ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

March 28, 2017

Pargat Singh Aulakh and Rawandiep K. Sran
4527 Heyer Avenue
Castro Valley, CA 94546

Mirazim and Afsar Shakoori
Castro Valley Chevron
4313 Mansfield Drive
Danville, CA 94506

Denis Brown
Shell Oil Products US
20945 S. Wilmington Avenue
Carson, CA 90810-1039
(Sent via E-mail to: denis.brown@shell.com)

Paul Supple
Atlantic Richfield Company (A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583
(Sent via E-mail to: paul.supple@bp.com)

Subject: Fuel Leak Case No. RO0000346 and GeoTracker Global ID T0600100920, BP #11105 / Shell 17-1445, 3519 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Ladies and Gentlemen:

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 Department of Environmental Health (ACDEH) 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 Department Environmental Health website (http://www.acgov.org/aceh/index.htm).

Due to residual contamination, the site was closed with Site Management Requirements that require notifying ACDEH of a change in land use to any residential, or conservative land use, or if any redevelopment occurs and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. Site Management Requirements are further described in the *Additional Information* Section of the attached Case Closure Summary. If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
Chief – Land Water Division

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

cc with enclosure:

Mansour Sepehr, SOMA Environmental Engineering, Inc., 6620 Owens Drive, Suite A, Pleasanton, CA 94588 (Sent via E-mail to: msepehr@somaenv.com)
Susan Hugo, Alameda County Environmental Health, (Sent via e-mail to: susan.hugo@acgov.org)
Dilan Roe, ACDEH (Sent via e-mail to: dilan.roe@acgov.org)
Karel Detterman, ACDEH (Sent via e-mail to: karel.detterman@acgov.org)
Paresh Khatri, ACDEH (Sent via e-mail to: paresh.khatri@acgov.org)
Case Electronic File, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
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REMEDIAL ACTION COMPLETION CERTIFICATION

March 28, 2017

Pargat Singh Aulakh and Rawandiep K. Sran
4527 Heyer Avenue
Castro Valley, CA 94546

Mirazim and Afsar Shakoori
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(Sent via E-mail to: paul.supple@bp.com)

Subject: Fuel Leak Case No. RO0000346 and GeoTracker Global ID T0600100920, BP #11105 / Shell 17-1445, 3519 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Responsible Parties:

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.

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,

Ronald Browder

Ronald Browder
Director

Underground Storage Tank
Case Closure Summary Form

Agency Information

Date: March 28, 2017

Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Case Worker: Karel Detterman, P.G.	Title: Hazardous Materials Specialist

Case Information

Facility Name: BP #11105 / Shell 17-1445		
Facility Address: 3519 Castro Valley Boulevard, Castro Valley, CA 94546 Alternate address of 20835 Redwood Road		
Regional Water Board LUSTIS Case: 01-0997	Former ACDEH Case No.: 2423	Current LOP Case No.: RO0000346
Unauthorized Release Form Filing Date: October 2, 2008	State Water Board GeoTracker Global ID: T0600100920	
Assessor Parcel Number: Current:84C-618-1-4 Formerly: 84C-618-1-2	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
Pargat Singh Aulakh and Rawandiep K. Sran	4527 Heyer Avenue Castro Valley, CA 94546	---
Mirazim and Afsar Shakoori Former Castro Valley Chevron	4313 Mansfield Drive Danville, CA 94506	---
Denis Brown Shell Oil Products US	20945S.Wilmington Avenue Carson, CA 90810-1039	---
Paul Supple Atlantic Richfield Company (A BP Affiliated Company)	P.O. Box 1257 San Ramon, CA 94583	

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place / Removed	Date
	380 gallon	Waste Oil	Removed/Replaced	September 20, 1988
	2,000 gallon	Waste Oil	Removed	September 2003
---	6,000 gallon	Plus Unleaded Gasoline	Removed/Replaced	September 2003
---	8,000 gallon	Super Unleaded Gasoline	Removed/Replaced	September 2003
	10,000 gallon	Regular Unleaded Gasoline	Removed/Replaced	September 2003

Underground Storage Tank
Case Closure Summary Form

Site History

Current Land-use at time of Case Closure: The subject property (currently APN 84C-618-1-4, formerly APN 84C-618-1-2) is located at 3519 Castro Valley Boulevard in a commercial area of Castro Valley, at the southeast corner of the intersection of Castro Valley Boulevard and Redwood Road. The property has an alternate address of 20835 and 20836 Redwood Road. At the time of this case closure, the service station was operating as a 76 Service Station, and accordingly this case is closed to the current commercial land-use risk scenario, consisting of a commercial structure developed at the site. Due to residual contamination, the site was closed with site management requirements that include notifying Alameda County Department of Environmental Health (ACDEH) of a proposed change in land use to any residential or conservative land use, or if any redevelopment or building alteration is proposed that affect or disturb the existing subsurface conditions at the site.

