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Alameda County
Environmental Health

June 22, 2007

GROUNDWATER MONITORING REPORT
1st Semester, 2007

10700 MacArthur Boulevard
Oakland, California

Project No. 261829

Prepared For

Jay-Phares Corporation
Attn: John Jay
10700 MacArthur Boulevard, Suite 200
Oakland, CA 94605

Prepared By

AEI Consultants
2500 Camino Diablo Blvd., Suite 200
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AEI

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June 22, 2007

Jay-Phares Corporation
Attn: John Jay
10700 MacArthur Boulevard, Suite 200
Oakland, CA 94605

Subject: **Semiannual Groundwater Monitoring Report**
1st Semester, 2007
10700 MacArthur Boulevard
Oakland, California
AEI Project No. 261829

Dear Mr. Jay:

AEI Consultants (AEI) has prepared this groundwater monitoring report on behalf of The Jay-Phares Corporation, the manager of the Foothill Square Shopping Center (Figure 1: Site Location Map). The documentation of groundwater quality beneath and around the site was performed to monitor the stability of the chlorinated volatile organic compound (VOC) plume beneath the property.

This report was prepared in accordance with the requirements of the Alameda County Health Care Services Agency (ACHCSA) and the Regional Water Quality Control Board (RWQCB). This report summarizes the activities and results of the semi-annual monitoring activities conducted on May 2 and 3, 2007.

Site Description and Background

The site is located in a mixed commercial and residential area of Oakland, California. The property is currently developed with the Foothill Square Shopping Center (FSSC). Refer to Figure 1: Site Location Map. One of the former tenants of the FSSC was Young's Cleaners, which operated from approximately 1984 though 1995.

Between 1989 and 1997, several phases of investigation took place into the extent of a release tetrachloroethylene (PCE) from the former dry-cleaners. A total of 18 monitoring wells were installed. In 1996, AEI removed and treated approximately 2,400 cubic yards of VOC impacted soil from beneath and around the former Young's Cleaners location.

Following soil removal activities and the preparation of a risk assessment, both the RWQCB and ACHCSA agreed that the soil had been sufficiently treated, that remaining VOC contaminants in soil and groundwater did not pose a significant risk to human health, and that traditional groundwater "pump and treat" activities would not likely be necessary. However, additional

groundwater investigation and monitoring was requested at that time to confirm the stability of the dissolved phase VOC plume. Wells AMW-2 and AMW-3 were decommissioned by AEI prior to soil removal activities. Well WGR-MW1, WGR-MW5, and AMW-7 were covered over during subsequent paving and construction activities.

Based on a request from the ACHCSA, AEI performed a soil vapor survey at the site on October 11 through October 13, 2006. A total of seventeen (17) soil borings (VB-1 through VB-17), each with a shallow boring as well as a deep boring were advanced. The borings were placed throughout the subject property with three of the borings inside existing buildings. Based on the result of the investigation, it was determined that further investigative activities may be warranted.

Please refer to Figure 2 for locations of the remaining wells and refer to the referenced reports for details of historical sampling and soil treatment activities.

Summary of Activities

On May 2 and 3, 2007, AEI gauged the groundwater levels in the thirteen active groundwater monitoring wells at the site. Groundwater samples were collected from eight of the wells (AMW-1, AMW-4, AMW-5, AMW-6, AMW-9, MW-6, FHS MW-10, and FHS MW-11) in accordance with the approved sampling schedule. Wells were first opened and water levels allowed to equilibrate with atmospheric pressure. The depth to water from the top of the well casings was measured prior to sampling with an electric water level indicator. The wells were then purged of at least three well volumes using a battery powered submersible pump. Field data sheets are included in Appendix A.

Temperature, pH, specific conductivity, dissolved oxygen, and oxidation-reduction potential (ORP) were measured and the turbidity was visually noted during the purging of the wells. Once the above parameters had stabilized, and the wells were allowed to recharge to a minimum of 90% of their original water volume, a water sample was collected. Groundwater samples were collected from each well using clean, disposable plastic bailers.

Groundwater samples were collected from each well to be sampled into three 40 ml volatile organic analysis (VOA) vials. The samples were capped so that neither head space nor air bubbles were visible within the sample containers. Samples were labeled with unique identifiers, stored over water ice, and placed under chain of custody. The samples were transported to McCampbell Analytical, Inc. of Pittsburg, California (Department of Health Services Certification #1644).

Field Results

Generally, the wells at the site are categorized as being screened either in a shallow water bearing zone or a deeper water bearing zone. Shallow zone wells (AMW-1, AMW-4, AMW-5, AMW-6, WGR MW2, WGR MW3, and MW-7) are screened from approximately 20 to 35 feet below ground surface (bgs), and deeper wells (AMW-8, AMW-9, WGR MW4, MW-6, and FHS MW-10 and FHS MW-11) are generally in the 35 to 60 feet bgs range. Screen intervals, where known, are presented in Table 1.

Groundwater levels in the shallow aquifer ranged from 39.12 to 53.68 feet above mean sea level (amsl) in May 2007. Groundwater was determined to flow to the west at a hydraulic gradient of 0.036 feet per foot, both consistent with previous episodes. Groundwater levels in the deeper, apparently confined or semi-confined aquifer, ranged from 27.81 to 41.54 feet above msl in May 2007. Groundwater flow in the deep aquifer was toward the west/southwest at a hydraulic gradient of 0.023 feet per foot, consistent with previous findings.

Groundwater measurement data are summarized in Table 1. The groundwater elevation contours are shown in Figures 3 and 4. Refer to Appendix A for Groundwater Monitoring Well Field Sampling Forms.

Groundwater Quality

The highest concentrations of PCE, trichloroethylene (TCE), and cis-1,2 dichloroethylene (cis-1,2 DCE) were again detected in the groundwater sample taken from shallow well AMW-6 (120 µg/L, 22 µg/L, and 32 µg/L respectively). The concentrations of VOCs in this well are significantly lower then historical concentrations, however, slightly higher then the fourth quarter 2006 concentrations. The highest concentration of PCE in the deeper zone was found in well AMW-9 at 86 µg/L.

A summary of groundwater quality data, including historical results, is presented in Table 2. Laboratory results and chain of custody documents are included in Appendix B. Refer to Figure 5 for a summary of VOC concentrations in the wells sampled during this event.

Summary

In general, chlorinated VOC concentrations beneath the site appear relatively stable with several wells at or near all-time low concentrations, including AMW-4, AMW-6, and MW-6. In a letter dated May 24, 2007, the ACHCSA approved the proposed advancement of additional soil vapor borings at the site as well as the proposed groundwater sampling schedule of (8) wells semi-annually and (3) wells annually. The approved scope to further characterize soil vapor contamination beneath the site is currently scheduled for June 25 and 26, 2007. A feasibility study/corrective action plan will be submitted with the results of the June 2007 soil vapor investigation upon the receipt of all necessary data. The monitoring well network will continue

to be sampled by AEI in accordance with the approved sampling schedule with the next sampling event (annual) scheduled during October 2007.

Report Limitations and Signatures

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If you have any questions regarding our investigation, please do not hesitate to contact either of the undersigned at (925) 944-2899.

