

R0454

CAMBRIA



To: Barney Chan

Company: ACHCSA

Address: 1131 Harbor Bay Parkway, Suite 250

Phone: 510-567-6765

Fax: 510-337-9335

From: Sarah Owen

Phone: 510-420-3350

Date: 4/17/04

Re: 800 Center Street, Oakland

Transmittal

Dear Mr. Chan:

This transmittal includes pertinent soil sample data and sample location maps that we used in order to determine the locations of our proposed soil borings. It also includes rough soil concentration contour maps drawn by Cambria.

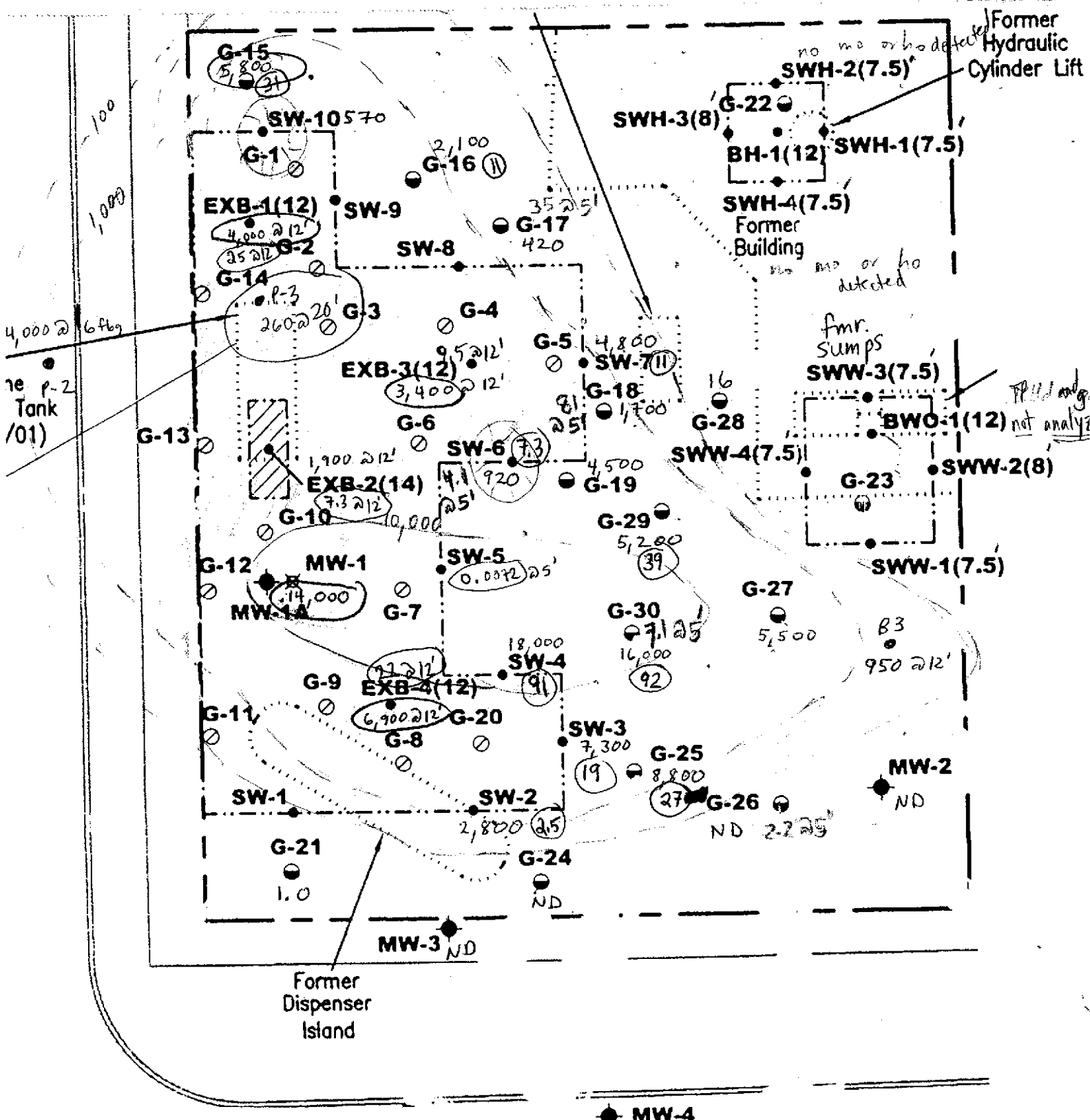
The proposed soil boring locations were chosen in order to thoroughly characterize the soil at the northern and eastern ends of the property, to confirm concentrations near the previously excavated areas with the highest concentrations, and to achieve vertical definition at the site.

If you have any other questions or comments regarding this workplan, please call Bob Foss (510) 420-3348 or me (510) 420-3350.

Sincerely,
Cambria Environmental Technology, Inc.