Site History

Adjacent Property(ies) Land-use at Time of Case Closure: The subject property is surrounded to the south and east by commercial businesses, to the north by Castro Valley Boulevard, and on the west by Redwood Road. At the time of this case closure, no potential off-site contamination was identified. However, should off-site redevelopment occur, ACDEH recommends evaluating the redevelopment site(s) for chemicals of concern identified on this site.

Historic Land-use/Site Investigation: Three single-walled fiberglass underground storage tanks (USTs) with capacities of 6,000 gallons, 8,000 gallons, and 10,000 gallons used for gasoline storage, were installed in the southeastern portion of the site in 1984. A former dispenser island reportedly existed on the west side of the site; however, there was no available information about the dispenser removal date. In 1988 the previously existing 380-gallon waste oil underground storage tank (WO UST) was replaced with a 2,000-gallon, double-walled, fiberglass UST. Holes were observed to exist in the removed WO UST.

In September 2003, the gasoline service station was remodeled. Three single-walled, fiberglass USTs, with capacities of 6,000 gallons, 8,000 gallons, and 10,000 gallons, were replaced with two new double-walled, fiberglass USTs with capacities of 12,000 gallons and 20,000 gallons used for gasoline storage. In addition, the dispensers, product lines, and vent lines were removed and replaced. The 2,000 gallon WO UST installed in 1984 was removed and not replaced. Soil below 5 feet bgs was disposed of off-site. Shallow soil was used as backfill material for the former UST pit after confirmation. Groundwater monitoring wells effected by the UST replacement were destroyed and replaced.

Two water-bearing zones (WBZ), shallow and semi-confined zone, are present on-and off-site. Depth to first encountered groundwater in the shallow WBZ was found to be 12 feet below ground surface (bgs) and in the semi-confined WBZ 18 to 31 feet bgs. The groundwater gradient direction in the shallow WBZ is predominantly to the south-southeast and to the south in the semi-confined WBZ. Castro Valley Creek, the closest surface water body, is located 312 feet west of and cross gradient to the site at its closest point.

Potential Exposure to Chemicals of Concern: The former USTs are believed to be the source of the contamination at the site and the main chemicals of concern (COCs) associated with the USTs and detected at the site were total petroleum hydrocarbons as gasoline (TPHg), TPH as diesel (TPHd), TPH motor oil (TPHmo), benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), and naphthalene.

Remediation Activities: A corrective action plan proposing multi-phase extraction (MPE) Pilot Testing, Air Sparging, and aquifer testing was submitted in March 2011. Due to relatively low water recovery rates observed during pilot testing, MPE configuration rather than dual phase extraction (DPE) was utilized. The estimated total mass of volatile organic compounds (VOCs) removed from soil vapor extracted from extraction wells was 7.05 pounds. The calculated average VOC mass removal rate was approximately 2.46 pounds per day.

Underground Storage Tank
Case Closure Summary Form

Site History (continued)

Remediation Activities (continued): A soil gas survey conducted October 2013 to November 2014 concluded that soil vapor intrusion did not appear to be a significant risk to onsite workers or nearby commercial workers or residents. The petroleum hydrocarbon plume does not appear to extend offsite as defined by wells SOMA-2, SOMA-3, and SOMA-4 located 190 feet south-southeast and down gradient of the site.

Case Closure & Future 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). The case meets all the general and media-specific criteria of the LTCP with the exception of media-specific criteria of direct contact to outdoor air. ACDEH made the determination that the site has a low risk of direct contact to outdoor air due to the commercial land use as a gasoline service station. ACDEH has made the determination that there is low potential for direct contact exposure because the entire site is paved and the site is in current commercial land use.