Sincerely,
AEI Consultants

Jeremy Smith
Project Manager

Peter McIntyre
Senior Project Manager, PG

REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp 6/30/08
No. 7707
STATE OF CA

Figures

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Figure 3	Groundwater Elevation Map - Shallow Wells
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Figure 5	Groundwater Analytical Data

Tables

Table 1	Groundwater Level Data
Table 2	Groundwater Sample Analytical Data

Appendices

Appendix A	Groundwater Monitoring Well Field Sampling Forms
Appendix B	Laboratory Analyses With Chain of Custody Documentation

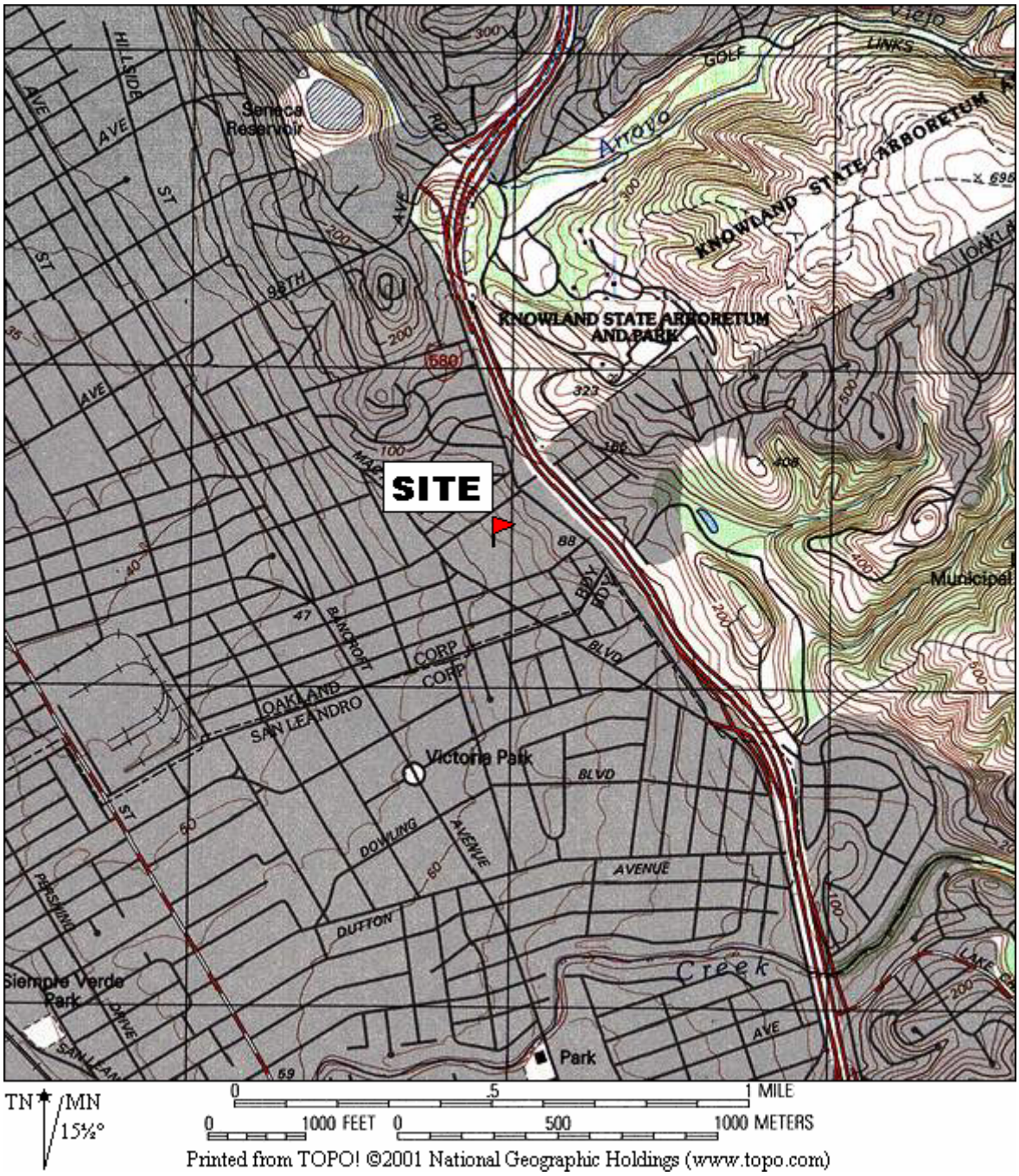
References

1. Augeas Corporation. *Report of Subsurface Investigation, Young's Cleaners,* 10700 MacArthur Boulevard, Oakland, California, December 1995.
2. All Environmental, Inc. *Soil Remediation and Excavation Project Summary, February 7, 1996.*
3. PES Environmental, Inc. *Groundwater Monitoring Well Installation,* Foothill Square Shopping Center, 10700 MacArthur Boulevard, Oakland, California, February 3, 1997.
4. PES Environmental, Inc. *Results of Additional Groundwater Investigation and Risk Evaluation,* Former Young's Cleaners, Foothill Square Shopping Center, 10700 MacArthur Boulevard, Oakland, California, March 24, 1997.
5. PES Environmental, Inc. *Quarterly Monitoring and Well Installation Report*, Former Young's Cleaners, Foothill Square Shopping Center, 10700 MacArthur Boulevard, Oakland, California, January 22, 1998.
6. AEI Consultants *Groundwater Monitoring Report,* 10700 MacArthur Boulevard, Oakland, California, November 26, 2002
7. AEI Consultants, *Additional Site Investigation Report*, 10700 MacArthur Boulevard, Oakland, California, November 30, 2006

Distribution

Mr. Barney Chan, Alameda County Health Care Services Agency
Geotracker
Jay-Phares Corporation

FIGURES



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SITE LOCATION MAP

10700 MACARTHUR BLVD
OAKLAND, CALIFORNIA

FIGURE 1
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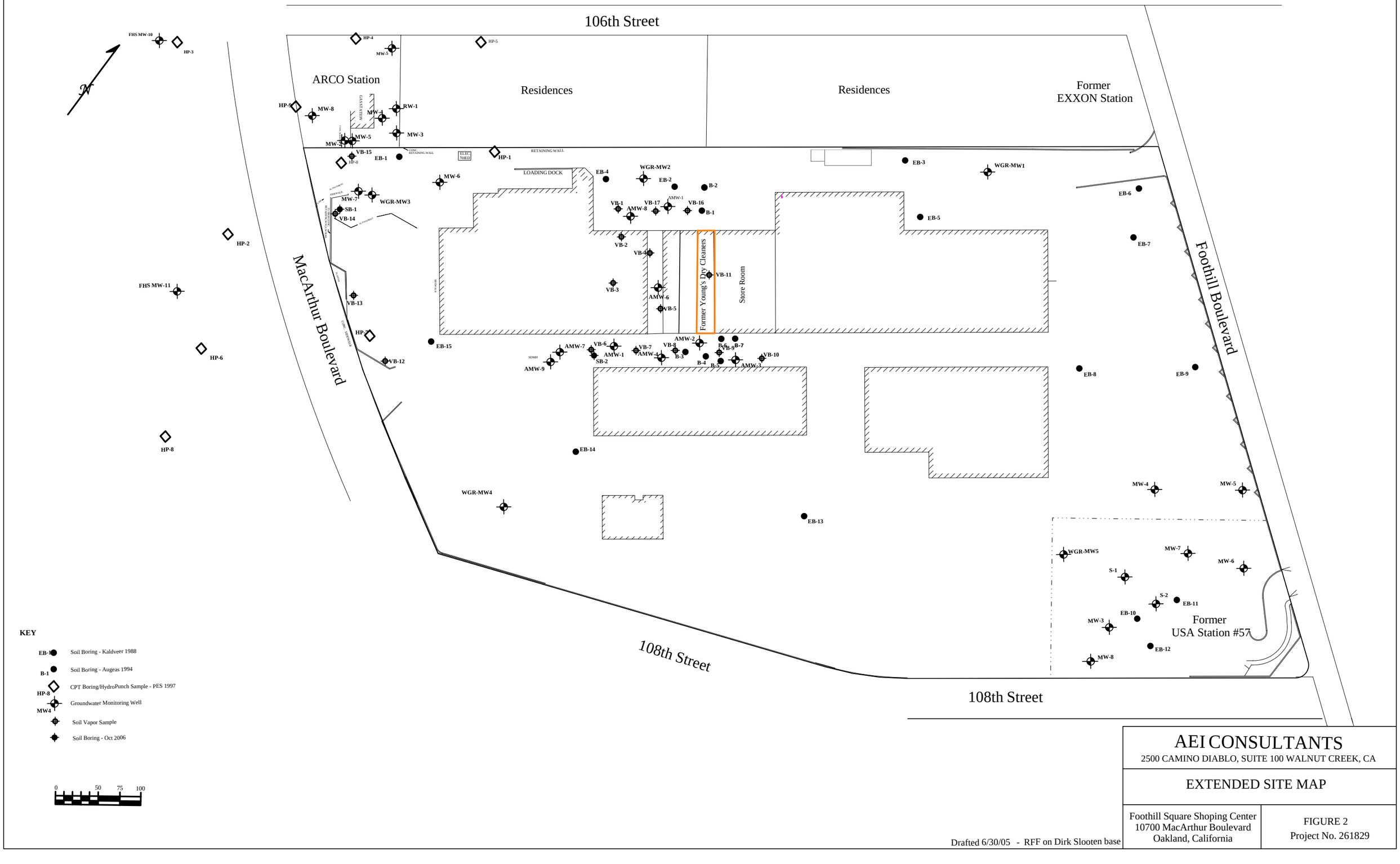

