ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

July 2, 2014

City of Emeryville
Successor to Redevelopment Agency
1333 Park Ave.
Emeryville, CA 94608
(sent via electronic mail to mroberts@ci.emeryville.ca.us)

Mr. Scott Barde
Owens Mortgage Investment Fund
2221 Olympic Blvd.
Walnut Creek, CA 94595

Lloyd Kendall Jr.
(Address unknown)

ELTEX Investments Corporation
c/o Eller Media
200 E Basse
San Antonio, TX 78209

William Owens
Ambassador Partners Limited
2221 Olympic Blvd.
Walnut Creek, CA 94595
(sent via electronic mail to bowens@owensfinancial.com)

Wilson Associates
(Address unknown)

Title Two Investment Corporation
c/o Bellview Capital Mgmt.
(Address unknown)

Exchange Support Services
(Address Unknown)

Ms. Jessica Sheldon
Resources for Community Development
and Ambassador LP
2220 Oxford Street
Berkeley, CA 94704
(sent via electronic mail to JSheldon@rcdev.org)

Adeline Investments
(Address unknown)

Subject: Case Closure for Fuel Leak Case No. RO0002973 and Geotracker Global ID T0619717287, Ambassador Laundry, 3623 Adeline St., Emeryville, CA 94608

Dear Ladies and Gentlemen:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 2, 2014

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Adeline Investments
(Address unknown)

Subject: Case Closure for Fuel Leak Case No. RO0002973 and Geotracker Global ID T0619717287, Ambassador Laundry, 3623 Adeline St., Emeryville, CA 94608

Dear RP1 and RP2:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

Due to residual contamination, the site was closed with Site Management Requirements as described in the *Site Management Plan,* (SMP) prepared for the site by Adanta, Inc, and dated June 11, 2014. The SMP describes protocols to be followed during any subsurface incursion to repair or improve existing infrastructure. Site Management Requirements are further described in section IV of the attached Case Closure Summary.

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

Cc w/enc.: Michael Roberts, Senior Civil Engineer, Public Works Department, City of Emeryville, 1333 Park Avenue Emeryville, CA 94608; (sent via E-mail to mroberts@ci.emeryville.ca.us)

Nick Patz, Adanta, Inc, 828 School Street, Napa, CA 94559; (sent via electronic mail to nick.patz@adanta-inc.com)

Dilan Roe, ACEH, (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: July 2, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Ambassador Laundry		
Site Facility Address: 3623 Adeline St., Emeryville, CA 94608		
RB Case No.: ----	STiD No. -----	LOP Case No.: RO0002973
GeoTracker ID: T0619717287		APN: 49-481-7
Current Land Use: Residential		

Responsible Parties	Addresses	Phone Numbers
William Owens Ambassador Partners Limited	2221 Olympic Blvd. Walnut Creek, CA 94595	---
Scott Owens Mortgage Investment Fund	2221 Olympic Blvd. Walnut Creek, CA 94595	---
Title Two Investment Corporation	c/o Bellview Capital Mgmt. Address unknown	---
Adeline Investments	Address Unknown	---
ELTEX Investments Corporation c/o Eller Media	200 E. Basse San Antonio, TX 78209	---
Exchange Support Services	Address Unknown	---
Wilson Associates	Address Unknown	---
City of Emeryville Successor to Redevelopment Agency	1333 Park Ave. Emeryville, CA 94608	---
Jessica Sheldon Resources for Community Development	2220 Oxford Street, Berkeley, CA 94704	510.841.4410
Jessica Sheldon Ambassador LP	2220 Oxford Street Berkeley, CA 94704	510.841.4410

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Multiple holes in bottom of underground storage tank (UST) observed.		
Number of monitoring wells installed: 7	Number of monitoring wells destroyed: 7	Number of monitoring wells remaining: 0
Highest Groundwater Depth Below Ground Surface: 9.07 feet bgs	Lowest Depth: 10.95 feet bgs	Flow Direction: Southwest
Most Sensitive Current Groundwater Use: Potential drinking water.		

Summary of Production Wells in Vicinity: One abandoned well is located at 3423 Harlan Street in Oakland. The abandoned well is approximately 550 feet southwest of the site. Based on the apparent extent and decreasing size of the plume, the inactive well is not expected to be a receptor for the site. Another abandoned water supply well was located in a previous well survey at a distance of approximately 300 feet southeast (crossgradient) of the site. Based on the apparent extent and decreasing size of the plume, the abandoned well is not expected to be a receptor for the site. One water supply well and one cathodic well were located approximately 1,910 and 1,750 upgradient of the site, respectively. Based on the apparent extent, decreasing size, groundwater flow direction, and distance, the wells are not expected to be receptors for the site. No other water supply wells were identified within 2,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? Yes	Nearest Surface Water Name: San Francisco Bay is approximately 4,200 feet west-northwest of the site.

LTCP GROUNDWATER SPECIFIC CRITERIA						
LTCP Groundwater Specific Scenario under which case was closed: Scenario 5						
Site Data			LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	<500 feet		<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	Removed to maximum extent practicable.		No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Decreasing		Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	550 feet		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	4,200 feet down- to cross-gradient		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Yes		Not applicable	Not applicable	Yes	Not applicable
GROUNDWATER CONCENTRATIONS						
Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	< 4.9	<0.29	No criteria	3,000	No criteria	1,000
MTBE	3.6	3.4	No criteria	1,000	No criteria	1,000
Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?				Yes		

LTCP VAPOR SPECIFIC CRITERIA							
LTCP Vapor Specific Scenario under which case was closed: The site does not meet the LTCP Criteria for Vapor Intrusion to Indoor Ai; however, there appear to be trace to no concentrations of volatiles in soil and groundwater. Therefore the site poses a low risk from vapor intrusion to indoor air.							
Active Fueling Station	Active as of: Not applicable						
Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	LNAPL in soil & groundwater	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	> 9 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	360 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	< 2.9 ppb	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	----	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS						
Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000
If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?			----			
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?			----			

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA						
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below.						
Are maximum concentrations less than those in Table 1 below?		Yes				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	< 0.005	<0.005	< 0.005	<0.005	<0.005
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	< 0.005	<0.005	< 0.005	<0.005	<0.005
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	< 0.067	<0.067	<0.0099	<0.0099	<0.0099
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?		----				
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?		----				

IV. CLOSURE

Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.

Site Management Requirements:

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Soil vapor analytical data has not been collected at the site; however, soil analytical data indicates very limited volatiles to be present in soil at the site. In its current configuration as a residential living facility, the lower floor of the site is developed with a thick concrete garage slab that will minimize infiltration of the limited residual vapors from the subsurface.

Due to legacy residual contamination, a Site Management Plan (SMP) has been developed in the event that subsurface intrusion is required to repair or improve the existing infrastructure. The SMP is expected to mitigate the potential for direct contact exposures beneath the existing building.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures, as further described in the SMP, by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland and Emeryville Permit Tracking Systems due to the residual contamination on site.

Should corrective action be reviewed if land use changes? Yes

Was a deed restriction or deed notification filed? No	Date Recorded: ----

V. ADDITIONAL COMMENTS AND CONCLUSION

Additional Comments:

The site does not appear to meet scenarios 1, 2, 3, or 4 of the groundwater media-specific criteria for closure under the LTCP because the nearest downgradient well is at an approximate distance of 550 to the southwest. However, ACEH believes case closure is appropriate under scenario 5 of the LTCP based on the following site-specific conditions:

1. The plume appears stable or deceasing in size.
2. The plume length appears to be less than 500 feet in length, but is ill-defined; however, appears to be associated with the heavy-end of petroleum hydrocarbons and is thus anticipated to be limited in extent.
3. LNAPL has been removed to the extent practicable and does not appear to be sufficiently mobile (thus is not defined as free product by the LTCP).
4. The dissolved concentration of MTBE is less than 1,000 ppb.
5. The water supply well located at a distance of approximately 550 feet is considered abandoned, but not destroyed.
6. Based on the age of the plume, site hydrogeology, and apparent stability of the plume, the potential for the plume to pose a threat to the abandoned well appears to be low.

The site does not appear to meet scenarios 1, 2, 3, or 4 of the vapor media-specific criteria for closure under the LTCP because TPH concentrations greater than 100 milligrams per kilogram is present in the bioattenuation zone, and no vapor samples have been collected at the site. However, ACEH believes case closure is appropriate based on the following site-specific conditions:

1. Analytical data indicates very limited volatiles are present in soil and groundwater at the site.
2. In its current configuration as a residential living facility, the lower floor of the site is developed with a thick concrete garage slab that will minimize infiltration of the limited residual vapors from the subsurface.

In order to manage the potential for direct contact with legacy residual contamination, a Site Management Plan (SMP) has been developed in the event that subsurface intrusion is required to repair or improve the existing infrastructure. The SMP is expected to mitigate the potential for direct contact exposure.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time. However, as specified in the Site Management Requirements, re-evaluation of this case is required if land uses changes to any residential or other conservative land use, or any redevelopment occurs.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Mark Detterman, P.G., C.E.G.	Title: Senior Hazardous Materials Specialist
Signature: Mark E.	Date: 7/2/2014
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 7/2/2014

VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: 3/17/2014	
Public Notification Date: 3/17/2014	

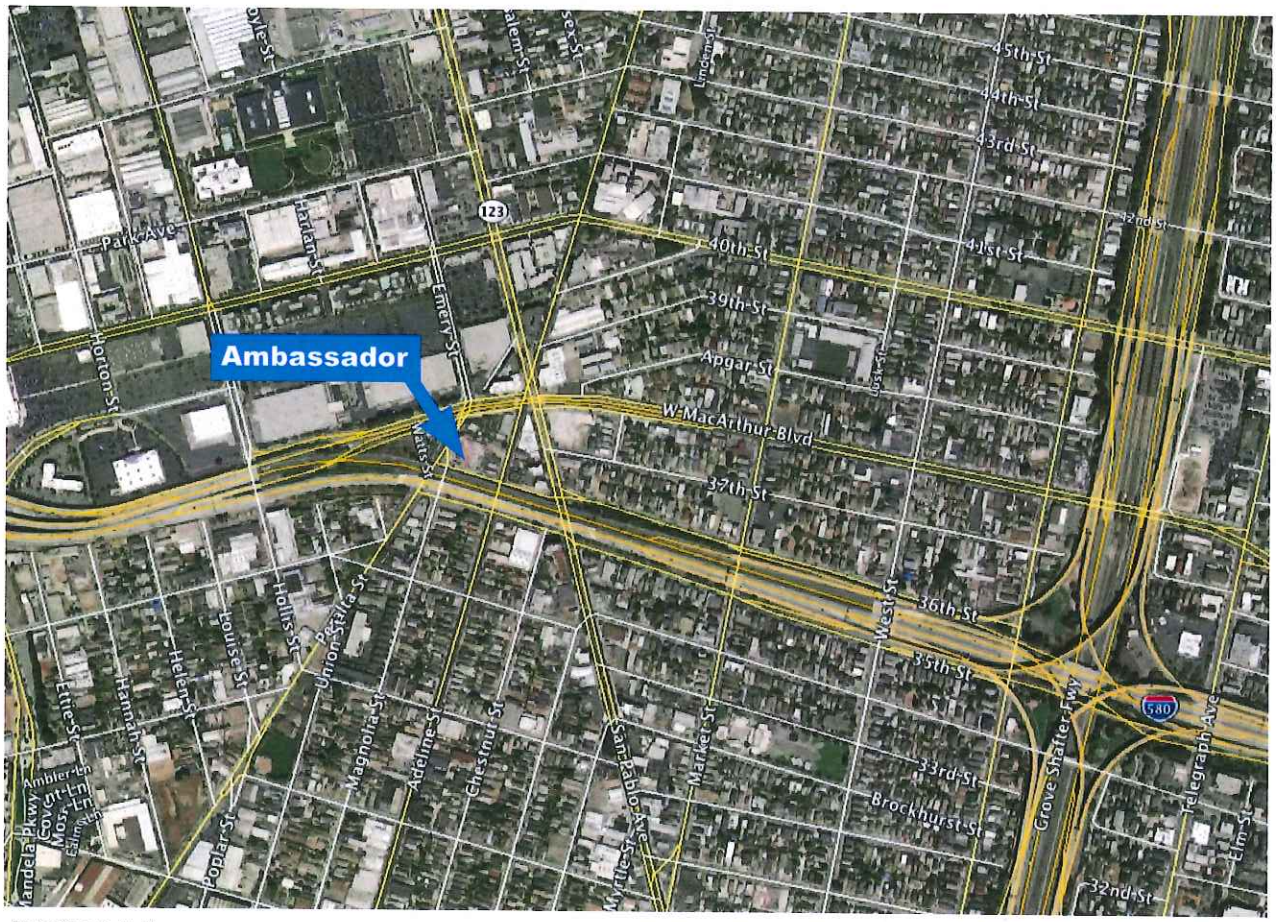
VIII. MONITORING WELL DESTRUCTION

Date Requested by ACEH: 6/2/2014	Date of Well Decommissioning Report: June 16, 2014; Waste removal documentation provided on June 20, 2014	
All Monitoring Wells Destroyed: Yes	Number Destroyed: 1	Number Retained: 0
Reason Wells Retained: ----		
Additional requirements for submittal of groundwater data from retained wells: ----		
ACEH Concurrence - Signature: Mark E.		Date: 7/2/2014

Attachments:

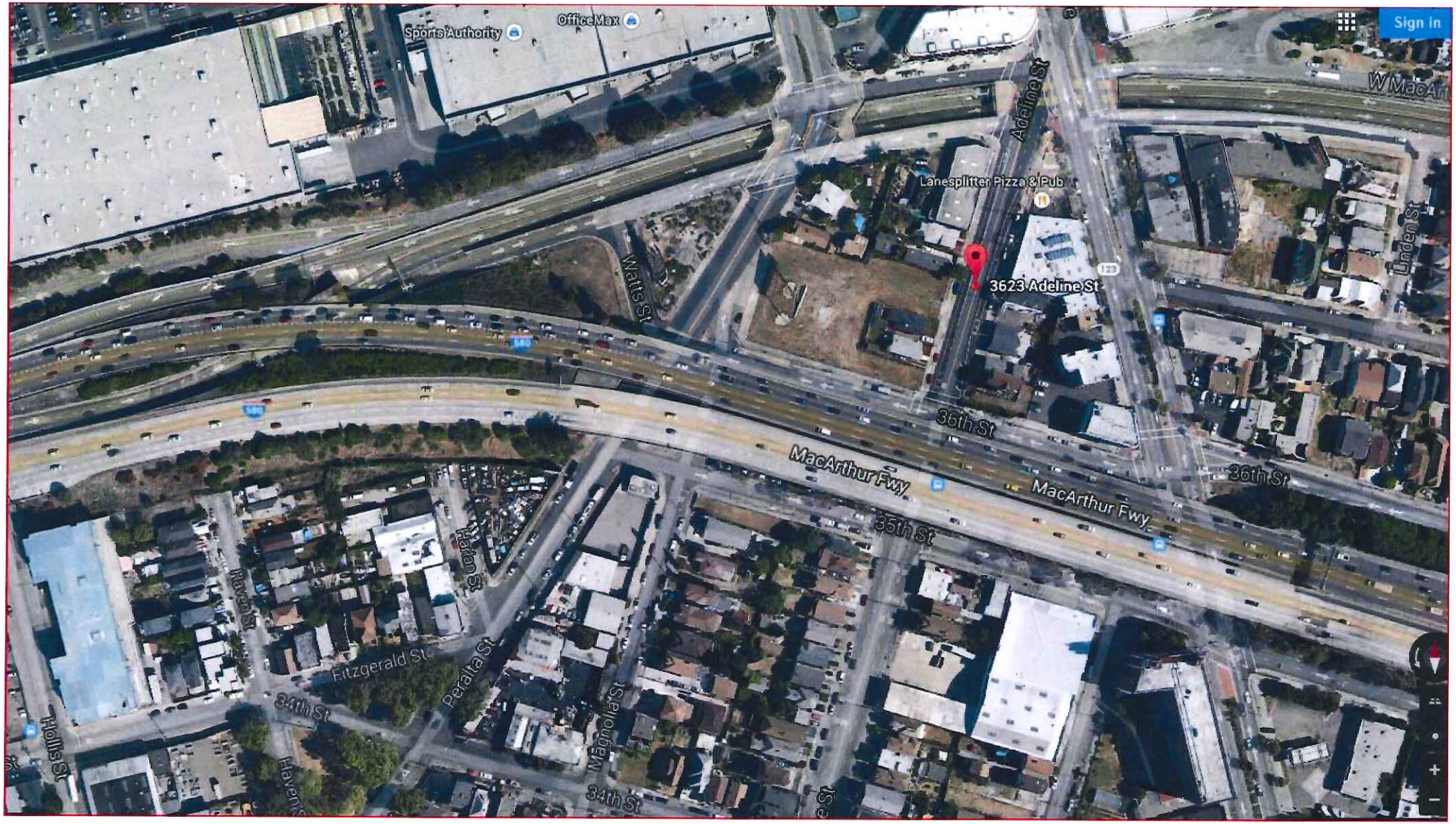
1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plans (7 p)
3. Groundwater Contour and Chemical Concentration Maps (2 pp)
4. Soil and Soil Vapor Analytical Data (26 pp)
5. Groundwater Analytical Data (14 pp)
6. Cross Sections (3 pp)

ATTACHMENT 1

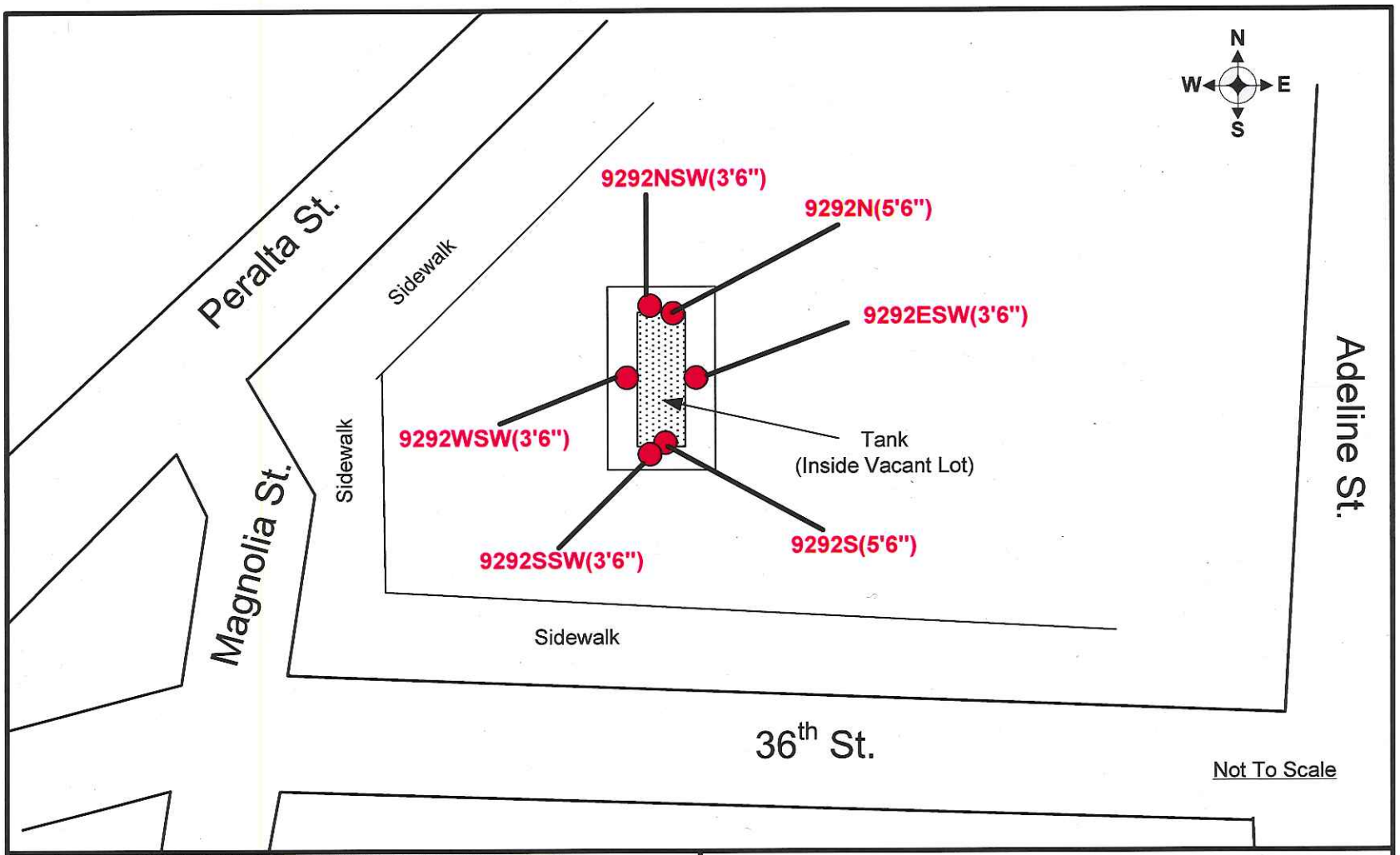


Base: Google Earth

Adania	The Ambassador Apartments Site Management Plan 3610 Peralta Street Emeryville, California Project A1085-10	**PROPERTY LOCATION MAP**	FIGURE **1**


Sports Authority
OfficeMax
Adeline St
Lanesplitter Pizza & Pub
3623 Adeline St
Watts St
Linden St
580
123
36th St
MacArthur Fwy
MacArthur Fwy
36th St
35th St
Halian St
Haven St
Fitzgerald St
Peralta St
34th St
Magnolia St
Hollis St
34th St
Sign in

ATTACHMENT 2



GOLDEN GATE TANK REMOVAL, INC. 1455 Yosemite Avenue San Francisco, California 94124 Phone (415) 512-1555 Fax (415) 512-0964	**Site Drawing** 1168 36th Street Emeryville, California 94608
GGTR Project No. 9292 — *Figure By:AC*	*July 2012* — ***Figure 2***

EXPLANATION

- EW1/MW1 — Extraction Well by Kleinfelder, 1996
- EW2 — Extraction Well by Adanta, 2012
- CPT-6 — Cone Penetrometer by Adanta 2013
- B-1 — Soil Boring by Cramer 2003
- MW-6 — Monitoring Well by Kleinfelder Location taken from Construction Plan (Building A) by Kava Massih Architects
- PW — Production Well (1905) Location inferred from Sanborn Earth Image (May 20, 2013)
- UST — UST removed

