

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Rd, K2236
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-9559
Fax 925-842-8370

Dana Thurman
Project Manager

Ro 416

May 12, 2005

(date)

ChevronTexaco

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station # 9-4930

Address: 3369 Castro Valley Boulevard, Castro Valley, California

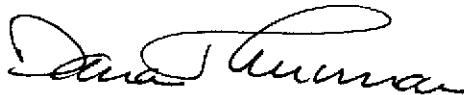
I have reviewed the attached report titled Site Closure Regulatory Response
and dated May 12, 2005.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Cambria Environmental Technology, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Dana Thurman
Project Manager


Enclosure: Report

May 12, 2005

Mr. Barney Chan
Alameda County Health Care Services Agency (ACHCSA)
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Re: **Site Closure Regulatory Response**
Former Chevron Service Station 9-4930
3369 Castro Valley Boulevard
Castro Valley, CA
RO416

Dear Mr. Chan:



On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) submits this response to an email from ACHCSA dated Thursday April 14, 2005 for the referenced site (Figure 1). The email stated the county staff discussed the site and concurred that closure is warranted. ACHCSA however, requested a cumulative soil table and figures indicating the location of residual soil concentrations in order to complete the closure of this site.

Table 1 presents historical soil sampling results. Bolded soil samples indicate concentrations which exceed ESL values in Table A or C where water is a current or potential source of drinking water in Chapter 4 of *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board San Francisco Bay Region, interim final dated February 2005. Additionally on the table, struck through values indicate samples which have been over-excavated.

Figure 2 presents a sitemap with soil concentrations prior to remedial activities of excavation and over-excavation. Figure 3 presents a sitemap with residual soil concentrations after remedial activities of excavation and over-excavation.

**Cambria
Environmental
Technology, Inc.**

4111 Citrus Avenue
Suite 9
Rocklin, CA 95677
Tel (916) 630-1855
Fax (916) 630-1856

Mr. Barney Chan
May 12, 2005

C A M B R I A


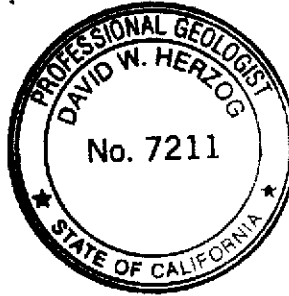
Closing

Please contact Sara Giorgi at 916-630-1855 ext. 103 if you require any additional information regarding this site.

Sincerely,
Cambria Environmental Technology, Inc.



Sara Giorgi
Senior Staff Geologist



David W. Herzog, P.G. #7211
Senior Project Geologist

Table: 1 – Historical Soil Results

Figures: 1 – Sitemap
2 – Pre-Remediation Sitemap
3 – Post-Remediation Sitemap

cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012,
K2236, San Ramon, CA 94583

Table 1
Historical Soil Results

Former Chevron Station 9-4930, 3369 Castro Valley Boulevard, Castro Valley, California