KEY

- EB-1 — Soil Boring - Kaldveer 1988
- B-1 — Soil Boring - Augeas 1994
- HP-8 — CPT Boring/HydroPunch Sample - PES 1997
- MW4 — Groundwater Monitoring Well
- Soil Vapor Sample
- Soil Boring - Oct 2006

0 50 75 100

Drafted 6/30/05 - RFF on Dirk Slooten base

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2500 CAMINO DIABLO, SUITE 100 WALNUT CREEK, CA

EXTENDED SITE MAP

Foothill Square Shoping Center
10700 MacArthur Boulevard
Oakland, California

FIGURE 2
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106th Street

ARCO Station

Residences

Residences

Former
EXXON Station

MacArthur Boulevard

Foothill Boulevard

108th Street

108th Street

Former
USA Station #57

Former Young's Dry Cleaners

Store Room

LOADING DOCK

RETAINING WALL

FHS MW-10

FHS MW-11

MW-1

MW-2

MW-3

MW-4

MW-5

MW-6

MW-7
(39.12)

MW-8

RW-1

WGR-MW1

WGR-MW2
(39.07)

WGR-MW3
(39.97)

WGR-MW4

WGR-MW5

AMW-1
(45.90)

AMW-2

AMW-3

AMW-4
(53.68)

AMW-5
(51.05)

AMW-6
(52.06)

AMW-7

AMW-8

AMW-9

S-1

S-2

44

44

44

48

52

Approximate Shallow Groundwater
Flow Direction on 5/2/2007
Groundwater Gradient = 0.036 ft/ft

KEY

MW4 Groundwater Monitoring Well

AMW-7 Destroyed Monitoring Well

(50.82) Groundwater Elevation (feet)

0 50 75 100

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2500 CAMINO DIABLO, SUITE 100 WALNUT CREEK, CA

GROUNDWATER ELEVATION MAP - SHALLOW WELLS

Foothill Square Shoping Center
10700 MacArthur Boulevard
Oakland, California

FIGURE 3
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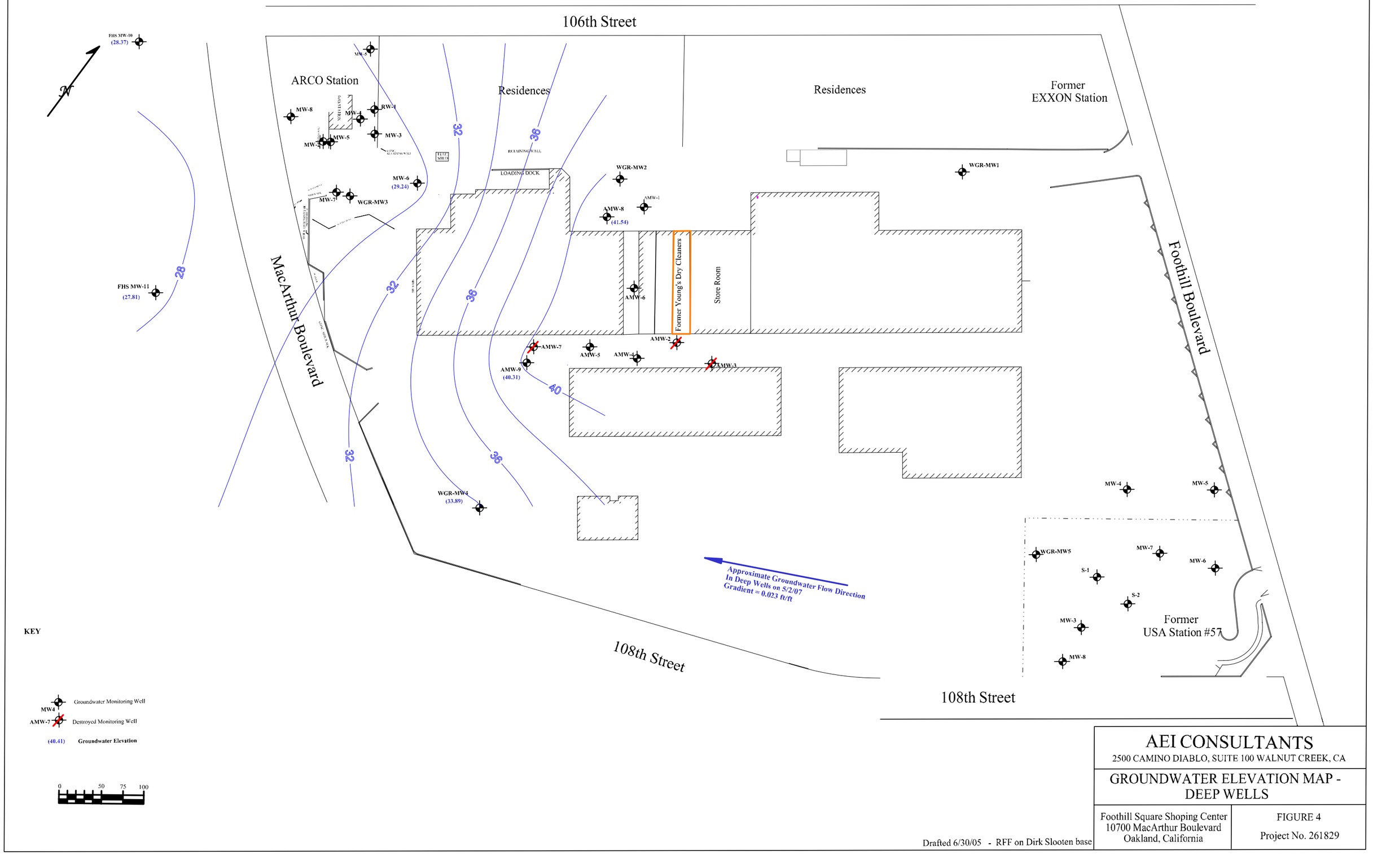
Drafted 6/30/05 - RFF on Dirk Slooten base



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2500 CAMINO DIABLO, SUITE 100 WALNUT CREEK, CA

GROUNDWATER ELEVATION MAP - DEEP WELLS

Foothill Square Shoping Center
10700 MacArthur Boulevard
Oakland, California

FIGURE 4

Project No. 261829

Drafted 6/30/05 - RFF on Dirk Slooten base

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2500 CAMINO DIABLO, SUITE 100 WALNUT CREEK, CA

Groundwater Analytical Data
5/2/07 & 5/3/07

Foothill Square Shoping Center
10700 MacArthur Boulevard
Oakland, California

FIGURE 5

Project No. 261829

106 th AVENUE

MACARTHUR BOULEVARD

FHS MW-10	ug/L
PCE	<0.5
TCE	<0.5
cis-DCE	<0.5

Offsite

ARCO Station

MW-5

MW-8

MW-4

RW-1

MW-2

MW-5

MW-3

GAS STATION

CONC. RETAINING WALL

RETAINING WALL

ELEC. SHED

WGR-MW2 (NS)

LOADING DOCK

MW-7 (NS)

WGR-MW3 (NS)

AC PAVEMENT

SIDEWALK

CURB

3'± HIGH CONC. RETAINING WALL W/RAIL

AC PAVEMENT

PLASTER

MW-6

MW-6	ug/L
PCE	39
TCE	2.1
cis-DCE	0.92

AMW-8 (NS)

AMW-1

AMW-1	ug/L
PCE	<0.5
TCE	0.69
cis-DCE	<0.5

SIDEWALK

AMW-6	ug/L
PCE	120
TCE	22
cis-DCE	32

AMW-6

AMW-9	ug/L
PCE	86
TCE	<2.5
cis-DCE	<2.5

AMW-7

AMW-9

Former Young's Dry Cleaners

Store Room

AMW-2

AMW-5

AMW-4

AMW-3

AMW-5	ug/L
PCE	42
TCE	2.0
cis-DCE	0.91

AMW-4	ug/L
PCE	5.1
TCE	1.2
cis-DCE	2.7

FHS MW-11	ug/L
PCE	25
TCE	1.1
cis-DCE	<0.5

Offsite

WGR MW-4 (NS)