Property Location Base photo from Google Earth, 2013

0 10 20 30 40 feet

N

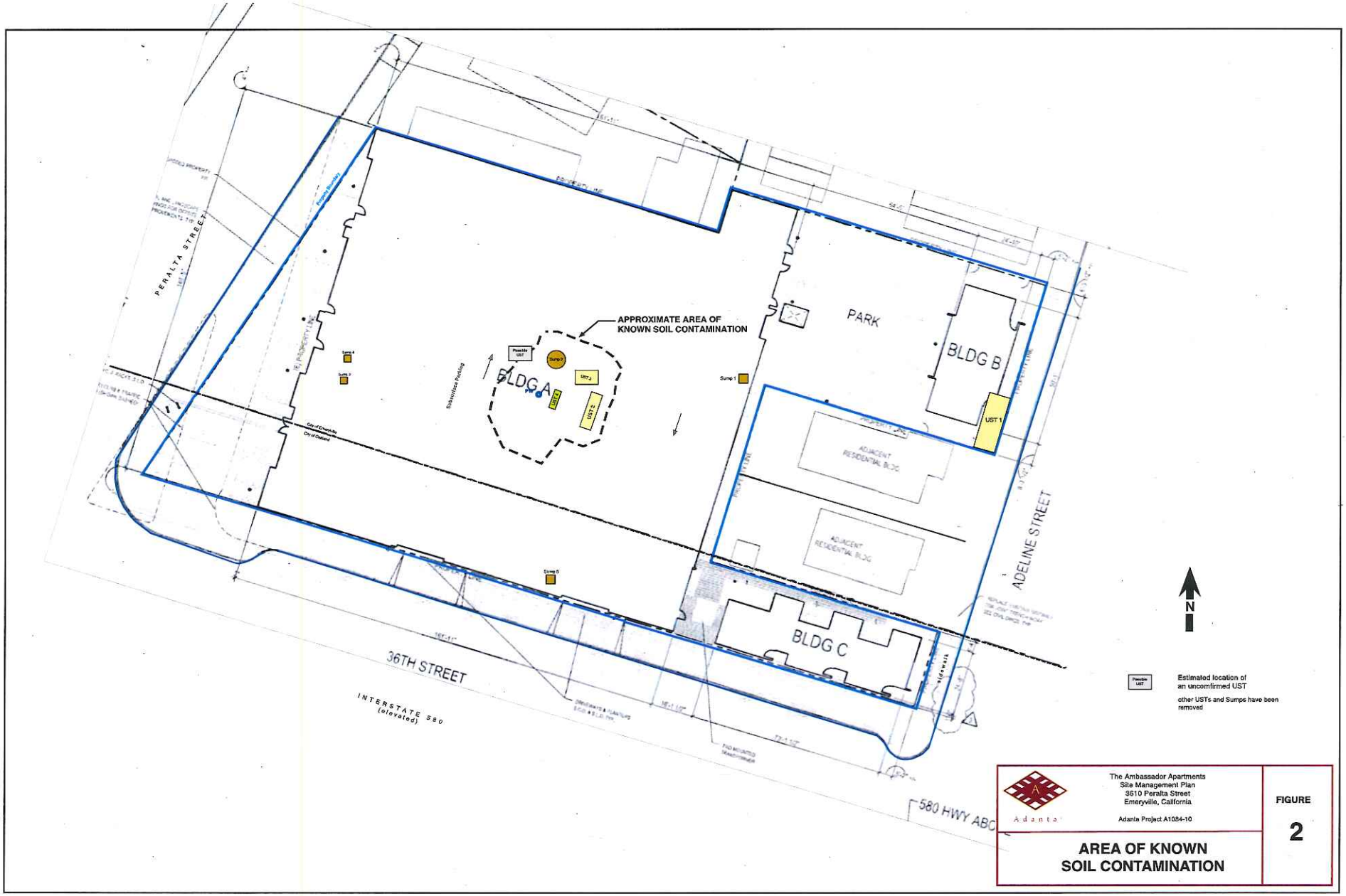
Adanta

The Ambassador
Site Conceptual Model
1168 36th Street
Emeryville, California

Adanta Project A1085-9

FIGURE 7

SAMPLE LOCATIONS



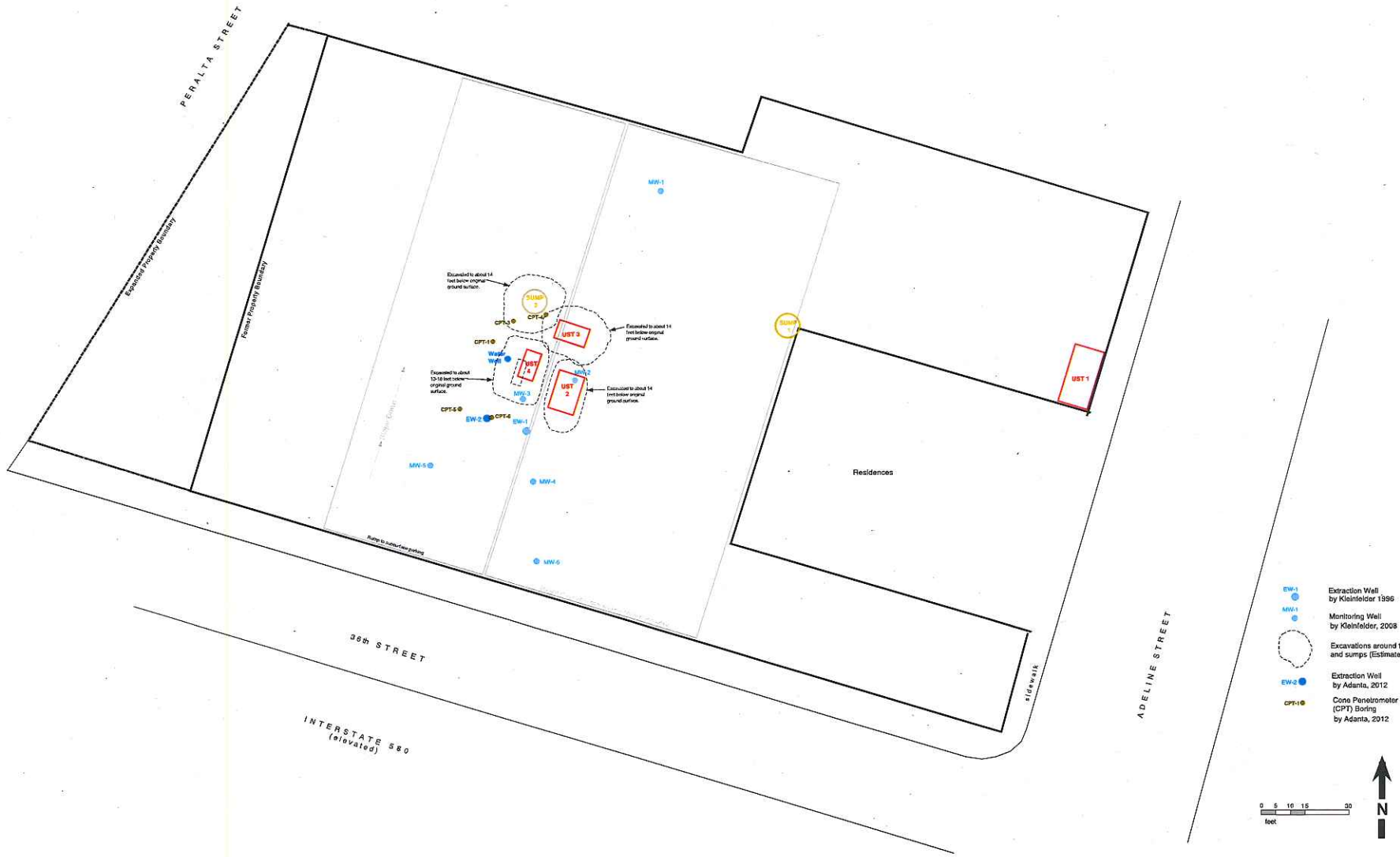
The Ambassador Apartments
Site Management Plan
3610 Peralta Street
Emeryville, California

Adanta Project A1084-10

AREA OF KNOWN SOIL CONTAMINATION

FIGURE

2



Ambromeka
1168 36th Street
Emeryville, California
Project A1686-6

ASSESSMENT AND REMEDIATION MAP

FIGURE 1

Photo 1

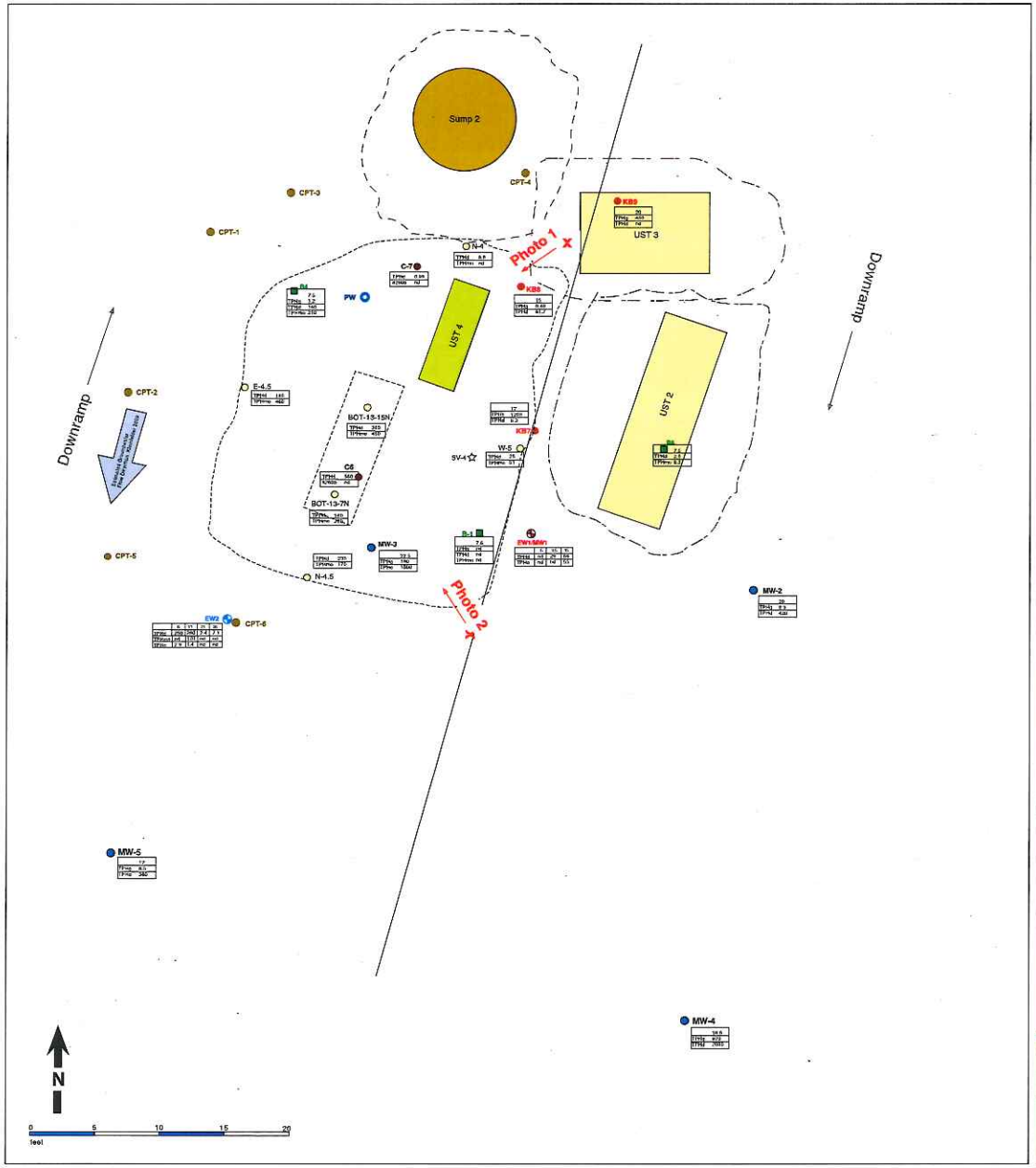
UST 4 - over excavation. Decision was made to stop excavating the width and breadth due to safety concerns. A five-foot deep trench was excavated at the bottom of the excavation, as shown below, in an attempt to remove as much contaminated soil as practical within safety constraints.

Photo 2

UST 4 -The trench at the bottom of the excavation is five feet deep and as wide as the bucket on the backhoe. The top of the trench is about eight feet below the top of the excavation, which is about five feet below original ground surface. The trench remained open for about 90 minutes while groundwater seeped in at a ver slow rate. One liter of water was collected from the bottom of the trench prior to filling the excavation with a concrete slurry due to safety concerns for onsite workers and equipment.

Photo 3

Google Earth image of the Property during abandonment of the 1905 production well. Image date is May 20, 2012. At grade confirmation soil samples were collected May 15, 2012, five days previous to this image.



EXPLANATION

MW-6 Monitoring Well by Kleinfelder, 2005. Location taken from Demolition Plan (Rotating A) by Kava Massih Architects

PW Production Well (1910). Location entered from Google Earth Image (May 20, 2012)

UST #4 UST removed April 2012. Location taken from Google Earth (May 20, 2012 image)

C7 Confirmation Soil Sample. Collected by Alameda at grade for excavation planning (May 15, 2012)

CPT-6 Core Penetrometer by Alameda, June 2012

EW2 Excavation Well by Alameda, 2012

Note: Other than these locations above, all sampling and UST locations are based from the maps of other consultants. These locations are likely not precise.

EW1/MW1 Extraction Well by Kleinfelder, 1996

B-1 Soil Boring by Clayton 2002

SV-4 Soil Vapor Sample from Kleinfelder 2008. Analyzed for VOCs. Concentrations less than ERLs for each VOC in each boring.

UST 3 750-gallon capacity UST removed by Kleinfelder 2008

UST 2 2,000 gallon capacity UST removed by ACEH, 1995

Total petroleum hydrocarbons as gasoline TPHg; diesel TPHd; motor oil TPHmo; bunker oil TPHb

Depth in feet below original ground surface

Concentrations in milligrams per kilogram (mg/kg)

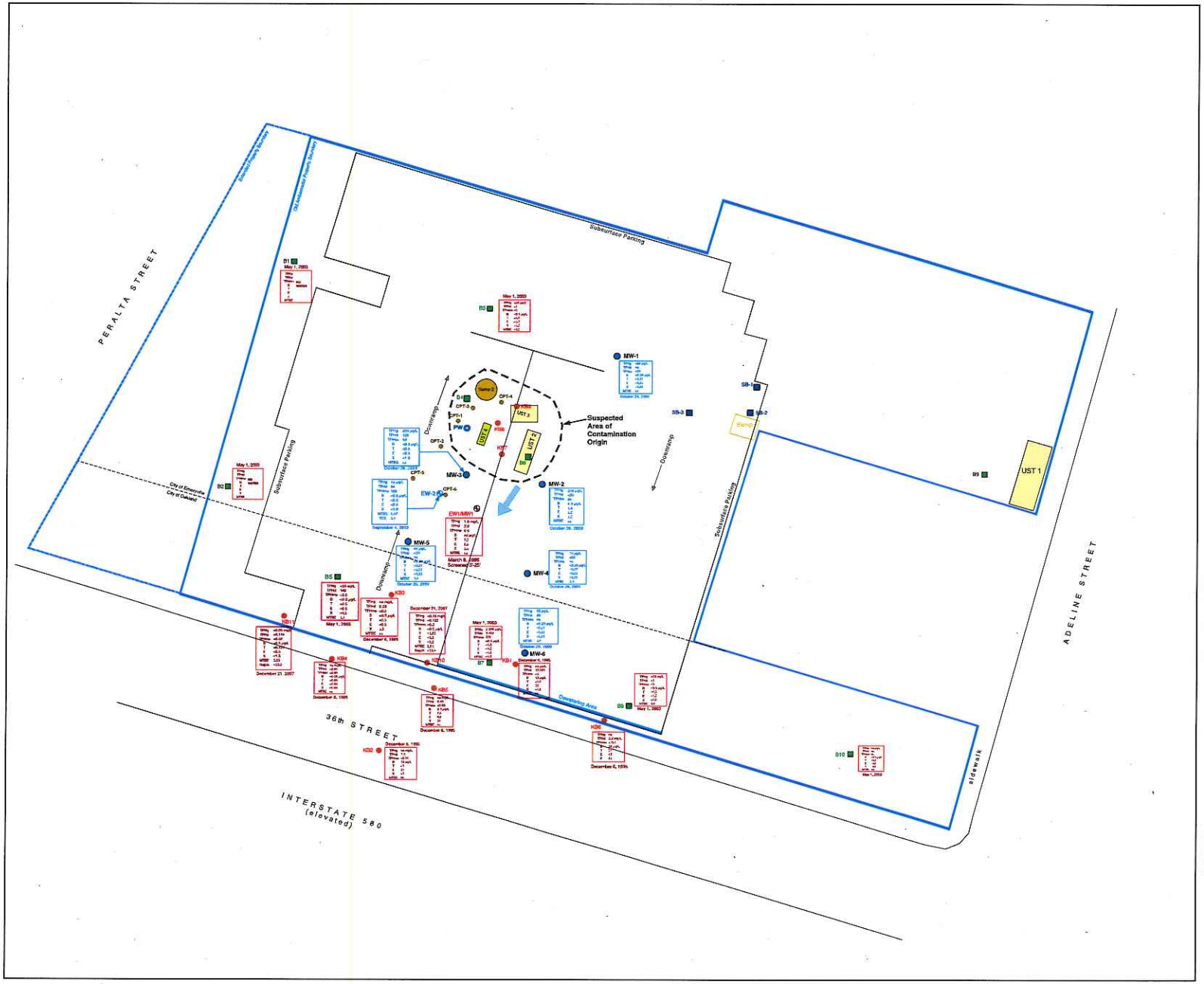
nd detected above method detection limits

Soil samples analyses represent the highest reported concentration in each sampling location

The Ambassador
Site Conceptual Model
1168 36th Street
Emeryville, California
Project A1069-9

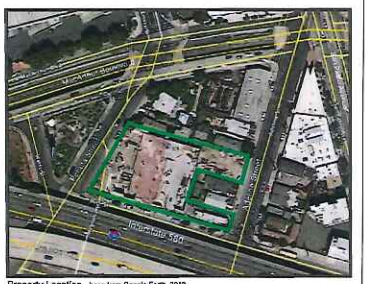
FIGURE 9

SOIL SAMPLE DATA IN AREA OF CONCERN



EXPLANATION

- EW1/MW1 — Extraction Well by Kleinfelder, 1995
- EW2 — Extraction Well by Adanta, 2012
- CPT-6 — Cone Penetrometer by Adanta 2012
- B-1 — Soil Boring by Clayton 2003
- MW-6 — Monitoring Well by Kleinfelder (Location taken from Demolition Plan (Building A) by Kava Massih Architects)
- PW — Production Well (1995) (Location affixed from Google Earth image (May 20, 2012))
- UST removed
- MW-6 — Data From Deeper Groundwater Zone (blue)
- KB1 — Data From Shallower Groundwater Zone (red)
- Groundwater Flow Direction, Kleinfelder 2007



Property Location base from Google Earth, 2013

0 10 20 30 40
feet

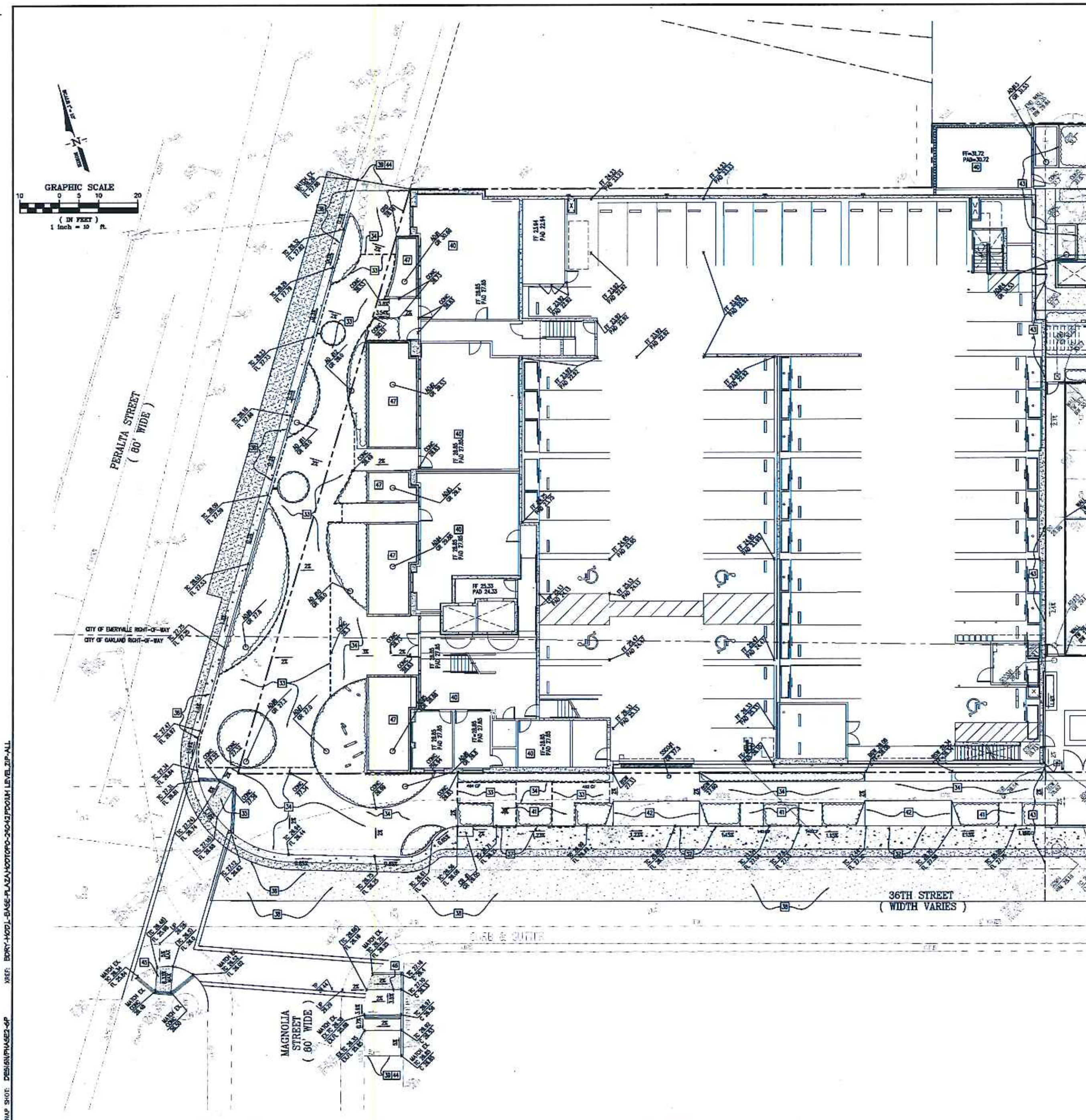
N

The Ambassador
Site Conceptual Model
1166 36th Street
Emeryville, California

Adanta Project A1584-9

SHALLOW AND DEEPER ZONE GROUNDWATER DATA

FIGURE
8



GRADING NOTES:

[33] CONSTRUCT CONCRETE SIDEWALK PER DETAIL NO. 1 WITH NOTE A IN TABLE ON SHEET C-2.1A. REMOVE TOP 48" SOIL BELOW SUBBASE UNDERNEATH SIDEWALK AND REPLACE WITH 48" STRUCTURAL SOIL. STRUCTURAL SOIL TO BE CORNELL STRUCTURAL SOIL BY TMT ENTERPRISES OR APPROVED EQUAL. CONTRACTOR SHALL REFER TO LANDSCAPING PLAN FOR EXACT LOCATION, PATTERN, COLOR, AND FINISH TEXTURE PRIOR TO PLACING CONCRETE. CONSTRUCT EXPANSION AND CONSTRUCTION JOINT PER DETAIL NO. 2 ON SHEET C-2.1A.

