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Alameda County
Environmental Health

**MacArthur Boulevard Associates
c/o Jay-Phares Corporation
10700 MacArthur Boulevard
Oakland, CA 94605
510-562-9500**

December 7, 2010

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

**Subject: Designation of Authorized Agents of
MacArthur Boulevard Associates
10700 MacArthur Blvd.
Oakland, California
AEI Project # 261829
Toxics Case No. RO0002580**

Dear Mr. Wickham:

ACEH has issued the following requirement:

“PERJURY STATEMENT

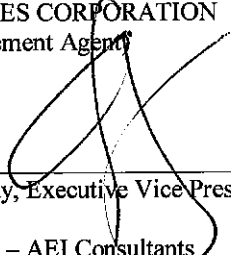
All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case."

This purpose of this letter is to designate and identify Jeremy Smith and Peter McIntyre of AEI Consultants, either acting alone or together, as “authorized representatives” of MacArthur Boulevard Associates, a California limited partnership, for the purpose of executing and submitting to ACEH on its behalf any cover letter or perjury statement in compliance with the above-quoted requirement.

Sincerely,

MACARTHUR BOULEVARD ASSOCIATES
(a California limited partnership)

BY: JAY-PHARES CORPORATION
(Its Management Agent)

By: 
John Jay, Executive Vice President

cc: Jeremy Smith – AEI Consultants

December 3, 2010

GROUNDWATER MONITORING REPORT
2nd Semester, 2010

10700 MacArthur Boulevard
Oakland, California

AEI Project No. 261829
Toxics Case No. RO0002580

Prepared For

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

Prepared By

AEI Consultants
2500 Camino Diablo Blvd.
Walnut Creek, CA 94597
(925) 746-6000

AEI



2500 Camino Diablo, Walnut Creek, CA 94597
tel 800-801-3224
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ENVIRONMENTAL & ENGINEERING SERVICES

www.aeiconsultants.com

December 3, 2010

Jay-Phares Corporation
Attn: John Jay
10700 MacArthur Blvd.
Oakland, CA 94605

**Subject: Semiannual Groundwater Monitoring Report
 2nd Semester, 2010**
10700 MacArthur Boulevard
Oakland, California
AEI Project No. 261829
Toxics Case No. RO0002580

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). This report summarizes the activities and results of the semi-annual monitoring activities conducted on October 22, October 25, and November 10, 2010.

Site Description and Background

The subject property (hereinafter referred to as the site or property) is located at 10700 MacArthur Boulevard (Figure 1). The site is approximately 13.5 acres in size and is currently developed with the Foothill Square Shopping Center. The shopping center consists of five buildings, together totaling approximately 155,600 square feet. The area of concern is the former Youngs Cleaners, located on the north side of the property.

The site is situated in a mixed commercial and residential area of Oakland. The site is bound by MacArthur Boulevard to the west, Foothill Boulevard to the east, and 108th Avenue to the south. An ARCO gasoline station is located adjacent to the northwest and residences to the north. Refer to Figure 2 for a site plan of the western section of the Foothill Square Shopping Center property.

Extensive site assessment activities have been conducted to date including the installation of multiple monitoring wells, soil borings, and soil vapor borings, as well as source removal excavation. The most recent investigation included additional soil vapor borings which completed vapor phase contaminate delineation for the site. An approval for pilot study site mitigation activities has been obtained from the ACHCSA, however the pilot study has yet to commence. For a complete history of previous site investigation activities as well as planned pilot study details, please refer to AEI's *Supplemental Soil Vapor Investigation Report* dated June 25, 2008.

The remainder of this report documents the activities and results of the recent groundwater sampling event.

Summary of Activities

On October 22 and 25, 2010, AEI gauged the groundwater levels in each of the accessible thirteen active groundwater monitoring wells at the site and groundwater samples were collected from nine of the wells (AMW-1, AMW-4, AMW-5, AMW-6, AMW-8, AMW-9, MW-6, MW-7, and WGR-MW-4) in accordance with the approved sampling schedule. Despite the placement of "no parking signs" by AEI, wells FHS MW-10 and FHS MW-11 were not accessible during either of these two days due to parked cars over the wells. All accessible 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 to be sampled were then purged of at least three well volumes either using a battery powered submersible pump or bailed by hand. 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). Groundwater samples were analyzed for halogenated volatile organic compounds (HVOCs) using EPA Method 8260.

Due to some questions regarding data quality for groundwater level measurements, the depth to groundwater was again measured on November 10, 2010. Depth to groundwater measurements were obtained from all accessible wells (wells FHS MW-10 and FHS MW-11 were again obstructed by parked cars) during the November 10, 2010 gauging event. The depth to water

from this gauging event was used to create a groundwater flow map. Depth to water data from the October sampling events is not being reported.

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 15 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.

Overall, groundwater levels at the site decreased several feet in the wells since the last monitoring event. Groundwater levels in the shallow aquifer ranged from 36.48 to 51.94 feet above mean sea level (amsl) on November 10, 2010. Groundwater was determined to flow to the west at a hydraulic gradient of 0.04 feet per foot, both consistent with previous episodes. Groundwater levels in the deeper, apparently confined/semi-confined aquifer, ranged from 25.91 to 45.14 feet above msl on November 10, 2010. Groundwater flow in the deep aquifer was toward the southwest at a hydraulic gradient of 0.08 feet per foot, relatively 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 tetrachloroethene (PCE), trichloroethylene (TCE), and cis-1,2 dichloroethylene (cis-1,2 DCE) detected in groundwater from the shallow wells was from well AMW-6 at 260 micrograms per liter ($\mu\text{g/L}$), 42 $\mu\text{g/L}$, and 48 $\mu\text{g/L}$, respectively. The concentration of PCE in well AMW-6 decreased since the last sampling event, back to a concentration consistent with the recent sampling events. The concentrations from the remaining shallow wells were relatively consistent with recent sampling data. The highest concentrations of PCE, TCE, and cis-1,2 DCE in the deeper zone were found in well MW-6 at 400 $\mu\text{g/L}$, 30 $\mu\text{g/L}$, and 26 $\mu\text{g/L}$, respectively. PCE was also detected in well AMW-9 at a concentration of 93 $\mu\text{g/L}$. The concentrations in MW-6 are higher than the recent results, however relatively consistent with the historical results. The PCE concentration detected in well AMW-9 is lower than recent sampling events.

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 in groundwater beneath the site appear relatively stable. The ACHCSA, in a letter dated July 10, 2008, concurred that no further characterization is necessary to investigate shallow soil vapor beneath the site and AEI may commence with the pilot testing activities at the site. The pilot testing activities are currently scheduled to take place in conjunction with site remodeling activities, which have not yet been scheduled. However, tenants in the vicinity of the proposed pilot study activities have since been relocated and the tenant spaces are currently empty. Furthermore, the units will remain empty and not be occupied until pilot study activities have been completed. The pilot study was previously due on April 16, 2010; however, the remodeling activities have not been scheduled. A new date has not been established for the pilot study; however, tenant spaces will remain vacant pending the results of the pilot study activities. The ACHCSA will be notified once a pilot study schedule has been established. The monitoring well network will continue to be sampled by AEI in accordance with the approved sampling schedule, with the next sampling event scheduled during April 2011.


Report Limitations and Signatures

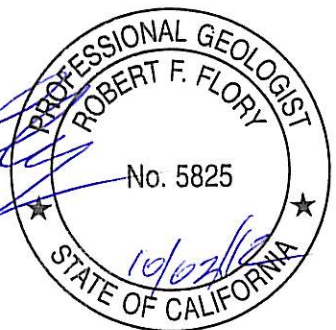
This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen 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) 746-6000.

Sincerely,
AEI Consultants


Jeremy Smith, REA II
Senior Project Manager


Robert F. Flory, PG, REA
Senior Project Geologist



The seal is circular with the text "PROFESSIONAL GEOLOGIST" at the top, "ROBERT F. FLORY" in the center, "No. 5825" below the name, and "STATE OF CALIFORNIA" at the bottom. There are two stars on either side of the bottom text. A handwritten date "10/03/10" is written across the bottom of the seal.