Off the Map

KEY

Abandoned Well

Groundwater Monitoring Well

0 50 75 100

Drafted 6/30/05 - RFF on Dirk Slooten base

TABLES

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

Well ID (Aquifer zone)	Date	Screen Interval (ft bgs)	Well Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
AMW-1	1/29/1999	24-34	64.51	23.01	41.50
(Shallow)	5/5/1999		64.51	21.25	43.26
	10/9/1999		64.51	24.14	40.37
	1/20/2000		64.51	24.66	39.85
	8/8/2000		64.51	23.30	41.21
	2/15/2001		64.51	23.22	41.29
	8/29/2001		64.51	24.38	40.13
	3/12/2002		64.51	21.29	43.22
	9/27/2002		64.51	23.62	40.89
	3/25/2003		64.51	22.45	42.06
	10/2/2003		64.51	24.31	40.20
	10/17/2006		64.51	22.91	41.60
	5/3/2007		**64.51**	**18.61**	**45.90**
AMW-4	1/29/1999	15-25	64.79	11.51	53.28
(Shallow)	5/5/1999		64.79	10.14	54.65
	10/9/1999		64.79	12.04	52.75
	1/20/2000		64.79	13.50	51.29
	8/8/2000		64.79	11.74	53.05
	2/15/2001		64.79	12.32	52.47
	8/29/2001		64.79	12.40	52.39
	3/12/2002		64.79	10.13	54.66
	9/27/2002		64.79	12.14	52.65
	3/25/2003		64.79	11.03	53.76
	10/2/2003		64.79	12.33	52.46
	10/17/2006		64.79	12.76	52.03
	5/3/2007		**64.79**	**11.11**	**53.68**
AMW-5	1/29/1999	20-30	64.97	13.87	51.10
(Shallow)	5/5/1999		64.97	12.83	52.14
	10/9/1999		64.97	14.25	50.72
	1/20/2000		64.97	14.91	50.06
	8/8/2000		64.97	14.14	50.83
	2/15/2001		64.97	14.32	50.65
	8/29/2001		64.97	14.72	50.25
	3/12/2002		64.97	13.12	51.85
	9/27/2002		64.97	14.62	50.35
	3/25/2003		64.97	13.45	51.52
	10/2/2003		64.97	14.74	50.23
	10/17/2006		64.97	14.15	50.82
	5/3/2007		**64.97**	**13.92**	**51.05**
AMW-6	1/29/1999	Unknown	65.10	12.74	52.36
(Shallow)	5/5/1999		65.10	11.30	53.80
	10/9/1999		65.10	13.29	51.81
	1/20/2000		65.10	14.21	50.89
	8/8/2000		65.10	12.95	52.15
	2/15/2001		65.10	12.64	52.46
	8/29/2001		65.10	13.65	51.45
	3/12/2002		65.10	11.41	53.69
	9/27/2002		65.10	13.25	51.85
	3/25/2003		65.10	12.22	52.88
	10/2/2003		65.10	14.74	50.36
	10/17/2006		65.10	11.46	53.64
	5/3/2007		**65.10**	**13.04**	**52.06**
AMW-7	1/29/1999	Unknown	64.24	14.91	49.33
(Shallow)	5/5/1999		Well Covered during consturction		
AMW-8	1/29/1999	Unknown	64.55	16.86	47.69
(Deep)	5/5/1999		64.55	14.46	50.09
	10/9/1999		64.55	17.10	47.45
	1/20/2000		64.55	18.51	46.04
	8/8/2000		64.55	16.71	47.84
	2/15/2001		64.55	17.31	47.24
	8/29/2001		64.55	18.30	46.25
	3/12/2002		64.55	16.03	48.52
	9/27/2002		64.55	18.03	46.52
	3/25/2003		64.55	17.31	47.24
	10/2/2003		64.55	21.54	43.01
	10/17/2006		64.55	16.05	48.5
	5/3/2007		**64.55**	**23.01**	**41.54**

Table 1: Continued

Well ID (Aquifer zone)	Date	Screen Interval (ft bgs)	Well Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
AMW-9	1/29/1999	Unknown	63.48	23.22	40.26
(Deep)	5/5/1999		63.48	21.40	42.08
	10/9/1999		63.48	23.74	39.74
	1/20/2000		63.48	24.92	38.56
	8/8/2000		63.48	23.01	40.47
	2/15/2001		63.48	21.20	42.28
	8/29/2001		63.48	22.59	40.89
	3/12/2002		63.48	21.94	41.54
	9/27/2002		63.48	24.16	39.32
	3/25/2003		63.48	23.00	40.48
	10/2/2003		63.48	23.80	39.68
	10/17/2006		63.48	23.07	40.41
	5/3/2007		**63.48**	**23.17**	**40.31**
WGR MW-2	1/29/1999	23-28	63.18	23.41	39.77
(Shallow)	5/5/1999		63.18	21.41	41.77
	10/9/1999		63.18	24.62	38.56
	1/20/2000		63.18	25.24	37.94
	8/8/2000		63.18	23.41	39.77
	8/29/2001		63.18	25.09	38.09
	3/12/2002		63.18	21.86	41.32
	9/27/2002		63.18	24.69	38.49
	3/25/2003		63.18	23.71	39.47
	10/2/2003		63.18	25.13	38.05
	10/17/2006		63.18	23.91	39.27
	5/3/2007		**63.18**	**24.11**	**39.07**
WGR MW-3	1/29/1999	22-27	58.34	15.81	42.53
(Shallow)	5/5/1999		58.34	18.43	39.91
	10/9/1999		58.34	21.38	36.96
	1/20/2000		58.34	19.76	38.58
	8/8/2000		58.34	20.88	37.46
	8/29/2001		58.34	21.22	37.12
	3/12/2002		58.34	14.80	43.54
	9/27/2002		58.34	22.32	36.02
	3/25/2003		58.34	18.07	40.27
	10/2/2003		58.34	22.22	36.12
	10/17/2006		58.34	21.85	36.49
	5/3/2007		**58.34**	**18.37**	**39.97**
WGR MW-4	1/29/1999	23-45	60.02	26.23	33.79
(Deep)	5/5/1999		60.02	23.80	36.22
	10/9/1999		60.02	27.73	32.29
	1/20/2000		60.02	27.97	32.05
	8/8/2000		60.02	26.00	34.02
	2/15/2001		60.02	26.55	33.47
	8/29/2001		60.02	27.14	32.88
	3/12/2002		60.02	24.90	35.12
	9/27/2002		60.02	27.09	32.93
	3/25/2003		60.02	25.75	34.27
	10/2/2003		60.02	27.41	32.61
	10/17/2006		60.02	26.31	33.71
	5/3/2007		**60.02**	**26.13**	**33.89**
FHS MW-10	1/29/1999	42-52	52.34	23.91	28.43
(Deep)	5/5/1999		52.34	20.55	31.79
	10/9/1999		52.34	25.00	27.34
	1/20/2000		52.34	27.23	25.11
	8/8/2000		52.34	24.06	28.28
	2/15/2001		52.34	24.16	28.18
	8/29/2001		52.34	26.11	26.23
	3/12/2002		52.34	23.94	28.40
	9/27/2003		52.34	25.86	26.48
	3/25/2003		52.34	23.20	29.14
	10/6/2003		52.34	26.39	25.95
	10/17/2006		52.34	24.35	27.99
	5/3/2007		**52.34**	**23.97**	**28.37**