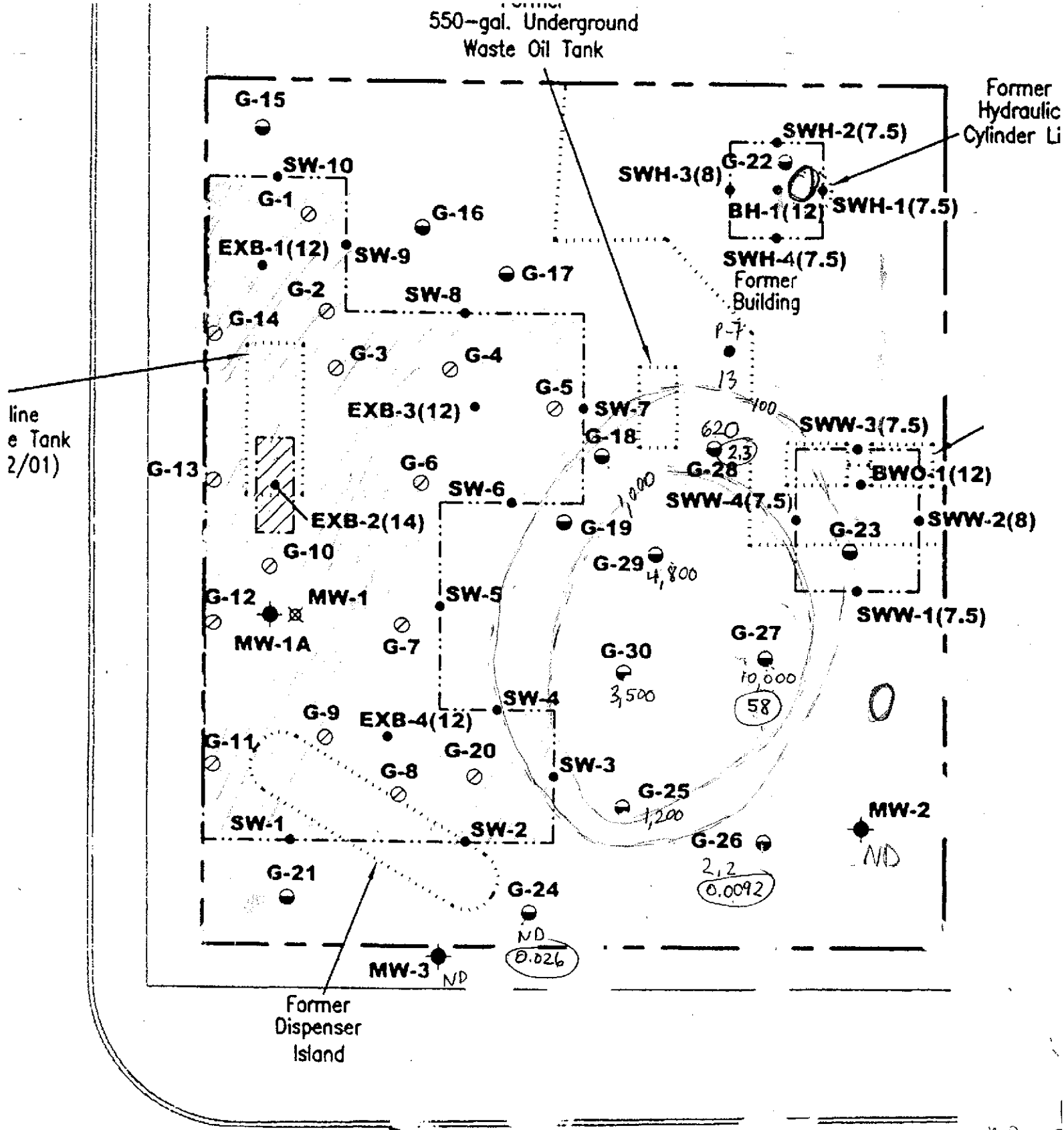
Sarah Owen
 Sarah Owen
 Staff Geologist

RECEIVED
 APR 20 2004
 ADDRESS SERVICE



TPHg concentrations at 10' & 12'

(31) = highest benzene conc. in boring



TPHg concentrations at 15 fbg.

highest benzene conc. in 15 fbg.

0.025 = highest benzene conc. in boring

TABLE 1
Analytical Results of Soil Samples
 (Results expressed as milligrams per kilogram)

Former Signal Service Station No. S0800
 800 Center Street
 Oakland, California

Date	Sample ID	Sample Depth (ft) ^a	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g ^b
10-17-95	MW-1-5	5	0.091	0.49	0.14	1.9	11
10-17-95	MW-1-10	10	120	800	270	1,300	14,000
10-17-95	MW-2-5	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	MW-2-10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	MW-3-5	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	MW-3-10	10	0.24	0.010	0.016	0.019	<1.0
10-18-95	MW-4-5	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-18-95	MW-4-10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	SB-1-5	5	0.34	1.2	1.2	1.3	87
10-17-95	SB-1-10	10	72	640	240	1,100	8,100
10-17-95	SB-2-5	5	0.19	4.8	5.1	26	240
10-17-95	SB-2-10	10	28	440	150	630	4,700
10-18-95	SB-3-5	5	<0.0050	0.019	0.0087	0.049	<1.0
10-18-95	SB-3-10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-18-95	COMP	N/A	0.036	1.5	0.75	3.2	13

excavated

^a feet below surface grade
^b total petroleum hydrocarbons as gasoline

LABORATORY NUMBER: 18154
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 272.012
 JOB LOCATION: CENTER STREET

DATE RECEIVED: 08/30/89
 DATE ANALYZED: 09/11/89
 DATE REPORTED: 09/13/89
 PAGE 3 OF 14

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
18154-4	BORING 1 @ 10	2,100	50	220	46	240
18154-5	BORING 1 @ 15	2,400	32	200	60	290
18154-6	BORING 2 @ 7	4,100	50	450	130	540
18154-7	BORING 2 @ 11.5	31,000	500	2,800	760	3,700
18154-8	BORING 3 @ 10.5	100	ND(1)	2	2	7
18154-9	BORING 3 @ 12.5	950	ND(5)	44	32	130
18154-11	BORING 4 @ 7.5	5,400	57	250	140	610
18154-12	BORING 4 @ 10.5	5,800	92	360	1,100	670

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	96

WETA May 13, 2005
 "SBs & Well Install"