Figures

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation Map – Shallow Wells
Figure 4	Groundwater Elevation Map – Deep Wells
Figure 5	Groundwater Analytical Data

Tables

Table 1	Groundwater Level Data
Table 2	Groundwater Sample Analytical Data

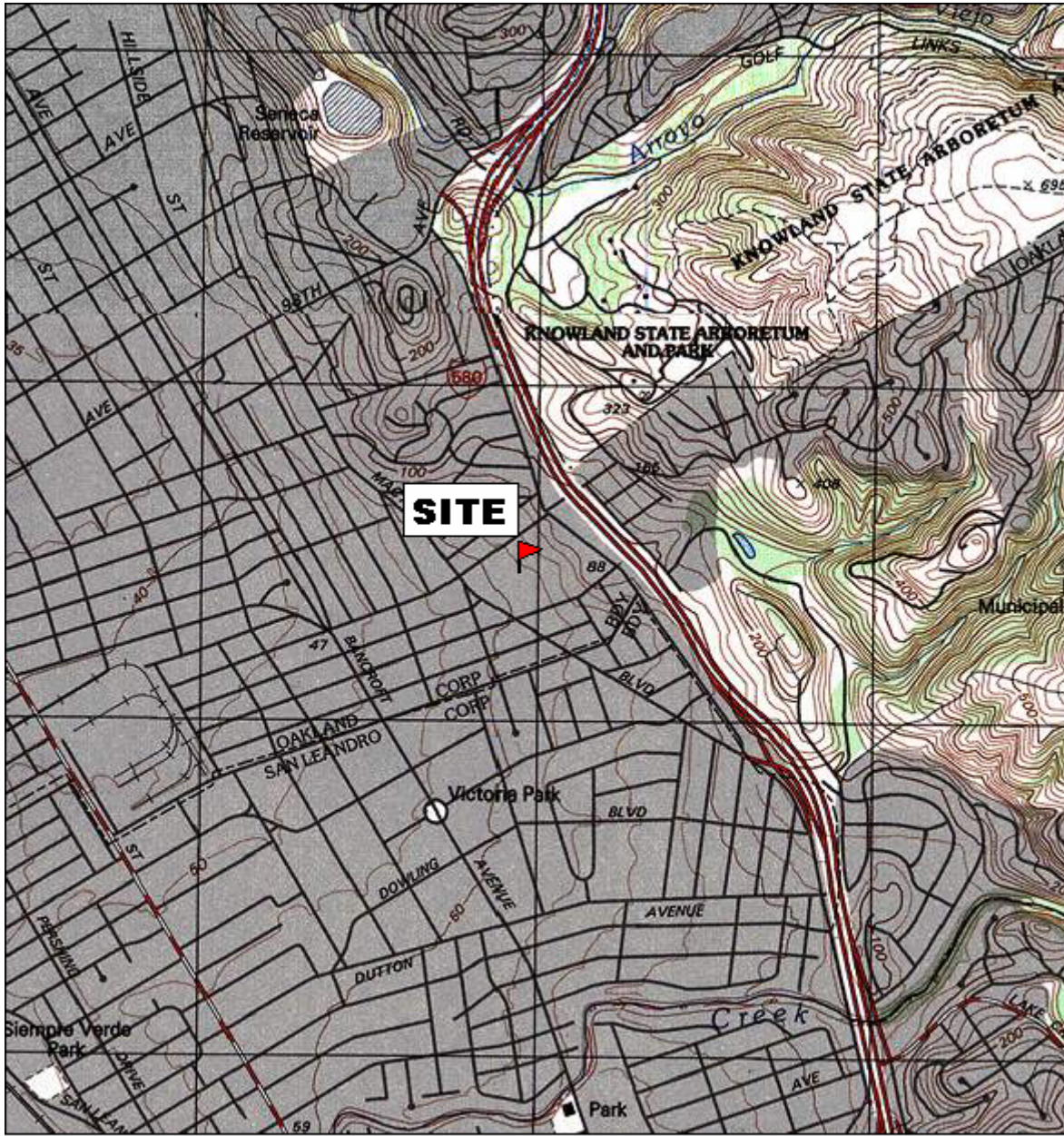
Appendices

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

Distribution

Mr. Jerry Wickham, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250,
Alameda, CA 94502 (electronic copy)
Jay-Phares Corporation, Attn; John Jay, 10700 MacArthur Blvd., Oakland, California 94605
Geotracker electronic upload

FIGURES

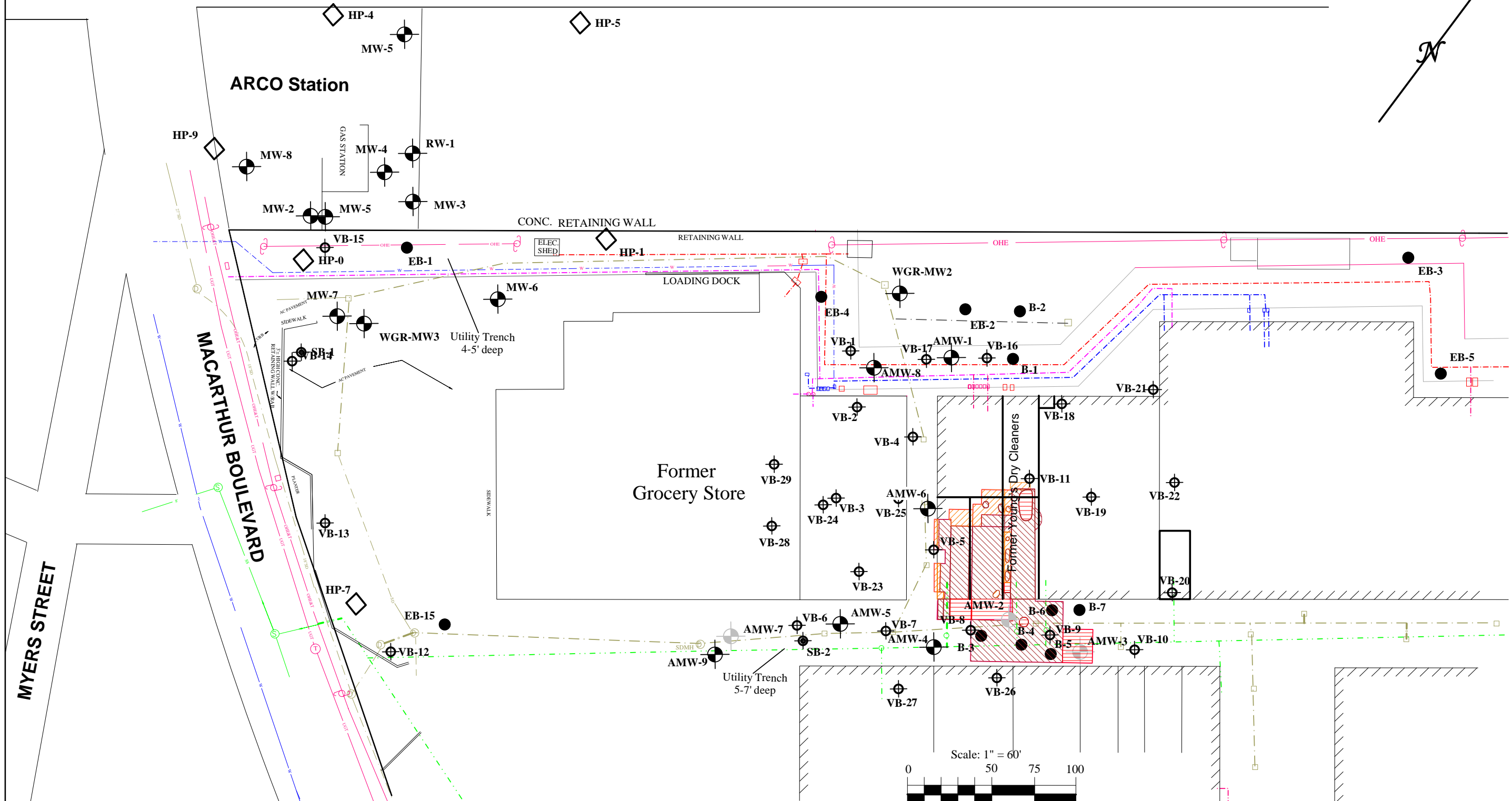
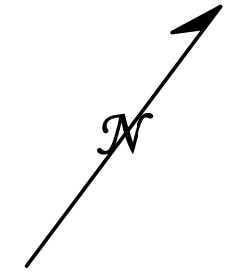