Table 1: Continued

Well ID (Aquifer zone)	Date	Screen Interval (ft bgs)	Well Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
FHS MW-11	1/29/1999	59-64	54.06	26.38	27.68
(Deep)	5/5/1999		54.06	22.72	31.34
	10/9/1999		54.06	27.42	26.64
	1/20/2000		54.06	29.31	24.75
	8/8/2000		54.06	26.11	27.95
	2/15/2001		54.06	26.43	27.63
	8/29/2001		54.06	28.28	25.78
	3/12/2002		54.06	21.61	32.45
	9/27/2002		54.06	27.93	26.13
	3/25/2003		54.06	45.21	8.85
	10/2/2003			Well Inaccessible	
	10/17/2006		54.06	26.54	27.52
	5/3/2007		**54.06**	**26.25**	**27.81**
MW-6	1/29/1999	37.5-56	61.78	32.87	28.91
(Deep)	5/5/1999		61.78	29.41	32.37
	9/10/1999		61.78	33.98	27.80
	1/20/2000		61.78	36.02	25.76
	8/8/2000		61.78	32.73	29.05
	2/15/2001		61.78	33.34	28.44
	8/29/2001		61.78	34.98	26.80
	3/12/2002		61.78	30.72	31.06
	9/27/2002		61.78	34.50	27.28
	3/25/2003		61.78	32.08	29.70
	10/2/2003		61.78	34.86	26.92
	10/17/2006		61.78	32.58	29.20
	5/3/2007		**61.78**	**32.54**	**29.24**
MW-7	1/20/2000	17.5-37.5	58.64	20.32	38.32
(Shallow)	8/8/2000		58.64	20.50	38.14
	2/15/2001		58.64	16.95	41.69
	8/29/2001		58.64	21.61	37.03
	3/12/2002		58.64	17.03	41.61
	9/27/2002		58.64	22.73	35.91
	3/25/2003		58.64	19.09	39.55
	10/2/2003		58.64	22.46	36.18
	10/17/2006		58.64	22.19	36.45
	5/3/2007		**58.64**	**19.52**	**39.12**

Notes: All well elevations are measured from the top of casing not from the ground surface.
ft msl = feet above mean sea level

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

Well (aguifer zone)	Date	Consultant	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
AMW-1	3/23/95	Augeus	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
(shallow - 29)	6/21/95	Augeus	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/11/95	Augeus	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	4/16/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	7/17/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/23/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/29/97	PES	NS	NS	NS	NS	NS
	1/20/00	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/8/00	AEI	NS	NS	NS	NS	NS
	2/15/01	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	AEI	NS	NS	NS	NS	NS
	3/12/02	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	AEI	NS	NS	NS	NS	NS
	3/25/03	AEI	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5
	10/2/03	AEI	NS	NS	NS	NS	NS
	10/17/06	AEI	ND<0.5	ND<0.5	2.2	ND<0.5	ND<RL
	5/2/07	**AEI**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**0.69**	**ND<RL**
AMW-4	5/15/95	Augeus	NR	ND<50	2400	ND<50	NR
(shallow - 25)	6/21/95	Augeus	NR	ND<50	2500	ND<50	NR
	9/13/95	Augeus	NR	ND<25	1100	ND<25	NR
	4/16/96	PES	ND<10	ND<10	1200	10	NR
	7/17/96	PES	ND<10	ND<10	860	ND<10	NR
	10/23/96	PES	ND<0.5	ND<0.5	22	0.5	NR
	9/29/97	PES	ND<3	ND<3	340	3	NR
	1/29/99	AEI	ND<3	ND<3	100	ND<3	ND<3
	5/5/99	AEI	ND<5	ND<5	210	ND<5	ND<5
	9/10/99	AEI	10	ND<5	240	18	ND<5
	1/20/00	AEI	46	ND<2.5	97	6.2	ND<2.5
	8/8/00	AEI	ND<5	ND<5	440	8	ND<5
	2/15/01	AEI	ND<2.5	ND<2.5	81	2.6	ND<2.5
	8/29/01	AEI	ND<2.5	ND<2.5	230	4.6	ND<2.5
	3/12/02	AEI	ND<5.0	ND<5.0	190	ND<5.0	ND<5.0
	9/27/02	AEI	ND<5.0	ND<5.0	220	ND<5.0	10***
	3/25/03	AEI	1.2	ND<1.0	22	1.9	ND<1.0
	10/2/03	AEI	2.8	ND<0.5	50	2.8	ND<0.5
	1017/06	AEI	9.9	ND<0.5	6.5	ND<0.5	ND<RL
	5/3/07	**AEI**	**2.7**	**ND<0.5**	**5.1**	**1.2**	**ND<RL****
AMW-5	5/15/95	Augeus	NR	ND<0.5	1.2	ND<0.5	NR
(shallow - 30)	6/21/95	Augeus	NR	ND<0.5	ND<0.5	ND<0.5	NR
	9/13/95	Augeus	NR	ND<0.5	ND<0.5	ND<0.5	NR
	4/16/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NR
	7/17/96	PES	ND<0.5	ND<0.5	0.6	ND<0.5	NR
	10/23/96	PES	ND<0.5	ND<0.5	0.8	ND<0.5	NR
	9/29/97	PES	ND<0.5	ND<0.5	13	ND<0.5	NR
	1/29/99	AEI	NA	NA	NA	NA	NA
	5/5/99	AEI	ND<1	ND<1	36	ND<1	ND<1
	9/10/99	AEI	ND<1	ND<1	35	ND<1	ND<1
	1/20/00	AEI	ND<1	ND<1	36	ND<1	ND<1
	8/8/00	AEI	ND<0.5	ND<0.5	50	0.72	ND<0.5
	2/15/01	AEI	ND<0.5	ND<0.5	26	0.76	ND<0.5
	8/29/01	AEI	ND<0.5	ND<0.5	28	0.87	ND<0.5
	3/12/02	AEI	ND<0.5	ND<0.5	25	0.75	ND<0.5
	9/27/02	AEI	ND<0.5	ND<0.5	17	ND<0.5	ND<0.5
	3/25/03	AEI	ND<1.0	ND<1.0	23	ND<1.0	ND<1.0
	10/2/03	AEI	ND<0.5	ND<0.5	20	0.58	ND<0.5
	10/17/06	AEI	0.68	ND<0.5	22	0.88	ND<RL
	5/3/07	**AEI**	**0.91**	**ND<0.5**	**42**	**2.0**	**ND<RL**

Well (aguifer zone)	Date	Consultant	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
AMW-6	9/13/95	Augeus	NR	ND<25	930	ND<25	NR
(shallow - 25)	4/16/96	PES	20	ND<10	1900	110	NR
	7/17/96	PES	ND<30	ND<30	3300	280	NR
	10/23/96	PES	ND<30	ND<30	2900	140	NR
	9/29/97	PES	220	70	4600	580	NR
	1/29/99	AEI	270	77	2400	390	ND<63
	5/5/99	AEI	370	110	2700	470	ND<71
	9/10/99	AEI	190	49	1400	250	ND<36
	1/20/00	AEI	210	ND<35	1600	270	ND<35
	8/8/00	AEI	150	56	1100	180	ND<25
	2/15/01	AEI	190	40	930	200	ND<25
	8/29/01	AEI	77	17	780	110	ND<10
	3/12/02	AEI	150	37	1300	170	ND<25
	9/27/02	AEI	67	ND<17	490	91	ND<17
	3/25/2003	AEI	94	ND<33	740	110	ND<33
	10/2/2003	AEI	66	13	440	60	ND<10
	10/17/2006	AEI	32	4.9	98	14	ND<RL
	5/3/2007	**AEI**	**32**	**ND<5.0**	**120**	**22**	**ND<RL**
AMW-7	9/13/95	Augeus	NR	ND<25	2350	340	NR
(shallow)	4/16/96	PES	2200	60	2300	500	NR
	7/17/96	PES	2100	ND<30	2400	530	NR
	10/23/96	PES	3100	50	3400	610	NR
	9/29/97	PES	33	20	520	100	NR
	1/29/99	AEI	22	ND<3	95	12	ND<3
	5/5/99	AEI	Well Covered During Construction				
AMW-8	9/13/95	Augeus	-	ND<25	95	ND<25	ND<25
(deep - 45)	4/16/96	PES	ND<0.5	ND<0.5	0.8	ND<0.5	ND<0.5
	7/17/96	PES	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5
	10/23/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/29/97	PES	ND<0.5	ND<0.5	0.7	ND<0.5	ND<0.5
	1/20/00	AEI	ND<0.5	ND<0.5	0.73	ND<0.5	ND<0.5
	8/8/00	AEI	NS	NS	NS	NS	NS
	2/15/01	AEI	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5
	8/29/01	AEI	NS	NS	NS	NS	NS
	3/12/02	AEI	ND<0.5	ND<0.5	7.5	ND<0.5	ND<0.5
	9/27/02	AEI	NS	NS	NS	NS	NS
	3/25/03	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/2/03	AEI	NS	NS	NS	NS	NS
	10/17/06	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	5/3/07	**AEI**	**NS**	**NS**	**NS**	**NS**	**NS**
AMW-9	9/13/95	Augeus	NR	ND<25	170	ND<25	NR
(deep - 54)	4/16/96	PES	7	ND<3	170	4	NR
	7/17/96	PES	ND<3	ND<3	190	4	NR
	10/23/96	PES	ND<3	ND<3	190	ND<3	NR
	9/29/97	PES	ND<3	ND<3	110	ND<3	NR
	1/29/99	AEI	ND<4	ND<4	90	ND<4	ND<4
	5/5/99	AEI	ND<2.5	ND<2.5	94	ND<2.5	ND<2.5
	9/10/99	AEI	ND<2.1	ND<2.1	99	ND<2.1	ND<2.1
	1/20/00	AEI	ND<0.5	ND<0.5	100	ND<0.5	ND<0.5
	8/8/00	AEI	ND<2.5	ND<2.5	130	ND<2.5	ND<2.5
	2/15/01	AEI	ND<1.0	ND<1.0	69	ND<1.0	ND<1.0
	8/29/01	AEI	ND<2.5	ND<2.5	98	ND<2.5	ND<2.5
	3/12/02	AEI	ND<2.5	ND<2.5	100	ND<2.5	ND<2.5
	9/27/02	AEI	ND<5.0	ND<5.0	80	ND<5.0	ND<5.0
	3/25/03	AEI	4.1	ND<2.5	48	ND<2.5	ND<2.5
	10/2/03	AEI	4.8	<0.5	36	1.1	ND<0.5
	10/17/06	AEI	ND<1.7	ND<1.7	73	ND<1.7	ND<RL
	5/3/07	**AEI**	**ND<2.5**	**ND<2.5**	**86**	**ND<2.5**	**ND<RL**