[34] CONSTRUCT CONCRETE SIDEWALK PER DETAIL NO. 1 WITH NOTE B IN TABLE ON SHEET C-2.1A. CONTRACTOR SHALL REFER TO LANDSCAPING PLAN FOR EXACT LOCATION, PATTERN, COLOR, AND FINISH TEXTURE PRIOR TO PLACING CONCRETE. CONSTRUCT EXPANSION AND CONSTRUCTION JOINT PER DETAIL NO. 2 ON SHEET C-2.1A.

[35] CONSTRUCT A DIAGONAL CASE "E" ACCESS RAMP PER CITY OF OAKLAND STANDARD DETAILS S-4, S-6, S-7, AND S-8.

[36] CONSTRUCT TYPE "A" 6" CURB AND GUTTER PER CITY OF OAKLAND STANDARD DETAILS DWG. S-1. CONTRACTOR SHALL PROVIDE EXPANSION JOINT PER DETAIL NO. 2 ON SHEET C-2.1A.

[37] CONSTRUCT TYPE "C" 6" CURB AND GUTTER PER DETAIL CITY OF OAKLAND STANDARD DETAILS DWG. S-1. CONTRACTOR SHALL PROVIDE EXPANSION JOINT PER DETAIL NO. 2 ON SHEET C-2.1A.

[38] GRIND MINIMUM 5' WIDE AND 0.2' DEEP EXISTING ASPHALT CONCRETE PAVEMENT AT LIMIT OF IMPROVEMENT FOR ASPHALT CONCRETE OVERLAY PER DETAIL NO. 3 ON SHEET C-2.1A.

[39] CONNECT TO THE EXISTING SIDEWALK PER DETAIL NO. 4 ON SHEET C-2.1A.

[40] PAD ELEVATION SHOWN HEREON IS BASED ON 6" S.O.G OVER 2" SAND OVER 4" GRAVEL. CONTRACTOR SHALL VERIFY THE THICKNESS OF CONCRETE SLAB AND AGGREGATE BASE MATERIAL BEFORE ANY GRADING PROCESS OCCURS. CONTRACTOR SHALL ADJUST THE PAD ELEVATION IF THE ABOVE CONDITION CHANGES.

[41] CONSTRUCT BRICK PAVERS. SEE LANDSCAPING PLANS FOR DETAILS. REMOVE TOP 48" SOIL BELOW SUBBASE UNDERNEATH SIDEWALK AND REPLACE WITH 48" STRUCTURAL SOIL. STRUCTURAL SOIL TO BE CORNELL STRUCTURAL SOIL BY TMT ENTERPRISES OR APPROVED EQUAL.

[42] CONSTRUCT CONCRETE DRIVEWAY PER CITY OF OAKLAND STANDARD DETAIL DWG S-2 SHOWN ON SHEET C-2.1A.

[43] LIMIT OF IMPROVEMENT. REFER TO PHASE 1 IMPROVEMENT PLANS FOR ADJACENT IMPROVEMENTS.

[44] LIMIT OF IMPROVEMENT. MATCH EXISTING GRADES AND PROVIDE SMOOTH TRANSITION AND POSITIVE DRAINAGE.

[45] CONSTRUCT CASE "A" ACCESS RAMP PER CALTRANS STANDARD PLAN RSP A88A.

[46] CONSTRUCT ACCESS RAMP PER DETAIL NO. 8 ON SHEET C-2.1A.

[47] REFER TO NOTE 83 AND TABLE ON SHET C-5 FOR INFILTRATION PLANTER WALL ELEVATIONS.

GENERAL GRADING NOTES:

PROTECT AND ADJUST EXISTING UTILITY BOXES, POLES, VALVES, CATCH BASINS, FIRE HYDRANTS AND MAN HOLES TO MATCH FINAL GRADE UNLESS OTHERWISE SPECIFIED ON THE PLAN.

SPOT ELEVATIONS IN PARENTHESIS (e.g. (TC 3.52) (FL 1.26)) ARE FOR REFERENCE ONLY, NOT TRUE ELEVATIONS. RAMPS, DRIVEWAYS, AND CATCH BASINS SHALL BE CONSTRUCTED PER CITY OF OAKLAND STANDARD DETAILS AS REFERENCE ON THIS PLAN.

IT IS RECOMMENDED THAT THE FINAL LIFT OF AC AND THE FINAL TRAFFIC STRIPING NOT BE PLACED UNTIL ALL OTHER WORK ON THE ROADWAY PROJECT AND THE BUILDING PROJECT IS COMPLETED.

Plot Date: APRIL 27, 2012

CAVA massih ARCHITECTS
A CALIFORNIA CORPORATION
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SEAL & SIGNATURE

REGISTERED PROFESSIONAL ENGINEER — LUK TAI CHI GEORGE — No. C042300 — CIVIL — STATE OF CALIFORNIA

CONSULTANTS

STRUCTURAL ENGINEER
OLMM

MECHANICAL/ELECTRICAL/PLUMBING ENGINEER
MK2

CIVIL
LUK ASSOCIATES

LANDSCAPE
CLIFF LOWE ASSOCIATES

AGENCY APPROVAL

rcd
Resources for Community Development

AMBASSADOR HOUSING

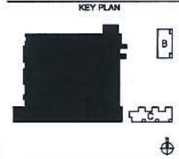
BUILDING A

1168 36TH STREET
EMERYVILLE, CA

REVISIONS

PERMIT SUBMITTAL - BLDGS. B & C	15 DEC 10
75% CD PRICING - BLDGS. A, B, & C	11 APR 11
PERMIT SUBMITTAL - BUILDING A	21 SEP 11
PERMIT RESUBMITTAL - BUILDING A	08 DEC 11
CONSTRUCTION SET	30 APR 12

KEY PLAN



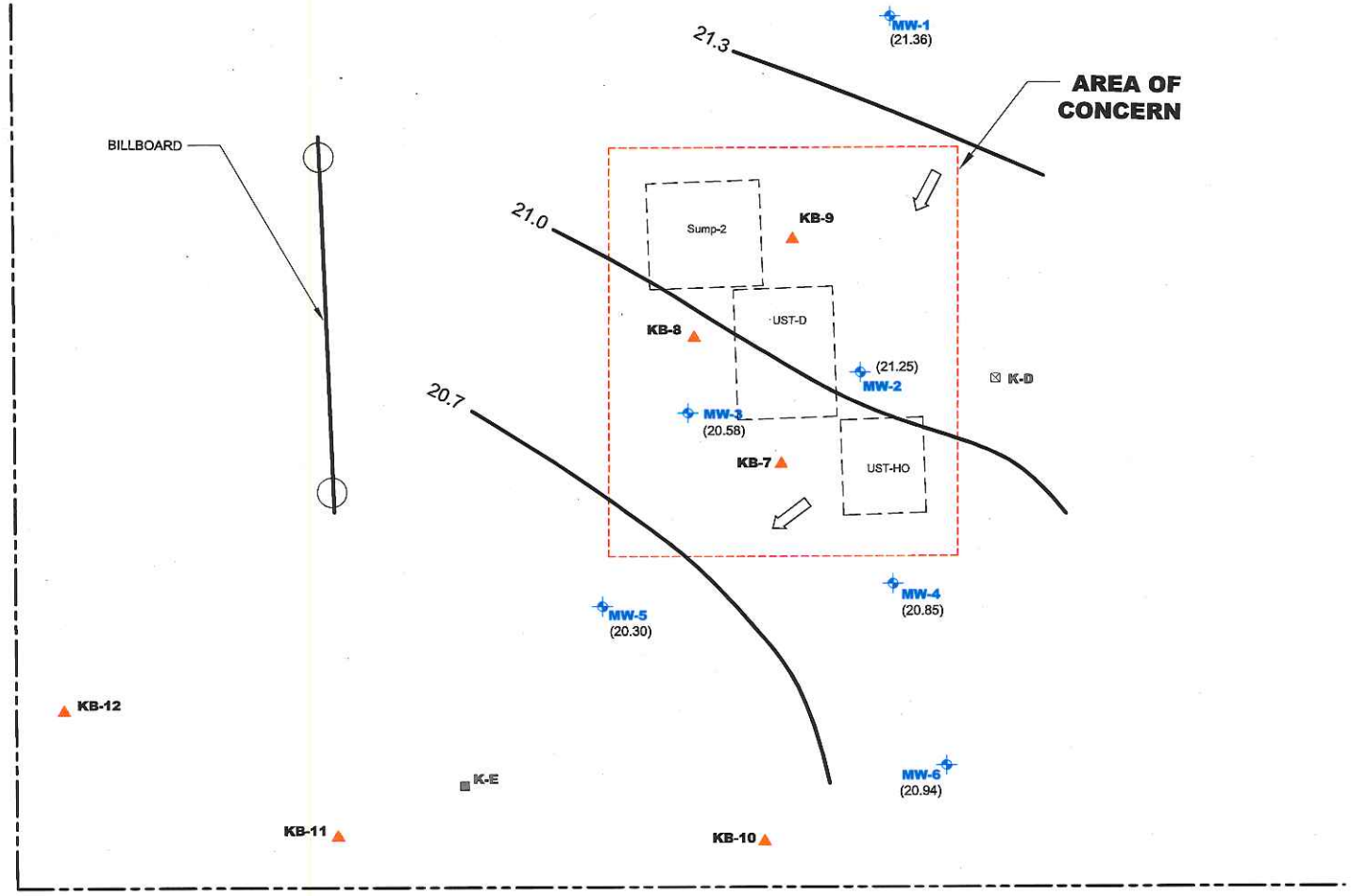
DRAWING TITLE

GRADING PLAN (BUILDING A)

DRAWN: D.A.D. CHECKED: J.L.
DATE: MARCH 2010 SCALE: 1"=10'
JOB NO.: 29042-10 FILE NO.: DESIGN/MASTER-29042.DWG

SHEET NUMBER: C-4A

ATTACHMENT 3



LEGEND

- SITE BOUNDARY
- MONITORING WELL (Kleinfelder, 2009
- BORING (Kleinfelder, 2007)
- EXPLORATORY BORING
- CONE PENETROMETER TEST
- UST-HO — UST - Heating Oil (Removed 1995)
- UST-G — UST - Gasoline (Removed 1994)
- UST-D — UST - Diesel (Removed 2007)
- Sump-2 — Sump-2 (Removed 2005)
- (21.36) — Groundwater Elevation (feet, NAVD, 1988)
- 21.0 — Groundwater Elevation Contour (feet, NAVD, 1988)
- Approximate Groundwater Flow Direction

NOTE: Locations are approximate.

N

15 7.5 0 15

APPROXIMATE SCALE (feet)

PLOTTED: 30 Nov 2009, 8:12pm, jsala
CAD FILE: L:\2009\09Projects\73943\GRAPHICs\PW\GW\M11-09\ LAYOUT: GW
PLEASANTON, CA

KLEINFELDER
Bright People. Right Solutions.
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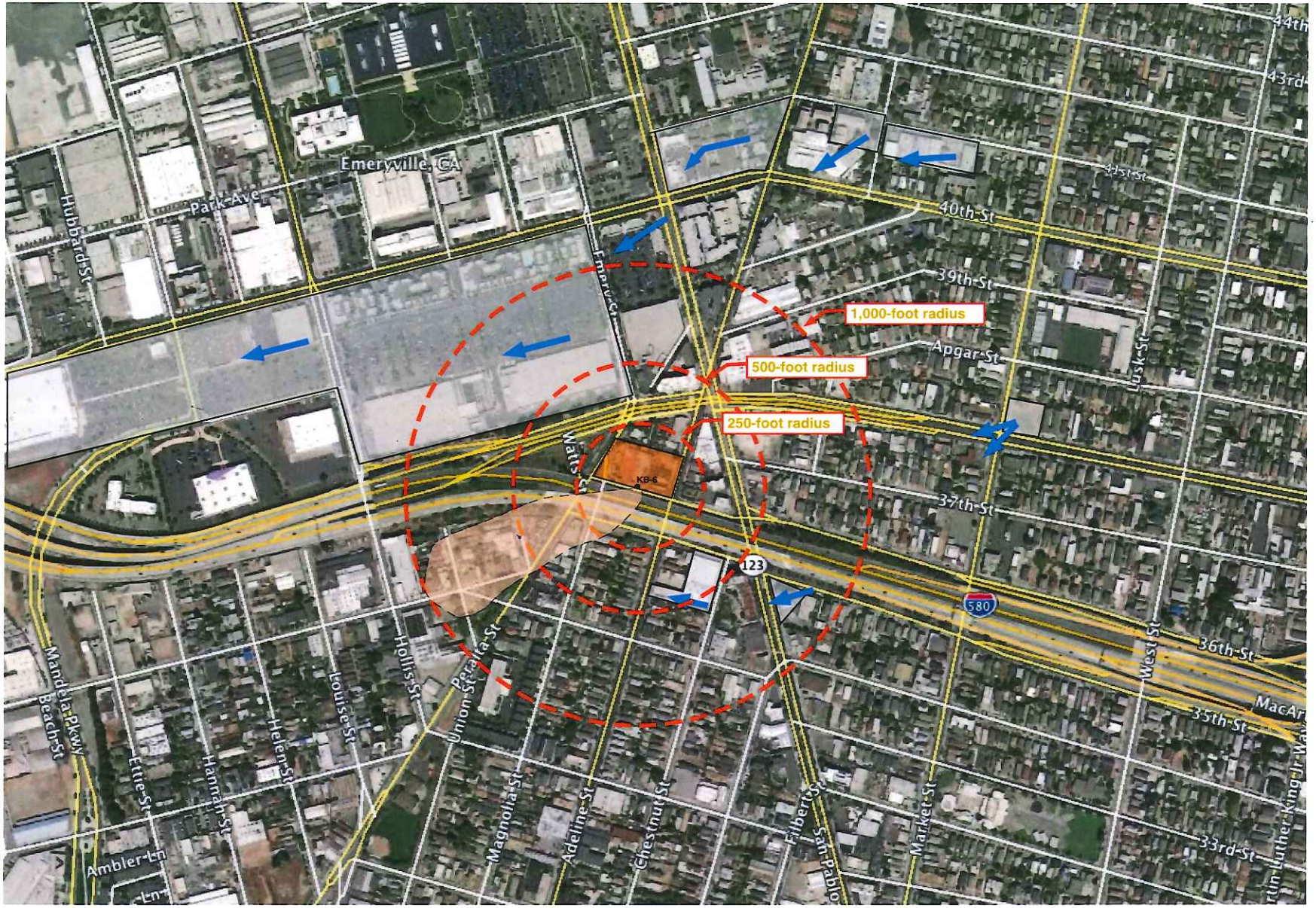
PROJECT NO.	73943
DRAWN:	NOV 2009
DRAWN BY:	JDS
CHECKED BY:	AD
FILE NAME:	GW_11-2009.dwg

GROUNDWATER SURFACE ELEVATION CONTOUR AND ESTIMATED GROUNDWATER FLOW: NOVEMBER 26, 2009

FORMER AMBASSADOR LAUNDRY
3601-3623 ADELINE STREET
EMERYVILLE, CALIFORNIA

PLATE **2**



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Listed Site with Groundwater Flow Direction, taken from groundwater monitoring events found on Geotracker

Maximum Potential Plume Length, showing possible impact area

Radii (Orange Circles) are based on distance from boring KB-6

Adanta

The Ambassador
Site Conceptual Model Addendum
1168 36th Street
Emeryville, California

Adanta Project A1085-9

Maximum Likely Groundwater Plume Map

FIGURE

A-2

ATTACHMENT 4

Table 7-1

Volatile Organic Compounds Reported in Soil Vapor

Former Ambassador Laundry

Emeryville, California

Analytes (µg/m³)	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylene	o-Xylene	Xylenes, total	Isopropanol	2-Butanone (MEK)	Carbon Disulfide	Chloroform	4-Ethyl Toluene	4-Methyl-2-Pentanone (MIBK)	Tetrachloroethene	Styrene	Trichlorofluoromethane	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
ESL	660,000	84	63,000	210,000	NE	NE	21,000	NE	1,000,000	NE	460	NE	17,000	410	190,000	NE	460,000	NE	NE
SV-1	140	6.0	47	<1.67	53	17	70	<16.4	47	8.3	<2.44	28	<2.05	5.3	<2.13	<2.48	<2.73	36	6.8
SV-2	74	13	54	11	71	23	94	28	19	5.6	<2.44	37	5.4	<3.39	<2.13	<2.48	<2.73	47	11
SV-3	81	5.9	45	<1.67	44	14	58	<16.4	20	13	<2.44	20	<2.05	12	3.5	<2.48	<2.73	25	5.9
SV-4	29	2.7	21	<1.67	39	13	52	<16.4	11	<1.56	<2.44	21	<2.05	<3.39	<2.13	<2.48	<2.73	28	7.4
SV-5	22	2.2	20	<1.67	32	10	42	<16.4	7.0	5.8	7.2	18	<2.05	64	<2.13	5.8	<2.73	24	5.1
SV-6	57	2.5	37	<1.67	39	12	51	<16.4	23	6.7	<2.44	17	3.0	11	<2.13	<2.48	6.3	23	5.1

Acronyms

ESL Environmental Screening Levels, San Francisco Regional Water Quality Control Board, November 2007 - Table E Indoor Air and Soil Gas in Residential Land use.

µg/m3 micrograms per cubic meter

NE Not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Depth (ft bgs)	Sample Date	Petroleum Hydrocarbons (8015M)		Volatile Organics (8020)				Metals (3050)					RCI
			TPH-d (mg/kg)	TPH-o (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	(mg/kg)
EW-1	5.0	11/14/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	9.5	11/14/95	29	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	11/14/95	56[a]	55	27	400	360	1300	--	--	--	--	--	--
B-1	5.0	12/6/95	ND	16	ND	ND	ND	ND	--	--	--	--	--	--
	10.0	12/6/95	1.1[b]	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	12/6/95	1.5[c]	ND	8.5	22	36	91	--	--	--	--	--	--
B-2	15.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-3	15.0	12/6/95	1.4[d]	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-4	5.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	10.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	12/6/95	1.9	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-5	5.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	10.0	12/6/95	1.1	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	12/6/95	3.2	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-6	15.0	12/6/95	34[c]	ND	ND	38	49	88	--	--	--	--	--	--
Drums	--	3/8/96	--	--	--	--	--	--	ND	36	10	45	8	ND

EXPLANATION

ft bgs	feet below ground surface
mg/kg	milligrams per kilogram = parts per million
µg/kg	micrograms per kilogram = parts per billion
--	not tested
ND	target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.
TPH	total petroleum hydrocarbons quantified as noted below.
d	= quantified as diesel
o	= quantified as bunker oil
b	= quantified as benzene
RCI	reactivity, corrosivity, ignitability

NOTES

a	The sample appears to be a mixture of components which are both lighter and heavier than diesel. The hydrocarbon pattern representing the heavier fraction exhibits characteristics which are peculiar to fuel oil.
b	The result for the diesel range hydrocarbons is an unknown hydrocarbon consisting of a single peak.
c	The positive result appears to be a lighter hydrocarbon than diesel.
d	Laboratory reported the positive result as having an atypical pattern for diesel analysis.