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AEI CONSULTANTS 2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597	
SITE LOCATION MAP	
10700 MACARTHUR BLVD OAKLAND, CALIFORNIA	FIGURE 1 PROJECT No. 261829



- KEY**
- EB-1 ● Soil Boring - Kaldveer 1988
 - B-1 ● Soil Boring - Augeas 1994
 - HP-8 ◊ CPT Boring/HydroPunch Sample - PES 1997
 - MW-4 ⊕ Groundwater Monitoring Well
 - ⊕ Soil Vapor Sample
 - ⊕ Soil Boring - AEI 2006

- Excavated to depth of 5 to 7 feet bgs
- Excavated to depth of 8 to 13 feet bgs
- Excavated to depth of 14 to 18 feet bgs
- Abandoned Monitoring Well

- On Site Storm Drain
- Off Site Storm Drain
- On Site Sanitary Sewer
- Off Site Sanitary Sewer
- On Site Underground Power
- On Site Gas Line

Drafted 6/30/05 - RFF on Dirk Slooten base
Revised 05/08 by J.SMITH

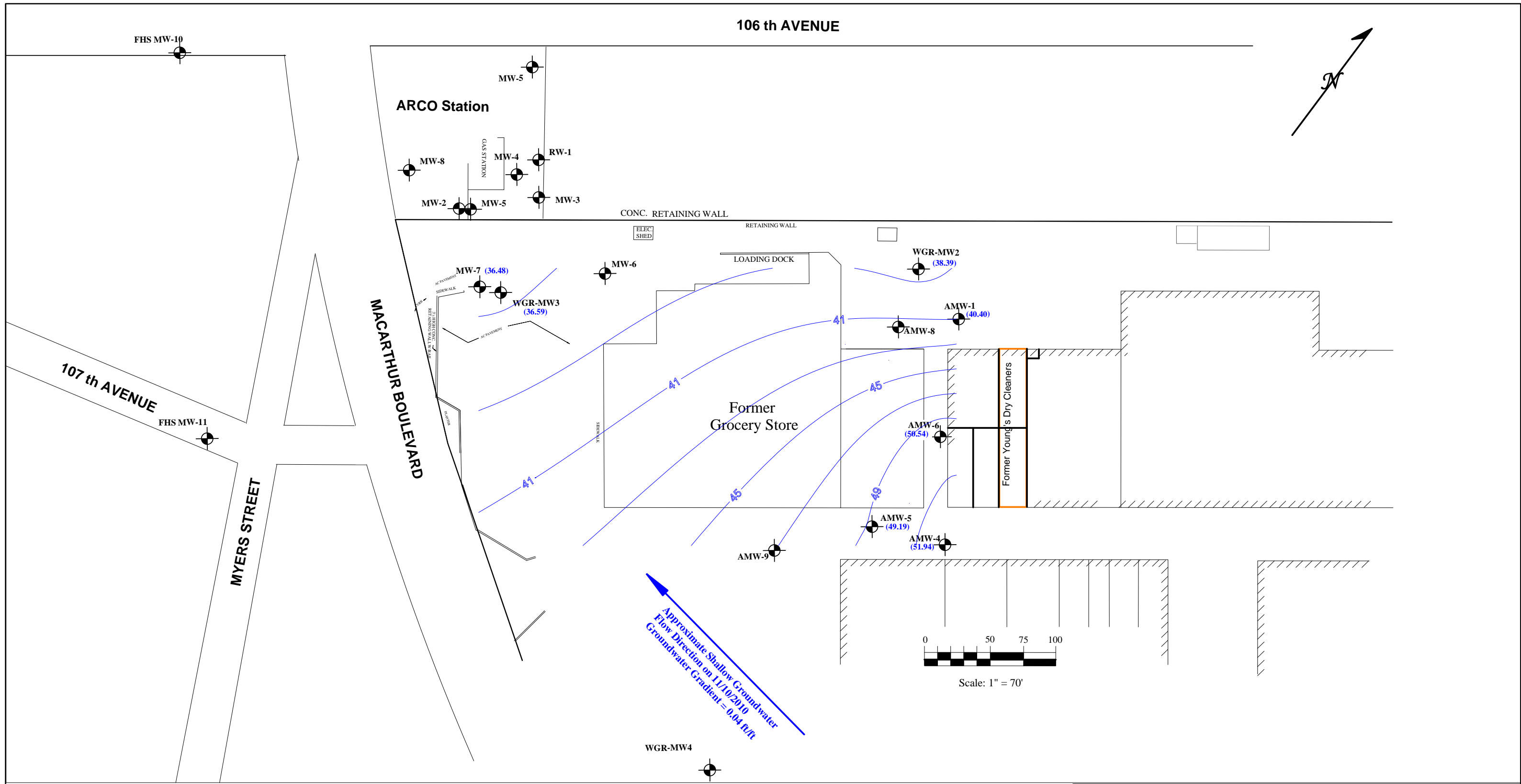
AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

SITE PLAN

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 2
PROJECT NO. 261829



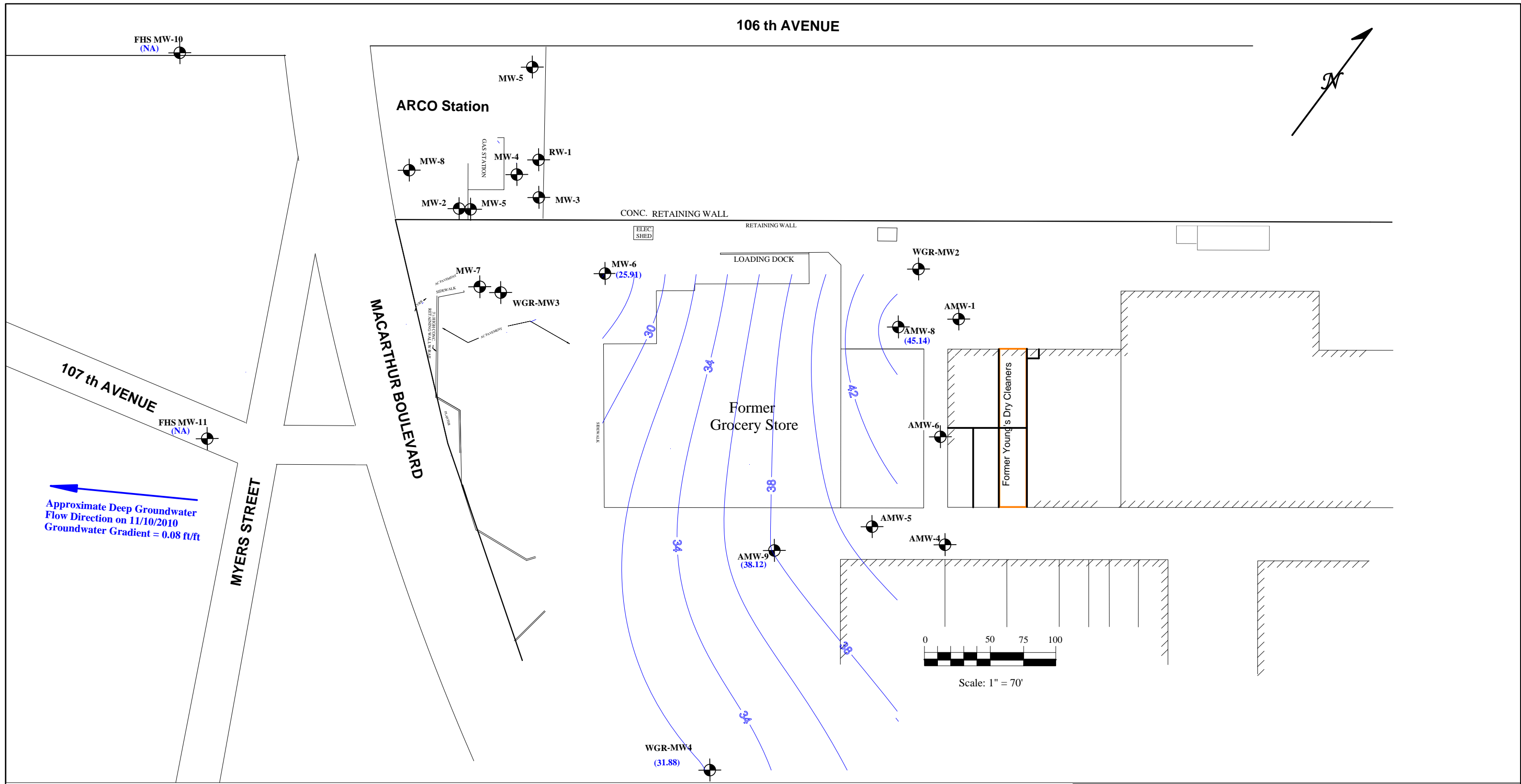
KEY

Groundwater Monitoring Well




MW4 (49.91) = Groundwater Elevation (feet)