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	VOC's
Concentration in parts per million (mg/kg)												
ESL*		≤3m (≤9.8fbg)	500	100	100	0.044	2.9	3.3	2.3	0.023	150	
ESL*		≥3m (≥9.8fbg)	1,000	100	100	0.044	2.9	3.3	2.3	0.023	750	
UST Removal Sample Results												
SE	34038	9	--	--	ND	ND	ND	ND	ND	--	--	--
SW	34038	6	--	--	ND	ND	ND	ND	ND	--	--	--
WS	34038	9	--	--	ND	ND	ND	ND	ND	--	--	--
ES	34038	6	--	--	ND	ND	ND	ND	ND	--	--	--
EN	34038	9	--	--	ND	ND	ND	0.014	0.024	--	--	--
NE	34038	6	--	--	430	0.056	0.64	7.7	33	--	--	--
NW	34038	8	--	--	620	0.15	0.75	11	53	--	--	--
WN	34038	6	--	--	240	ND	0.57	4.9	4	--	--	--
Pipe Trench Sample Results												
V-1	3/10/1993	--	--	--	ND	ND	ND	ND	ND	--	--	--
P-1	3/10/1993	--	--	--	ND	ND	ND	ND	ND	--	--	--
P-2	3/10/1993	--	--	--	ND	ND	ND	ND	ND	--	--	--
P-3	3/10/1993	--	--	--	ND	ND	ND	ND	ND	--	--	--
P-4	3/10/1993	--	--	--	ND	ND	ND	ND	ND	--	--	--
P-5	3/10/1993	--	--	--	ND	ND	ND	ND	ND	--	--	--
P-6	3/10/1993	--	--	--	ND	0.02	0.020	ND	ND	--	--	--
P-7	3/10/1993	--	--	--	ND	ND	0.018	ND	0.019	--	--	--
P-8	3/10/1993	--	--	--	14	0.39	2.3	0.32	1.800	--	ND	--
P-9	3/10/1993	5.0	--	--	1.5	0.074	0.007	0.007	0.011	--	7	--
P-10	3/10/1993	4.5	--	--	720	2.3	17	9	49	--	6	--
P-11	3/10/1993	5.0	--	--	3.0	0.079	0.01	0.025	0.030	--	6	--
P-12	3/10/1993	6.0	--	--	1.6	ND	0.014	0.036	0.007	--	6	--
Waste Water Reclaim Tank Sample Results												
WWR-1	3/15/1993	9.0	ND	--	8	ND	0.019	0.078	0.36	--	--	--
WWR-2	3/15/1993	9.0	ND	--	230	ND	0.17	2.2	4.5	--	--	--
WWR-3	3/15/1993	12.0	ND	--	ND	ND	ND	ND	ND	--	--	--
WWR-4	3/15/1993	12.0	ND	--	ND	ND	ND	ND	ND	--	--	--
UST Over-excavation Results												
OX-1	3/19/1993	6.0	--	--	340	ND	0.33	4.4	15.0	--	--	--
OX-2	3/19/2003	9.0	--	--	97	ND	ND	1.8	9.0	--	--	--
OX-3	3/22/1993	11.0	--	--	ND	0.026	ND	0.006	ND	--	--	--
OX-4	3/22/1993	11.0	--	--	11	0.38	0.30	0.31	1.0	--	--	--
OX-5	3/22/1993	5.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-6	3/22/1993	10.5	--	--	ND	ND	ND	ND	ND	--	--	--
OX-7	3/22/1993	7.0	--	--	11	ND	0.045	ND	0.1	--	--	--
OX-8	3/25/1993	2.0	--	--	4	0.01	0.006	0.034	0.4	--	--	--

Table 1
Historical Soil Results

Former Chevron Station 9-4930, 3369 Castro Valley Boulevard, Castro Valley, California

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Concentration in parts per million (mg/kg)						
						Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	VOC's
ESL*		≤3m (≤9.8fbg)	500	100	100	0.044	2.9	3.3	2.3	0.023	150	
ESL*		≥3m (≥9.8fbg)	1,000	100	100	0.044	2.9	3.3	2.3	0.023	750	
OX-9	3/25/1993	7.0	ND	--	990	ND	2.1	8	43.0	--	--	--
OX-10	3/26/1993	8.0	--	--	110	ND	0.14	0.39	1.3	--	--	--
OX-11	3/26/1993	13.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-12	3/26/1993	9.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-13	3/30/1993	13.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-14	4/2/1993	9.0	--	--	340	ND	0.18	5.8	28	--	--	--
OX-15	4/2/1993	5.0	ND	2	ND	ND	0.008	ND	ND	--	--	--
OX-16	4/7/1993	5.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-17	4/7/1993	10.0	--	--	290	ND	0.65	4.6	21	--	--	--
OX-18	4/9/1993	15.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-19	4/9/1993	8.0	--	--	760	0.5	4	17	76	--	--	--
OX-20	4/9/1993	10.0	--	--	74	0.032	0.18	2.2	1.8	--	--	--
OX-21	4/9/1993	12.0	--	--	850	2.6	14	17	80	--	--	--
OX-22	4/19/1993	15.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-23	4/19/1993	8.0	--	--	160	ND	0.29	2.2	4.2	--	--	--
OX-24	4/19/1993	13.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-25	4/19/1993	10.0	--	--	5,100	3.9	6.6	77	360	--	--	--
OX-26	4/20/1993	11.0	--	--	510	0.59	3.6	9.7	51	--	--	--
OX-27	4/20/1993	11.0	--	--	310	0.3	0.98	4.9	18	--	--	--
OX-28	4/22/1993	14.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-29	4/22/1993	13.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-30	4/22/1993	10.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-31	4/22/1993	13.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-32	4/22/1993	10.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-33	4/22/1993	13.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-34	4/28/1993	8.0	--	--	89	ND	0.15	1.5	3.1	--	--	--
OX-35	4/28/1993	11.0	--	--	8	ND	0.011	0.15	0.31	--	--	--
OX-36	4/28/1993	8.0	--	--	18	ND	0.065	0.34	0.86	--	--	--
OX-37	4/28/1993	11.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-38	4/28/1993	6.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-39	4/30/1993	4.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-40	4/30/1993	8.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-41	4/30/1993	11.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-42	4/30/1993	14.0	--	--	ND	ND	ND	ND	ND	--	--	--
OX-44	5/3/1993	8.0	--	--	ND	ND	ND	ND	ND	--	--	--
T-1	4/20/1993	13.0	--	--	1,600	0.98	18	34	140	--	--	--
Soil Borings												
B-1	11/24/1992	6.0	--	--	79	<0.1	0.087	1.0	1.9	--	--	--
	11/24/1992	11.3	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--