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

5

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHd (ppm)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)
Geoprobe Soil Samples									
G-24(5)	1/29/2003	5	52	<1.0	<0.0050	0.012	<0.0050	<0.015	<0.050
G-24(10)	1/29/2003	10	<10	<1.0	0.0074	0.014	<0.0050	<0.015	<0.050
G-24(15)	1/29/2003	15	<10	<1.0	0.026	0.012	0.0096	<0.015	<0.050
G-25(5)	1/29/2003	5	53	<1.0	<0.0050	0.0095	<0.0050	<0.015	<0.050
G-25(10)	1/29/2003	10	1,400	8,800	27	560	290	1,200	<53 ¹
G-25(15)	1/29/2003	15	350	1,200	8.5	90	35	140	16
G-26(5)	1/29/2003	5	<10	2.2	<0.0050	0.020	0.0076	0.036	<0.050
G-26(10)	1/29/2003	10	<10	<1.0	<0.0050	0.0092	<0.0050	<0.015	<0.050
G-26(15)	1/29/2003	15	<10	2.2	0.0092	<0.020	0.019	0.031	<0.050
G-27(5)	1/29/2003	5	<10	<1.0	<0.0050	0.020	<0.0050	0.018	<0.050
G-27(10)	1/29/2003	10	1,600	5,500	13	250	180	700	20
G-27(15)	1/29/2003	15	170	10,000	58	790	350	1,300	94
G-28(5)	1/29/2003	5	<10	<1.0	0.0054	0.030	0.0063	0.026	<0.050
G-28(10)	1/29/2003	10	<10	16	0.027	0.096	0.056	0.28	<0.050
G-28(15)	1/29/2003	15	<10	620	2.3	34	17	71	<10
G-29(5)	1/29/2003	5	<10	<1.0	<0.0050	0.021	0.0057	0.021	<0.050
G-29(10)	1/29/2003	10	410	5,200	39	380	160	640	95
G-29(15)	1/29/2003	15	1,100	4,800	14	290	170	670	18

ANALYTICAL METHOD:

TPHg and TPHd = Total Petroleum Hydrocarbons as gasoline and diesel by California Luft /EPA Method 8015B modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021B

MtBE = Methyl tert-butyl ether by EPA Method 8021B

¹ = Due to the presence of an interferent near its retention time, the normal reporting limit was not attained.

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHd (ppm)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)
<u>Geoprobe Soil Samples</u>									
G-30(5)	1/29/2003	5	<10	7.1	0.014	0.25	0.14	0.70	<0.050
G-30(10)	1/29/2003	10	1,600	16,000	92	1,000	480	1,900	150
G-30(15)	1/29/2003	15	500	3,500	27	210	85	370	<10
<u>Monitoring Well Soil Sample</u>									
MW-1A(16)	1/29/2003	16	<10	<1.0	0.013	0.033	0.0087	0.027	<0.050

ANALYTICAL METHOD:

TPHg and TPHd = Total Petroleum Hydrocarbons as gasoline and diesel by California Luft /EPA Method 8015B modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021B

MtBE = Methyl tert-butyl ether by EPA Method 8021B

¹ = Due to the presence of an interferent near its retention time, the normal reporting limit was not attained.**EXPLANATION:**

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 2 - SOIL PHYSICAL PARAMETERS

Former Chevron Service Station #
 800 Center Street
 Oakland, California

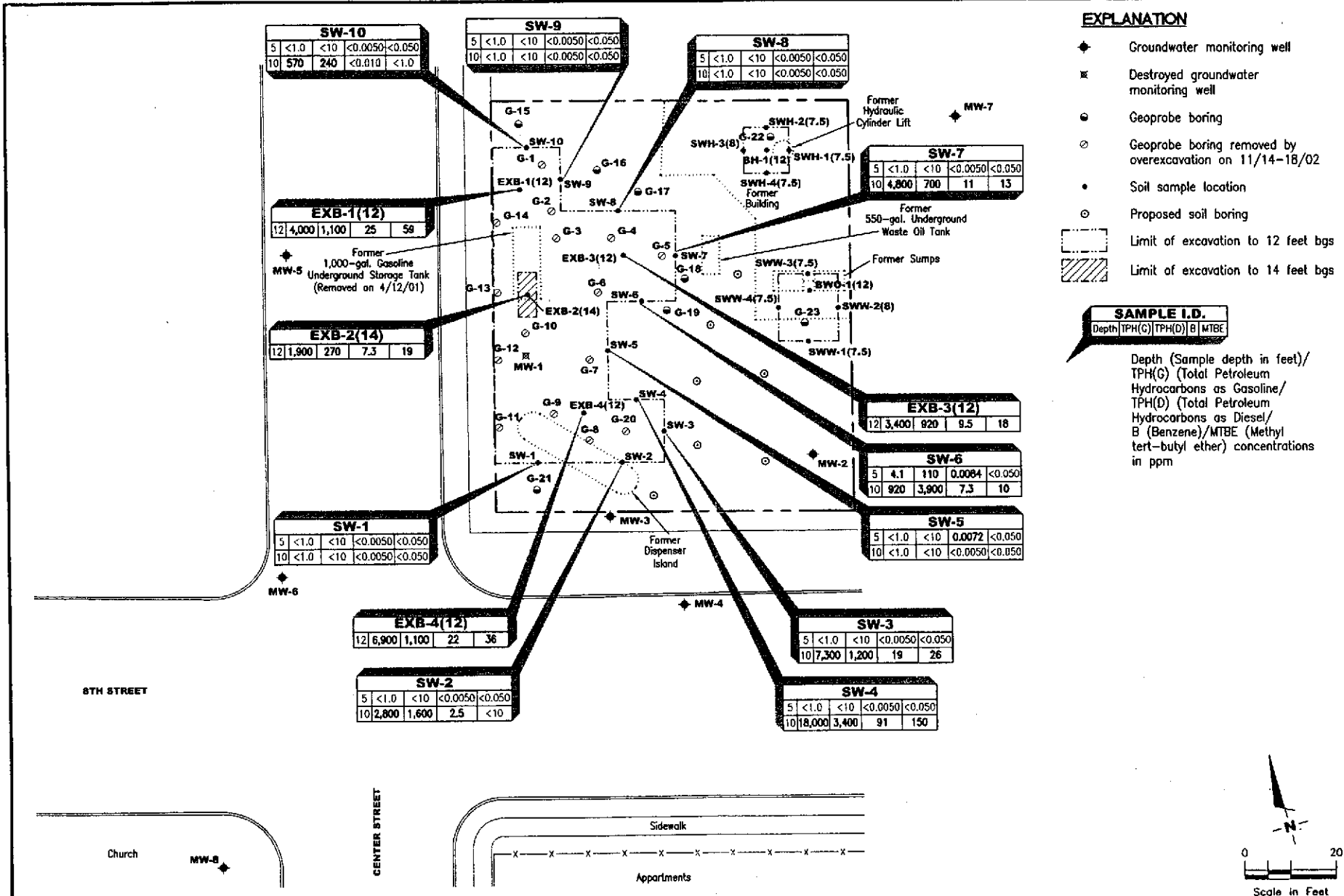
Sample No.	Sample Date	Sample Depth (in feet)	Moisture Content %	Porosity	Soil pH	Grain Size	
						Sand %	Fine %
G-24(8)	1/29/2003	8	15.75	34.10	7.82	64.77	34.82
G-27(14)	1/29/2003	14	18.74	32.97	7.07	69.06	30.92