Groundwater Contour in 2 foot intervals

AEI CONSULTANTS	
2500 CAMINO DIABLO, WALNUT CREEK, CA	
Groundwater Elevation Map - Shallow Wells	
10700 MACARTHUR BLVD. OAKLAND, CALIFORNIA	FIGURE 3 PROJECT NO. 261829



KEY

-  Groundwater Monitoring Well
-  MW4
- (49.91) = Groundwater Elevation (feet)
-  Groundwater Contour in 2 foot intervals

AEI CONSULTANTS

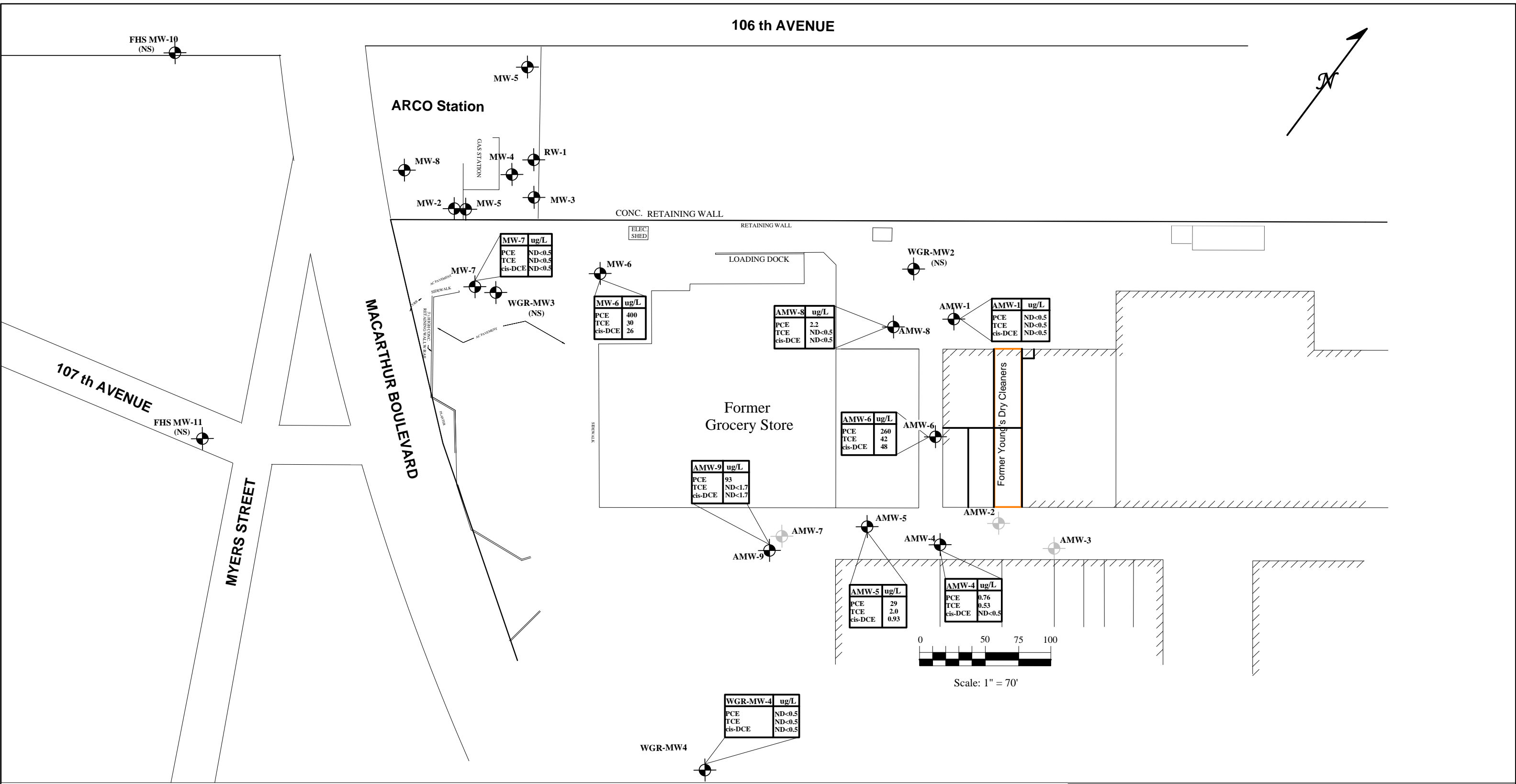
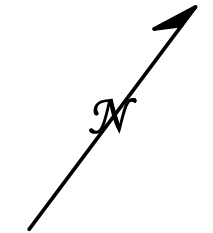
2500 CAMINO DIABLO, WALNUT CREEK, CA

**Groundwater Elevation Map -
Deep Wells**

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 4
PROJECT NO. 261829

106 th AVENUE



MW-7 ug/L	
PCE	ND<0.5
TCE	ND<0.5
cis-DCE	ND<0.5

MW-6 ug/L	
PCE	400
TCE	30
cis-DCE	26

AMW-8 ug/L	
PCE	2.2
TCE	ND<0.5
cis-DCE	ND<0.5

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

AMW-6 ug/L	
PCE	260
TCE	42
cis-DCE	48

AMW-9 ug/L	
PCE	93
TCE	ND<1.7
cis-DCE	ND<1.7

AMW-5 ug/L	
PCE	29
TCE	2.0
cis-DCE	0.93

AMW-4 ug/L	
PCE	0.76
TCE	0.53
cis-DCE	ND<0.5

WGR-MW-4 ug/L	
PCE	ND<0.5
TCE	ND<0.5
cis-DCE	ND<0.5

KEY

Groundwater Monitoring Well
MW4

PCE = tetrachloroethene
TCE = trichloroethene
cis-DCE = cis 1,2-Dichloroethene
ug/L = micrograms per liter (ppb)
NS = not sampled

AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

Groundwater Analytical Data (10/22/10 & 10/25/10)

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 5
PROJECT NO. 261829

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 (Shallow)	1/29/1999	24-34	64.51	23.01	41.50
	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
	10/17/2007		64.51	23.97	40.54
	4/1/2008		64.51	22.02	42.49
	10/2/2008		64.51	24.21	40.30
	4/2/2009		64.51	22.49	42.02
	10/2/2009		64.51	24.38	40.13
	4/9/2010		64.51	21.68	42.83
	11/10/2010		64.51	24.11	40.40
AMW-4 (Shallow)	1/29/1999	15-25	64.79	11.51	53.28
	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
	10/17/2007		64.79	12.64	52.15
	4/1/2008		64.79	11.49	53.30
	10/2/2008		64.79	13.34	51.45
	4/2/2009		64.79	12.21	52.58
	10/2/2009		64.79	13.91	50.88
	4/9/2010		64.79	11.23	53.56
	11/10/2010		64.79	12.85	51.94
AMW-5 (Shallow)	1/29/1999	20-30	64.97	13.87	51.10
	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
	10/17/2007		64.97	15.06	49.91
	4/1/2008		64.97	14.14	50.83
	10/2/2008		64.97	15.72	49.25
	4/2/2009		64.97	14.62	50.35
	10/2/2009		64.97	16.18	48.79
	4/9/2010		64.97	13.98	50.99
	11/10/2010		64.97	15.78	49.19

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-6 (Shallow)	1/29/1999	? - 25	65.10	12.74	52.36
	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
	10/17/2007		65.10	13.87	51.23
	4/1/2008		65.10	12.64	52.46
	10/2/2008		65.10	14.54	50.56
	4/2/2009		65.10	13.38	51.72
	10/2/2009		65.10	16.03	49.07
	4/9/2010		65.10	12.75	52.35
	11/10/2010		65.10	14.56	50.54
AMW-7 (Shallow)	1/29/1999	Unknown	64.24	14.91	49.33
	5/5/1999		Well Covered during construction		
AMW-8 (Deep)	1/29/1999	? - 45	64.55	16.86	47.69
	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
	10/17/2007		64.55	18.34	46.21
	4/1/2008		64.55	17.49	47.06
	10/2/2008		64.55	19.10	45.45
	4/2/2009		64.55	18.18	46.37
	10/2/2009		64.55	19.75	44.80
	4/9/2010		64.55	17.76	46.79
	11/10/2010		64.55	19.41	45.14

