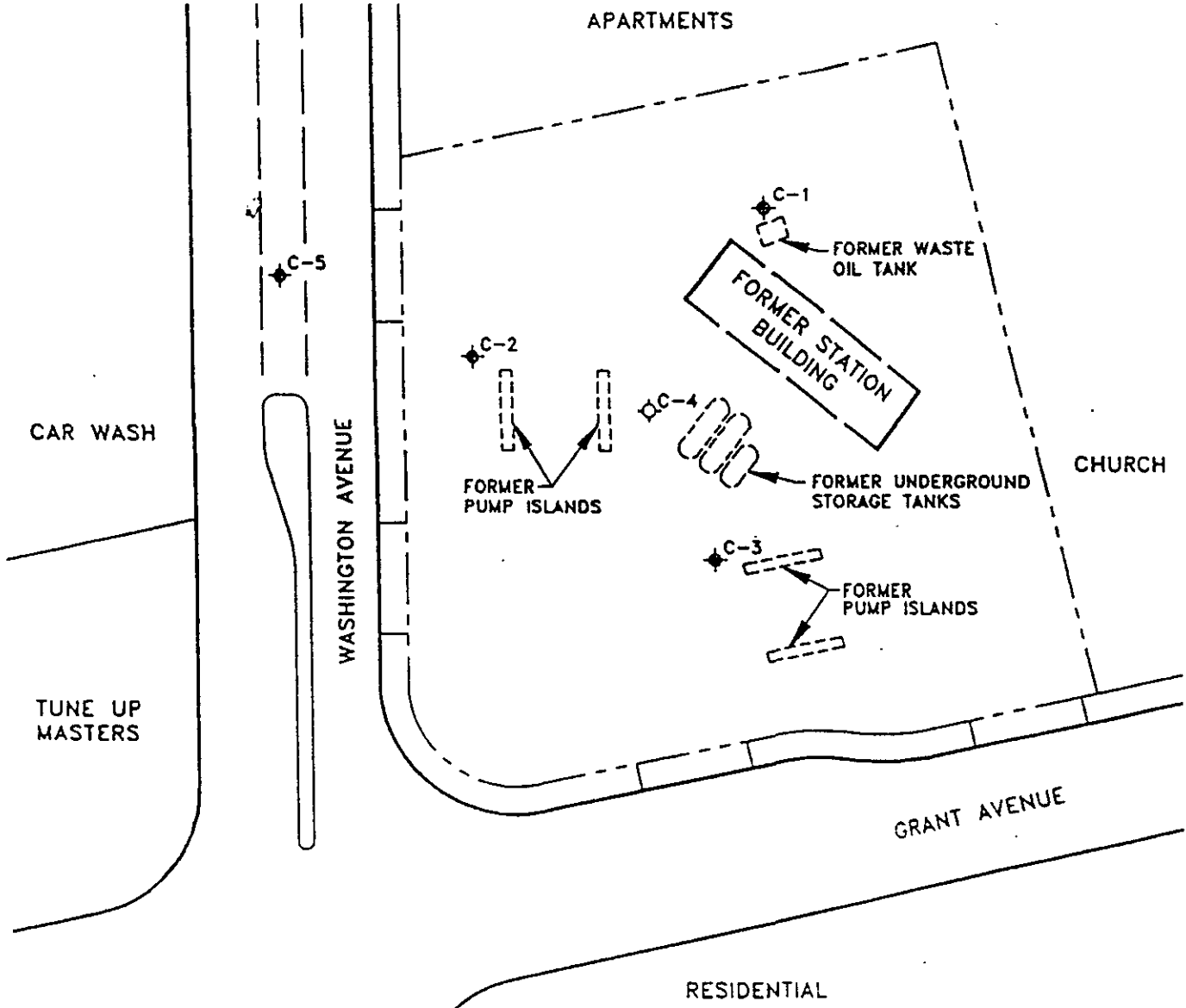
TPH-G Total petroleum hydrocarbons as gasoline  
 mg/kg Milligrams per kilogram  
 < Below detection limit  
 -- Not analyzed for this compound

All data provided by GeoStrategies Inc. (Tank Removal Observation Report, September 13, 1991).



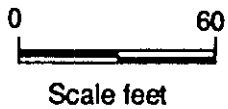


APARTMENTS



**EXPLANATION**

- ◆ MONITORING WELL
- ◇ DESTROYED WELL



Reference: Groundwater Technology



Project No. RC0256.000

**SITE PLAN**  
Former Chevron Service Station #9-5630  
997 Grant Avenue  
San Lorenzo, California

**FIGURE  
2**

**ATTACHMENT 1**

**COPY OF ACHCSA LETTER DATED FEBRUARY 22, 1994**