Well (aguifer zone)	Date	Consultant	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
FHS MW-10	10/9/97	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NR
(deep - 52)	1/29/99	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/5/99	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/10/99	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	1/20/00	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/8/00	AEI	NS	NS	NS	NS	NS
	2/15/01	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	AEI	NS	NS	NS	NS	NS
	3/12/02	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	AEI	NS	NS	NS	NS	NS
	3/25/03	AEI	1.7	ND<1.0	18	2.5	5.0**
	10/6/03	AEI	ND<0.5	ND<0.5	1.4	ND<0.5	1.0**
	10/17/06	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	5/3/2007 [1]	**AEI**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<RL**
FHS MW-11	9/29/97	PES	ND<0.5	ND<0.5	4	ND<0.5	NR
(deep 64.5)	1/29/99	AEI	ND<0.5	ND<0.5	7	ND<0.5	ND<0.5
	5/5/99	AEI	ND<0.5	ND<0.5	7.1	ND<0.5	ND<0.5
	9/10/99	AEI	ND<0.5	ND<0.5	7.5	ND<0.5	ND<0.5
	1/20/00	AEI	ND<0.5	ND<0.5	7.5	ND<0.5	ND<0.5
	8/8/00	AEI	ND<0.5	ND<0.5	38	ND<0.5	ND<0.5
	2/15/01	AEI	ND<0.5	ND<0.5	18	ND<0.5	ND<0.5
	8/29/01	AEI	ND<0.5	ND<0.5	16	ND<0.5	ND<0.5
	3/12/02	AEI	ND<0.5	ND<0.5	13	ND<0.5	0.77**
	9/27/02	AEI	ND<1	ND<1	13	ND<1	6.4** 1.1***
	3/25/03	AEI	0.78	ND<0.5	12	0.88	4.0** 1.0****
	10/2/03			Well Inaccessible			
	10/17/06	AEI	ND<0.5	ND<0.5	20	ND<0.5	ND<RL
	5/3/2007 [1]	**AEI**	**ND<0.5**	**ND<0.5**	**25**	**1.1**	**ND<RL**
MW-6	3/11/95	EMCON	ND<20	ND<0.5	1300	ND<20	NR
(deep 48.69)	6/5/95	EMCON	ND<20	ND<20	2000	ND<20	NR
	8/29/95	EMCON	ND<20	ND<20	1300	ND<20	NR
	9/11/95	Augeus	NR	ND<50	2000	ND<50	NR
	11/16/95	EMCON	ND<20	ND<20	1300	ND<20	NR
	2/28/96	EMCON	ND<20	ND<20	960	ND<20	NR
	4/16/96	PES	10	10	1400	10	NR
	5/28/96	EMCON	ND<20	ND<20	970	ND<20	NR
	7/17/96	PES	ND<5	ND<5	590	ND<5	NR
	8/19/96	EMCON	ND<20	ND<20	820	ND<20	NR
	10/23/96	PES	ND<5	ND<5	680	ND<5	NR
	11/21/96	EMCON	ND<20	ND<20	680	ND<20	NR
	3/26/97	EMCON	ND<40	ND<40	830	ND<40	NR
	5/20/97	EMCON	ND<5	ND<5	270	ND<5	NR
	9/29/97	PES	ND<10	ND<10	670	ND<10	NR
	1/29/99	AEI	1.4	ND<1.3	49	3	ND<1.3
	5/5/99	AEI	19	ND<11	530	38	ND<11
	9/10/99	AEI	27	ND<12	560	53	ND<12
	1/20/00	AEI	18	ND<8.5	660	31	ND<8.5
	8/8/00	AEI	98	16	1700	170	ND<5
	2/15/01	AEI	64	ND<10	650	87	ND<10
	8/29/01	AEI	19	ND<5.0	550	38	ND<5.0
	3/12/02	AEI	61	ND<20	1200	99	ND<20
	9/27/02	AEI	ND<12	ND<12	300	27	ND<12
	3/25/03	AEI	2.6	ND<2.5	49	3.8	ND<2.5
	10/2/03	AEI	13	ND<5.0	340	21	ND<5.0
	10/17/06	AEI	16	ND<5.0	320	18	ND<RL
	5/3/07	**AEI**	**0.92**	**ND<0.5**	**39**	**2.1**	**ND<RL**

Well (aguifer zone)	Date	Consultant	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
MW-7	3/11/95	EMCON	NS	NS	NS	NS	NS
(shallow - 38)	6/5/95	EMCON	ND<10	ND<10	ND<10	ND<10	ND<10
	8/29/95	EMCON	ND<10	ND<10	ND<10	ND<10	ND<10
	9/11/95	Augeus	85	ND<50	-	ND<50	ND<50
	11/16/95	EMCON	ND<20	ND<20	ND<20	ND<20	ND<20
	2/28/96	EMCON	ND<10	ND<10	ND<10	ND<10	ND<10
	4/16/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/28/96	EMCON	ND<10	ND<10	ND<10	ND<10	ND<10
	7/17/96	PES	0.6	ND<0.5	ND<0.5	0.6	ND<0.5
	8/19/96	EMCON	ND<1	ND<1	ND<1	ND<1	ND<1
	10/23/96	PES	0.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/21/96	EMCON	ND<10	ND<10	ND<10	ND<10	ND<10
	3/26/97	EMCON	ND<20	ND<20	ND<20	ND<20	ND<20
	5/20/97	EMCON	ND<10	ND<10	ND<10	ND<10	ND<10
	9/29/97	PES	ND<10	ND<10	ND<10	ND<10	ND<10
	1/20/00	AEI	ND<6.5	ND<6.5	ND<6.5	ND<6.5	ND<6.5
	8/8/00	AEI	NS	NS	NS	NS	NS
	2/15/01	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	AEI	NS	NS	NS	NS	NS
	3/12/02	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	AEI	NS	NS	NS	NS	NS
	3/25/03	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/2/03	AEI	NS	NS	NS	NS	NS
	10/17/06	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL*****
	5/3/07	**AEI**	**NS**	**NS**	**NS**	**NS**	**NS**
WGR MW-2	10/17/06	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
(Shallow)	**5/3/07**	**AEI**	**NS**	**NS**	**NS**	**NS**	**NS**
WGR MW-3	10/17/06	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
(Shallow)	**5/3/07**	**AEI**	**NS**	**NS**	**NS**	**NS**	**NS**
WGR MW-4	4/16/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
(deep)	7/17/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/23/96	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/29/97	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/15/01	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	AEI	NS	NS	NS	NS	NS
	3/12/02	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	AEI	NS	NS	NS	NS	NS
	3/25/03	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/2/03	AEI	NS	NS	NS	NS	NS
	10/17/06	AEI	ND<0.5	ND<0.5	0.62	ND<0.5	ND<RL
	5/3/07	**AEI**	**NS**	**NS**	**NS**	**NS**	**NS**