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 (Deep)	1/29/1999	? - 55	63.48	23.22	40.26
	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
	10/17/2007		63.48	24.97	38.51
	4/1/2008		63.48	22.97	40.51
	10/2/2008		63.48	25.65	37.83
	4/2/2009		63.48	23.80	39.68
10/2/2009	63.48	25.98	37.50		
4/9/2010	63.48	22.80	40.68		
	11/10/2010		63.48	25.36	38.12
WGR MW-2 (Shallow)	1/29/1999	23-28	63.18	23.41	39.77
	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
	10/17/2007		63.18	NA	NA
	4/1/2008		63.18	22.83	40.35
	10/2/2008		63.18	25.53	37.65
	4/2/2009		63.18	23.23	39.95
	10/2/2009		63.18	25.70	37.48
4/9/2010	63.18	22.36	40.82		
	11/10/2010		63.18	24.79	38.39
WGR MW-3 (Shallow)	1/29/1999	22-27	58.34	15.81	42.53
	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
	10/17/2007		58.34	NA	NA
	4/1/2008		58.34	18.74	39.60
	10/2/2008		58.34	23.62	34.72
	4/2/2009		58.34	17.89	40.45
	10/2/2009		58.34	22.16	36.18
4/9/2010	58.34	15.71	42.63		
	11/10/2010		58.34	21.75	36.59

Table 1: Continued

Well ID (Aquifer zone)	Date	Screen Interval (ft bgs)	Well Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
WGR MW-4 (Deep)	1/29/1999	23-45	60.02	26.23	33.79
	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
	10/17/2007		60.02	28.33	31.69
	4/1/2008		60.02	25.91	34.11
	10/2/2008		60.02	28.85	31.17
	4/2/2009		60.02	25.77	34.25
10/2/2009	60.02	28.81	31.21		
4/9/2010	60.02	25.01	35.01		
11/10/2010	60.02	28.14	31.88		
FHS MW-10 (Deep)	1/29/1999	42-52	52.34	23.91	28.43
	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
	10/17/2007		52.34	27.71	24.63
	4/1/2008		52.34	23.79	28.55
	10/2/2008		52.34	28.40	23.94
	4/2/2009		52.34	23.80	28.54
10/2/2009	52.34	28.51	23.83		
4/9/2010	52.34	22.04	30.30		
11/10/2010	52.34	NA	NA		

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 (Deep)	1/29/1999	59-64	54.06	26.38	27.68	
	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	
	10/17/2007		54.06	29.88	24.18	
	4/1/2008		54.06	26.02	28.04	
	10/2/2008		54.06	30.61	23.45	
	4/2/2009		54.06	26.09	27.97	
	10/5/2009*		54.06	30.80	23.26	
	4/9/2010		54.06	21.51	32.55	
	11/10/2010			54.06	NA	NA
MW-6 (Deep)	1/29/1999	37.5-56	61.78	32.87	28.91	
	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	
	10/17/2007		61.78	36.20	25.58	
	4/1/2008		61.78	32.39	29.39	
	10/2/2008		61.78	36.86	24.92	
	4/2/2009		61.78	32.67	29.11	
	10/2/2009		61.78	36.98	24.80	
	4/9/2010		61.78	30.09	31.69	
	11/10/2010			61.78	35.87	25.91
MW-7 (Shallow)	1/20/2000	17.5-37.5	58.64	20.32	38.32	
	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	
	10/17/2007		58.64	21.49	37.15	
	4/1/2008		58.64	19.73	38.91	
	10/2/2008		58.64	24.64	34.00	
	4/2/2009		58.64	18.60	40.04	
	10/2/2009		58.64	22.60	36.04	
	4/9/2010		58.64	17.57	41.07	
11/10/2010		58.64	22.16	36.48		

Notes: All well elevations are measured from the top of casing not from the ground surface.
ft msl = feet above mean sea level
* = Car parked over well, reading taken 3 days later than other wells.
NA = not available

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

Well (aquifer 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 (shallow)	3/23/95	Augeus	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	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
	10/17/07	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/1/08	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/2/08	AEI	ND<0.5	ND<0.5	0.60	ND<0.5	ND<RL
	4/2/09	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/2/09	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/9/10	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/25/10	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	AMW-4 (shallow)	5/15/95	Augeus	NR	ND<50	2400	ND<50
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
10/17/06		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**
10/17/07		AEI	4.0	ND<0.5	6.2	ND<0.5	ND<RL
4/1/08		AEI	3.3	ND<0.5	5.8	2.6	0.85**
10/2/08		AEI	11.0	ND<1.0	34	2.9	ND<RL ³
4/2/09		AEI	2.8	ND<0.5	8.0	0.76	ND<RL ⁴
10/2/09		AEI	11	ND<0.5	4.3	0.89	ND<RL ⁵
4/9/10	AEI	1.9	ND<0.5	11	1.6	ND<RL ⁷	
10/22/10	AEI	ND<0.5	ND<0.5	0.76	0.53	ND<RL	
AMW-5 (shallow)	5/15/95	Augeus	NR	ND<0.5	1.2	ND<0.5	NR
	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
	10/17/07	AEI	1.2	ND<0.5	42	2.0	ND<RL
	4/1/08	AEI	1.7	ND<0.5	50	2.8	ND<RL
	10/2/08	AEI	1.5	ND<1.0	46	2.3	ND<RL
	4/2/09	AEI	ND<1.7	ND<1.7	56	2.9	ND<RL
	10/2/09	AEI	0.87	ND<0.5	31	1.4	ND<RL
4/9/10	AEI	ND<1.0	ND<1.0	35	2.1	ND<RL	
10/22/10	AEI	0.93	ND<1.0	29	2.0	ND<RL	

Well (aquifer 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 (shallow)	9/13/95	Augeus	NR	ND<25	930	ND<25	NR
	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
	10/17/2007	AEI	48	8.4	140	27	ND<RL ²
	4/1/2008	AEI	39	6.2	140	24	ND<RL
	10/2/2008	AEI	43	7.1	130	26	ND<RL
	4/2/2009	AEI	50	8.1	250	37	ND<RL
	10/2/2009	AEI	55	11	240	44	ND<RL ⁶
4/9/2010	AEI	56	ND<25	530	61	ND<RL	
10/22/2010	AEI	48	10	260	42	ND<RL	
AMW-7 (shallow)	9/13/95	Augeus	NR	ND<25	2350	340	NR
	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 (deep)	9/13/95	Augeus	-	ND<25	95	ND<25	ND<25
	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
	10/17/07	AEI	ND<0.5	ND<0.5	1.6	ND<0.5	ND<RL
	4/1/08	AEI	NS	NS	NS	NS	NS
	10/2/08	AEI	ND<0.5	ND<0.5	1.3	ND<0.5	ND<RL
	4/2/09	AEI	NS	NS	NS	NS	NS
	10/2/09	AEI	ND<0.5	ND<0.5	1.4	ND<0.5	ND<RL
4/9/10	AEI	NS	NS	NS	NS	NS	
10/25/10	AEI	ND<0.5	ND<0.5	2.2	ND<0.5	ND<RL	
AMW-9 (deep)	9/13/95	Augeus	NR	ND<25	170	ND<25	NR
	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
	10/17/07	AEI	ND<2.5	ND<2.5	130	ND<2.5	ND<RL
	4/1/08	AEI	ND<2.5	ND<2.5	130	ND<2.5	ND<RL
	10/2/08	AEI	ND<2.5	ND<2.5	110	ND<2.5	ND<RL
	4/2/09	AEI	ND<2.5	ND<2.5	180	ND<2.5	ND<RL
	10/2/09	AEI	ND<2.5	ND<2.5	140	ND<2.5	ND<RL
4/9/10	AEI	ND<5.0	ND<5.0	160	ND<5.0	ND<RL	
10/22/10	AEI	ND<1.7	ND<1.7	93	ND<1.7	ND<RL	