Table 1
Historical Soil Results

Former Chevron Station 9-4930, 3369 Castro Valley Boulevard, Castro Valley, California

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Concentration in parts per million (mg/kg)						Lead	VOC's
						Benzene	Toluene	Ethylbenzene	Xylenes	MTBE			
ESL*		≤3m (≤9.8fbg)	500	100	100	0.044	2.9	3.3	2.3	0.023	150		
ESL*		≥3m (≥9.8fbg)	1,000	100	100	0.044	2.9	3.3	2.3	0.023	750		
B-2	11/24/1992	11.25	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
B-3	11/24/1992	10.3	--	--	96	<0.025	<0.025	0.063	3.5	--	--	--	
B-4	11/24/1992	11.3	--	--	2,500	<0.5	5.1	20	130	--	--	--	
B-5	11/24/1992	10.8	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
B-6	11/24/1992	10.6	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
B-7	11/24/1992	10.6	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
B-8	11/24/1992	10.5	--	--	36	<0.05	0.056	0.47	1.4	--	--	--	
B-9	11/24/1992	5.5	--	--	<1	<0.005	<0.005	<0.005	0.01	--	--	--	
	11/24/1992	11.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
B-10	11/24/1992	11.5	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
H-1	11/24/1992	5.5	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
H-2	11/24/1992	5.5	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
H-3	11/24/1992	5.5	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
H-4	11/24/1992	1.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
H-5	11/24/1992	5.5	57	<10	<1	<0.005	<0.014	<0.043	<0.027	--	--	--	
	11/24/1992	10.5	<50	<10	15	<0.005	0.014	0.043	0.027	--	--	ND	
H-6	11/24/1992	5.5	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	
B-11 (MW-1)	10/25/1993	6.0	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	
B-12 (MW-2)	10/25/1993	5.8	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	
	10/25/1993	8.0	--	--	100	<0.05	0.18	0.45	3.6	--	--	--	
B-13 (MW-3)	10/25/1993	5.8	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	
	10/25/1993	8.0	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	

Table 1
Historical Soil Results

Former Chevron Station 9-4930, 3369 Castro Valley Boulevard, Castro Valley, California

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	VOC's
Concentration in parts per million (mg/kg)												
ESL*		≤3m (≤9.8fbg)	500	100	100	0.044	2.9	3.3	2.3	0.023	150	
ESL*		≥3m (≥9.8fbg)	1,000	100	100	0.044	2.9	3.3	2.3	0.023	750	
B-14 (MW-4)	10/25/1993	6.0	--	--	530	<0.25	0.48	4.5	18	--	--	--
GP-3	1/25/1996	5	--	--	ND	ND	ND	ND	ND	--	--	--
	1/25/1996	10	--	--	ND	ND	ND	ND	ND	--	--	--
	1/25/1996	15	--	--	ND	ND	ND	ND	ND	--	--	--
GP-4	1/25/1996	5	--	--	ND	ND	ND	ND	ND	--	--	--
	1/25/1996	10	--	--	ND	ND	ND	ND	ND	--	--	--
	1/25/1996	15	--	--	ND	ND	ND	ND	ND	--	--	--