Table 7-2
Volatile Organic Compounds Reported in Soil
Former Ambassador Laundry
Emeryville, California

	Sample ID	Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylenes (mg/Kg)	MtBE (mg/Kg)	2-Methyl naphthalene (mg/kg)
	Preliminary Remedial Goals (PRG)			**0.64**	**520**	**400**	**270**	**32**	**NE**
FORMER INVESTIGATION	KB-1-5	5	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	SB-1-10	10	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-1-15	15	12/6/1995	0.0085	0.022	0.036	0.091	NA	NA
	KB-2-15	15	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-3-15	15	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-4-5	5	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-4-10	10	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-4-15	15	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-5-5	5	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-5-10	10	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-5-15	15	12/6/1995	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA
	KB-6-15	15	12/6/1995	<0.0025	0.03	0.049	0.088	NA	NA
2007 UST CONFIRMATION SAMPLES AND SUBSURFACE INVESTIGATION	EUST-Bottom-N	14	10/30/2007	<0.0056 UJ	<0.0056 UJ	<1.2	<2.3	<0.0056 UJ	<1.03
	EUST-Bottom-S	14	10/30/2007	<0.0059 UJ	<0.0059 UJ	<1.2	<2.4	<0.0059 UJ	<2.04
	EUST-Wall-E	12	10/30/2007	<0.0056 UJ	<0.0056 UJ	<1	<2	<0.0056 UJ	2.11 J
	EUST-Wall-N2	12	10/30/2007	<0.0054 UJ	<0.0054 UJ	<1.1	<2.3	<0.0054 UJ	<2.04
	EUST-Wall-N	12	10/30/2007	<0.0053 UJ	<0.0053 UJ	<1.1	<2.2	<0.0053 UJ	<1.02
	EUST-Wall-S	12	10/30/2007	<0.0051 UJ	<0.0051 UJ	<1	<2.1	<0.0051 UJ	<0.507
	EUST-Wall-W	12	10/30/2007	<0.0059 UJ	<0.0059 UJ	<1.1	<2.3	<0.0059 UJ	<1.02
	KB-7-5	5	12/21/2007	<0.0027	<0.0027	<0.0027	<0.008	<0.0053	<0.389
	KB-7-10	10	12/21/2007	<0.0028	<0.0028	<0.0028	<0.0084	<0.0056	<0.404
	KB-7-15	15	12/21/2007	<0.003	<0.003	<0.003	<0.0091	<0.006	<0.415
	KB-7-17	17	12/21/2007	NA	NA	NA	NA	NA	<0.420
	KB-7-18	18	12/21/2007	<0.27	<0.27	<0.27	<0.82	<0.55	NA
	KB-7-20	20	12/21/2007	NA	NA	NA	NA	NA	<0.410
	KB-8-5	5	12/21/2007	<0.0026	<0.0026	<0.0026	<0.0078	<0.0052	<0.382
	KB-8-10	10	12/21/2007	<0.0027	<0.0027	<0.0027	<0.0081	<0.0054	<1.99
	KB-8-15	15	12/21/2007	<0.0029	<0.0029	<0.0029	<0.0086	<0.0058	<4.12
	KB-8-20	20	12/21/2007	<0.0031	<0.0031	<0.0031	<0.0093	<0.0062	<0.410
	KB-9-5	5	12/21/2007	<0.0028	<0.0028	<0.0028	<0.0084	<0.0056	<0.385
	KB-9-10	10	12/21/2007	<0.003	<0.003	<0.003	<0.009	<0.006	<0.397
	KB-9-10B	10	12/21/2007	<0.0027	<0.0027	<0.0027	<0.0082	<0.0055	<0.401
	KB-9-15	15	12/21/2007	<0.0033	<0.0033	<0.0033	<0.01	<0.0066	<4.38
	KB-9-20	20	12/21/2007	<0.32	<0.32	1.20	<0.96	<0.64	<0.414
	KB-10-16	16	12/21/2007	<0.31	<0.31	<0.31	<0.93	<0.62	<0.434

Acronyms:

bgs	below ground surface
J	Reported result is an estimated value.
mg/kg	milligrams per kilogram (parts per million)
MTBE	Methyl tert Butyl Ether
NA	not analyzed
PRG	California Environmental Protection Agency Region IX Preliminary Remedial Goals (2004)
Res -Non-DWS	Residential Non Drinking Water Source (ESL Tables B and D)
UJ	Reported result is an estimated nondetected value.

Notes:

<1.0	Not detected at or above the laboratory reporting limit shown.
Shading	Reported concentration detected above the applicable standard(s) or guidance value(s)

Table 7-3
Petroleum Hydrocarbon Concentrations Reported in Soil
Former Ambassador Laundry
Emeryville, Califorinia

	Sample ID	Depth (feet bgs)	Sample Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)
	ESL Soil <3M, Res-Non-DWS			**100**	**100**	**410**
	ESL Soil >3M, Res-Non-DWS			**4,200**	**150**	**5,000**
FORMER INVESTIGATION	KB-1-5	5	12/6/1995	NA	<1	16
	SB-1-10	10	12/6/1995	NA	1.1	<10
	KB-1-15	15	12/6/1995	NA	1.5	<10
	KB-2-15	15	12/6/1995	NA	<1	<10
	KB-3-15	15	12/6/1995	NA	1.4	<10
	KB-4-5	5	12/6/1995	NA	1.1	<10
	KB-4-10	10	12/6/1995	NA	<1	<10
	KB-4-15	15	12/6/1995	NA	1.9	<10
	KB-5-5	5	12/6/1995	NA	<1	<10
	KB-5-10	10	12/6/1995	NA	<1	<10
	KB-5-15	15	12/6/1995	NA	3.2	<10
	KB-6-15	15	12/6/1995	NA	34	<10
2007 UST CONFIRMATION SAMPLES AND SUBSURFACE INVESTIGATION	EUST-Bottom-N	14	10/30/2007	31 J	134	112
	EUST-Bottom-S	14	10/30/2007	0.96 J	391	90.6
	EUST-Wall-E	12	10/30/2007	<10 UJ	86.5	<9.68
	EUST-Wall-N2	12	10/30/2007	<12 UJ	774 J	163 J
	EUST-Wall-N	12	10/30/2007	1 J	228 J	35.7 J
	EUST-Wall-S	12	10/30/2007	<10 UJ	346	<47.7
	EUST-Wall-W	12	10/30/2007	1.2 J	469	98.7
	KB-7-5	5	12/21/2007	<0.055 UJ	<2.36	<4.72
	KB-7-10	10	12/21/2007	0.83 J	<2.45	<4.90
	KB-7-15	15	12/21/2007	<0.062 UJ	<2.52	<5.03
	KB-7-17	17	12/21/2007	NA	5.31	<5.09
	KB-7-18	18	12/21/2007	1200 J	NA	NA
	KB-7-20	20	12/21/2007	NA	6.15	<4.97
	KB-8-5	5	12/21/2007	<0.053 UJ	<2.31	<4.63
	KB-8-10	10	12/21/2007	<0.11 UJ	112	34
	KB-8-15	15	12/21/2007	0.49 J	81.7	47.7
	KB-8-20	20	12/21/2007	<6.1 UJ	4.6	18.1
	KB-9-5	5	12/21/2007	<0.055 UJ	<2.33	<4.66
	KB-9-10	10	12/21/2007	<0.051 UJ	<2.41	<4.81
	KB-9-10B	10	12/21/2007	<0.055 UJ	<2.43	<4.86
	KB-9-15	15	12/21/2007	<0.15 UJ	28	46.7
	KB-9-20	20	12/21/2007	450 J	<2.51	<5.02
	KB-10-16	16	12/21/2007	<6.2 UJ	<2.63	<5.26

Acronyms

bgs:	below ground surface
ESL	Environmental Screening Levels- San Francisco Region Water Quality Control Board - November 2007
Res -Non-DWS	Residential Non Drinking Water Source (ESL Tables B and D)
J	Reported result is an estimated value.
UJ	Reported result is an estimated nondetected value.
mg/kg	milligrams per kilogram (parts per million)
NA	not analyzed
NE	not established
NS	not sampled
TPH-g	Total Petroleum Hydrocarbon as gasoline
TPH-d	Total Petroleum Hydrocarbon as diesel
TPH-mo	Total Petroleum Hydrocarbon as motor oil
Shading	Reported concentration detected above the applicable standard(s) or guidance value(s)

Table 7-4
Metal Concentrations Reported in Soil
Former Ambassador Laundry
Emeryville, California

Sample ID	Depth (feet bgs)	Date	Antimony (mg/Kg)	Arsenic (mg/Kg)	Barium (mg/Kg)	Beryllium (mg/Kg)	Cadmium (mg/Kg)	Chromium (mg/Kg)	Cobalt (mg/Kg)	Copper (mg/Kg)	Lead (mg/Kg)	Mercury (mg/Kg)	Molybdenum (mg/Kg)	Nickel (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Thallium (mg/Kg)	Vanadium (mg/Kg)	Zinc (mg/Kg)
Preliminary Remedial Goals			**31**	**0.62**	**5,400**	**150**	**37**	**100,000**	**900**	**3100**	**400**	**NE**	**390**	**1600**	**390**	**390**	**5.2**	**78**	**23000**
EUST-Bottom-N	12	10/30/2007	<6.1	8.2	140	<2.4	<1.2	34	9	29	9.1	<0.12	<6.1	51	<6.1	<1.2	<6.1	44	58
EUST-Bottom-S	12	10/30/2007	<6.0	5.4	170	<2.4	<1.2	31	11	20	7.5	<0.12	<6.0	50	<6.0	<1.2	<6.0	30	54
EUST-Wall-E	12	10/30/2007	<6.0	5.7	140	<2.4	<1.2	35	6.9	25	14	<0.12	<6.0	43	<6.0	<1.2	<6.0	41	64
EUST-Wall-N2	12	10/30/2007	<6.0	9.8	150	<2.4	<1.2	33	12	23	9.3	<0.12	<6.0	50	<6.0	<1.2	<6.0	36	48
EUST-Wall-S	12	10/30/2007	<6.0	4.2	280	<2.4	<1.2	34	11	24	6.5	<0.12	<6.0	74	<6.0	<1.2	<6.0	32	48
EUST-Wall-W	12	10/30/2007	<6.0	10	220	<2.4	<1.2	34	8.8	20	6.7	<0.12	<6.0	46	<6.0	<1.2	<6.0	31	49
KB-7-5	5	12/21/2007	<5.9	7.1	410	<2.4	<1.2	31	15	22	7	<0.12	<5.9	77	<5.9	<1.2	<5.9	31	32
KB-7-10	10	12/21/2007	<6.1	8.1	220	<2.4	<1.2	29	11	17	6.7	<0.12	<6.1	130	<6.1	<1.2	<6.1	38	40
KB-7-15	15	12/21/2007	<6.3	10	120	<2.5	<1.3	29	16	27	13	<0.13	<6.3	63	<6.3	<1.3	<6.3	45	58
KB-7-17	17	12/21/2007	<6.4	7.7	160	<2.5	<1.3	25	6.7	23	7.4	<0.13	<6.4	43	<6.4	<1.3	<6.4	41	62
KB-7-20	20	12/21/2007	<6.2	3.4	140	<2.5	<1.2	25	9.8	15	5.8	<0.12	<6.2	36	<6.2	<1.2	<6.2	29	42
KB-8-5	5	12/21/2007	<5.8	3.4	130	<2.3	<1.2	26	12	16	5.9	<0.12	<5.8	37	<5.8	<1.2	<5.8	31	35
KB-8-10	10	12/21/2007	<6.0	11	220	<2.4	<1.2	28	9.7	22	10	<0.12	<6.0	77	<6.0	<1.2	<6.0	42	47
KB-8-15	15	12/21/2007	<6.2	12	190	<2.5	<1.2	38	16	28	13	<0.13	<6.2	68	<6.2	<1.2	<6.2	56	66
KB-8-20	20	12/21/2007	<6.2	7.8	160	<2.5	<1.2	26	10	18	8.1	<0.12	<6.2	41	<6.2	<1.2	<6.2	37	54
KB-9-5	5	12/21/2007	<5.8	2.4	120	<2.3	<1.2	29	9.2	15	4.7	<0.12	<5.8	52	<5.8	<1.2	<5.8	26	30
KB-9-10	10	12/21/2007	<6.0	7	140 J	<2.4	<1.2	26	11	21 J	7.6	<0.12	<6.0	54	<6.0	<1.2	<6.0	43 J	44
KB-9-10B	10	12/21/2007	<6.1	5.4	85 J	<2.4	<1.2	26	12	15 J	6.7	<0.12	<6.1	56	<6.1	<1.2	<6.1	28 J	37
KB-9-15	15	12/21/2007	<6.6	8	170	<2.7	<1.3	36	8.6	23	8	<0.13	<6.6	66	<6.6	<1.3	<6.6	40	59
KB-9-20	20	12/21/2007	<6.3	5.5	140	<2.5	<1.3	34	12	20	8.7	<0.13	<6.3	60	<6.3	<1.3	<6.3	40	48
KB-10-16	16	12/21/2007	<6.6	9.3	150	<2.6	<1.3	25	19	24	8.8	<0.13	<6.6	57	<6.6	<1.3	<6.6	41	69

Acronyms

bgs:	below ground surface
Res -Non-DWS	Residential Non Drinking Water Source (ESL Tables B and D)
mg/Kg	milligrams per kilogram
PRG	California Environmental Protection Agency Region IX Preliminary Remedial Goals (2004)

Notes:

<1.0	Not detected at or above the laboratory reporting limit shown.
J	Reported result is an estimated value.
Shading	Reported concentration detected above the applicable standard(s) or guidance value(s).

Table 7-5
Soil Confirmation Samples Results - FHFE and EET Areas
Former Ambassador Laundry
Emeryville, California

Sample ID	Depth (feet bgs)	Sample Date	PCB (mg/Kg)	Motor Oil (mg/kg)
ESL Soil <3M, Res-Non-DWS			**0.089**	**410**
Preliminary Remedial Goals			**0.22**	**NE**
EET	0 - 0.5	11/2/2007	ND	NA
FHFE	1.5	11/7/2007	ND	44.8
FHFE	5	11/2/2007	ND	<10

Acronyms

EET	Existing Electrical Transformer Area
FHFE	Former Hydraulic Freight Elevator
bgs:	below ground surface
ESL	Environmental Screening Levels- San Francisco Region Water Quality Control Board - November 2007
Res -Non-DWS	Residential Non Drinking Water Source (ESL Tables B)
mg/kg	milligrams per kilogram (parts per million)
ND	Not detected at the laboratory's reporting limit ranging from 0.1 mg/Kg to 0.2 mg/Kg
PCB	Polychlorinated Biphenyls
PRG	California Environmental Protection Agency Region IX Preliminary Remedial Goals (2004)

TABLE 1

Petroleum Hydrocarbons in Soil

Former Ambassador Laundry
Emeryville, California

Analytical Method:				EPA 8015B			
Analyte:				TPH Gasoline (mg/Kg)	TPH Stoddard Solvent (mg/Kg)	TPH Diesel (mg/Kg)	TPH Motor Oil (mg/Kg)
Location	Sample Depth (ft)	Sample ID	Sample Date	Result	Result	Result	Result
Boring K-A	16.5	K-A-16.5	02/16/2009	4.4	3.4	**280**	220
Boring K-A	21	K-A-21	02/16/2009	8.9	8.6	**420**	270
Boring K-A	23	K-A-23	02/16/2009	< 1.2	< 1.2	< 1.2	< 5.9
Boring K-A	39.5	K-A-39.5	02/16/2009	< 1.3	< 1.3	< 1.3	< 6.5
Boring K-B	18	K-B-18	02/17/2009	2.5	1.4	**220**	200
Boring K-B	22.5	K-B-22.5	02/17/2009	160 J	150 J	**1,600**	1,100
Boring K-B	38	K-B-38	02/17/2009	2.9	1.9	10	12
Boring K-C	18.5	K-C-18.5	03/30/2009	**870 J**	**630 J**	**2000 J**	1100 J
MW-4 (K-C)	20	MW-4-20	03/30/2009	5.9	5.7	29	8.5
Boring K-C	26	K-C-26	03/30/2009	< 1.2	< 1.2	6.1	6.3
Boring K-C	40	K-C-40	03/30/2009	< 1.3	< 1.3	4.3	6.7
Boring K-D	19.5	K-D-19.5	03/30/2009	13 J	10 J	64	38
Boring K-D	22.5	K-D-22.5	03/30/2009	4.8	3.8	130	62
Boring K-D	43	K-D-43	03/30/2009	< 1.3	< 1.3	< 1.3	< 6.5
MW-5	17	MW-5-17	03/31/2009	8.5 J	6.7 J	**380**	290
ESL TableS C & D			DWR	83	83	83	5,000
ESL TableS A & B			Non DWR	180	180	180	

Acronyms

DWR	Drinking Water Resource
ESL	Environmental Screening Levels- San Francisco Region Water Quality Control Board - May 2008
mg/Kg	milligrams per Kilogram
TPH	Total Petroleum Hydrocarbons
630	Exceeds ESL Tables C or D
	Exceeds ESL Tables A or B
UJ	Estimated nondetected result.

TABLE 2

Volatile Organic Compounds - Fuel Oxygenates in Soil

Former Ambassador Laundry
Emeryville, California

Analytical Method:				EPA 8260B											
Analyte:				Benzene (µg/Kg)	DIPE (µg/Kg)	EDB (µg/Kg)	EDC (µg/Kg)	Ethylbenzene (µg/Kg)	ETBE (µg/Kg)	MTBE (µg/Kg)	TAME (µg/Kg)	TBA (µg/Kg)	Toluene (µg/Kg)	m,p Xylene (µg/Kg)	o-Xylene (µg/Kg)
Location	Sample Depth (ft)	Sample ID	Sample Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Boring K-A	16.5	K-A-16.5	02/16/2009	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 140	< 6.8	< 6.8	< 6.8
Boring K-A	21	K-A-21	02/16/2009	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 660	< 33	< 33	< 33
Boring K-A	23	K-A-23	02/16/2009	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 110	< 5.3	< 5.3	< 5.3
Boring K-A	39.5	K-A-39.5	02/16/2009	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 130	< 6.4	< 6.4	< 6.4
Boring K-B	18	K-B-18	02/17/2009	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 120	< 6.0	< 6.0	< 6.0
Boring K-B	22.5	K-B-22.5	02/17/2009	< 640 UJ	< 640 UJ	< 640 UJ	< 640 UJ	< 640 UJ	< 640 UJ	< 640 UJ	< 640 UJ	< 13,000 UJ	< 640 UJ	< 640 UJ	< 640 UJ
Boring K-B	38	K-B-38	02/17/2009	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 130	< 6.4	< 6.4	< 6.4
Boring K-C	18.5	K-C-18.5	03/30/2009	< 1,600	< 1,600	< 1,600	< 1,600	< 1,600	< 1,600	< 1,600	< 1,600	< 32,000	< 1,600	< 1,600	< 1,600
MW-4 (K-C)	20	MW-4-20	03/30/2009	< 53	< 53	< 53	< 53	< 53	< 53	< 53	< 53	< 1100	< 53	< 53	< 53
Boring K-C	26	K-C-26	03/30/2009	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 120	< 5.9	< 5.9	< 5.9
Boring K-C	40	K-C-40	03/30/2009	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 120	< 5.9	< 5.9	< 5.9
Boring K-D	19.5	K-D-19.5	03/30/2009	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 120	< 6.2	< 6.2	< 6.2
Boring K-D	22.5	K-D-22.5	03/30/2009	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 120	< 6.2	< 6.2	< 6.2
Boring K-D	43	K-D-43	03/30/2009	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 120	< 6.0	< 6.0	< 6.0
MW-5	17	MW-5-17	03/31/2009	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 120	< 6.0	< 6.0	< 6.0
Non DWR	ESL Table	B	Shallow	120	NE	19	220	2,300	NE	8,400	NE	100,000	9,300	110,000	
		A	Deep	2,000		1,000	1,800	4,700				110,000			
DWR	ESL Table	D	Shallow	44	NE	0.3	4.5	2,300	NE	23	NE	75	2,900	2,300	
		C	Deep					3,300							

Acronyms

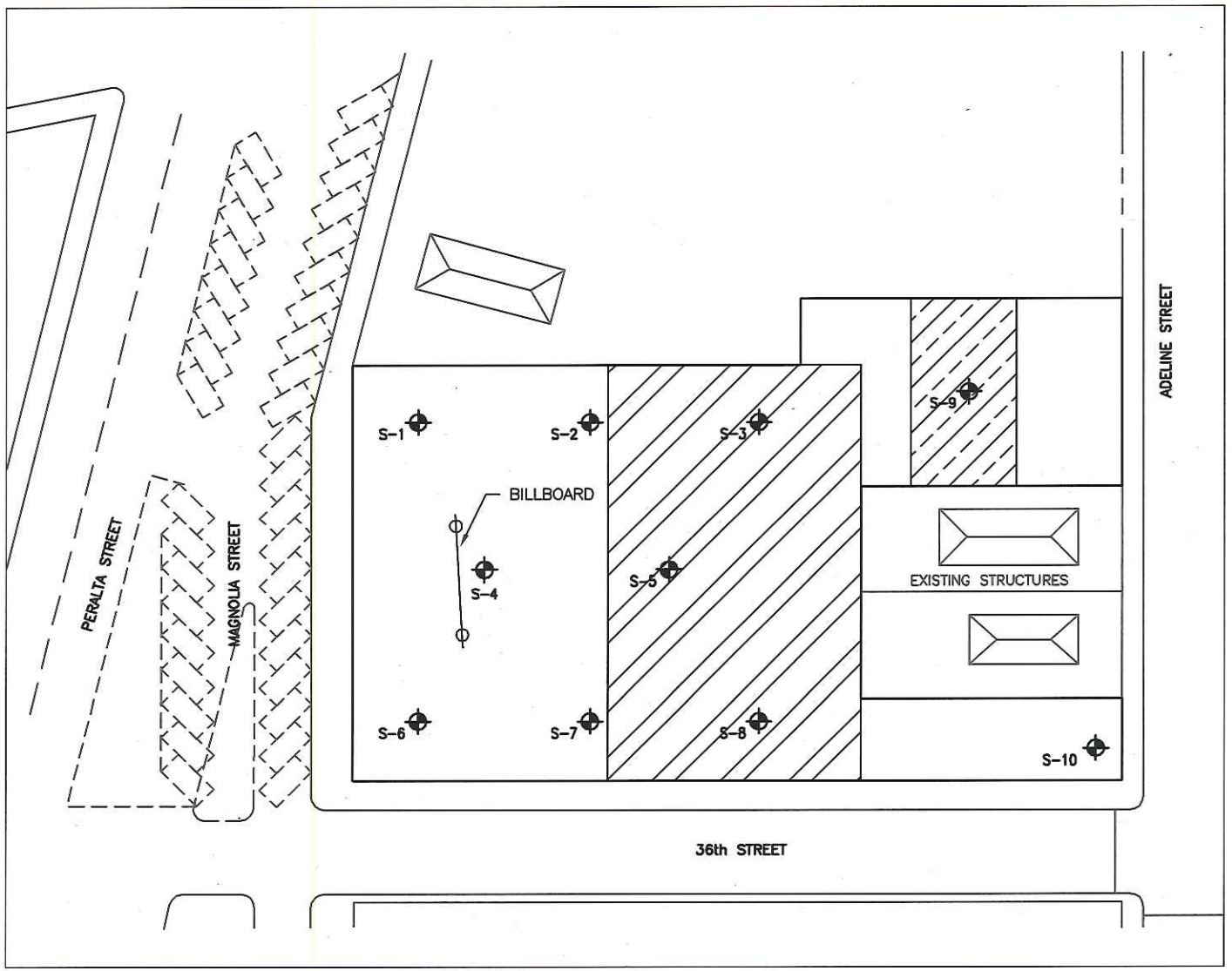
DIPE	Diisopropyl ether	TAME	t-amyl methyl ether
EDB	1,2-dibromoethane	TBA	2-methyl-2-propanol
EDC	1,2-dichloroethane	ESL	Environmental Screening Levels- San Francisco Region Water Quality Control Board - May 2008
ETBE	ethyl t-butyl ether	µg/Kg	micro gram per Kilogram
MTBE	methyl tert-butyl ether	DWR	Drinking Water Resource
	Potentially exceeds ESL Tables A or B	UJ	Estimated nondetected result.