Well (aquifer 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 (deep)	10/9/97	PES	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NR	
	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	
	10/17/07	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL	
	4/1/08	AEI	ND<0.5	ND<0.5	0.88	ND<0.5	ND<RL	
	10/2/08	AEI	ND<0.5	ND<0.5	3.4	ND<0.5	1.4**	
	4/2/09	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL	
	10/2/09	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL	
	4/9/10	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL	
10/22/10	AEI	NS	NS	NS	NS	NS		
FHS MW-11 (deep)	9/29/97	PES	ND<0.5	ND<0.5	4	ND<0.5	NR	
	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	
	10/17/07	AEI	ND<0.5	ND<0.5	31	0.71	ND<RL	
	4/1/08	AEI	ND<0.5	ND<0.5	26	0.61	ND<RL	
	10/2/08	AEI	ND<0.5	ND<0.5	31	0.74	ND<RL	
	4/2/09	AEI	ND<0.5	ND<0.5	32	0.71	ND<RL	
	10/5/09	AEI	ND<0.5	ND<0.5	32	0.70	ND<RL	
	4/9/10	AEI	ND<1.0	ND<1.0	32	ND<1.0	ND<RL	
10/22/10	AEI	NS	NS	NS	NS	NS		
MW-6 (deep)	3/11/95	EMCON	ND<20	ND<0.5	1300	ND<20	NR	
	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	
	10/17/07	AEI	10	ND<5.0	310	18	ND<RL	
	4/1/08	AEI	6.8	ND<1.7	76	9.2	ND<RL	
10/2/08	AEI	21	ND<12	380	33	ND<RL		
4/2/09	AEI	17	ND<10	420	28	ND<RL		
10/2/09	AEI	22	ND<10	410	29	ND<RL		
4/9/10	AEI	5.5	ND<5.0	160	10	ND<RL		
10/25/10	AEI	26	ND<10	400	30	ND<RL		

Well (aquifer 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 (shallow)	3/11/95	EMCON	NS	NS	NS	NS	NS
	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
	10/17/07	AEI	ND<10	ND<10	ND<10	ND<10	ND<RL
	4/1/08	AEI	NS	NS	NS	NS	NS
	10/2/08	AEI	ND<1.0	ND<1.0	2.2	ND<1.0	ND<RL
	4/2/09	AEI	NS	NS	NS	NS	NS
	10/2/09	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
4/9/10	AEI	NS	NS	NS	NS	NS	
10/22/10	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL	
WGR MW-2 (Shallow)	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
	10/17/07	AEI	NS	NS	NS	NS	NS
	4/1/08	AEI	NS	NS	NS	NS	NS
	10/2/08	AEI	NS	NS	NS	NS	NS
	4/2/09	AEI	NS	NS	NS	NS	NS
	10/2/09	AEI	NS	NS	NS	NS	NS
	4/9/10	AEI	NS	NS	NS	NS	NS
	10/22/10	AEI	NS	NS	NS	NS	NS
	WGR MW-3 (Shallow)	10/17/06	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5
5/3/07		AEI	NS	NS	NS	NS	NS
10/17/07		AEI	NS	NS	NS	NS	NS
4/1/08		AEI	NS	NS	NS	NS	NS
10/2/08		AEI	NS	NS	NS	NS	NS
4/2/09		AEI	NS	NS	NS	NS	NS
10/2/09		AEI	NS	NS	NS	NS	NS
4/9/10		AEI	NS	NS	NS	NS	NS
10/22/10		AEI	NS	NS	NS	NS	NS
WGR MW-4 (deep)		4/16/96	PES	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	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
	10/17/07	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/1/08	AEI	NS	NS	NS	NS	NS
	10/2/08	AEI	ND<0.5	ND<0.5	0.55	ND<0.5	ND<RL
	4/2/09	AEI	NS	NS	NS	NS	NS
	10/2/09	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/9/10	AEI	NS	NS	NS	NS	NS
10/22/10	AEI	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL	

Well (aquifer zone)	Date	Consultant	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
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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 laboratory without letters FHS as prefix

² = Vinyl Chloride detected at a concentration of 1.9 ug/L

³ = Vinyl Chloride detected at a concentration of 2.0 ug/L

⁴ = Vinyl Chloride detected at a concentration of 0.66 ug/L

⁵ = Vinyl Chloride detected at a concentration of 4.0 ug/L

⁶ = Vinyl Chloride detected at a concentration of 11 ug/L

⁷ = Chloroform detected at a concentration of 0.69 ug/L

* 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:	10/25/2010
Job Number:	261829	Name of Sampler:	Alma
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)	24.11		
Water Elevation (feet above msl)	40.40		
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)	10.0		
Actual Volume Purged (gallons)	10.0		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3-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.)

Groundwater hand purged using bailer - Quality measurements not collected.
Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-4

Project Name:	Foothill Square	Date of Sampling:	10/22/2010
Job Number:	261829	Name of Sampler:	Alma
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)	12.85		
Water Elevation (feet above msl)	51.94		
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)	5.8		
Actual Volume Purged (gallons)			
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 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.)

Technician Lost Field Forms - 3 Purge volumes were removed - Groundwater Quality not available.
Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-5

Project Name:	Foothill Square	Date of Sampling:	10/22/2010
Job Number:	261829	Name of Sampler:	Alma
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)	15.78		
Water Elevation (feet above msl)	49.19		
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)	6.8		
Actual Volume Purged (gallons)	7.0		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 VOAs			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (μ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	2.5	18.88	7.07	1384	3.27	133.9	
	5.5	18.91	7.12	1394	2.55	125.7	
	7	18.93	7.19	1407	3.46	129.1	

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

Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-6

Project Name:	Foothill Square	Date of Sampling:	10/22/2010
Job Number:	261829	Name of Sampler:	Alma
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)	14.56		
Water Elevation (feet above msl)	50.54		
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)	5.0		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 VOAs			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (μ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	18.33	7.22	1,398	25.00	142.7	
	3	18.29	7.21	1,406	2.17	135.0	
	4.5	18.31	7.21	1,406	2.16	133.6	
	5	18.31	7.20	1,404	1.90	133.2	

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

Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-8

Project Name:	Foothill Square	Date of Sampling:	10/25/2010
Job Number:	261829	Name of Sampler:	Alma
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)	19.41		
Water Elevation (feet above msl)	45.14		
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)	12.3		
Actual Volume Purged (gallons)	13.0		
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
	2	18.52	8.13	318	18.00	12.0	
	6	18.71	8.12	320	3.22	123.4	
	10.5	18.74	8.10	324	2.42	121.4	

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

Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-9

Project Name:	Foothill Square	Date of Sampling:	10/22/2010
Job Number:	261829	Name of Sampler:	Alma
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)	25.36		
Water Elevation (feet above msl)	38.12		
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)	13.9		
Actual Volume Purged (gallons)	14.0		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 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.)

Groundwater hand purged using bailer - Quality measurements not collected.
Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-2

Project Name:	Foothill Square	Date of Sampling:	11/10/2010
Job Number:	261829	Name of Sampler:	Alma
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)	24.79		
Water Elevation (feet above msl)	38.39		
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 in accordance with sampling schedule

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-3

Project Name:	Foothill Square	Date of Sampling:	11/10/2010
Job Number:	261829	Name of Sampler:	Alma
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)	21.75		
Water Elevation (feet above msl)	36.59		
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 in accordance with sampling schedule

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-4

Project Name:	Foothill Square	Date of Sampling:	10/22/2010
Job Number:	261829	Name of Sampler:	Alma
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)	28.14		
Water Elevation (feet above msl)	31.88		
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)	32.3		
Actual Volume Purged (gallons)			
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
	5	21.64	6.27	945	1.33	131.5	
	10	21.63	6.27	941	1.34	140.6	
	14	21.65	6.33	947	1.23	139.9	
	20	21.55	6.25	1074	0.62	138.9	
	25	21.54	6.24	1106	0.56	138.8	
	30	21.51	6.15	1106	0.51	141.0	

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

Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-10

Project Name:	Foothill Square	Date of Sampling:	11/10/2010
Job Number:	261829	Name of Sampler:	Alma
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)			
Water Elevation (feet above msl)	52.34		
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)	24.9		
Actual Volume Purged (gallons)			
Appearance of Purge Water			
Free Product Present?	n/a	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 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.)

Vehicle parked over the well during all site visits, DTW and Sample not collected.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-11

Project Name:	Foothill Square	Date of Sampling:	11/10/2010
Job Number:	261829	Name of Sampler:	Alma
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)			
Water Elevation (feet above msl)	54.06		
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)	30.8		
Actual Volume Purged (gallons)			
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 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.)