Abbreviations / Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 3550/8015 modified

TOG = Total oil and grease by gravimetric Method SM 5520 E&F

MTBE = methyl tert-butyl ether by EPA Method 8020 (EPA Method 8260B)

VOC's = volatile organic compounds

fbg = feet below grade

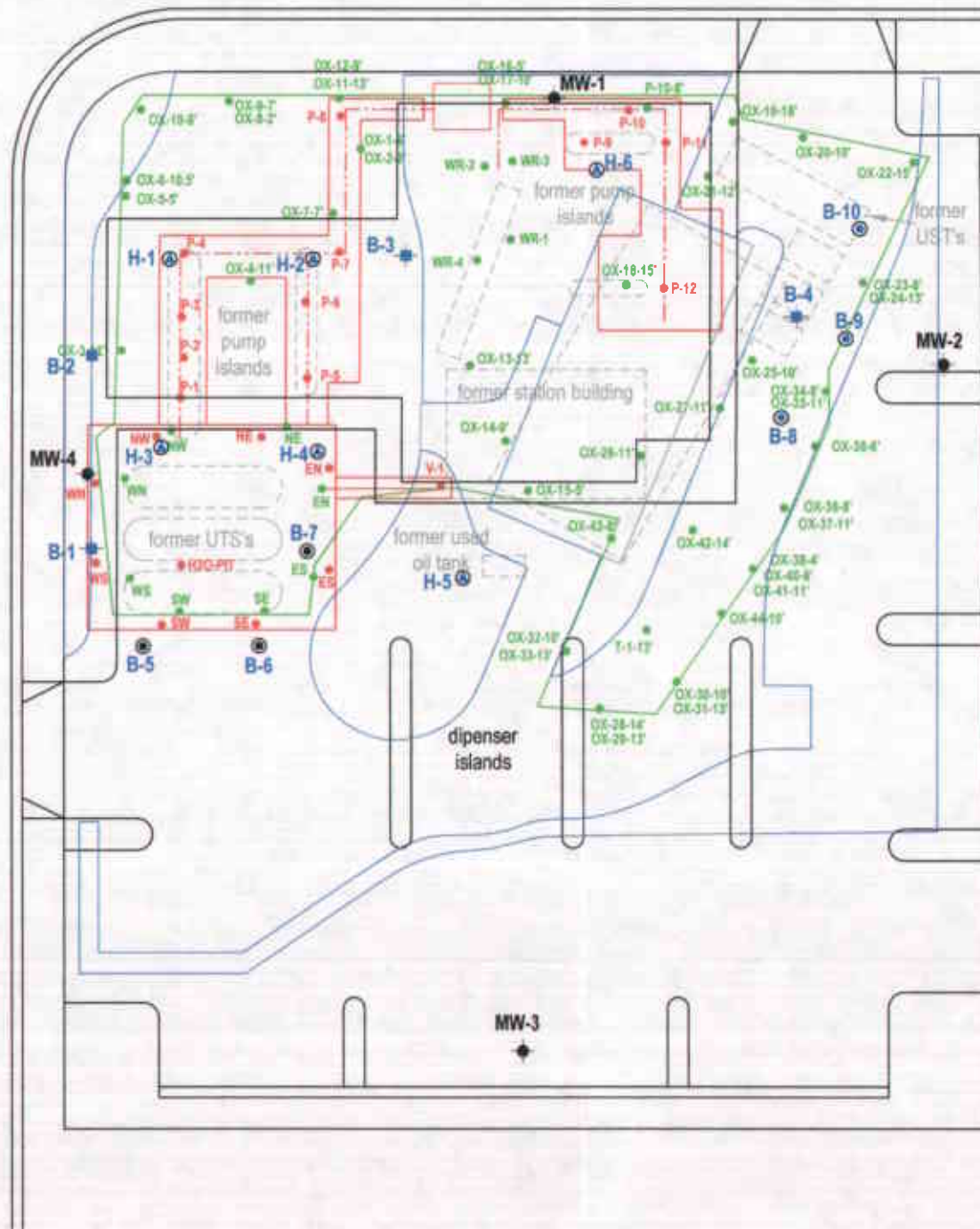
~~Struckthrough~~ = Reported concentrations which have been defined to depth and/or excavated