Table 2 Notes:

Please refer to the Laboratory Analytical Data for further detailed lab information including Reporting Limits and Dilution Factors

*VHCs = All other chemicals by EPA method 601/8010 or 8260

** Chloroform (trichloromethane)

*** Dibromochloromethane

**** Methylene Chloride

***** bromodichloromethane

cis 1,2-Dichloroethene (cis 1,2 DCE)

trans 1,2-Dichloroethene (trans 1,2 DCE)

[1] = Reported by laboratroy without letters FHS as prefix

* Available data from AMW-7 is presented although this well was covered during 1999 construction activities

RL = Reporting Limit

NS = Well not sampled

NR = Not Reported

µg/L = micrograms per liter (parts per billion)

Tetrachloroethene (PCE)

Trichloroethene (TCE)

APPENDIX A

GROUNDWATER MONITORING WELL FIELD SAMPLING FORMS

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-1

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	64.51		
Depth of Well	45.00		
Depth to Water (from top of casing)	18.61		
Water Elevation (feet above msl)	45.90		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**12.7**		
Actual Volume Purged (gallons)	13.0		
Appearance of Purge Water	Starts Clear. Light brown @ 10 gal to 13 gal		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
14:00	2	20.26	6.96	1411	1.14	101.2	
	4	21.38	6.96	1542	0.72	65.2	
	6	20.63	7.06	1553	2.26	64.3	
	8	20.26	7.1	1423	0.9	33.5	
14:26	10	21.76	7.21	1492	3.56	62.4	
14:37	13	20.73	7.19	1111	3.56	84.3	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well went dry @ 10 gallons 14:26pm. Recharged at 14:35pm

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-4

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	64.79		
Depth of Well	25.00		
Depth to Water (from top of casing)	11.11		
Water Elevation (feet above msl)	53.68		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**6.7**		
Actual Volume Purged (gallons)	7.0		
Appearance of Purge Water	grey, clears at 2 gallons		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size: 2 VOAs

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
10:45	1	17.25	7.29	1280	3.17	79.2	
	2	18.98	7.14	1240	2.62	81.3	
	3	19.2	7.11	1270	2.3	80.4	
	4	19.35	7.09	1403	1.86	81.5	
	5	19.44	7.08	1440	1.65	81.4	
10:55	7	19.55	7.08	1457	1.47	81.4	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-5

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	64.97		
Depth of Well	30.00		
Depth to Water (from top of casing)	13.92		
Water Elevation (feet above msl)	51.05		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**7.7**		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	Clear		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size: 2 VOAs

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
9:50	2	18.27	7.15	1535	2.03	91.4	
	3	19.16	7.04	1537	1.79	87.7	
	4	19.22	7.03	1539	1.59	84.5	
	6	19.32	7.00	1542	1.32	80.8	
10:00	8	19.39	7.01	1550	0.97	75	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-6

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	65.10		
Depth of Well	25.00		
Depth to Water (from top of casing)	13.04		
Water Elevation (feet above msl)	52.06		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**5.7**		
Actual Volume Purged (gallons)	6.0		
Appearance of Purge Water	clears quickly		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size: 2 VOAs

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
12:30	1	18.26	7.27	1657	2.97	172.8	
	2	18.54	7.09	1658	2.55	168.3	
	3	18.59	7.04	1659	2.19	160.9	
	4	18.76	7.01	1659	1.8	151.4	
	5	18.76	7.01	1662	1.56	144.7	
12:40	6	18.79	7.01	1663	1.4	141.2	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-8

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	64.55		
Depth of Well	45.00		
Depth to Water (from top of casing)	23.01		
Water Elevation (feet above msl)	41.54		
Well Volumes Purged	NA		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**NA**		
Actual Volume Purged (gallons)	Not sampled		
Appearance of Purge Water	--		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well not sampled

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-9

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	63.48		
Depth of Well	54.30		
Depth to Water (from top of casing)	23.17		
Water Elevation (feet above msl)	40.31		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**14.9**		
Actual Volume Purged (gallons)	15.0		
Appearance of Purge Water	clear changing to light brown @ 5 gal. Clear @ 12 gal		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size: 2 VOAs

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
10:45	2	20.88	7.27	1694	0.70	88.7	
	3	21.29	7.27	1850	2.25	75.4	
10:55	5	23.35	6.92	922	1.98	93	
	8	22.64	7.09	1944	0.4	76.5	
	12	22.36	6.96	1665	0.44	96.1	
12:02	15	22.83	6.89	1937	0.29	89.4	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well dry @ 5 gal. Recharged @ 11:40.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-2

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	63.18		
Depth of Well	28.00		
Depth to Water (from top of casing)	24.11		
Water Elevation (feet above msl)	39.07		
Well Volumes Purged	NA		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**NA**		
Actual Volume Purged (gallons)	Not sampled		
Appearance of Purge Water	--		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well not sampled

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-3

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	58.34		
Depth of Well	27.00		
Depth to Water (from top of casing)	18.37		
Water Elevation (feet above msl)	39.97		
Well Volumes Purged	NA		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**NA**		
Actual Volume Purged (gallons)	Not sampled		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well not sampled

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-4

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	60.02		
Depth of Well	44.96		
Depth to Water (from top of casing)	26.13		
Water Elevation (feet above msl)	33.89		
Well Volumes Purged	NA		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**NA**		
Actual Volume Purged (gallons)	Not Sampled		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well not sampled

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-10

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	52.34		
Depth of Well	51.94		
Depth to Water (from top of casing)	23.97		
Water Elevation (feet above msl)	28.37		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**13.4**		
Actual Volume Purged (gallons)	14.0		
Appearance of Purge Water	Clear. Light brown from 8 to 9 gal.		
Free Product Present?		Thickness (ft):	-

12

14

Number of Samples/Container Size	2 VOAs						
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
13:10	2	19.67	6.86	495	6.28	143.2	
	4	19.58	6.52	577	2.48	114.3	
	6	19.58	6.46	577	1.83	103.3	
	8	19.58	6.51	579	1.46	91	
	10	19.63	6.49	579	1.22	86.3	
	12	19.61	6.5	578	1.03	82.5	
13:25	14	19.72	6.48	577	0.8	78.6	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

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GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-11

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	54.06		
Depth of Well	64.07		
Depth to Water (from top of casing)	26.25		
Water Elevation (feet above msl)	27.81		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**18.2**		
Actual Volume Purged (gallons)	18.0		
Appearance of Purge Water	clear		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
15:00	3	20.61	80.5	759	2.55	33.1	
	6	20.03	6.81	770	1.5	67	
	9	20.11	6.65	770	0.9	64.9	
	12	20.14	6.63	770	0.78	62.5	
	15	20.14	6.59	768	0.69	58.5	
15:16	18	20.16	6.58	766	0.6	58.7	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-6

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	61.78		
Depth of Well	48.69		
Depth to Water (from top of casing)	32.54		
Water Elevation (feet above msl)	29.24		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**7.8**		
Actual Volume Purged (gallons)	8.0		
Appearance of Purge Water	Clear		
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size: 2 VOAs

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
13:00	1	18.62	7.01	1466	0.63	150.7	
	2	18.83	6.88	1477	2.87	149.8	
	4	19.18	6.79	1471	1.29	129.7	
	6	19.21	6.79	1462	0.88	118.7	
13:14	8	19.31	6.79	1453	0.54	105.7	

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-7

Project Name:	Foothill Square	Date of Sampling:	5/3/2007
Job Number:	261829	Name of Sampler:	R Bartlett
Project Address:	10700 MacArthur Blvd., Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	58.64		
Depth of Well	38.00		
Depth to Water (from top of casing)	19.52		
Water Elevation (feet above msl)	39.12		
Well Volumes Purged	NA		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**NA**		
Actual Volume Purged (gallons)	Not sampled		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size: 2 VOAs

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well not sampled

APPENDIX B

LABORATORY ANALYTICAL REPORT WITH CHAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #261829; Foothill Square	Date Sampled: 05/02/07-05/03/07
		Date Received: 05/03/07
	Client Contact: Jeremy Smith	Date Reported: 05/09/07
	Client P.O.:	Date Completed: 05/09/07