Table 1
Summary of Soil Analytical Results
36th and Adeline Property, Emeryville, CA

Analytical Method	Analyte	Units	Sample ID, Depth (Feet), & Date										PRGs
			B-5 9-9.5' 5/1/03	B-6 7-7.5' 5/1/03	B-7 3.5-4' 5/1/03	B-7 7.5-8' 5/1/03	B-8 3.5-4' 5/1/03	B-8 7.5-8' 5/1/03	B-9 5-5.5' 5/1/03	B-9 7.5-8' 5/1/03	B-10 3.5-4' 5/1/03	B-10 7.5-8' 5/1/03	Res. Soil
Total Petroleum	TPH-G	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
Hydrocarbons	TPH-D	mg/Kg	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
(EPA 8015M)	TPH-MO	mg/Kg	<5.0	**8.3**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NE
Volatile Organic	Benzene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	650
Compounds	Toluene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	520
(EPA 8260B)	Ethylbenzene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	230,000
	Xylenes	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	210
	DIPE	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NE
	MTBE	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	17,000
Title 22 Metals (TTLC)	Antimony	mg/Kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	31
	Arsenic	mg/Kg	**3.0**	**4.1**	**2.6**	<2.5	**3.5**	**4.0**	**2.9**	**3.0**	**4.8**	**4.5**	22 Ca Mod
	Barium	mg/Kg	**98**	**120**	**110**	**60**	**110**	**130**	**39**	**140**	**160**	**110**	5,400
	Beryllium	mg/Kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	150
	Cadmium	mg/Kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	9.0 Ca Mod
	Chromium	mg/Kg	**29**	**25**	**27**	**21**	**21**	**27**	**22**	**29**	**25**	**32**	100000 CrIII
	Cobalt	mg/Kg	**15**	**7.2**	**4.7**	**6.8**	**4.9**	**11**	**6.7**	**7.1**	**26**	**12**	4,700
	Copper	mg/Kg	**16**	**100**	**14**	**10**	**11**	**16**	**8.6**	**15**	**11**	**16**	2,900
	Lead	mg/Kg	**11**	<3.0	**5.4**	**4.7**	<3.0	**6.7**	**5.4**	**6.3**	**9.1**	**7.8**	400
	Mercury	mg/Kg	<0.06	**0.16**	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0
	Molybdenum	mg/Kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	390
	Nickel	mg/Kg	**57**	**22**	**25**	**24**	**24**	**36**	**24**	**39**	**25**	**39**	150 Ca Mod
	Selenium	mg/Kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	390
	Silver	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	390
	Thallium	mg/Kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	5.2
	Vanadium	mg/Kg	**37**	**48**	**27**	**17**	**25**	**28**	**23**	**28**	**38**	**33**	550
	Zinc	mg/Kg	**39**	**56**	**29**	**32**	**21**	**42**	**24**	**41**	**27**	**47**	23,000

Notes:
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
<x = Analyte not detected at or above detection limit
-- = Not analyzed
PRGs = USEPA Region IX Preliminary Remedial G
NE = Not established

Clayton



SOURCE: Base Map provided by Resources for Community Development for our 2003 Geotechnical Report

LEGEND

S-2 APPROXIMATE LOCATION OF SURFACE SAMPLE

SITE BOUNDARY

PARK AREA

BELOW GRADE PARKING AREA

NORTH

0 60 120

FEET

SITE PLAN
Ambassador Housing
Emeryville, California

PLATE 2

Table 1
Summary of Analytical Data - Surficial Soil
Ambassador Housing
Emeryville, California

Analyte	Description	Sample ID										Environmental Screening Levels		
		Hardscaped Area	Hardscaped Area	Below Grade Parking	Hardscaped Area	Below Grade Parking	Hardscaped Area	Hardscaped Area	Below Grade Parking	Park Area	Hardscaped Area	CHHSLs Residential Land Use	ESLs Residential Land Use*	ESLs Construction Worker**
	Units	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10			
Date		2/10/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010			
Total Lead	mg/kg	**40**	**25**	**200**	**130**	**370**	**35**	**41**	**240**	**240**	**99**	80	200	750
Asbestos	% Asbestos	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE

Notes
mg/kg = milligrams per kilogram
ND = None Detected
NE = Not established
CHHSLs = Use of California Human Helath Screening Levels (CHHSLs) in Evaluation of Contaminated Properties, January 2005, Revised for Lead September 2009
ESLs = Environmental Screening Levels - RWQCB Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Interim Final - November 2007, Revised May 2008
* = Table A, Shallow Soils
** = Table K-3, Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario

LABORATORY RESULTS OF SOIL SAMPLE
EXCAVATION CONFIRMATION

	C1	C2	C3	C4	C5	C6	C7	ESL - Shallow soil where groundwater is potential drinking water -Resididential	ESL - Deeper soil (>3m bgs) where groundwater is potential drinking water -Residential
Total Petrole	*US EPA method 8015 (miligrams per kilogram, mg/kg)*								
TPHd	**1.3**	ND	**1.8**	**2**	nd	**360**	**6**	83	83
VOCs	*US EPA method 8260B (micrograms per kilogram, ug/kg)*								
Volatile Organic Compounds were not detected above method reporting limit.									

TABLE 1

LABORATORY RESULTS OF SOIL SAMPLE ANALYSES

UNDERGROUND STORAGE TANK REMOVAL

	9292 N (5"6")	9292 S (5'6")	9292 NSW (3'6")	9292 SSW (3'6")	S9292 ESW (3'6")	0202 WSW (3'6")	ESL - Shallow soil where groundwater is potential drinking water -Resididential	ESL - Shallow soil where groundwater is potential drining water - Commercial	Background Metal Concentrations in Alameda County Soil
Total Petroleum	*US EPA method 8015 (miligrams per kilogram, mg/kg)*								
TPHd	**599**	**57.8**	**725**	**1540**	**575**	**849**	83	83	
TPHmo	**692**	**73.8**	**897**	**1520**	**746**	**988**	370	2500	
Semi-Volatile Organic Compounds	*US EPA method 8270 (micrograms per kilogram, ug/kg)*								
Chrysene	nd	nd	**85.9**	**235**	nd	**75.5**	23000	23000	
Flourene	nd	nd	nd	**799**	nd	**244**	8900	8900	
1-methynaphthalene	nd	nd	nd	**380**	nd	nd	ne	ne	
Phenanathrene	nd	nd	nd	**841**	nd	nd	11000	11000	
Pyrene	nd	nd	nd	**190**	nd	nd	85000	85000	
VOCs	*US EPA method 8260B (micrograms per kilogram, ug/kg)*								
Acetone	nd	**74.2**	nd	nd	nd	nd	500	500	
a-Butylbenzene	nd	nd	ndn	nd	nd	**13.1**	ne	ne	
sec-Butlybenzene	nd	nd	nd	84	nd	**33.4**	ne	ne	
Isoproylbenzene	nd	nd	nd	**62.9**	nd	**22.8**	ne	ne	
Methylene Chloride	nd	nd	nd	nd	nd	**54.8**	7	7	
Methyl Ethyl Ketone	nd	nd	nd	nd	**173**	nd	3900	3900	
Naphthalene	nd	nd	nd	nd	nd	**9.9**	1300	2800	
a-Propylbenzene	nd	nd	nd	**57.6**	nd	**28.9**	ne	ne	
CAM 17 Heavy Metals	*US EPA method 6010 (miligrams per kilogram, mg/kg)*								
Antimony	nd	nd	nd	nd	nd	nd	6.3	40	3- 15
Arsenic	**4.3**	**3.5**	**7.1**	**2.9**	**3**	**3.2**	0.39	1.8	1.8 - 31
Barium	**142**	**88.1**	**170**	**144**	**161**	**172**	750	1500	not reported
Beryllium	nd	nd	nd	nd	nd	nd	4	8	0.25 - 1.1
Cadmium	nd	nd	nd	nd	nd	nd	1.7	7.4	0.1 - 3.3
Chromium	**38.7**	**34.2**	**41**	**33.3**	**35.5**	**35.6**	750	750	24.8 - 142.2
Cobalt	**6.2**	**7.2**	**17.7**	**7.8**	**7.3**	**7**	40	80	not reported
Copper	**14.2**	**17.3**	**22.6**	**14**	**18**	**14.3**	230	230	11.8 - 99.7
Lead	**8.4**	**7**	**8.6**	**6.2**	**5.3**	**6.9**	200	750	3.3 - 21.5
Mercury	nd	nd	**0.072**	**0.064**	nd	**0.051**	1.3	10	0.1 - 0.6
Molybdenum	nd	nd	nd	nd	nd	nd	40	40	not reported
Nickel	**38.8**	**41.9**	**87.9**	**38.8**	**32.4**	31	150	150	32.4 - 144.3
Selenium	nd	nd	nd	nd	nd	nd	10	10	0.5 - 7.0
Silver	md	nd	nd	nd	nd	nd	20	40	0.5 - 2.2
Thallium	nd	nd	nd	nd	nd	nd	1.3	16	0.5 - 42.5
Vanadium	**31**	**35.8**	**44.9**	**31.7**	**33.8**	**35.8**	16	200	not reported
Zinc	**36.8**	**40.9**	**46**	**33.7**	**39.6**	**35.1**	600	600	9.3 - 106.1
TRPH	Total Recoverable Petroleum Hydrocarbons								
VOCs	Volatile Organic Compounds								
na	data not available								
nd	not detected above method reporting limit								

UST Removal

Accutest Northern California,Inc.							Jun 13, 2012 20:22 pm
Job Number:	C22251						
Account:	Golden Gate Tank Removal						
Project:	1168 36th Street - Emeryville, CA						
Project Number:							
						Legend:	Hit
Client Sample ID:		9292ESW(3'6")	9292N(5'6")	9292NSW(3'6")	9292S(5'6")	9292SSW(3'6")	9292WSW(3'6")
Lab Sample ID:		C22251-5	C22251-1	C22251-3	C22251-2	C22251-4	C22251-6
Date Sampled:		06/11/2012	06/11/2012	06/11/2012	06/11/2012	06/11/2012	06/11/2012
Matrix:		Soil	Soil	Soil	Soil	Soil	Soil
GC/MS Volatiles (SW846 8260B)							
Acetone	ug/kg	ND (380)	ND (360)	ND (320)	74.2 J	ND (740)	105 J
Benzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Bromobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Bromochloromethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Bromodichloromethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Bromoform	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
n-Butylbenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	13.1 J
sec-Butylbenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	84.0 J	33.4
tert-Butylbenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Chlorobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Chloroethane	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Chloroform	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
o-Chlorotoluene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
p-Chlorotoluene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Carbon tetrachloride	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,1-Dichloroethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,1-Dichloroethylene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,1-Dichloropropene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,2-Dibromo-3-chloropropane	ug/kg	ND (53)	ND (50)	ND (44)	ND (7.5)	ND (100)	ND (6.1)
1,2-Dibromoethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,2-Dichloroethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,2-Dichloropropane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,3-Dichloropropane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Di-Isopropyl ether	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
2,2-Dichloropropane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Dibromochloromethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Dichlorodifluoromethane	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
cis-1,2-Dichloroethylene	ug/kg	ND (41)	ND (39)	ND (35)	ND (5.9)	ND (81)	ND (4.8)
cis-1,3-Dichloropropene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
m-Dichlorobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
o-Dichlorobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
p-Dichlorobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
trans-1,2-Dichloroethylene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
trans-1,3-Dichloropropene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Ethylbenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Ethyl tert-Butyl Ether	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
2-Hexanone	ug/kg	ND (75)	ND (72)	ND (63)	ND (11)	ND (150)	ND (8.8)
Hexachlorobutadiene	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Isopropylbenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	62.9 J	22.8

p-Isopropyltoluene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
4-Methyl-2-pentanone	ug/kg	ND (75)	ND (72)	ND (63)	ND (11)	ND (150)	ND (8.8)
Methyl bromide	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Methyl chloride	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Methylene bromide	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Methylene chloride	ug/kg	ND (190)	ND (180)	ND (160)	ND (27)	ND (370)	54.8 J
Methyl ethyl ketone	ug/kg	173 J	147 J	115 J	ND (11)	ND (150)	ND (8.8)
Methyl Tert Butyl Ether	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Naphthalene	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	9.9 J
n-Propylbenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	57.6 J	28.6
Styrene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Tert-Amyl Methyl Ether	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Tert Butyl Alcohol	ug/kg	ND (380)	ND (360)	ND (320)	ND (54)	ND (740)	ND (44)
1,1,1,2-Tetrachloroethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,1,1-Trichloroethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,1,2,2-Tetrachloroethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,1,2-Trichloroethane	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,2,3-Trichlorobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,2,3-Trichloropropane	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
1,2,4-Trichlorobenzene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
1,2,4-Trimethylbenzene	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
1,3,5-Trimethylbenzene	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Tetrachloroethylene	ug/kg	ND (23)	ND (21)	ND (19)	ND (3.2)	ND (44)	ND (2.6)
Toluene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Trichloroethylene	ug/kg	ND (19)	ND (18)	ND (16)	ND (2.7)	ND (37)	ND (2.2)
Trichlorofluoromethane	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Vinyl chloride	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
Xylene (total)	ug/kg	ND (38)	ND (36)	ND (32)	ND (5.4)	ND (74)	ND (4.4)
GC/MS Semi-volatiles (SW846 8270C)							
Benzoic acid	ug/kg	ND (630)	ND (790)	ND (320)	ND (160)	ND (790)	ND (320)
2-Chlorophenol	ug/kg	ND (280)	ND (350)	ND (140)	ND (71)	ND (350)	ND (140)
4-Chloro-3-methyl phenol	ug/kg	ND (290)	ND (360)	ND (140)	ND (71)	ND (360)	ND (140)
2,4-Dichlorophenol	ug/kg	ND (310)	ND (390)	ND (160)	ND (77)	ND (390)	ND (160)
2,4-Dimethylphenol	ug/kg	ND (260)	ND (320)	ND (130)	ND (65)	ND (320)	ND (130)
2,4-Dinitrophenol	ug/kg	ND (530)	ND (670)	ND (270)	ND (130)	ND (670)	ND (270)
4,6-Dinitro-o-cresol	ug/kg	ND (250)	ND (310)	ND (120)	ND (62)	ND (310)	ND (120)
2-Methylphenol	ug/kg	ND (350)	ND (440)	ND (180)	ND (88)	ND (440)	ND (180)
3&4-Methylphenol	ug/kg	ND (310)	ND (390)	ND (160)	ND (78)	ND (390)	ND (160)
2-Nitrophenol	ug/kg	ND (320)	ND (390)	ND (160)	ND (79)	ND (390)	ND (160)
4-Nitrophenol	ug/kg	ND (160)	ND (200)	ND (79)	ND (40)	ND (200)	ND (79)
Pentachlorophenol	ug/kg	ND (130)	ND (170)	ND (67)	ND (34)	ND (170)	ND (67)
Phenol	ug/kg	ND (280)	ND (340)	ND (140)	ND (69)	ND (340)	ND (140)
2,4,5-Trichlorophenol	ug/kg	ND (300)	ND (370)	ND (150)	ND (75)	ND (370)	ND (150)
2,4,6-Trichlorophenol	ug/kg	ND (280)	ND (350)	ND (140)	ND (70)	ND (350)	ND (140)
Acenaphthene	ug/kg	ND (290)	ND (360)	ND (150)	ND (73)	ND (360)	ND (150)
Acenaphthylene	ug/kg	ND (310)	ND (390)	ND (160)	ND (78)	ND (390)	ND (160)
Aniline	ug/kg	ND (180)	ND (220)	ND (89)	ND (44)	ND (220)	ND (89)
Anthracene	ug/kg	ND (210)	ND (270)	ND (110)	ND (54)	ND (270)	ND (110)
Azobenzene	ug/kg	ND (240)	ND (300)	ND (120)	ND (59)	ND (300)	ND (120)
Benzidine	ug/kg	ND (320)	ND (400)	ND (160)	ND (79)	ND (400)	ND (160)
Benzo(a)anthracene	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)
Benzo(a)pyrene	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)

Benzo(b)fluoranthene	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)
Benzo(g,h,i)perylene	ug/kg	ND (170)	ND (220)	ND (87)	ND (43)	ND (220)	ND (87)
Benzo(k)fluoranthene	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)
4-Bromophenyl phenyl ether	ug/kg	ND (270)	ND (330)	ND (130)	ND (67)	ND (330)	ND (130)
Butyl benzyl phthalate	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)
Benzyl Alcohol	ug/kg	ND (360)	ND (440)	ND (180)	ND (89)	ND (440)	ND (180)
2-Chloronaphthalene	ug/kg	ND (300)	ND (380)	ND (150)	ND (75)	ND (380)	ND (150)
4-Chloroaniline	ug/kg	ND (200)	ND (250)	ND (100)	ND (50)	ND (250)	ND (100)
Carbazole	ug/kg	ND (140)	ND (170)	ND (69)	ND (35)	ND (170)	ND (69)
Chrysene	ug/kg	ND (130)	ND (170)	85.9 J	ND (33)	235 J	75.5 J
bis(2-Chloroethoxy)methane	ug/kg	ND (300)	ND (370)	ND (150)	ND (74)	ND (370)	ND (150)
bis(2-Chloroethyl)ether	ug/kg	ND (270)	ND (330)	ND (130)	ND (66)	ND (330)	ND (130)
bis(2-Chloroisopropyl)ether	ug/kg	ND (270)	ND (330)	ND (130)	ND (67)	ND (330)	ND (130)
4-Chlorophenyl phenyl ether	ug/kg	ND (300)	ND (380)	ND (150)	ND (75)	ND (380)	ND (150)
1,2-Dichlorobenzene	ug/kg	ND (300)	ND (370)	ND (150)	ND (75)	ND (370)	ND (150)
1,3-Dichlorobenzene	ug/kg	ND (290)	ND (370)	ND (150)	ND (73)	ND (370)	ND (150)
1,4-Dichlorobenzene	ug/kg	ND (290)	ND (360)	ND (140)	ND (71)	ND (360)	ND (140)
2,4-Dinitrotoluene	ug/kg	ND (290)	ND (360)	ND (140)	ND (71)	ND (360)	ND (140)
2,6-Dinitrotoluene	ug/kg	ND (300)	ND (370)	ND (150)	ND (74)	ND (370)	ND (150)
3,3'-Dichlorobenzidine	ug/kg	ND (280)	ND (350)	ND (140)	ND (69)	ND (350)	ND (140)
Dibenzo(a,h)anthracene	ug/kg	ND (170)	ND (210)	ND (83)	ND (41)	ND (210)	ND (83)
Dibenzofuran	ug/kg	ND (290)	ND (360)	ND (150)	ND (73)	ND (360)	ND (150)
Diphenylamine	ug/kg	ND (260)	ND (330)	ND (130)	ND (65)	ND (330)	ND (130)
Di-n-butyl phthalate	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)
Di-n-octyl phthalate	ug/kg	ND (140)	ND (170)	ND (68)	ND (34)	ND (170)	ND (68)
Diethyl phthalate	ug/kg	ND (230)	ND (280)	ND (110)	ND (57)	ND (280)	ND (110)
Dimethyl phthalate	ug/kg	ND (280)	ND (350)	ND (140)	ND (69)	ND (350)	ND (140)
bis(2-Ethylhexyl)phthalate	ug/kg	ND (270)	ND (330)	ND (130)	ND (66)	ND (330)	ND (130)
Fluoranthene	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	ND (170)	ND (67)
Fluorene	ug/kg	ND (290)	ND (360)	ND (140)	ND (72)	799 J	244 J
Hexachlorobenzene	ug/kg	ND (280)	ND (350)	ND (140)	ND (70)	ND (350)	ND (140)
Hexachlorobutadiene	ug/kg	ND (380)	ND (480)	ND (190)	ND (96)	ND (480)	ND (190)
Hexachlorocyclopentadiene	ug/kg	ND (370)	ND (460)	ND (180)	ND (92)	ND (460)	ND (180)
Hexachloroethane	ug/kg	ND (280)	ND (350)	ND (140)	ND (70)	ND (350)	ND (140)
Indeno(1,2,3-cd)pyrene	ug/kg	ND (170)	ND (210)	ND (85)	ND (43)	ND (210)	ND (85)
Isophorone	ug/kg	ND (280)	ND (340)	ND (140)	ND (69)	ND (340)	ND (140)
1-Methylnaphthalene	ug/kg	ND (300)	ND (380)	ND (150)	ND (76)	380 J	ND (150)
2-Methylnaphthalene	ug/kg	ND (320)	ND (400)	ND (160)	ND (79)	ND (400)	ND (160)
2-Nitroaniline	ug/kg	ND (270)	ND (330)	ND (130)	ND (67)	ND (330)	ND (130)
3-Nitroaniline	ug/kg	ND (200)	ND (250)	ND (100)	ND (50)	ND (250)	ND (100)
4-Nitroaniline	ug/kg	ND (170)	ND (220)	ND (87)	ND (43)	ND (220)	ND (87)
Naphthalene	ug/kg	ND (310)	ND (380)	ND (150)	ND (77)	ND (380)	ND (150)
Nitrobenzene	ug/kg	ND (310)	ND (390)	ND (160)	ND (77)	ND (390)	ND (160)
N-Nitrosodimethylamine	ug/kg	ND (260)	ND (330)	ND (130)	ND (66)	ND (330)	ND (130)
N-Nitroso-di-n-propylamine	ug/kg	ND (290)	ND (360)	ND (140)	ND (72)	ND (360)	ND (140)
Phenanthrene	ug/kg	ND (230)	ND (290)	ND (120)	ND (58)	841	332
Pyrene	ug/kg	ND (130)	ND (170)	ND (67)	ND (33)	190 J	ND (67)
Pyridine	ug/kg	ND (180)	ND (230)	ND (91)	ND (46)	ND (230)	ND (91)
1,2,4-Trichlorobenzene	ug/kg	ND (300)	ND (370)	ND (150)	ND (75)	ND (370)	ND (150)
GC Semi-volatiles (SW846 8015B M)							
TPH (Diesel)	mg/kg	575 [a]	599 [a]	725 [a]	57.8 [a]	1540 [a]	849 [a]
TPH (Motor Oil)	mg/kg	746	692	897	73.8	1520	988

Metals Analysis							
Antimony	mg/kg	<1.8	<1.9	<1.7	<1.8	<1.9	<1.8
Arsenic	mg/kg	3.0	4.3	7.1	3.5	2.9	3.2
Barium	mg/kg	161	142	170	88.1	144	172
Beryllium	mg/kg	<0.88	<0.93	<0.87	<0.89	<0.93	<0.88
Cadmium	mg/kg	<0.88	<0.93	<0.87	<0.89	<0.93	<0.88
Chromium	mg/kg	35.5	38.7	41.0	34.2	33.3	35.6
Cobalt	mg/kg	7.3	6.2	17.7	7.2	7.8	7.0
Copper	mg/kg	18.0	14.3	22.6	17.3	14.0	14.3
Lead	mg/kg	5.3	8.4	8.6	7.0	6.2	6.9
Mercury	mg/kg	<0.039	<0.039	0.072	<0.18	0.064	0.051
Molybdenum	mg/kg	<7.2	<9.5	<8.5	<7.6	<7.6	<7.2
Nickel	mg/kg	32.4	38.8	87.9	41.9	38.8	31.6
Selenium	mg/kg	<1.8	<1.9	<1.7	<1.8	<1.9	<1.8
Silver	mg/kg	<0.88	<0.93	<0.87	<0.89	<0.93	<0.88
Thallium	mg/kg	<1.8	<1.9	<1.7	<1.8	<1.9	<1.8
Vanadium	mg/kg	33.8	31.0	44.9	35.8	31.7	35.8
Zinc	mg/kg	39.6	36.8	46.0	40.9	33.7	35.1
Footnotes:							
[a] Atypical Diesel pattern (C10-C28).							