Vehicle parked over the well during all site visits, DTW and Sample not collected.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-6

Project Name:	Foothill Square	Date of Sampling:	10/25/2010
Job Number:	261829	Name of Sampler:	Alma
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)	35.87		
Water Elevation (feet above msl)	25.91		
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)	6.2		
Actual Volume Purged (gallons)			
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 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.)

Technician Lost Field Forms - 3 Purge volumes were removed - Groundwater Quality not available.
Depth to water collected on November 10, 2010

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-7

Project Name:	Foothill Square	Date of Sampling:	10/20/2010
Job Number:	261829	Name of Sampler:	Alma
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)	22.16		
Water Elevation (feet above msl)	36.48		
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)	7.6		
Actual Volume Purged (gallons)	11.0		
Appearance of Purge Water			
Free Product Present?	na	Thickness (ft):	-

GROUNDWATER SAMPLES

Number of Samples/Container Size				3 VOAs			
Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (μ sec/cm)	DO (mg/L)	ORP (meV)	Comments
10:41	2	18.00	6.59	514	39.00	122.7	
10:47	5	19.26	6.49	515	10.40	101.0	
10:49	8	19.24	6.50	520	20.70	91.4	
11:00	10.5	19.43	6.96				

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

Depth to water collected on November 10, 2010

APPENDIX B

**LABORATORY ANALYTICAL REPORT WITH CHAIN OF
CUSTODY DOCUMENTATION**



McC Campbell Analytical, Inc.

"When Quality Counts"

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

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: 261829; 10700 MacArthur BLVD Oaklan, CA	Date Sampled: 10/22/10
		Date Received: 10/22/10
	Client Contact: Jeremy Smith	Date Reported: 10/29/10
	Client P.O.: #WC082675	Date Completed: 10/29/10

WorkOrder: 1010659

October 29, 2010

Dear Jeremy:

Enclosed within are:

- 1) The results of the **6** analyzed samples from your project: **261829; 10700 MacArthur BLVD Oaklan, CA,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

1010659

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. # WC082675
Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 E-Mail: jasmith@aeiconsultants.com
Tele: (925) 746-6000 Fax: (925) 746-6099
Project #: 261829 Project Name: Foothill Square
Project Location: 10700 MacArthur Blvd. Oakland, CA
Sampler Signature: *[Signature]*

Analysis Request Other Comments

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED								
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other					
AMW-1																			
AMW-4	AMW-4	10/22/10	1000	3		X													
AMW-5	AMW-5	10/22/10	1230	3		X													
AMW-6	AMW-6	10/22/10	1430	3		X													
AMW-8	AMW-8																		
AMW-9	AMW-9	10/22/10	1600	3		X													
MW-6																			
MW-7	MW-7	10/20/10	1000	3		X													
FHS MW-10																			
FHS MW-11																			
WGR MW-4	WGR MW-4	10/22/10	0900	3		X													

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										X									
BTEX ONLY (EPA 602 / 8020)										X									
EPA 608 / 8080										X									
EPA 608 / 8080 PCB's ONLY										X									
EPA 624 / 8260										X									
EPA 625 / 8270										X									
PAH's / PNA's by EPA 625 / 8270 / 8310										X									
CAM-17 Metals										X									
LUFT 5 Metals										X									
Lead (7240/7421/239.2/6010)										X									
RCI										X									

Relinquished By: <i>[Signature]</i>	Date: 10/22/10	Time: 2030	Received By: <i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/c° 3.0
 GOOD CONDITION _____
 HEAD SPACE ABSENT _____
 DECHLORINATED IN LAB _____
 PRESERVATION APPROPRIATE _____
 CONTAINERS _____
 PERSERVED IN LAB _____
 VOAS O&G METALS OTHER

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010659

ClientCode: AEL

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:	Jeremy Smith AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597 (925) 283-6000 FAX (925) 944-2895	Email: jasmith@aeiconsultants.com cc: PO: #WC082675 ProjectNo: 261829; 10700 MacArthur BLVD Oaklan, CA	Bill to:	Jeanette Brown AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597 jbrown@aeiconsultants.com	Requested TAT: 5 days
				Date Received: 10/22/2010	
				Date Printed: 10/22/2010	

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1010659-001	AMW-4	Water	10/22/2010 10:00	<input type="checkbox"/>	A												
1010659-002	AMW-5	Water	10/22/2010 12:30	<input type="checkbox"/>	A												
1010659-003	AMW-6	Water	10/22/2010 14:30	<input type="checkbox"/>	A												
1010659-004	AMW-9	Water	10/22/2010 16:00	<input type="checkbox"/>	A												
1010659-005	MW-7	Water	10/22/2010 10:00	<input type="checkbox"/>	A												
1010659-006	WGR MW-4	Water	10/22/2010 9:00	<input type="checkbox"/>	A												

Test Legend:

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

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **AEI Consultants** Date and Time Received: **10/22/2010 8:40:44 PM**
Project Name: **261829; 10700 MacArthur BLVD Oakland, CA** Checklist completed and reviewed by: **Ana Venegas**
WorkOrder N°: **1010659** Matrix Water Carrier: Benjamin Yslas (MAI Courier)

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 shipping 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: 13°C NA
Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
Sample labels checked for correct preservation? Yes No
Metal - pH acceptable upon receipt (pH<2)? Yes No NA
Samples Received on Ice? Yes No

(Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

Client contacted: Date contacted: Contacted by:

Comments:



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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: 261829; 10700 MacArthur BLVD Oakland, CA	Date Sampled: 10/22/10
	Client Contact: Jeremy Smith	Date Received: 10/22/10
	Client P.O.: #WC082675	Date Extracted: 10/27/10-10/28/10
		Date Analyzed: 10/27/10-10/28/10

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1010659

Lab ID	1010659-001A	1010659-002A	1010659-003A	1010659-004A	Reporting Limit for DF = 1	
Client ID	AMW-4	AMW-5	AMW-6	AMW-9	S	W
Matrix	W	W	W	W		
DF	1	1	10	3.3		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Bromoform	ND	ND	ND<5.0	ND<1.7	NA	0.5
Bromomethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Carbon Tetrachloride	ND	ND	ND<5.0	ND<1.7	NA	0.5
Chlorobenzene	ND	ND	ND<5.0	ND<1.7	NA	0.5
Chloroethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Chloroform	ND	ND	ND<5.0	ND<1.7	NA	0.5
Chloromethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Dibromochloromethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND<5.0	ND<1.7	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,1-Dichloroethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,1-Dichloroethene	ND	ND	ND<5.0	ND<1.7	NA	0.5
cis-1,2-Dichloroethene	ND	0.93	48	ND<1.7	NA	0.5
trans-1,2-Dichloroethene	ND	ND	10	ND<1.7	NA	0.5
1,2-Dichloropropane	ND	ND	ND<5.0	ND<1.7	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<5.0	ND<1.7	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<5.0	ND<1.7	NA	0.5
Freon 113	ND	ND	ND<100	ND<33	NA	10
Methylene chloride	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Tetrachloroethene	0.76	29	260	93	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Trichloroethene	0.53	2.0	42	ND<1.7	NA	0.5
Trichlorofluoromethane	ND	ND	ND<5.0	ND<1.7	NA	0.5
Vinyl Chloride	ND	ND	ND<5.0	ND<1.7	NA	0.5

Surrogate Recoveries (%)

%SS1:	98	94	87	86	
%SS2:	98	99	100	101	
%SS3:	99	98	77	78	

Comments b1

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

b1) aqueous sample that contains greater than ~1 vol. % sediment



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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: 261829; 10700 MacArthur BLVD Oakland, CA	Date Sampled: 10/22/10
	Client Contact: Jeremy Smith	Date Received: 10/22/10
	Client P.O.: #WC082675	Date Extracted: 10/27/10-10/28/10
		Date Analyzed: 10/27/10-10/28/10

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1010659

Lab ID	1010659-005A	1010659-006A			Reporting Limit for DF =1	
Client ID	MW-7	WGR MW-4				
Matrix	W	W			S	W
DF	1	1				