WorkOrder: 0705126

May 09, 2007

Dear Jeremy:

Enclosed are:

1). the results of **8** analyzed samples from your **#261829; Foothill Square project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

070512b

AEL

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☒ Yes ☐ No

Report To: Jeremy Smith **Bill To:** same **P.O. #**

Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 **E-Mail:** jasmith@aeiconsultants.com
Tele: (925) 944-2899 **Fax:** (925) 283-6121
Project #: 261829 **Project Name:** Foothill Square
Project Location: 10700 MacArthur Blvd. Oakland, CA
Sampler Signature: R Bartlett

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
MW-10		5/4/07	15:35	3	VOA	X					X			
MW-11		5/4/07	15:45	3	VOA	X					X			
AMW-1		5/2/07	16:00	3	VOA	X					X			
AMW-4		5/3/07	14:17	3	VOA	X					X			
AMW-5		5/3/07	14:30	3	VOA	X					X			
AMW-9		5/3/07	14:50	3	VOA	X					X			
AMW-6		5/3/07	15:10	3	VOA	X					X			
MW-6		5/3/07	15:25	3	VOA	X					X			

Analysis Request	Other	Comments
BTEX & TPH as Gas (602/8020 + 8015)/MTBE		
TPH as Diesel (8015) w/silica Gel Cleanup		
Total Petroleum Oil & Grease (5520 E&F/B&F)		
Total Petroleum Hydrocarbons (418.1)		
HVOCs EPA 8260		
BTEX ONLY (EPA 602 / 8020)		
EPA 608 / 8080		
EPA 608 / 8080 PCB's ONLY		
EPA 624 / 8260		
EPA 625 / 8270		
PAH's / PNA's by EPA 625 / 8270 / 8310		
CAM-17 Metals		
LUFT 5 Metals		
Lead (7240/7421/239.2/6010)		
RCI		

Relinquished By:	Date:	Time:	Received By:
R Bartlett	5/3/07	1630	Envirotech T.L
Relinquished By: Sam, Envirotech	Date: 5/3	Time: 1708	Received By:
Relinquished By:	Date: 5/3	Time: 1800	Received By:

ICE/t° 4°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB _____ PERSERVED IN LAB _____

PRESERVATION APPROPRIATE ✓ CONTAINERS ✓

VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0705126 **ClientID: AEL**

☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597

Email: jasmith@aeiconsultants.com
TEL: (925) 283-600 FAX: (925) 944-289
ProjectNo: #261829; Foothill Square
PO:

Bill t
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received **05/03/2007**
Date Printed: **05/03/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0705126-001	MW-10	Water	5/2/2007 3:35:00	☐	A	A										
0705126-002	MW-11	Water	5/2/2007 3:45:00	☐	A											
0705126-003	AMW-1	Water	5/2/2007 4:00:00	☐	A											
0705126-004	AMW-4	Water	5/2/2007 2:17:00	☐	A											
0705126-005	AMW-5	Water	5/3/2007 2:30:00	☐	A											
0705126-006	AMW-9	Water	5/3/2007 2:50:00	☐	A											
0705126-007	AMW-6	Water	5/3/2007 3:10:00	☐	A											
0705126-008	MW-6	Water	5/3/2007 3:25:00	☐	A											

Test Legend:

1	8010BMS_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Chloe Lam

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **05/03/07 9:22:47 PM**
Project Name: **#261829; Foothill Square**
Checklist completed and reviewed by: Chloe Lam
WorkOrder N°: **0705126** Matrix Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
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AEI Consultants	Client Project ID: #261829; Foothill Square	Date Sampled: 05/02/07-05/03/07
2500 Camino Diablo, Ste. #200		Date Received: 05/03/07
	Client Contact: Jeremy Smith	Date Extracted: 05/06/07-05/07/07
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/06/07-05/07/07

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0705126

Lab ID	0705126-001A	0705126-002A	0705126-003A	0705126-004A	Reporting Limit for DF =1	
Client ID	MW-10	MW-11	AMW-1	AMW-4		
Matrix	W	W	W	W	S	W
DF	1	1	1	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	NA	0.5
Bromoform	ND	ND	ND	ND	NA	0.5
Bromomethane	ND	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND	ND	NA	0.5
Chlorobenzene	ND	ND	ND	ND	NA	0.5
Chloroethane	ND	ND	ND	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	NA	1.0
Chloroform	ND	ND	ND	4.3	NA	0.5
Chloromethane	ND	ND	ND	ND	NA	0.5
Dibromochloromethane	ND	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethane	ND	ND	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	ND	ND	ND	2.7	NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND	ND	NA	0.5
Methylene chloride	ND	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NA	0.5
Tetrachloroethene	ND	25	ND	5.1	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND	ND	NA	0.5
Trichloroethene	ND	1.1	0.69	1.2	NA	0.5
Trichlorofluoromethane	ND	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	103	104	104	102		
%SS2:	95	95	99	96		
%SS3:	95	93	101	95		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #261829; Foothill Square	Date Sampled: 05/02/07-05/03/07
2500 Camino Diablo, Ste. #200		Date Received: 05/03/07
	Client Contact: Jeremy Smith	Date Extracted: 05/06/07-05/07/07
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/06/07-05/07/07

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0705126

Lab ID	0705126-005A	0705126-006A	0705126-007A	0705126-008A	Reporting Limit for DF =1	
Client ID	AMW-5	AMW-9	AMW-6	MW-6		
Matrix	W	W	W	W	S	W
DF	1	5	10	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
Bromoform	ND	ND<2.5	ND<5.0	ND	NA	0.5
Bromomethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
Carbon Tetrachloride	ND	ND<2.5	ND<5.0	ND	NA	0.5
Chlorobenzene	ND	ND<2.5	ND<5.0	ND	NA	0.5
Chloroethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND<5.0	ND<10	ND	NA	1.0
Chloroform	ND	ND<2.5	ND<5.0	ND	NA	0.5
Chloromethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
Dibromochloromethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND<2.5	ND<5.0	ND	NA	0.5
Dichlorodifluoromethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,1-Dichloroethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,1-Dichloroethene	ND	ND<2.5	ND<5.0	ND	NA	0.5
cis-1,2-Dichloroethene	0.91	ND<2.5	32	0.92	NA	0.5
trans-1,2-Dichloroethene	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,2-Dichloropropane	ND	ND<2.5	ND<5.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND<2.5	ND<5.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND<2.5	ND<5.0	ND	NA	0.5
Methylene chloride	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
Tetrachloroethene	42	86	120	39	NA	0.5
1,1,1-Trichloroethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
Trichloroethene	2.0	ND<2.5	22	2.1	NA	0.5
Trichlorofluoromethane	ND	ND<2.5	ND<5.0	ND	NA	0.5
Vinyl Chloride	ND	ND<2.5	ND<5.0	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	103	103	102	101		
%SS2:	96	95	95	95		
%SS3:	94	89	89	94		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0705126

EPA Method SW8260B	Extraction SW5030B	BatchID: 27851	Spiked Sample ID: 0705122-015B

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	112	116	2.97	107	108	0.736	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	120	126	4.64	99	105	5.93	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	124	123	1.12	124	120	3.22	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	102	106	4.01	99.8	98	1.79	70 - 130	30	70 - 130	30
%SS1:	101	10	106	105	1.44	102	101	1.08	70 - 130	30	70 - 130	30
%SS2:	94	10	106	103	2.85	107	105	1.24	70 - 130	30	70 - 130	30
%SS3:	98	10	106	107	0.493	96	99	2.78	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 27851 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0705126-001A	05/02/07 3:35 PM	05/06/07	05/06/07 3:20 PM	0705126-002A	05/02/07 3:45 PM	05/06/07	05/06/07 4:05 PM
0705126-003A	05/02/07 4:00 PM	05/06/07	05/06/07 4:50 PM	0705126-004A	05/02/07 2:17 PM	05/06/07	05/06/07 5:36 PM
0705126-005A	05/03/07 2:30 PM	05/06/07	05/06/07 6:20 PM	0705126-006A	05/03/07 2:50 PM	05/07/07	05/07/07 3:54 PM
0705126-007A	05/03/07 3:10 PM	05/07/07	05/07/07 4:36 PM	0705126-008A	05/03/07 3:25 PM	05/06/07	05/06/07 8:37 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.