LABORATORY RESULTS OF SOIL SAMPLE and GROUNDWATER ANALYSES

UST TANK OVER EXCAVATION

	N-4.5'	E-4.5'	W-5'	N-4'	BOT-13-7'N	BOT-13'-15'N	TTP-13 (WATER)	ESL - Shallow soil where groundwater is potential drinking water -Resididential	ESL - Deeper soil (>3m bgs) where groundwater is potential drinking water -Residential	Background Metal Concentrations in Alameda County Soil
SAMPLE LOCATION	South Wall at 4.5'	West Wall at 4.5'	East Wall at 5'	North Wall at 4'	Trench Bottom at 13' depth, 7' from south wall	Trench Bottom at 13' depth, 15' from south wall	Trench Bottom			
Total Petroleum	*US EPA method 8015 (miligrams per kilogram, mg/kg)*									
TPHd	**230**	**180**	**25**	**8.8**	**160**	**360**	na	83	83	
TPHmo	**170**	**460**	**51**	nd	**200**	**450**	na	370	5000	
Semi-Volatile Organic Compounds	*US EPA method 8270C (micrograms per kilogram, ug/kg)*									
Pyrene	*nd*	**0.36**	nd	nd	nd	nd	nd	85000	85000	
	Semi-Volatile Organic Compounds not reported in groundwater sample above method detection limits						nd			
VOCs	*US EPA method 8260B (micrograms per kilogram, ug/kg)*									
TPHg	nd	nd	nd	nd	nd	**300**	na	83000	83000	
LUFT 5 Metals	*US EPA method 6010 (miligrams per kilogram, mg/kg)*									
Cadmium	nd	nd	nd	nd	nd	nd	na	1.7	39	0.1 - 3.3
Chromium	**49**	**45**	**34**	**33**	**36**	**38**	na	750	2500	24.8 - 142.2
Lead	**7.3**	**90**	**6.8**	**7.6**	**8.4**	**5.4**	na	200	750	3.3 - 21.5
Nickel	**51**	**45**	**64**	**67**	**54**	**41**	na	150	260	32.4 - 144.3
Zinc	**51**	**130**	**45**	**53**	**49**	**46**	na	600	2500	9.3 - 106.1

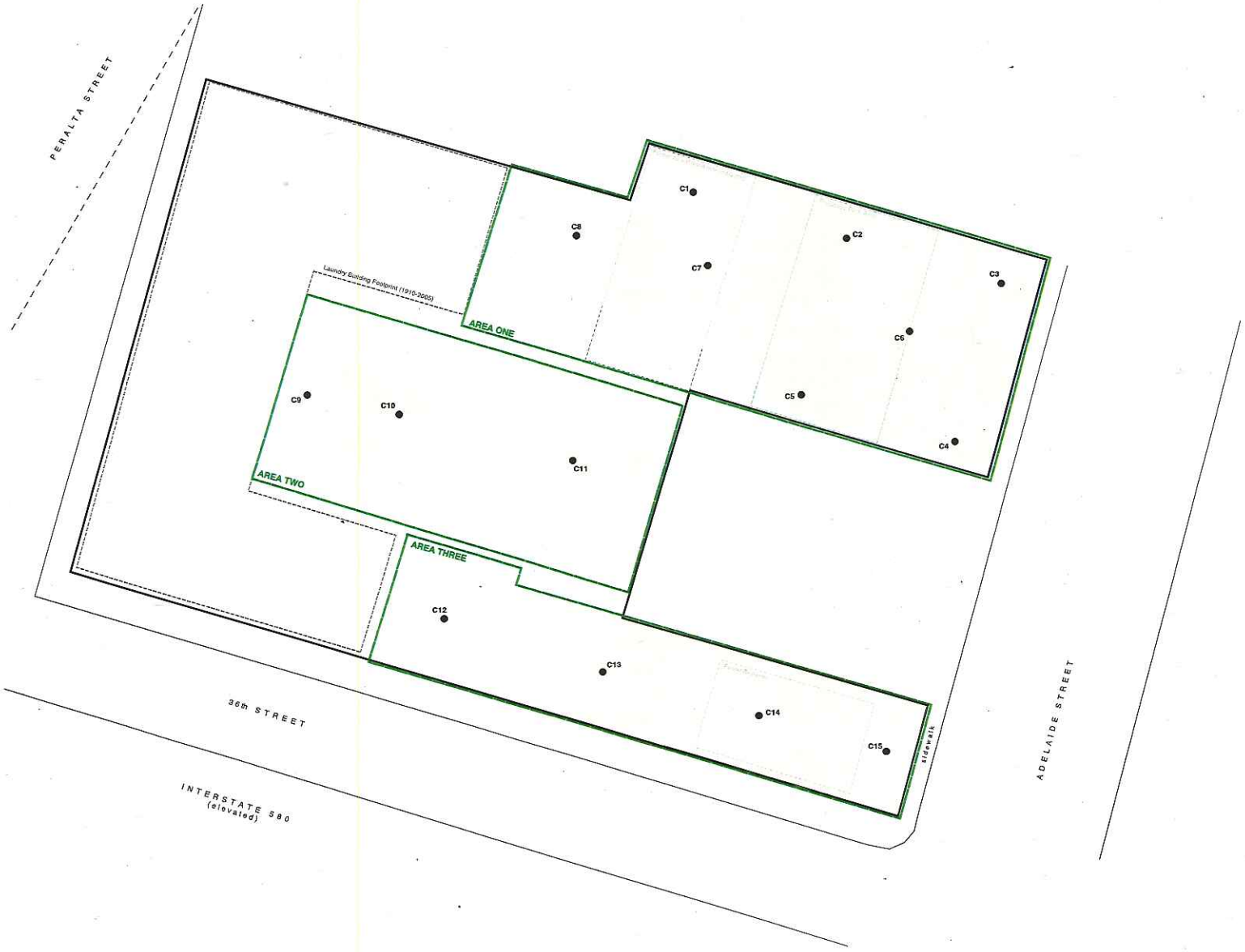
TPHd	Total Petroleum Hydrocarbons as diesel
TPHmo	Total Petrleum Hydrocarbons as motor oil
TPHg	Total Petroleum Hydrocarbons as gasoline
SVOCs	Semi-Volatile Organic Compounds
VOCs	Volatile Organic Compounds
PCBs	Polychlorinated Biphynels
na	data not available
nd	not detected above method reporting limit

It should be noted that each sample was collected from a location that had been excavated from the original grade. The area of sampling was about 4.5 feet below original surface.

LABORATORY RESULTS OF SOIL SAMPLE ANALYSES

EXTRACTION WELL 2 (EW-2)

	EW-2-6	EW-2-11	EW-2-16	EW-2-22	EW-2-26	EW-2-31	EW-2-31	EW-2-36	ESL - Shallow soil (<3m) where groundwater is potential drinking water -Resididential	ESL - Deep (>3m) soil where groundwater is potential drining water - Residential	Background Metal Concentrations in Alameda County Soil
Total Petroleum	*US EPA method 8015 (miligrams per kilogram, mg/kg)*										
TPHd	**250**	**280**	nd	nd	nd	nd	**2.3**	**7.1**	83	83	
TPHmo	nd	**170**	nd	nd	nd	nd	nd	nd	370	5000	
Semi-Volatile Organic Compounds	*US EPA method 8270 (micrograms per kilogram, ug/kg)*										
	SVOCs were not detected above the method detection limits										
VOCs	*US EPA method 8260B (micrograms per kilogram, ug/kg)*										
sec-Butlybenzene	**5.3**	nd	nd	nd	nd	nd	nd	nd	ne	ne	
TPHg	**2900**	**1400**	nd	nd	nd	nd	nd	nd	83000	83000	
CAM 17 Heavy Metals	*US EPA method 6010 (miligrams per kilogram, mg/kg)*										
Antimony	nd	nd	nd	nd	nd	nd	nd	nd	6.3	310	3- 15
Arsenic	nd	**5.9**	**5.7**	**7.6**	nd	**10**	nd	**7.8**	0.39	15	1.8 - 31
Barium	**270**	**140**	**110**	**300**	**140**	**150**	**130**	**210**	750	2500	not reported
Beryllium	**0.63**	**0.59**	**0.4**	**0.68**	**0.52**	**0.39**	**0.42**	**0.56**	4	98	0.25 - 1.1
Cadmium	nd	nd	nd	nd	nd	nd	nd	0.49	1.7	39	0.1 - 3.3
Chromium	**41**	**35**	**51**	**33**	**28**	**35**	**43**	**71**	750	2500	24.8 - 142.2
Cobalt	**14**	**5.9**	**17**	**24**	**3.6**	**8.9**	**5.4**	**13**	40	94	not reported
Copper	**17**	**25**	**20**	**27**	**16**	**24**	**32**	**34**	230	2500	11.8 - 99.7
Lead	**5.7**	**8.4**	**6.1**	**7.6**	**5.1**	**7.3**	**7.7**	**8.9**	200	750	3.3 - 21.5
Mercury	0.067	0.056	**0.06**	**0.069**	**0.08**	**0.15**	**0.077**	**0.086**	1.3	58	0.1 - 0.6
Molybdenum	nd	nd	nd	nd	nd	nd	nd	nd	40	2500	not reported
Nickel	**92**	**42**	**53**	**67**	**42**	**43**	**51**	**82**	150	260	32.4 - 144.3
Selenium	nd	nd	nd	nd	nd	nd	nd	nd	10	2500	0.5 - 7.0
Silver	md	nd	nd	nd	nd	nd	nd	nd	20	2500	0.5 - 2.2
Thallium	nd	nd	nd	nd	nd	nd	nd	nd	1.3	62	0.5 - 42.5
Vanadium	**25**	**39**	**39**	**36**	**23**	**30**	**32**	**45**	16	770	not reported
Zinc	**45**	**52**	**46**	**53**	**39**	**59**	**58**	**88**	600	2500	9.3 - 106.1
TPHd	Total Petroleum Hydrocarbons as diesel										
TPHmo	Total Petroleum Hydrocarbons as motor oil										
TPHg	Total Petroleum Hydrocarbons as gasoline										
SVOCs	Semi-Volatile Organic Compounds										
VOCs	Volatile Organic Compounds										
na	data not available										
nd	not detected above method reporting limit										



Approximate Excavated Area

Led

Confirmation Soil Sample Laboratory Analysis

milligrams per kilogram (mg/kg)

C1	0.2
C2	5.9
C3	8
C4	7.3
C5	11
C6	11
C7	0.1
C8	5.9
C9	not analyzed
C10	4.8
C11	5.3
C12	12
C13	5.5
C14	6.1
C15	8.6

N

0 10 20 30 40 50

feet

Ambassador
1100-39th Street
Emeryville, California
Project A12044

CONFIRMATION SOIL SAMPLE LOCATION MAP

FIGURE 2

Future Park Area

Footprint of Ambassador Laundry

TP-3 Soil Sample Location (Fugro West)
330 Lead (mg/kg) - Surface Sample

B16 Soil Boring Location (Adanta)
Lead (mg/kg)
S-252 Surface
1 - 28 One Foot
2 - nd Two Feet
3 - nd Three Feet
below ground surface
numbers represent XRF readings

0 10 20 30 40
feet

N

Ambassador
1168 56th Street
Emeryville, California
Project A1084-2

LEAD IN SOIL DATA MAP

FIGURE 1

XRF LEAD ANALYSIS
Ambassador/Emerville, CA
(mg/kg) - December 1 2, 2011

	S	1	2	3	Latitude - W	Longitude - N
B1	369	nd<41	nd<19	nd<60	37°49.668'	122°16.791'
B2	189	nd<16	nd<20	nd<21	37°49.668'	122°16.796
B3	120	nd<18	nd<24	nd<20	37°49.667'	122°16.794'
B4	192	`nd<20	nd<21	nd<21	37°49.665'	122°16.797'
B5	147	19	nd<21	nd<21	37°49.665'	122°16.792'
B6	298	nd<38	nd<21	nd<19	37°49.662'	122°16.794'
B7	175	70	nd<30	nd<14	37°49.661'	122°16.799'
B8	474	nd<20	30	nd<19	37°49.660'	122°16.792'
B9	215	nd<20	nd<28	nd<14	37°49.668'	122°16.813'
B10	232	28	nd<16	nd<24	37°49.667'	122°16.809
B11	89	48	nd<12	nd<18	37°49.665'	122°16.807'
B12	43	nd<14	nd<18	nd<18	37°49.664'	122°16.809'
B13	55	nd<18	nd<22	nd<21	37°49.666'	122°16.811'
B14	161	nd<13	nd<21	nd<24	37°49.662'	122°16.825'
B15	17	15	nd<14	nd<12	37°49.662'	122°16.819'
B16	34	nd<15	nd<20	nd<21	37°49.659'	122°16.823'
B17	nd<14	nd<22	nd<18	nd<12	37°49.661'	122°16.815'
B18	104	nd<47	nd<26	nd<20	37°49.658'	122°16.810'
B19	76	nd<24	nd<16	nd<14	37°49.657'	122°16.816'
B20	138	nd<14	nd<16	nd<22	37°49.659'	122°16.818'
B21	111	nd<16	nd<13	nd<13	37°49.658'	122°16.825'
B22	127	30	29	nd<25	37°49.652'	122°16.822'
B23	nd<13	nd<20	nd<25	nd<14	37°49.652'	122°16.818'

XRF LEAD ANALYSIS
Ambassador/Emerville, CA
(mg/kg) - December 1 2, 2011

	S	1	2	3	Latitude -W	Longitude -N
B24	99	nd<18	nd<20	nd<14	37°49.649'	122°16.821'
B25	417	35	nd<13	nd<16	37°49.644'	122°16.792'
B26	69	nd<40	nd<25	nd<20	37°49.642'	122°16.792'
B27	179	nd<21	nd<30	nd<27	37°49.644'	122°16.796'
B28	172	142	170	nd<23	37°49.643'	122°16.798'
B29	109	137	131	55	37°49.645'	122°16.798'
B30	78	71	nd<24	nd<21	37°49.647'	122°16.806'
B31	187	115	163	101	37°49.646'	122°16.802'
B32	131	366	nd<42	nd<27	37°49.644'	122°16.807'
B33	96	nd<51	nd<23	nd<21	37°49.648'	122°16.812'
B34	153	nd<29	nd<44	nd<20	37°49.646'	122°16.809'
B35						
B36	116	36	38	nd<37	37°49.658'	122°16.828'
B37	71	nd<21	nd<14	nd<22	37°49.660'	122°16.826'
B38	nd<27	nd<22	nd<20	nd<18	37°49.661'	122°16.827'
B39	69	nd<33	nd<20	nd<14	37°49.661'	122°16.830'
B40	346	508	nd<40	nd<19	37°49.660'	122°16.787'
B41	98	48	nd<27	nd<27	37°49.665'	122°16.785'
B42	209	26	nd<22	nd<25	37°49.663'	122°16.786'
B43	113	nd<44	nd<48	nd<48	37°49.671'	122°16.803'
B44	157	nd<50	16	nd<29	37°49.670'	122°16.79'
B45	129	nd<33	nd<26	nd<24	37°49.668'	122°16.801'

TABLE 2

RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES

mg/kg

	LEAD (6010) 1000 (TTLC)	**LEAD (STLC)** 5 (STLC)	**TPHd** 83 (ESL)	**TPHmo** 83 (ESL)
B1-S	--	**27.7**	--	--
B6-S	419	--	--	--
B8-S	--	**28.3**	--	--
B10-S	328	--	--	--
B14-1.5	--	--	nd	nd
B14-3.5	--	--	nd	nd
B15-1.5	--	--	nd	nd
B15-3.5	--	--	2.6	12
B16-1.5	--	--	10.9	34
B16-3.5	--	--	4.3	8.6
B17-1.5	--	--	nd	nd
B17-3.5	--	--	nd	nd
B18-1.5	--	--	nd	nd
B18-3.5	--	--	nd	nd
B19-1.5	--	--	nd	nd
B19-3.5	--	--	nd	nd
B25-S	--	**15.5**	--	--
B28-2	--	**5.54**	--	--
B29-1	218	--	--	--
B29-2	--	4.6	--	--
B30-1	143	--	--	--
B31-5	226	--	--	--
B32-1	287	**18.2**	--	--
B40-1	675	**41.5**	--	--

EXPLANATION

C6
TPHd 560 mg/kg

Confirmation Soil Sample, with concentration of total petroleum hydrocarbons as diesel in milligrams per kilogram

N

0 10 20 30 40
feet

Ambassador
1160 36th Street
Emeryville, California
Project A1086-11

CONTAMINATION SOURCES AND CONFIRMATION SOIL SAMPLES

FIGURE 2

TABLE 1

Lead

Confirmation Soil Sample
Laboratory Analysis
milligrams per kilogram (mg/kg)

C1	6.2
C2	5.9
C3	8
C4	7.3
C5	11
C6	11
C7	6.1
C8	5.9
C9	not analyzed
C10	4.8
C11	5.3
C12	12
C13	5.5
C14	6.1
C15	8.6

ATTACHMENT 5

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Date	Petroleum Hydrocarbons EPA 8015M				Volatile Organics EPA 8020				PAH's
		TPH-g (mg/L)	TPH-d (mg/L)	TPH-o (mg/L)	TPH-k (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	(µg/L)
EW-1	12/21/95	--	4.0	ND	ND	0.7	9.2	0.8	3.8	--
	3/8/96	1.0	2.8	0.6	1.0	ND	7.2	0.6	2.4	ND
B-1	12/6/95	--	15[a]	ND	--	13	ND	28	ND	--
B-3	12/6/95	--	0.28[a]	ND	--	ND	ND	ND	1.5	--
B-4	12/6/95	--	ND	ND	--	ND	ND	ND	ND	--
B-5	12/6/95	--	0.49[a]	ND	--	0.9	0.6	4.8	20	--
B-6	12/6/95	--	2.3[a]	ND	--	28	20	65	11	--

EXPLANATION

ft bgs	feet below ground surface.		
mg/L	milligrams per liter -- parts per million.		
µg/L	micrograms per liter -- parts per billion.		
--	not tested.		
ND	target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.		
TPH	total petroleum hydrocarbons quantified as noted below.		
d	= quantified as diesel	g	= quantified as gasoline
o	= quantified as bunker oil oil	k	= quantified as kerosene
PAH's	polynuclear aromatic hydrocarbons		

NOTES

The above samples (excluding EW-1) are grab samples and were not sampled from monitoring wells.

No groundwater was recoverable from B-2.

[a] The positive result appears to be a lighter hydrocarbon than diesel.