***Bold** = concentrations exceeding ESL values in Table A or C where water is a current or potential source of drinking water in

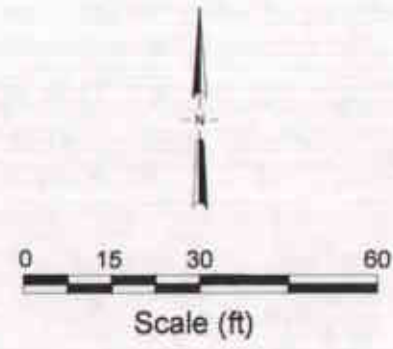
Chapter 4 of *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by
the California Regional Water Quality Control Board San Francisco Bay Region, interim final dated February 2005.

CASTRO VALLEY BOULEVARD

WILBEAM AVENUE



EXPLANATION	
MW-1	Monitoring well location
B-1	Temporary monitoring location
B-1	Soil boring location
H-1	Hand augered boring location
P-1	Soil sample locations
OX-22-15	Soil sample locations
(Red line)	UGST & pipeline sample location map (Based on Touchstone Developments map)
(Green line)	Over-excavation location map (Based on Touchstone Developments map)
(Blue line)	Generalized site plan map (Based on Resna map)



Basemap modified from drawing provided by Touchstone Developments, Resna and Gettler-Ryan Inc.