EXPLANATION:

lbs/cu ft = Pounds Per Cubic Foot
 gm/cc = Grams per cubic centimeter
 TOC = Total Organic Carbon
 cm/sec = Centimeter per second
 ppm = parts per million

ANALYTICAL METHOD:

Moisture Content American Society of Testing And Materials (ASTM) Method D 2216
 Porosity by ASTM D 3152/ D 2325
 Bulk Density by ASTM Method D 2937
 Soil pH by Environmental Protection Agency (EPA) Method 9045
 Grain Size by ASTM D 2419/ D 422
 TOC = Total Organic Carbon by Walkley Black
 Permeability by ASTM Method D 5084



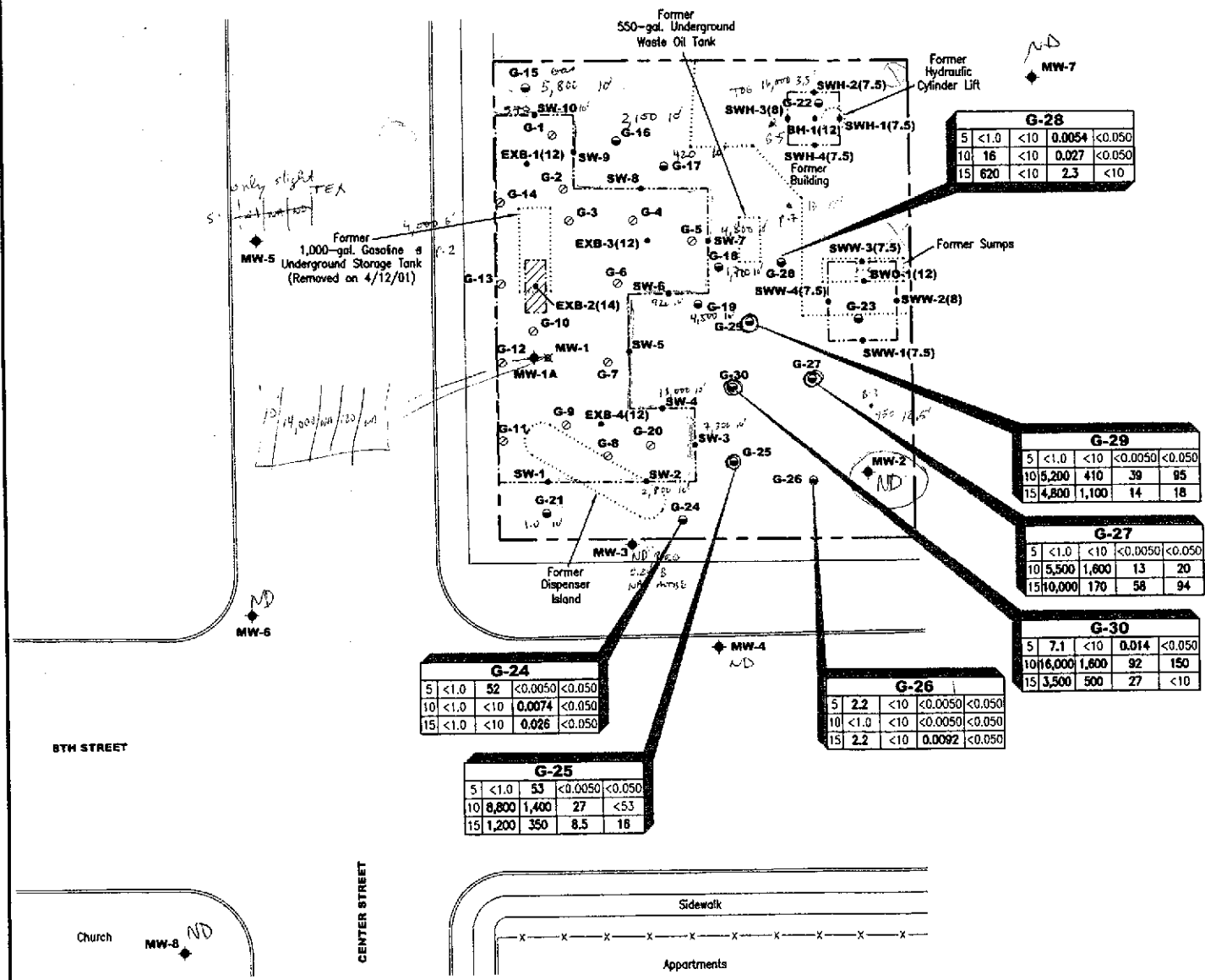
Source: Figure modified from drawing provided by RRM engineering, construction firm and Gettler-Ryan field observation.