Table 7-6

Petroleum Hydrocarbons and Organic Volatiles Reported in Groundwater

Former Ambassador Laundry Site

Emeryville, California

	Sample ID	Date	TPH-g (mg/L)	TPH-d (mg/L)	TPH-mo (mg/L)	Stoddard Solvent (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	2-Methyl naphthalene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)
	ESL, Res-Non-DWS		**5.0**	**2.5**	**2.5**	**5.0**	**540**	**400**	**300**	**5300**	**1800**	**100**	**210**	**50,000**
FORMER INVESTIGATION	EW-1	12/6/1995	NA	4.0	< 0.5	NA	0.7	9.2	0.8	3.8	NA	NA	NA	NA
		3/8/1996	NA	2.8	0.6	1.0	<0.5	7.2	0.6	2.4	NA	NA	NA	NA
	KB-1	12/6/1995	NA	15	< 5	NA	13	<0.5	28	<0.5	NA	NA	NA	NA
	KB-2	12/6/1995	NA	1.50	< 5	NA	13	<5	28	<5	NA	NA	NA	NA
	KB-3	12/6/1995	NA	0.28	< 0.5	NA	<0.5	<0.5	<0.5	1.5	NA	NA	NA	NA
	KB-4	12/6/1995	NA	<0.05	< 0.5	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	KB-5	12/6/1995	NA	0.49	< 0.5	NA	0.9	0.6	4.8	20	NA	NA	NA	NA
	KB-6	12/6/1995	NA	2.30	< 0.5	NA	28	20	65	11	NA	NA	NA	NA
2007 SUBSURFACE INVESTIGATION	KB-7	12/21/2007	5.7 J	<2.50	< 5	<2.5	<5.50	<5.50	<5.50	<16.5	<5.50	<22.7	<22.7	<22.7
	KB-8	12/21/2007	<0.2 UJ	22.1 J	53.7 J	<2.38	<0.50	<1.76	<0.500	<1.50	2.46	<11.8	<11.8	<11.8
	KB-9B	12/21/2007	10 J	<0.111	< 0.2	0.930 J	395	573	604	420	<11.0	<11.8	42.6	<11.8
	KB-9	12/21/2007	7.9 J	<0.111	< 0.2	0.433 J	398	598	560	407	1.1	<13.5	42.3	<13.5
	KB-10	12/21/2007	<0.16 UJ	<0.122	< 0.2	<0.122	<0.500	<1.85	<0.500	<1.50	2.01	<10.9	<10.9	<10.9
	KB-11	12/21/2007	<0.050 UJ	<0.104	< 0.2	<0.104	<0.500	<1.26	<0.500	<1.50	2.05	<10.8	<10.8	<10.8

Acronyms

ESL	Environmental Screening Levels- San Francisco Region Water Quality Control Board - November 2007
Res -Non-DWS	Residential Non Drinking Water Source (ESLTable D)
µg/L	micrograms per liter (parts per billion)
MTBE:	Methyl tert Butyl Ether
NA	not analyzed
mg/L	milligrams per liter (parts per million)
TPH-d:	Total Petroleum Hydrocarbons as diesel
TPH-g:	Total Petroleum Hydrocarbons as gasoline
TPH-mo:	Total Petroleum Hydrocarbons as motor oil

Notes:

boring KB-12 deemed dry upon completion

<1.0 - Not detected at or above the laboratory reporting limit shown.

J Reported result is an estimated value.

UJ Reported result is an estimated nondetected value.

Shadings are reported concentration detected above the applicable standard(s) or guidance value(s)

Table 7-7

Metal Concentrations Reported in Groundwater

Former Ambassador Laundry

Emeryville, California

Sample ID	Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (elemental) (mg/L)	Molybdenium (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
ESL, Res-Non-DWS		50	50	50	50	50	50	50	50	50	50	50	50	50	50
KB-8	12/21/2007	<0.010	0.0064	0.46	<0.0050	<0.0050	<0.0050	<0.0050	<0.015	<0.00020	0.031	<0.010	0.015	0.019	0.024
KB-9B	12/21/2007	<0.010	0.011 J	0.23	<0.0050	<0.0050	<0.0050	<0.0050	<0.015	<0.00026	0.025	<0.010	0.016	0.017	<0.0050
KB-9	12/21/2007	<0.010	0.0064 J	0.22	<0.0050	<0.0050	<0.0050	<0.0050	<0.015	<0.00021	0.026	<0.010	0.019	0.017	0.0075
KB-10	12/21/2007	<0.010	0.0086	0.23	<0.0050	<0.0050	<0.0050	<0.0050	<0.015	<0.00029	0.026	<0.010	0.013	0.016	<0.0050
KB-11	12/21/2007	<0.010	<0.0050	0.2	<0.0050	<0.0050	0.0054	<0.0050	<0.015	<0.00029	0.013	0.017	0.012	0.017	0.045

Acronyms

ESL Environmental Screening Levels- San Francisco Region Water Quality Control Board - November 2007

Res -Non-DWS Residential Non Drinking Water Source (ESL Table D)

mg/L milligrams per liter (parts per million)

Notes:

<1.0 Not detected at or above the laboratory reporting limit shown.

J Reported result is an estimated value

Table 2
Summary of Groundwater Analytical Results
36th Street and Adeline Street, Emeryville, CA

			Sample ID & Date								
Category	Chemical	Units	B-3W 5/2/03	B-4W 5/1/03	B-5W 5/1/03	B-6W 5/1/03	B-7W 5/1/03	B-8W 5/1/03	B-9W 5/1/03	B-10W 5/1/03	RBSLs Table 1-2
Total Petroleum Hydrocarbons (EPA 8015M)	TPH-G	ug/L	<50	**130**	<50	<50	**2,200**	<50	**380**	--	5,000
	TPH-D	ug/L	<1.0	**610**	**140**	**4,700**	**3,400***	<1.0	**320***	--	5,000
	TPH-MO	ug/L	<5.0	**590**	<5.0	**4,500**	**370**	<5.0	<5.0	--	5,000
Volatile Organic Compounds (EPA 8260B)	Benzene	ug/L	<0.5	**0.55**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20,000
	Toluene	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	400
	Ethylbenzene	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	300
	Xylenes	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5,300
	DIPE	ug/L	<0.5	**8.7**	**1.4**	<0.5	<0.5	<0.5	**1.7**	<0.5	NE
	MTBE	ug/L	<0.5	**1.9**	**3.3**	<0.5	<0.5	**0.53**	**8.6**	**0.50**	1,800
	n-Butyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**20**	<0.5	**0.76**	<0.5	NE
	tert-Butyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	<0.5	<0.5	NE
	cis-1,2-Dichloroethene	ug/L	<0.5	<0.5	**0.82**	<0.5	<0.5	<0.5	<0.5	<0.5	50,000
	sec-Butyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	**0.56**	<0.5	NE
	Isopropylbenzene	ug/L	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	<0.5	<0.5	NE
	n-Propyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**18**	<0.5	<0.5	<0.5	NE
	Trichloroethene	ug/L	<0.5	<0.5	**0.93**	<0.5	<0.5	<0.5	<0.5	<0.5	50,000

Notes:
ug/L = micrograms per liter
<x = Analyte not detected at or above detection limit of x.
* = TPH results in range of Stoddard Solvent
-- = Not analyzed
RBSLs = Risk-Based Screening Levels, Table 1-2 for groundwater not a current or potential source of drinking water
NE = Not established

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Table 2

Total Petroleum Hydrocarbons, BTEX, and Fuel Oxygenates Concentrations in Groundwater

Former Ambassador Laundry,
City of Emeryville, California

	Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	ESL DWR	ESL Non DWR
Benzene (µg/L)	4/17/2009	< 0.5	4.9	< 0.5	< 0.5	< 0.5	< 0.5	1	46
	7/15-17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
	10/26/2009	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29		
Toluene (µg/L)	4/17/2009	< 0.5	1.4	< 0.5	< 0.5	< 0.5	< 0.5	40	130
	7/15-17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
	10/26/2009	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27		
Ethylbenzene (µg/L)	4/17/2009	< 0.5	2.5	< 0.5	< 0.5	< 0.5	< 0.5	30	43
	7/15-17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
	10/26/2009	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22		
Xylenes (µg/L)	4/17/2009	< 1.0	2.5	< 1.0	< 1.0	< 1.0	< 1.0	20	100
	7/15-17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
	10/26/2009	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33		
EDB (µg/L)	4/17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NE	NE
	7/15-17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.64		
	10/26/2009	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27		
MTBE (µg/L)	4/17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	5.0	1,800
	7/15-17/2009	< 0.5	2.6	3.3	2.6	3.6	2.1		
	10/26/2009	< 0.6	2.5	3.1	2.4	3.4	1.9		
DIPE (µg/L)	4/17/2009	8.9	26	28	14	9.2	7	NE	NE
	7/15-17/2009	4.2	24	27	12	18	5.2		
	10/26/2009	7.4	21	27	9.5	16	4.1		
TPH-g (µg/L)	4/17/2009	< 50	**310**	< 50	200	< 50	170	100	210
	7/15-17/2009	< 50	< 50	< 50	69	< 50	94		
	10/26/2009	< 40	56	60	78	44	83		
TPH-SS (µg/L)	4/17/2009	< 50	< 50	< 50	58	< 50	< 50	100	210
	7/15-17/2009	NA	NA	NA	NA	NA	NA		
	10/26/2009	NA	NA	NA	NA	NA	NA		
TPH-d (µg/L)	4/17/2009	< 50	95	< 50	120	< 50	79	100	210
	7/15-17/2009	< 50	< 50	< 50	< 50	< 50	58 *		
	10/26/2009	< 33	< 33	< 33	< 33	< 33	36		

Acronyme and Notes

ESL	Environmental Screening Levels- SFRWQCB- May 2008		
SFRWQCB	San Francisco Regional Water Quality Control Board		
µg/L	micrograms per Liter	DWR	Drinking Water Resource
EDB	ethylene dibromide	DIPE	Diisopropyl ether
MTBE	Methyl tert Butyl Ether		
TPH-d	Total Petroleum Hydrocarbons as diesel		
TPH-g	Total Petroleum Hydrocarbons as gasoline		
TPH-SS	Total Petroleum Hydrocarbons as Stoddard Solvent		
NA	Not Analyzed	NE	not established
310	Exceeds ESL	58 *	gasoline range compounds are significant
J3	Associated batch quality control was outside the established quality control range for precision		

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Table 1

Groundwater Elevation and Final Purge Characteristics in Groundwater
Former Ambassador Laundry
Emeryville, California

Well ID	Top of Casing Elevation (NAD 83)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Gallons Purged	Final pH	Final Specific Conductivity (µmhos/cm)	Final Temperature (degrees C)
MW-1	31.3	3/30/2009	9.45	21.85	15.0	6.78	525	18.03
		7/17/2009	10.26	21.04	5.0	7.96	465	18.68
		10/26/2009	15.80	15.50	4.0	6.95	590	21.33
		11/26/2009	9.94	21.36	--	--	--	--
MW-2	31.13	3/30/2009	9.41	21.72	15.0	6.65	686	18.43
		7/17/2009	10.26	20.87	5.0	7.76	910	18.31
		10/26/2009	15.81	15.32	5.0	6.60	930	19.67
		11/26/2009	9.88	21.25				
MW-3	31.26	3/30/2009	10.25	21.01	15.0	6.66	712	18.40
		7/15/2009	10.95	20.31	6.0	7.74	946	17.90
		10/26/2009	9.80	21.46	5.0	6.58	1,000	19.23
		11/26/2009	10.68	20.58	--	--	--	--
MW-4	31.15	3/30/2009	9.98	21.17	15.0	6.83	720	18.33
		7/15/2009	10.60	20.55	4.0	7.74	881	18.03
		10/26/2009	9.33	21.82	5.5	6.76	930	19.89
		11/26/2009	10.30	20.85	--	--	--	--
MW-5	31.45	3/30/2009	9.96	21.49	13.0	6.69	724	18.53
		7/15/2009	11.40	20.05	5.5	7.78	971	18.13
		10/26/2009	10.31	21.14	4.5	6.49	1,000	19.71
		11/26/2009	11.15	20.30	--	--	--	--
MW-6	30.91	3/30/2009	9.60	21.31	15.0	6.89	809	18.77
		7/15/2009	10.30	20.61	5.5	8.07	1111	18.62
		10/26/2009	9.07	21.84	6.0	6.73	1,200	20.04
		11/26/2009	9.97	20.94	--	--	--	--

Acronyms:

a	Exceeds equipment limits
C	Celsius
µmhos/cm	microsiemens per centimeter

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Table 3

Field and Biodegradation Parameters in Groundwater

Former Ambassador Laundry,
City of Emeryville, California

Parameter	Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Final DO (mg/L)	4/17/2009	0.94	0.47	0.09	0.15	0.3	2.13
	7/15-17/2009	0.48	0.12	0.09	0.19	0.34	0.40
	10/26/2009	9.95	0.13	0.1	1.01	0.65	0.63
ORP (mEV)	4/17/2009	209.8	70.7	105.2	117.9	129.5	115.6
	7/15-17/2009	106	109.3	100.8	98.3	87.2	159.2
	10/26/2009	158.3	-5.7	-293	-41.8	27.1	42.3
Conductivity (µmhos/cm)	4/17/2009	710	1,000	1,100	1,000	1,100	1,200
	7/15-17/2009	597	955	1,020	947	1,030	1,180
	10/26/2009	590	930	1,000	930	1,000	1,200
TDS (mg/L)	4/17/2009	490	600	630	600	650	700
	7/15-17/2009	346	544	650	571	631	717
	10/26/2009	370	560	610	570	590	740
Sulfate (mg/L)	4/17/2009	78	76	79	81	91	110
	7/15-17/2009	69	76	85	85	82	100
	10/26/2009	71	78	83	84	84	120
Ammonia (mg/L)	4/17/2009	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	7/15-17/2009	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	10/26/2009	0.044J	< 0.1	< 0.1	< 0.1	< 0.1	0.089J
Nitrate (mg/L)	4/17/2009	68 J	20 J	24 J	22 J	18 J	10 J
	7/15-17/2009	59	26	28	28	23	9.4
	10/26/2009	14	6.6	6.5	6.3	5.8	1.9
Ferrous (µg/L)	4/17/2009	< 0.05	0.1	< 0.05	< 0.05	< 0.05	0.096
	7/15-17/2009	< 0.05	0.087	< 0.05	< 0.05	< 0.05	< 0.05
	10/26/2009	28 J	43 J	40 J	< 50	< 50	480
Phosphate (mg/L)	4/17/2009	0.65	0.06	0.063	0.07	0.054	0.16
	7/15-17/2009	0.41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	10/26/2009	0.13	0.06 J	0.11	0.13	0.063 J	0.22
Methane (µg/L)	4/17/2009	< 0.1	2.4	0.59	3.2	< 0.1	2.4
	7/15-17/2009	< 0.4	3.5	3.2	31	3.5	55
	10/26/2009	< 10	< 10	< 10	53	< 10	47

Acronyme and Notes

DO	Dissolved Oxygen
µg/L	micrograms per Liter
mg/L	milligrams per Liter
µmhos/cm	micromhos per centimeter
TDS	Total Dissolved Solids
ORP	Oxydation Reduction Potential
J	Estimated value below the lowest calibration point.

LABORATORY RESULTS OF SLUGDE AND GROUNDWATER ANALYSES

1910 WATER WELL

	S1 (sludge/ free product)	W1	W2	ESL - groundwater - is a current or potential source of drinking water	
US EPA method 8015 (miligrams per kilogram, mg/kg)					
TPHd (C10-C28)	**280000**	**4800**	na	100	
TPHk (C9-C19)	**140000**	na	na	100	
TPHmo (C24-C36)	**270000**	**4800**	na	100	
TPHss (C9-C13)	**21000**	na	na	100	
				100	
General Chemistry					
Oil and Grease	na	na	**18,000**	ne	
Semi-Volatile Organic Compounds	*US EPA method 8270C (micrograms per kilogram, ug/kg)*				
	Semi-Volatile Organic Compounds not reported in groundwater sample above method detection limits				
VOCs	*US EPA method 8260B (micrograms per kilogram, ug/kg)*				
Trimethylbenzene	*na*	na	**5.2**	ne	
Naphthalene	*na*	na	**24**	17	
TPHg (C5-C12)	na	na	**2300**	100	
					Background Metal Concentrations in Alameda County Soil
LUFT 5 Metals	*US EPA method 6010 (miligrams*				
Cadmium	na	na	**0.0041**	1.7	0.1 - 3.3
Chromium	na	na	**0.057**	ne	24.8 - 142.2
Lead	na	na	**0.037**	200	3.3 - 21.5
Nickel	na	na	**0.094**	150	32.4 - 144.3
Zinc	na	na	**1.7**	600	9.3 - 106.1

TPHd	Total Petroleum Hydrocarbons as diesel
TPHmo	Total Petrleum Hydrocarbons as motor oil
TPHg	Total Petroleum Hydrocarbons as gasoline
SVOCs	Semi-Volatile Organic Compounds
VOCs	Volatile Organic Compounds
PCBs	Polychlorinated Biphynels
ne	not established
na	not analyzed
nd	not detected above method reporting limit

TABLE A-1
LABORATORY GROUNDWATER ANALYTICAL RESULTS
EW-2
micrograms per liter (µg/L)

	MtBE	Trichloroethene	TPHd	TPHmo
EW1-1 Surface Sample	**0.66**	**1.5**	**55**	nd
EW1-2 Mid-Screen Sample	**0.67**	**2.9**	**84**	**100**
ESL (2013)	5	5	100	100

Other analytes not detected above reporting limit
Groundwater samples analyzed using US EPA method 8260b for VOCs and Naphthalene and 8015b for TPHd and TPHmo
nd = not detected above reporting limt
ESL = Environmental Screening Leve (2013)

Refer to Laboratory Analytical Report, Appenidx A-2
Well Sampled September 5, 2013

WSP Consulting Engineers, P.C. 2025 Gateway Place, Suite 435 San Jose, CA 95110 408-453-6100 www.wspenvironmental.com/usa	Figure 1 SITE DIAGRAM 1169 36TH STREET OAKLAND, CA	AMBASSADOR PROJECT OAKLAND, CALIFORNIA PREPARED FOR SEGUE CONSTRUCTION, INC. PLEASANTON, CALIFORNIA	

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
DEWATERING WELL
1169 36TH STREET
OAKLAND, CA

Date Sampled	Method	Analyte	Result	Reporting Limit	Units
5/4/2012	E218.6	Hexachrome	0.66	0.2	µg/L
	E300.1	Chloride	46	0.1	mg/L
	8260B	n-Propyl benzene	ND	0.5	µg/L
	8260B	1,1,1,2-Tetrachloroethane	ND	0.5	µg/L
	8260B	1,1,1-Trichloroethane	ND	0.5	µg/L
	8260B	1,1,2,2-Tetrachloroethane	ND	0.5	µg/L
	8260B	1,1,2-Trichloroethane	ND	0.5	µg/L
	8260B	1,1-Dichloroethane	ND	0.5	µg/L
	8260B	1,1-Dichloroethene	ND	0.5	µg/L
	8260B	1,1-Dichloropropene	ND	0.5	µg/L
	8260B	1,2,3-Trichlorobenzene	ND	0.5	µg/L
	8260B	1,2,3-Trichloropropane	ND	0.5	µg/L
	8260B	1,2,4-Trichlorobenzene	ND	0.5	µg/L
	8260B	1,2,4-Trimethylbenzene	ND	0.5	µg/L
	8260B	1,2-Dibromo-3-chloropropane	ND	0.2	µg/L
	8260B	1,2-Dibromoethane (EDB)	ND	0.5	µg/L
	8260B	1,2-Dichlorobenzene	ND	0.5	µg/L
	8260B	1,2-Dichloroethane (1,2-DCA)	ND	0.5	µg/L
	8260B	1,2-Dichloropropane	ND	0.5	µg/L
	8260B	1,3,5-Trimethylbenzene	ND	0.5	µg/L
	8260B	1,3-Dichlorobenzene	ND	0.5	µg/L
	8260B	1,3-Dichloropropane	ND	0.5	µg/L
	8260B	1,4-Dichlorobenzene	ND	0.5	µg/L
	8260B	2,2-Dichloropropane	ND	0.5	µg/L
	8260B	2-Butanone (MEK)	3.8	2	µg/L
	8260B	2-Chlorotoluene	ND	0.5	µg/L
	8260B	2-Hexanone	ND	0.5	µg/L
	8260B	4-Chlorotoluene	ND	0.5	µg/L
	8260B	4-Isopropyl toluene	ND	0.5	µg/L
	8260B	4-Methyl-2-pentanone (MIBK)	ND	0.5	µg/L
	8260B	Acetone	ND	10	µg/L
	8260B	Benzene	ND	0.5	µg/L
	8260B	Bromobenzene	ND	0.5	µg/L
	8260B	Bromochloromethane	ND	0.5	µg/L
	8260B	Bromodichloromethane	ND	0.5	µg/L
	8260B	Bromoform	ND	0.5	µg/L
	8260B	Bromomethane	ND	0.5	µg/L
	8260B	Carbon Disulfide	ND	0.5	µg/L
	8260B	Carbon Tetrachloride	ND	0.5	µg/L
	8260B	Chlorobenzene	ND	0.5	µg/L
	8260B	Chloroethane	ND	0.5	µg/L
	8260B	Chloroform	ND	0.5	µg/L
	8260B	Chloromethane	ND	0.5	µg/L
	8260B	cis-1,2-Dichloroethene	ND	0.5	µg/L
	8260B	cis-1,3-Dichloropropene	ND	0.5	µg/L
	8260B	Dibromochloromethane	ND	0.5	µg/L
	8260B	Dibromomethane	ND	0.5	µg/L
	8260B	Dichlorodifluoromethane	ND	0.5	µg/L
	8260B	Diisopropyl ether (DIPE)	0.51	0.5	µg/L

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
DEWATERING WELL
1169 36TH STREET
OAKLAND, CA