Site Plan

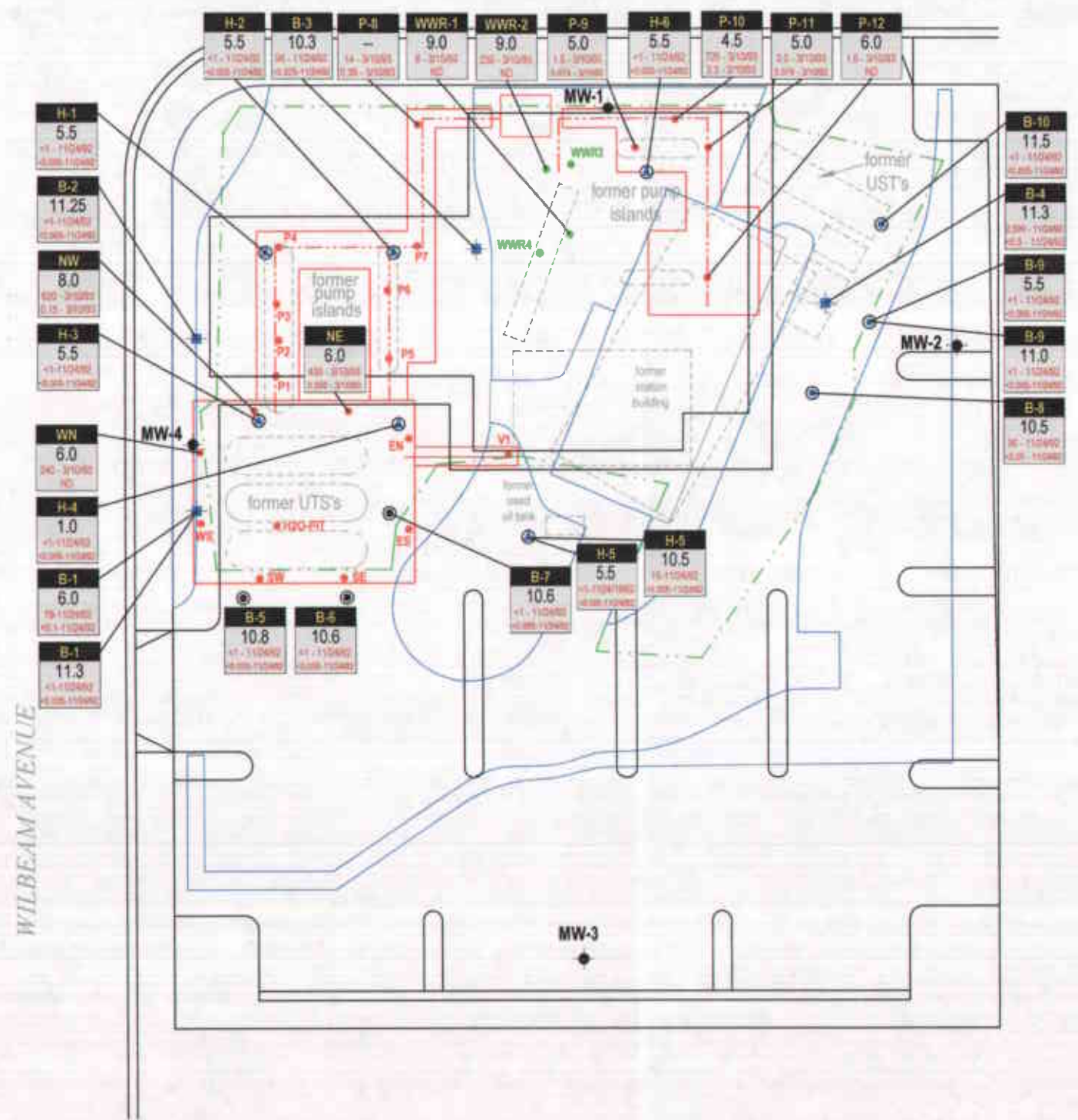


FIGURE 1

Former Chevron Station 9-4930
 3369 Castro Valley Boulevard
 Castro Valley, California

RESNA/CASTRO VALLEY/BOULEVARD/4930/05/05

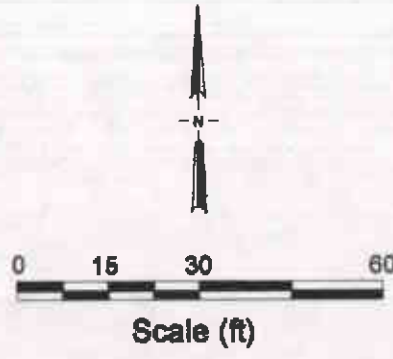
CASTRO VALLEY BOULEVARD



EXPLANATION

- MW-1 Monitoring well location
- B-1 Temporary monitoring location
- B-1 Soil boring location
- H-1 Hand augered boring location
- P-1 Soil sample locations
- OX-22-15 Over-excavation sample locations
- UGST & pipeline sample location map (Based on Touchstone Developments map)
- Over-excavation location map (Based on Touchstone Developments map)
- Generalized site plan map (Based on Reana map)

WELL	DEPTH	TPH	BENZ
Well designation	Sample Depth	Benzene and TPHg concentrations are in milligrams per kilograms (mg/kg)	
Soil sample locations without noted concentrations are non-detect for TPHg or benzene			



Basemap modified from drawing provided by Touchstone Developments, Reana and Gelfler-Ryan Inc.

Pre-Remediation Map
See Table 1 for Historical Soil Data



Former Chevron Station 9-4930
3388 Castro Valley Boulevard
Castro Valley, California

FIGURE
2

CASTRO VALLEY BOULEVARD

WILBEAM AVENUE

EXPLANATION

- MW-1 ◆ Monitoring well location
- B-1 ◆ Temporary monitoring location
- B-1 ● Soil boring location
- H-1 ● Hand augered boring location
- P-1 ● Soil sample locations
- OX-22-15 ●
- UGST & pipeline sample location map (Based on Touchstone Developments map)
- - - Over-excavation location map (Based on Touchstone Developments map)
- Generalized site plan map (Based on Resna map)

WELL

- DESIGNATION
- DEPTH
- Benzene and TPHg concentrations are in milligrams per kilogram (mg/kg)
- Soil sample locations without noted concentrations are non-detect for TPHg or benzene