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND			NA	0.5
Bromoform	ND	ND			NA	0.5
Bromomethane	ND	ND			NA	0.5
Carbon Tetrachloride	ND	ND			NA	0.5
Chlorobenzene	ND	ND			NA	0.5
Chloroethane	ND	ND			NA	0.5
Chloroform	ND	ND			NA	0.5
Chloromethane	ND	ND			NA	0.5
Dibromochloromethane	ND	ND			NA	0.5
1,2-Dibromoethane (EDB)	ND	ND			NA	0.5
1,2-Dichlorobenzene	ND	ND			NA	0.5
1,3-Dichlorobenzene	ND	ND			NA	0.5
1,4-Dichlorobenzene	ND	ND			NA	0.5
Dichlorodifluoromethane	ND	ND			NA	0.5
1,1-Dichloroethane	ND	ND			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			NA	0.5
1,1-Dichloroethene	ND	ND			NA	0.5
cis-1,2-Dichloroethene	ND	ND			NA	0.5
trans-1,2-Dichloroethene	ND	ND			NA	0.5
1,2-Dichloropropane	ND	ND			NA	0.5
cis-1,3-Dichloropropene	ND	ND			NA	0.5
trans-1,3-Dichloropropene	ND	ND			NA	0.5
Freon 113	ND	ND			NA	10
Methylene chloride	ND	ND			NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND			NA	0.5
1,1,1,2,2-Tetrachloroethane	ND	ND			NA	0.5
Tetrachloroethene	ND	ND			NA	0.5
1,1,1-Trichloroethane	ND	ND			NA	0.5
1,1,2-Trichloroethane	ND	ND			NA	0.5
Trichloroethene	ND	ND			NA	0.5
Trichlorofluoromethane	ND	ND			NA	0.5
Vinyl Chloride	ND	ND			NA	0.5

Surrogate Recoveries (%)

%SS1:	98	97		
%SS2:	91	98		
%SS3:	94	102		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

b1) aqueous sample that contains greater than ~1 vol. % sediment



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 53945

WorkOrder 1010659

Analyte	Extraction SW5030B			Spiked Sample ID: 1010583-001B								
	Sample µg/L	Spiked µg/L	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
Chlorobenzene	ND	10	114	110	3.04	100	102	1.59	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	102	98.8	3.13	97.2	98.2	1.03	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	112	109	3.28	101	102	1.20	70 - 130	30	70 - 130	30
1,1-Dichloroethene	0.82	10	117	111	4.83	96.2	97.1	0.930	70 - 130	30	70 - 130	30
Trichloroethene	5.4	10	114	114	0	102	103	1.29	70 - 130	30	70 - 130	30
%SS1:	89	25	92	90	2.35	93	95	1.81	70 - 130	30	70 - 130	30
%SS2:	99	25	103	102	0.231	103	105	1.25	70 - 130	30	70 - 130	30
%SS3:	99	2.5	83	83	0	100	105	4.37	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 53945 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010659-001A	10/22/10 10:00 AM	10/27/10	10/27/10 10:00 PM	1010659-002A	10/22/10 12:30 PM	10/27/10	10/27/10 10:42 PM
1010659-003A	10/22/10 2:30 PM	10/28/10	10/28/10 9:39 PM	1010659-004A	10/22/10 4:00 PM	10/28/10	10/28/10 3:51 PM
1010659-005A	10/22/10 10:00 AM	10/28/10	10/28/10 1:30 AM	1010659-006A	10/22/10 9:00 AM	10/28/10	10/28/10 12:48 AM

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.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.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: 10/25/10
		Date Received: 10/26/10
	Client Contact: Jeremy Smith	Date Reported: 11/01/10
	Client P.O.:	Date Completed: 11/01/10

WorkOrder: 1010695

November 01, 2010

Dear Jeremy:

Enclosed within are:

- 1) The results of the **3** analyzed samples from your project: **#261829; Foothill Square,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1010695

ClientCode: AEL

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:	Jeremy Smith	Email: jasmith@aeiconsultants.com	Bill to:	Jeanette Brown	Requested TAT:	5 days
	AEI Consultants	cc:		AEI Consultants	Date Received:	10/26/2010
	2500 Camino Diablo, Ste. #200	PO:		2500 Camino Diablo, Ste. #200	Date Printed:	10/26/2010
	Walnut Creek, CA 94597	ProjectNo: #261829; Foothill Square		Walnut Creek, CA 94597		
	(925) 283-6000 FAX (925) 944-2895			jbrown@aeiconsultants.com		

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1010695-001	AMW-1	Water	10/25/2010 5:30	<input type="checkbox"/>	A	A											
1010695-002	AMW-8	Water	10/25/2010 6:00	<input type="checkbox"/>	A												
1010695-003	MW-6	Water	10/25/2010 8:00	<input type="checkbox"/>	A												

Test Legend:

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

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **10/26/2010 4:27:04 PM**

Project Name: **#261829; Foothill Square**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1010695** Matrix Water

Carrier: Rob Pringle (MAI Courier)

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 shipping 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: 4.2°C NA
 - Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
 - Sample labels checked for correct preservation? Yes No
 - Metal - pH acceptable upon receipt (pH<2)? Yes No NA
 - Samples Received on Ice? Yes No
- (Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

Client contacted:

Date contacted:

Contacted by:

Comments:



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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #261829; Foothill Square	Date Sampled: 10/25/10
	Client Contact: Jeremy Smith	Date Received: 10/26/10
	Client P.O.:	Date Extracted: 10/27/10-10/28/10
		Date Analyzed: 10/27/10-10/28/10

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1010695

Lab ID	1010695-001A	1010695-002A	1010695-003A		Reporting Limit for DF =1	
Client ID	AMW-1	AMW-8	MW-6			
Matrix	W	W	W		S	W
DF	1	1	20			

Compound	Concentration			µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<10	NA	0.5
Bromoform	ND	ND	ND<10	NA	0.5
Bromomethane	ND	ND	ND<10	NA	0.5
Carbon Tetrachloride	ND	ND	ND<10	NA	0.5
Chlorobenzene	ND	ND	ND<10	NA	0.5
Chloroethane	ND	ND	ND<10	NA	0.5
Chloroform	ND	ND	ND<10	NA	0.5
Chloromethane	ND	ND	ND<10	NA	0.5
Dibromochloromethane	ND	ND	ND<10	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND<10	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<10	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<10	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND<10	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<10	NA	0.5
1,1-Dichloroethane	ND	ND	ND<10	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND<10	NA	0.5
1,1-Dichloroethene	ND	ND	ND<10	NA	0.5
cis-1,2-Dichloroethene	ND	ND	26	NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND<10	NA	0.5
1,2-Dichloropropane	ND	ND	ND<10	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<10	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<10	NA	0.5
Freon 113	ND	ND	ND<200	NA	10
Methylene chloride	ND	ND	ND<10	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND<10	NA	0.5
1,1,1,2,2-Tetrachloroethane	ND	ND	ND<10	NA	0.5
Tetrachloroethene	ND	2.2	400	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<10	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<10	NA	0.5
Trichloroethene	ND	ND	30	NA	0.5
Trichlorofluoromethane	ND	ND	ND<10	NA	0.5
Vinyl Chloride	ND	ND	ND<10	NA	0.5

Surrogate Recoveries (%)

%SS1:	91	93	87		
%SS2:	100	99	100		
%SS3:	97	91	75		

Comments b1 b1 b1

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

b1) aqueous sample that contains greater than ~1 vol. % sediment



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 54020

WorkOrder 1010695

Analyte	Extraction SW5030B			Spiked Sample ID: 1010695-001A					Acceptance Criteria (%)			
	Sample µg/L	Spiked µg/L	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	99	96.7	2.32	92.3	92.9	0.678	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	76.2	75.3	1.18	85	82.1	3.43	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	105	104	0.687	96.9	93.3	3.74	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	122	123	0.439	114	107	5.80	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	91	89.9	1.18	96.7	94.3	2.49	70 - 130	30	70 - 130	30
%SS1:	91	25	87	85	2.48	98	93	4.74	70 - 130	30	70 - 130	30
%SS2:	100	25	102	101	0.519	102	101	1.05	70 - 130	30	70 - 130	30
%SS3:	97	2.5	78	75	4.57	100	99	1.35	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 54020 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1010695-001A	10/25/10 5:30 AM	10/27/10	10/27/10 10:05 PM	1010695-002A	10/25/10 6:00 AM	10/27/10	10/27/10 10:43 PM
1010695-003A	10/25/10 8:00 AM	10/28/10	10/28/10 10:18 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.

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