EXPLANATION

- ◆ Groundwater monitoring well
- ✖ Destroyed groundwater monitoring well
- Geoprobe boring
- Geoprobe boring removed by overexcavation on 11/14-18/02
- Soil sample location
- ▭ Limit of excavation to 12 feet bgs
- ▨ Limit of excavation to 14 feet bgs

SAMPLE I.D.
Depth | TPH(G) | TPH(D) | B | MTBE

Depth (Sample depth in feet)/
TPH(G) (Total Petroleum Hydrocarbons as Gasoline/TPH(D) (Total Petroleum Hydrocarbons as Diesel/B (Benzene)/MTBE (Methyl tert-butyl ether) concentrations in ppm



G-24

5	<1.0	52	<0.0050	<0.050
10	<1.0	<10	0.0074	<0.050
15	<1.0	<10	0.026	<0.050

G-25

5	<1.0	53	<0.0050	<0.050
10	8,800	1,400	27	<53
15	1,200	350	8.5	18

G-26

5	2.2	<10	<0.0050	<0.050
10	<1.0	<10	<0.0050	<0.050
15	2.2	<10	0.0092	<0.050

G-27

5	<1.0	<10	<0.0050	<0.050
10	5,500	1,600	13	20
15	10,000	170	58	94

G-30

5	7.1	<10	0.014	<0.050
10	6,000	1,600	92	150
15	3,500	500	27	<10

G-28

5	<1.0	<10	0.0054	<0.050
10	16	<10	0.027	<0.050
15	620	<10	2.3	<10

G-29

5	<1.0	<10	<0.0050	<0.050
10	5,200	410	39	85
15	4,800	1,100	14	18

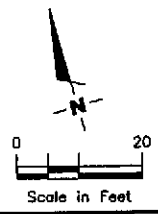
CONCENTRATION MAP
Former Chevron (Signal Oil) Service Station #20-6145
800 Center Street
Oakland, California

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dubai, CA 94568
(925) 501-7555

PROJECT NUMBER
DG2614514CT1

DATE
January 29, 2003

REVISION DATE



Source: Figure modified from drawings provided by RBM engineering contracting firm and Gettler-Ryan field observation.

TABLE 1 - PRE-OVER-EXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
G-1(5)	6/21/2002	5	3,000	0.95	46	52	240	<5.0	4.7
G-1(10)	6/21/2002	10	12,000	31	660	290	1,100	76	15.6
G-2(5)	6/21/2002	5	2,700	2.8	84	77	310	5.5	7.1
G-2(10)	6/21/2002	10	3,800	7.5	200	120	500	11	8.7
G-3(5)	6/21/2002	5	<1.0	0.0059	0.049	0.016	0.057	<0.050	5.8
G-3(10)	6/21/2002	10	7,700	19	520	290	1,100	63	5.9
G-4(5)	6/21/2002	5	<1.0	<0.0050	0.021	0.0056	0.027	<0.050	2.7
G-4(10)	6/21/2002	10	3,300	3.5	140	120	480	6.2	7.4
G-5(5)	6/21/2002	5	7.1	<0.0050	0.041	0.022	0.064	<0.050	4.3
G-5(10)	6/21/2002	10	45	0.062	0.58	0.62	2.4	0.094	9.7
G-6(5)	6/21/2002	5	<1.0	<0.0050	0.0069	0.0054	0.022	<0.050	3.5
G-6(10)	6/21/2002	10	6,300	19	360	190	900	28	9.2
G-7(5)	6/21/2002	5	<1.0	0.0057	0.045	0.012	0.046	<0.050	3.0
G-7(10)	6/21/2002	10	7,300	18	420	250	1,100	28	15.6
G-8(5)	6/21/2002	5	7,100	8.4	280	210	960	<20	5.6
G-8(10)	6/21/2002	10	16,000	69	1,100	470	1,900	150	12.3
G-9(5)	6/21/2002	5	3,700	1.9	54	57	350	<5.0	17.7
G-9(10)	6/21/2002	10	19,000	83	1,200	520	2,200	150	17.0
G-10(5)	6/21/2002	5	<1.0	0.014	0.073	0.012	0.052	<0.050	2.6
G-10(10)	6/21/2002	10	2,100	1.4	32	52	270	<1.0	7.3
G-11(5)	6/21/2002	5	<1.0	<0.0050	0.035	0.019	0.084	<0.050	5.2
G-11(10)	6/21/2002	10	100	<0.080	0.43	0.53	3.1	<0.20	5.5
G-12(5)	6/21/2002	5	<1.0	<0.0050	0.034	0.010	0.057	<0.050	16.1
G-12(10)	6/21/2002	10	9,000	50	540	240	1,200	58	7.0
G-13(5)	6/21/2002	5	<1.0	<0.0050	0.0062	<0.0050	0.019	<0.050	7.5
G-13(10)	6/21/2002	10	12,000	56	600	290	1,400	70	6.2
G-14(5)	6/21/2002	5	3,900	<20	190	120	510	19	5.2
G-14(10)	6/21/2002	10	14,000	65	940	400	1,700	170	11.9

10

*Delta Jan 23, 2003
Well Destruction over-Exc & Seal
Sampling Opt*

*Alameda County
APR 21 2004
Environmental Health*

*Soil Boring
G-14 only 3/1/2002*

TABLE 1 - PRE-OVER-EXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
G-15(5)	6/21/2002	5	<1.0	<0.0050	0.020	<0.0050	0.017	<0.050	22.5
G-15(10)	6/21/2002	10	5,800	12	320	110	450	31	6.5
G-16(5)	6/21/2002	5	<1.0	<0.0050	0.015	<0.0050	<0.015	<0.050	2.4
G-16(10)	6/21/2002	10	2,100	5.1	110	52	230	11	6.5
G-17(5)	6/21/2002	5	35	0.082	0.78	0.54	1.2	0.22	368
G-17(10)	6/21/2002	10	420	0.62	9.2	9.9	41	<5.0	5.7
G-18(5)	6/21/2002	5	81	0.11	1.1	0.76	2.6	<0.20	3.7
G-18(10)	6/21/2002	10	1,700	4.9	68	51	220	<5.0	5.0
G-19(5)	6/21/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	2.6
G-19(10)	6/21/2002	10	4,500	20	230	110	450	<5.0	5.8
G-20(5)	6/21/2002	5	1,700	3.2	31	30	140	<5.0	4.3
G-20(10)	6/21/2002	10	6,900	26	360	200	860	<20	5.1
G-21(5)	6/21/2002	5	<1.0	<0.0050	0.016	<0.0050	0.016	<0.050	4.2
G-21(10)	6/21/2002	10	1.0	0.0091	0.18	0.055	0.23	<0.050	44.0