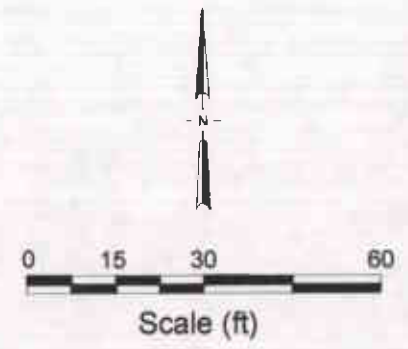
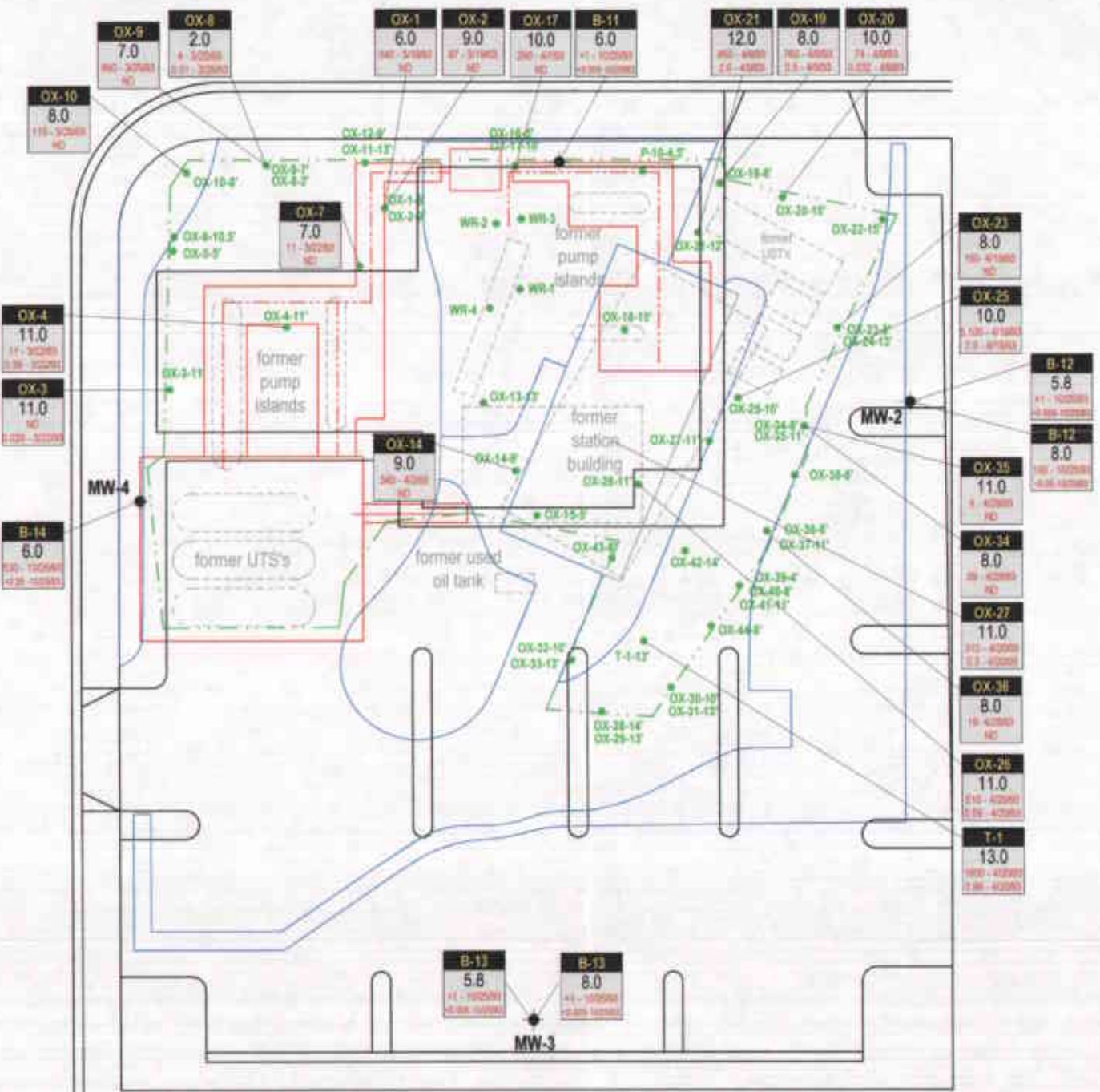


FIGURE 3

18-4930 CASTRO VALLEY/94958-4030.DWG

Basemap modified from drawing provided by Touchstone Developments, Resna and Gettler-Ryan Inc.

Post-Remediation Map
See Table for Historical Soil Data



Former Chevron Station 9-4930
3369 Castro Valley Boulevard
Castro Valley, California