Date Sampled	Method	Analyte	Result	Reporting Limit	Units
	8260B	Ethyl tert-butyl ether (ETBE)	ND	0.5	µg/L
	8260B	Ethylbenzene	ND	0.5	µg/L
	8260B	Freon 113	ND	10	µg/L
	8260B	Hexachlorobutadiene	ND	0.5	µg/L
	8260B	Hexachloroethane	ND	0.5	µg/L
	8260B	Isopropylbenzene	ND	0.5	µg/L
	8260B	Methylene chloride	ND	0.5	µg/L
	8260B	Methyl-t-butyl ether (MTBE)	0.8	0.5	µg/L
	8260B	Naphthalene	ND	0.5	µg/L
	8260B	n-Butyl benzene	ND	0.5	µg/L
	8260B	sec-Butyl benzene	ND	0.5	µg/L
	8260B	Styrene	ND	0.5	µg/L
	8260B	t-Butyl alcohol (TBA)	ND	0.5	µg/L
	8260B	tert-Amyl methyl ether (TAME)	ND	0.5	µg/L
	8260B	tert-Butyl benzene	ND	2	µg/L
	8260B	Tetrachloroethene	ND	0.5	µg/L
	8260B	Toluene	ND	0.5	µg/L
	8260B	trans-1,2-Dichloroethene	ND	0.5	µg/L
	8260B	trans-1,3-Dichloropropene	ND	0.5	µg/L
	8260B	Trichloroethene	2.2	0.5	µg/L
	8260B	Trichlorofluoromethane	ND	0.5	µg/L
	8260B	Vinyl Chloride	ND	0.5	µg/L
	8260B	Xylenes, Total	ND	0.5	µg/L
	SW8270C-SIM	1-Methylnaphthalene	ND	0.5	µg/L
	SW8270C-SIM	2-Methylnaphthalene	ND	0.5	µg/L
	SW8270C-SIM	Acenaphthene	ND	0.5	µg/L
	SW8270C-SIM	Acenaphthylene	ND	0.5	µg/L
	SW8270C-SIM	Anthracene	ND	0.5	µg/L
	SW8270C-SIM	Benzo (a) anthracene	ND	0.5	µg/L
	SW8270C-SIM	Benzo (a) pyrene	ND	0.5	µg/L
	SW8270C-SIM	Benzo (b) fluoranthene	ND	0.5	µg/L
	SW8270C-SIM	Benzo (g,h,i) perylene	ND	0.5	µg/L
	SW8270C-SIM	Benzo (k) fluoranthene	ND	0.5	µg/L
	SW8270C-SIM	Chrysene	ND	0.5	µg/L
	SW8270C-SIM	Dibenzo (a,h) anthracene	ND	0.5	µg/L
	SW8270C-SIM	Fluoranthene	ND	0.5	µg/L
	SW8270C-SIM	Fluorene	ND	0.5	µg/L
	SW8270C-SIM	Indeno (1,2,3-cd) pyrene	ND	0.5	µg/L
	SW8270C-SIM	Naphthalene	ND	0.5	µg/L
	SW8270C-SIM	Phenanthrene	ND	0.5	µg/L
	SW8270C-SIM	Pyrene	ND	0.5	µg/L
	SW8270C	1,1-Biphenyl	ND	2	µg/L
	SW8270C	1,2,4-Trichlorobenzene	ND	2	µg/L
	SW8270C	1,2-Dichlorobenzene	ND	2	µg/L
	SW8270C	1,2-Diphenylhydrazine	ND	2	µg/L
	SW8270C	1,3-Dichlorobenzene	ND	2	µg/L
	SW8270C	1,4-Dichlorobenzene	ND	2	µg/L
	SW8270C	2,4,5-Trichlorophenol	ND	2	µg/L
	SW8270C	2,4,6-Trichlorophenol	ND	2	µg/L

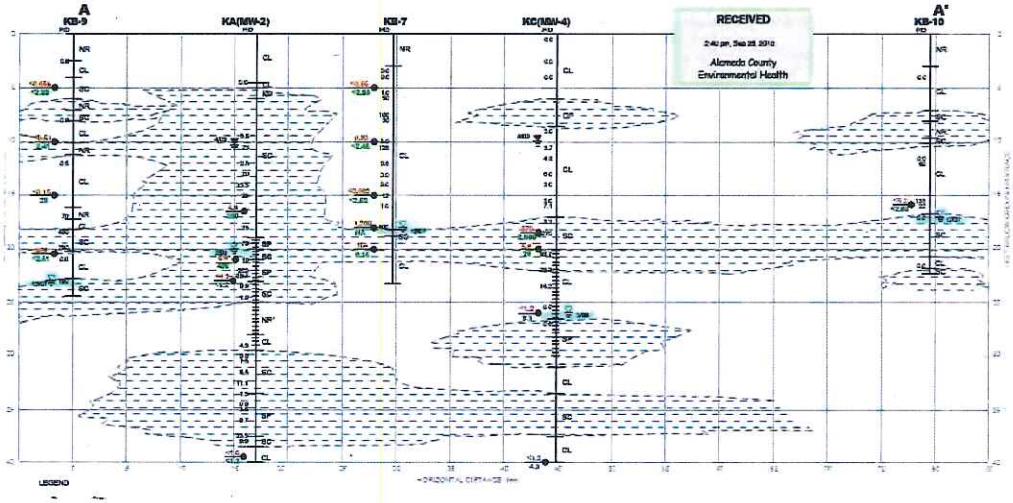
TABLE 1
SUMMARY OF ANALYTICAL RESULTS
DEWATERING WELL
1169 36TH STREET
OAKLAND, CA

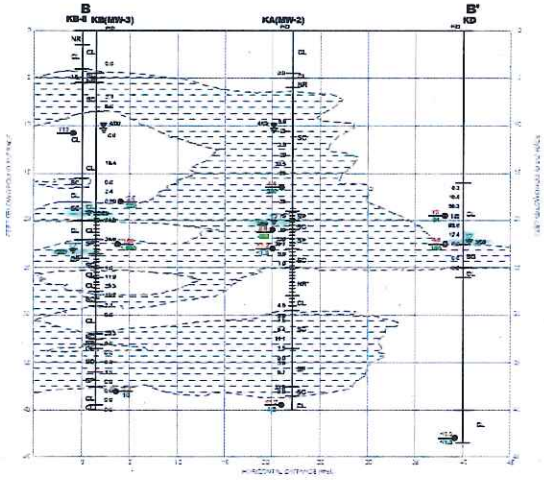
Date Sampled	Method	Analyte	Result	Reporting Limit	Units
	SW8270C	2,4-Dichlorophenol	ND	2	µg/L
	SW8270C	2,4-Dimethylphenol	ND	2	µg/L
	SW8270C	2,4-Dinitrophenol	ND	25	µg/L
	SW8270C	2,4-Dinitrotoluene	ND	2	µg/L
	SW8270C	2,6-Dinitrotoluene	ND	2	µg/L
	SW8270C	2-Chloronaphthalene	ND	2	µg/L
	SW8270C	2-Chlorophenol	ND	2	µg/L
	SW8270C	2-Methylnaphthalene	ND	2	µg/L
	SW8270C	2-Methylphenol (o-Cresol)	ND	2	µg/L
	SW8270C	2-Nitroaniline	ND	10	µg/L
	SW8270C	2-Nitrophenol	ND	2	µg/L
	SW8270C	3 &/or 4-Methylphenol (m,p-Cresol)	ND	2	µg/L
	SW8270C	3,3-Dichlorobenzidine	ND	4.1	µg/L
	SW8270C	3-Nitroaniline	ND	10	µg/L
	SW8270C	4,6-Dinitro-2-methylphenol	ND	10	µg/L
	SW8270C	4-Bromophenyl Phenyl Ether	ND	10	µg/L
	SW8270C	4-Chloro-3-methylphenol	ND	2	µg/L
	SW8270C	4-Chloroaniline	ND	4.1	µg/L
	SW8270C	4-Chlorophenyl Phenyl Ether	ND	10	µg/L
	SW8270C	4-Nitroaniline	ND	10	µg/L
	SW8270C	4-Nitrophenol	ND	10	µg/L
	SW8270C	Acenaphthene	ND	2	µg/L
	SW8270C	Acenaphthylene	ND	2	µg/L
	SW8270C	Acetochlor	ND	2	µg/L
	SW8270C	Anthracene	ND	10	µg/L
	SW8270C	Benzidine	ND	10	µg/L
	SW8270C	Benzo (a) anthracene	ND	2	µg/L
	SW8270C	Benzo (a) pyrene	ND	2	µg/L
	SW8270C	Benzo (b) fluoranthene	ND	2	µg/L
	SW8270C	Benzo (g,h,i) perylene	ND	2	µg/L
	SW8270C	Benzo (k) fluoranthene	ND	2	µg/L
	SW8270C	Benzoic Acid	ND	25	µg/L
	SW8270C	Benzyl Alcohol	ND	10	µg/L
	SW8270C	Bis (2-chloroethoxy) Methane	ND	10	µg/L
	SW8270C	Bis (2-chloroethyl) Ether	ND	10	µg/L
	SW8270C	Bis (2-chloroisopropyl) Ether	ND	2	µg/L
	SW8270C	Bis (2-ethylhexyl) Adipate	ND	10	µg/L
	SW8270C	Bis (2-ethylhexyl) Phthalate	ND	4	µg/L
	SW8270C	Butylbenzyl Phthalate	ND	2	µg/L
	SW8270C	Chrysene	ND	2	µg/L
	SW8270C	Dibenzo (a,h) anthracene	ND	2	µg/L
	SW8270C	Dibenzofuran	ND	2	µg/L
	SW8270C	Diethyl Phthalate	ND	2	µg/L
	SW8270C	Dimethyl Phthalate	ND	2	µg/L
	SW8270C	Di-n-butyl Phthalate	ND	2	µg/L
	SW8270C	Di-n-octyl Phthalate	ND	2	µg/L
	SW8270C	Fluoranthene	ND	2	µg/L
	SW8270C	Fluorene	ND	2	µg/L
	SW8270C	Hexachlorobenzene	ND	2	µg/L

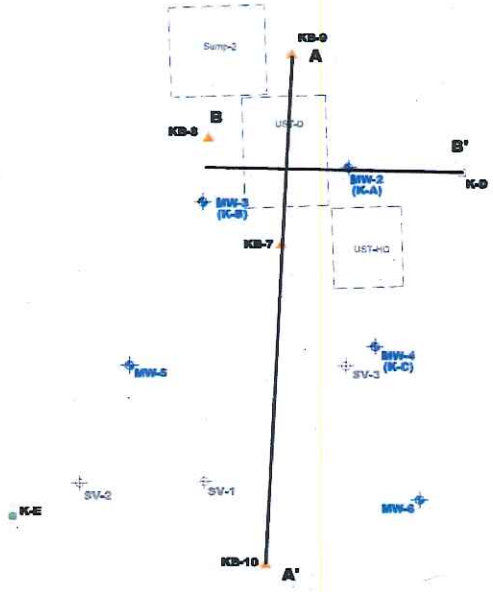
TABLE 1
SUMMARY OF ANALYTICAL RESULTS
DEWATERING WELL
1169 36TH STREET
OAKLAND, CA

Date Sampled	Method	Analyte	Result	Reporting Limit	Units
	SW8270C	Hexachlorobutadiene	ND	2	µg/L
	SW8270C	Hexachlorocyclopentadiene	ND	10	µg/L
	SW8270C	Hexachloroethane	ND	2	µg/L
	SW8270C	Indeno (1,2,3-cd) pyrene	ND	2	µg/L
	SW8270C	Isophorone	ND	2	µg/L
	SW8270C	Naphthalene	ND	2	µg/L
	SW8270C	Nitrobenzene	ND	2	µg/L
	SW8270C	N-Nitrosodi-n-propylamine	ND	2	µg/L
	SW8270C	N-Nitrosodiphenylamine	ND	2	µg/L
	SW8270C	Pentachlorophenol	ND	10	µg/L
	SW8270C	Phenanthrene	ND	2	µg/L
	SW8270C	Phenol	ND	2	µg/L
	SW8270C	Pyrene	ND	2	µg/L
	SW8270C	Pyridine	ND	10	µg/L
	Kelada-01	Cyanide, Total	ND	1	µg/L
	SW8260B	TPH-gasoline	ND	50	µg/L
	SM2340B & 200.7	Hardness Total	260	1	mg as CaCO3/L
	E1631	Mercury	ND	0.5	ng/L
	E200.8 Dissolved	Antimony	ND	0.5	µg/L
	E200.8 Dissolved	Arsenic	ND	0.5	µg/L
	E200.8 Dissolved	Beryllium	ND	0.5	µg/L
	E200.8 Dissolved	Cadmium	ND	0.25	µg/L
	E200.8 Dissolved	Chromium	ND	0.5	µg/L
	E200.8 Dissolved	Copper	ND	0.5	µg/L
	E200.8 Dissolved	Lead	ND	0.5	µg/L
	E200.8 Dissolved	Mercury	ND	0.025	µg/L
	E200.8 Dissolved	Nickel	ND	0.5	µg/L
	E200.8 Dissolved	Selenium	ND	0.5	µg/L
	E200.8 Dissolved	Silver	ND	0.19	µg/L
	E200.8 Dissolved	Thallium	ND	0.5	µg/L
	E200.8 Dissolved	Zinc	35	5	µg/L
	E200.8 Total	Antimony	ND	0.5	µg/L
	E200.8 Total	Arsenic	1	0.5	µg/L
	E200.8 Total	Beryllium	ND	0.5	µg/L
	E200.8 Total	Cadmium	ND	0.25	µg/L
	E200.8 Total	Chromium	9.7	0.5	µg/L
	E200.8 Total	Copper	4	0.5	µg/L
	E200.8 Total	Lead	2.1	0.5	µg/L
	E200.8 Total	Mercury	0.032	0.025	µg/L
	E200.8 Total	Nickel	15	0.5	µg/L
	E200.8 Total	Selenium	ND	0.5	µg/L
	E200.8 Total	Silver	ND	0.19	µg/L
	E200.8 Total	Thallium	ND	0.5	µg/L
	E200.8 Total	Zinc	76	5	µg/L
	SM2520B	Salinity	367	10	mg/L
	SM2540C	Total Dissolved Solids	602	10	mg/L
	SW8015B	TPH-Diesel	ND	50	µg/L
	SW8015B	TPH-Motor Oil	ND	250	µg/L
	SM2540B	Total Solids	608	10	mg/L

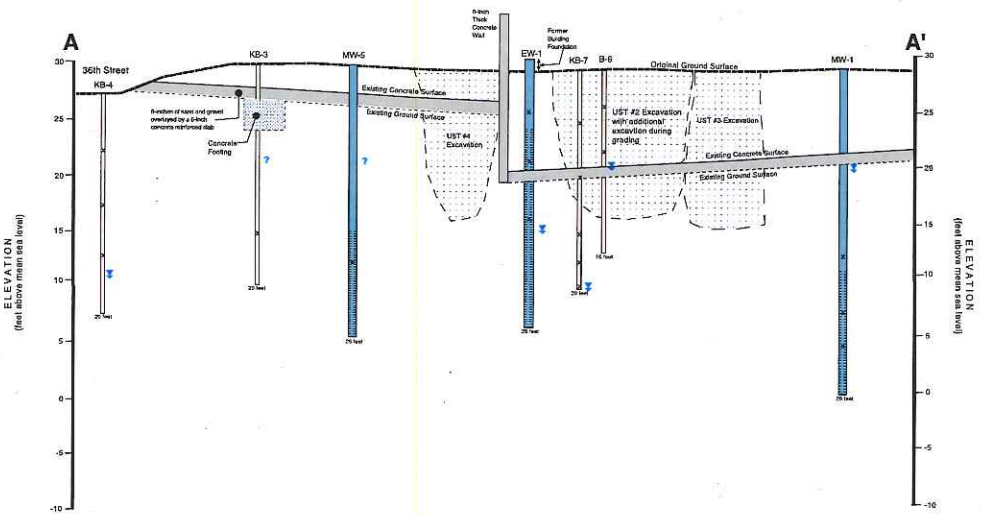
ATTACHMENT 6

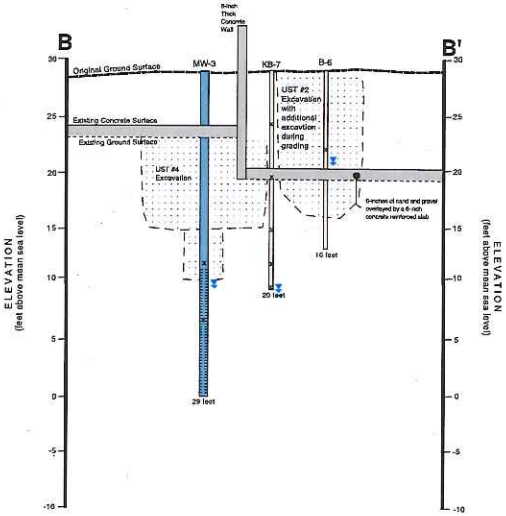


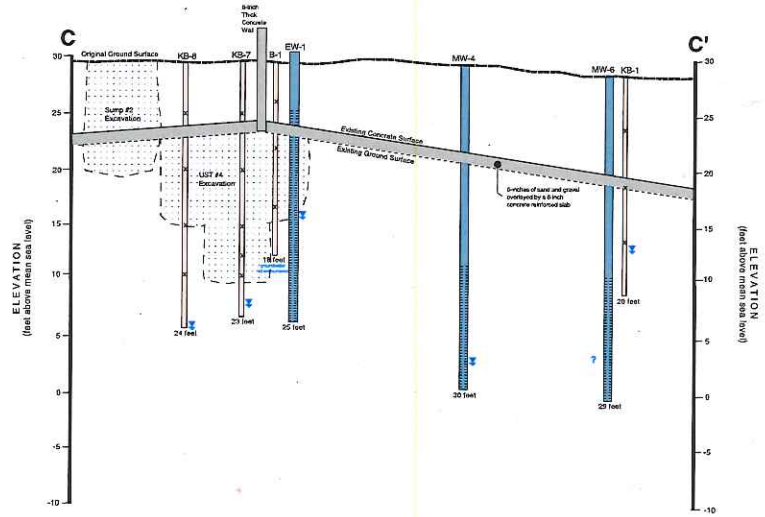


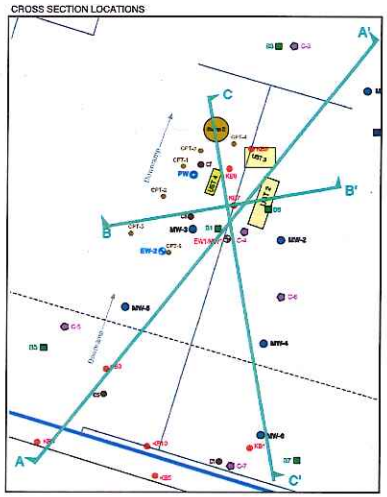


Adanta	The Ambassador Site Conceptual Model 1168 36th Street Emeryville, California Adanta Project A1085-8	FIGURE 5
	KLEINFELDER CROSS SECTIONS	







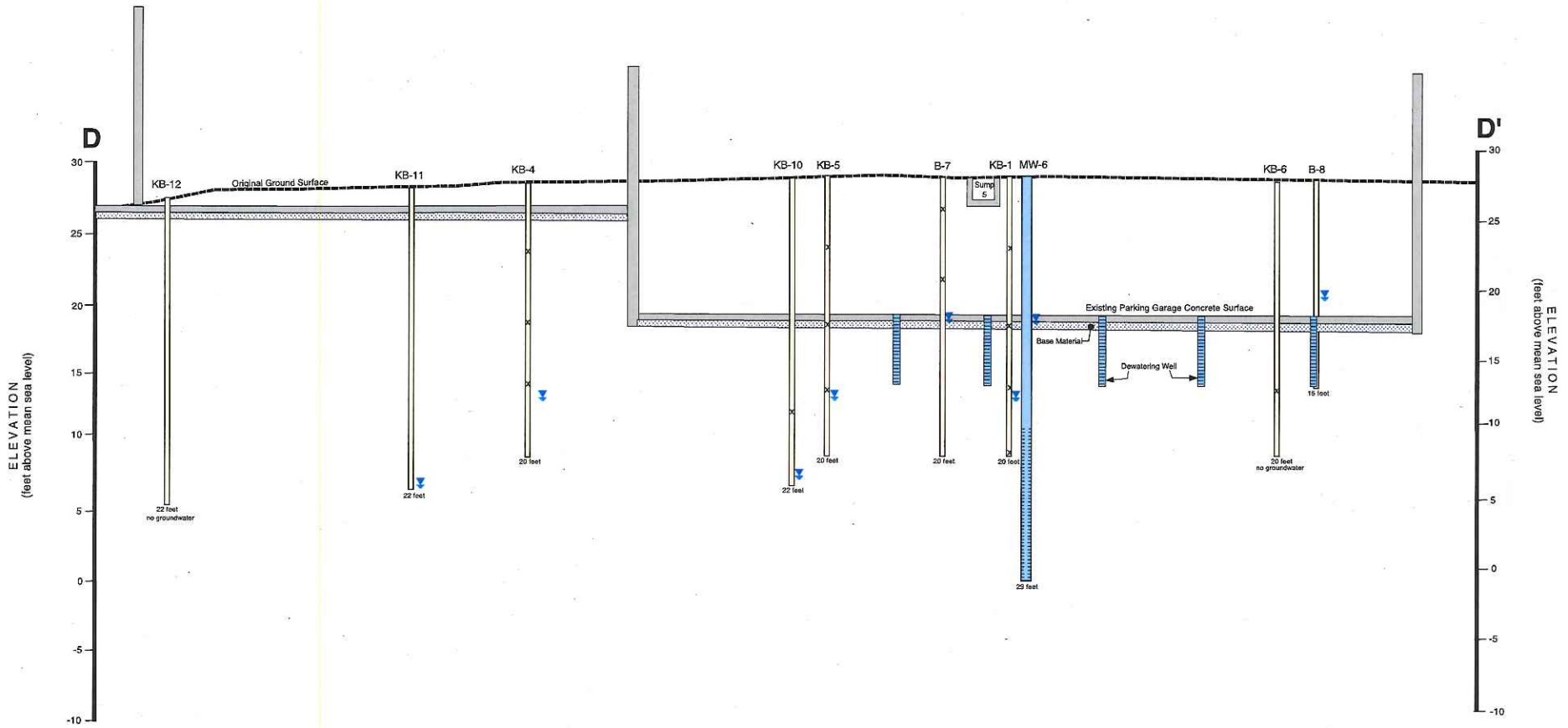


x Soil Sample Location

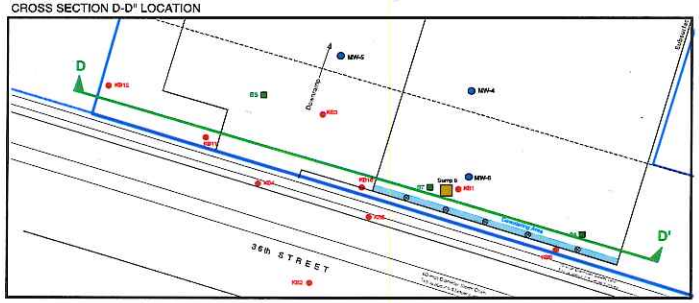
Vertical exaggeration is 2X

Elevations have been taken from drawings by Kava Massih Architects, which differ from the survey elevations for Kleinfelder's monitoring wells.

Adanta	The Ambassador Site Management Plan 1158 36th Street Emeryville, California Acanta Project A1085-10	FIGURE 5
	CROSS SECTIONS A-A' Through C-C'	



CROSS SECTION D-D" LOCATION



Vertical exaggeration is 2X

Elevations have been taken from drawings by Kava Massih Architects, which differ from the survey elevations for Kleinfelder's monitoring wells.

Adanta

The Ambassador
Site Management Plan
1168 36th Street
Emeryville, California

Adanta Project A1085-10

CROSS SECTION D-D'

FIGURE 6