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 modified
 Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021
 MTBE = Methyl tert-butyl ether by EPA Method 8021
 Total Lead By EPA Method 6010B

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 2 - PRE-OVER-EXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145
800 Center Street
Oakland, California

Sample No.	Sample Date	Sample Depth (in feet)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	TPHg (ppm)	TPHd (ppm)	TPHho (ppm)	TOG (ppm)	MTBE (ppm)
G-22(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	0.063	0.47	0.28	2.0	---	---	8,200	---	<0.50
G-23(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	<0.0050	0.012	<0.0050	0.017	<1.0	<10	---	310	<0.050

EXPLANATION:

ppm = parts per million

--- = not analyzed

¹ = Composite Sample

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

Benzene, Toluene, Ethylbenzene, and Total Xylenes according to EPA Method 8021

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015M

TPHd = Total Petroleum Hydrocarbons as diesel according to EPA Method 8015M

TPHho = Total Petroleum Hydrocarbons as hydraulic oil according to EPA Method 8015M

TOG = Total Oil and Grease by EPA Method 8260

MTBE = Methyl tert-butyl ether By EPA Method 8021

TABLE 3 - PRE OVEREXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depths (in feet)	SVOC (ppm)	HVOC (ppm)	Lead ² (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
G-22(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	---	---	4.5	<0.091	37.8	87.1	27.8	52.4
G-23(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	<0.033 - <0.17	<0.0010 - <0.0020	---	<0.088	41.00	6.70	36.10	23.2

EXPLANATION:

ppm = parts per million

--- = not analyzed

¹ = Composite Sample

² = STLC (soluble threshold limit concentration)

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

SVOC = Semi Volatile Organic Compounds By EPA Method 8270

HVOC = Halogenated Volatile Organic Compounds By EPA Method 8260

Cadmium, Chromium, Lead, Nickel, Zinc By EPA Method 6010B

TABLE 4 - POST-OVER-EXCAVATION SOIL- SAMPLE CHEMICAL ANALYTICAL DATA - DISPENSER ISLAND AND GASOLINE UST AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
SAMPLES FROM SIDEWALLS OF OVEREXCAVATION									
SW-1(5)	11/15/2002	5	<1.0	<10	<0.0050	0.0073	<0.0050	0.017	<0.050
SW-1(10)	11/15/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-2(5)	11/18/2002	5	<1.0	<10	<0.0050	0.0088	<0.0050	<0.015	<0.050
SW-2(10)	11/18/2002	10	2,800	1,600	2.5	75	52	250	<10
SW-3(5)	11/18/2002	5	<1.0	<10	<0.0050	0.0089	<0.0050	0.021	<0.050
SW-3(10)	11/18/2002	10	7,300	1,200	19	330	170	650	26
SW-4(5)	11/18/2002	5	<1.0	<10	<0.0050	0.0081	<0.0050	<0.015	<0.050
SW-4(10)	11/18/2002	10	18,000	3,400	91	1,200	440	1,900	150
SW-5(5)	11/16/2002	5	<1.0	<10	0.0072	0.039	0.0057	0.022	<0.050
SW-5(10)	11/16/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-6(5)	11/16/2002	5	4.1	110	0.0084	0.15	0.079	0.41	<0.050
SW-6(10)	11/16/2002	10	3,900	920	7.3	140	110	450	10
SW-7(5)	11/15/2002	5	<1.0	<10	<0.0050	0.011	<0.0050	<0.015	<0.050
SW-7(10)	11/15/2002	10	4,800	700	11	250	130	540	13
SW-8(5)	11/15/2002	5	<1.0	<10	<0.0050	0.016	<0.0050	<0.015	<0.050
SW-8(10)	11/15/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-9(5)	11/15/2002	5	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-9(10)	11/15/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-10(5)	11/15/2002	5	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-10(10)	11/15/2002	10	570	240	<0.10	0.66	3.7	21	<1.0

TABLE 4 - POST-OVER-EXCAVATION SOIL- SAMPLE CHEMICAL ANALYTICAL DATA - DISPENSER ISLAND AND GASOLINE UST AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
<u>SAMPLES FROM BASE OF OVEREXCAVATION</u>									
EXB-1(12)	11/14/2002	12	4,000	1,100	25	230	87	380	59
EXB-2(14)	11/15/2002	14	1,900	270	7.3	71	42	200	19
EXB-3(12)	11/16/2002	12	3,400	920	9.5	170	86	370	18
EXB-4(12)	11/16/2002	12	6,900	1,100	22	310	150	640	36

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by Luft Method
 TPHd = Total Petroleum Hydrocarbons as diesel by Luft Method
 Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021B
 MTBE = Methyl tert-butyl ether by EPA Method 8021B

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 5 - POST-OVER-EXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA - HYDRAULIC CYLINDER LIFT AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (feet)	TPHmo (ppm)	TPHho (ppm)
SWH-1(7.5)	11/16/2002	7.5	<10	<10
SWH-2(7.5)	11/16/2002	7.5	<10	<10
SWH-3(8)	11/16/2002	8	<10	<10
SWH-4(7.5)	11/16/2002	7.5	<10	<10
<u>SAMPLE FROM BASE OF OVEREXCAVATION</u>				
BH-1(12)	11/16/2002	12	<10	<10

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

TPHmo = Total Petroleum Hydrocarbons as Motor Oil EPA Method 8015B modified

TPHho = Total Petroleum Hydrocarbons as hydraulic oil according to EPA Method 8015B modified

PRE OVER EX

FIGURE 3

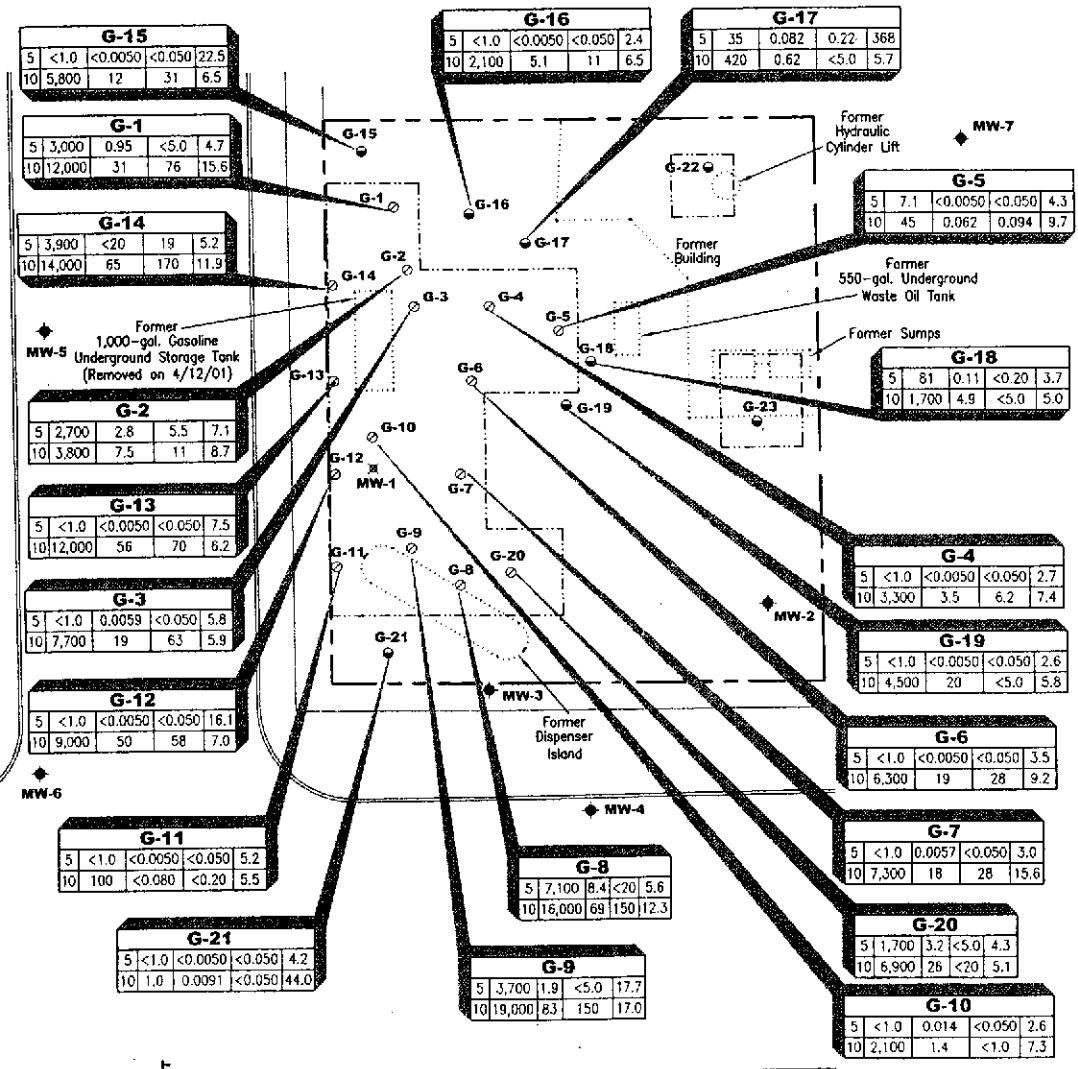
EXPLANATION

- ◆ Groundwater monitoring well
- Geoprobe boring
- ⊗ Geoprobe boring removed by overexcavation on 11/14-18/02
- Limit of excavation

BORING I.D.

Depth | TPH(G) | B | MTBE | TPB

Depth (Sample depth in feet)
 TPH(G) (Total Petroleum Hydrocarbons as Gasoline/
 B (Benzene)/MTBE (Methyl tert-butyl ether)/ TPB (Total Lead) concentrations in ppm



G-15

5	<1.0	<0.0050	<0.050	22.5
10	5,800	12	31	6.5

G-16

5	<1.0	<0.0050	<0.050	2.4
10	2,100	5.1	11	6.5

G-17

5	35	0.082	0.22	368
10	420	0.62	<5.0	5.7

G-1

5	3,000	0.95	<5.0	4.7
10	12,000	31	76	15.8

G-5

5	7.1	<0.0050	<0.050	4.3
10	45	0.062	0.094	9.7

G-14

5	3,900	<20	19	5.2
10	14,000	65	170	11.9

G-18

5	81	0.11	<0.20	3.7
10	1,700	4.9	<5.0	5.0

G-2

5	2,700	2.8	5.5	7.1
10	3,800	7.5	11	8.7

G-4

5	<1.0	<0.0050	<0.050	2.7
10	3,300	3.5	6.2	7.4

G-13

5	<1.0	<0.0050	<0.050	7.5
10	12,000	56	70	8.2

G-19

5	<1.0	<0.0050	<0.050	2.6
10	4,500	20	<5.0	5.8

G-3

5	<1.0	0.0058	<0.050	5.8
10	7,700	19	63	5.9

G-6

5	<1.0	<0.0050	<0.050	3.5
10	6,300	19	28	9.2

G-12

5	<1.0	<0.0050	<0.050	16.1
10	9,000	50	58	7.0

G-7

5	<1.0	0.0057	<0.050	3.0
10	7,300	18	28	15.6

G-11

5	<1.0	<0.0050	<0.050	5.2
10	100	<0.080	<0.20	5.5

G-20

5	1,700	3.2	<5.0	4.3
10	6,900	26	<20	5.1

G-8

5	7,100	8.4	<20	5.6
10	16,000	69	150	12.3

G-10

5	<1.0	0.014	<0.050	2.6
10	2,100	1.4	<1.0	7.3

G-21

5	<1.0	<0.0050	<0.050	4.2
10	1.0	0.0091	<0.050	44.0

G-9

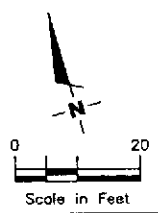
5	3,700	1.9	<5.0	17.7
10	19,000	83	150	17.0

8TH STREET

CENTER STREET

Church

Appartments



Source: Figures modified from drawing provided by BRM engineering contracting firm and Gettler-Ryan field observation.

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PRE-OVER-EXCAVATED SOIL SAMPLE CONCENTRATION MAP
 Former Chevron (Signal Oil) Service Station No. 20-6145
 800 Center Street
 Oakland, California

PROJECT NUMBER: DG261451.SCO1
 REVIEWED BY: [Signature]
 DATE: June 21, 2002
 REVISION DATE: [Blank]

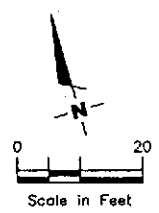
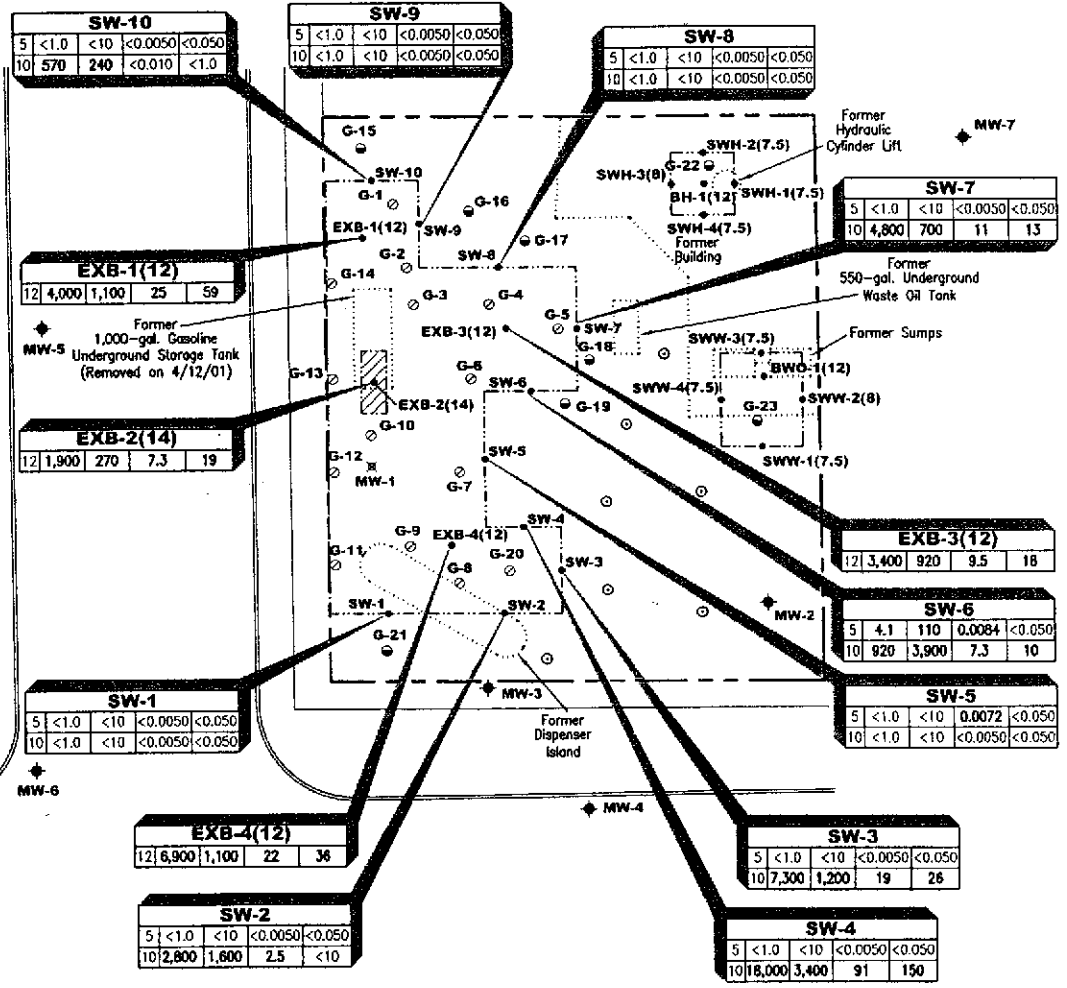
EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Destroyed groundwater monitoring well
- Geoprobe boring
- Geoprobe boring removed by overexcavation on 11/14-18/02
- Soil sample location
- Proposed soil boring
- ▭ Limit of excavation to 12 feet bgs
- ▨ Limit of excavation to 14 feet bgs

SAMPLE I.D.

Depth | TPH(G) | TPH(D) | B | MTBE

Depth (Sample depth in feet)/
 TPH(G) (Total Petroleum
 Hydrocarbons as Gasoline/
 TPH(D) (Total Petroleum
 Hydrocarbons as Diesel/
 B (Benzene)/MTBE (Methyl
 tert-butyl ether) concentrations
 in ppm



8TH STREET

CENTER STREET

Appartments

Church

Source: Figure modified from drawing provided by RRM engineering contracting firm and Gettler-Ryan field observation.