Due to residual contamination at the site, the site is closed as a commercial site with site management requirements and land use restrictions that limit the site to the current land use and building configuration. If there is a proposed change in land use to any residential, or conservative land use, or if any redevelopment occurs, ACDEH must be notified as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

Site Closure Evaluation Summary

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). The case meets all the general criteria of the LTCP but does not meet Direct Contact and Outdoor Air Specific Criteria. Alameda County Department of Environmental Health (ACDEH) has made the determination that there is low potential for direct contact exposure because of the current land use as a tire shop with open air service bays.

Refer to Attachments 1 through 5 for analysis details.

Site Management Requirements

Case closure is granted for the current commercial land use.

Due to residual subsurface contamination remaining at the site, if any redevelopment occurs, or if a change in land use to residential, or other conservative land use, Alameda County Department of Environmental Health (ACDEH) must be notified as required by Government Code Section 65850.2.

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

Institutional Controls

Not Applicable

Engineering Controls

Not Applicable

Underground Storage Tank
Case Closure Summary Form

Case Closure Public Notification Information

Agency Type	Agency Name	Contact Information
Regional Water Board	San Francisco Bay	Laurent Meillier 1515 Clay Street, Suite 1400, Oakland, CA 94612
Municipal and County Water Districts	East Bay Municipal Utility District	Chandra Johannesson P.O. Box 24055, MS 702 Oakland, CA 94623
Water Replenishment Districts	Not Applicable	---
Groundwater Basin Managers	Not Applicable	----
Planning Agency	Alameda County Community Development Agency	Sandra Rivera 224 W. Winton Avenue, Room 111 Hayward, CA 94544
Planning Agency	Alameda County Public Works Agency Clean Water Program	Kwablah Attiogbe 399 Elmhurst Street Hayward, CA 94544
Owners and Occupants of Property and Adjacent Parcels	See List in Attachment 7	----

Local Agency Signatures

Karel Detterman, PG	Title: Case Worker, Hazardous Materials Specialist
Signature: Karel Detterman	Date: March 28, 2017
Paresh Khatri	Title: Supervisor, Hazardous Materials Specialist
Signature:	Date: 3/28/2017
Dilan Roe, PE	Title: Chief – Land Water Division
Signature: Dilan Roe	Date: 3/29/2017

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. The Conceptual Site Model may not contain all available data. 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 Department of Environmental Health (ACDEH) 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 ACDEH website.

Attachment 1, Conceptual Site Model (2 pages)

Attachment 2, Low Threat Closure Policy (LTCP) Checklist (1 page)

Attachment 3, Groundwater Evaluation and Data (116 pages)

Attachment 4, Vapor Intrusion Evaluation and Data (6 pages)

Attachment 5, Soil Evaluation and Data (16 pages)

Attachment 6, Responsible Party Information (21 pages)

Attachment 7, Case Closure Public Notification Information (2 pages)

ATTACHMENT 1

BP #11105 / SHELL 17-1445 (T0600100920) - MAP THIS SITE

PUBLIC PAGE

3519 CASTRO VALLEY - VIEW ALTERNATE ADDRESSES
CASTRO VALLEY, CA 94546
ALAMEDA COUNTY
LUST CLEANUP SITE
STATUS: OPEN - ELIGIBLE FOR CLOSURE

PERTINENT INFORMATION:
CUF Claim #: 16517, 17387 **CUF Priority Assigned:** B, D **CUF Amount Paid:** $489,906

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000346* - *KAREL DETTERMAN*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-0997* - *Regional Water Board*

THIS PROJECT WAS LAST MODIFIED BY *KAREL DETTERMAN* ON 3/27/2017 4:50:34 PM - HISTORY

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION				
							REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE
16517	D	BP PRODUCTS NORTH AMERICA, INC. 6 CENTERPOINTE DR, LA PALMA CA 90623	3519 CASTRO VALLEY BLVD CASTRO VALLEY, CA 94546				2	Pat G. Cullen	Concurred with Current Corrective Action	10/11/2011	
17387	B	MIRAZIM SHAKOORI 4313 MANSFIELD, DANVILLE CA 94506	3519 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CA 94546	$489,906	14		1	walter bahm	Recommended Case Closure	3/7/2016	

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
BP #11105 / SHELL 17-1445 (Global ID: T0600100920) 3519 CASTRO VALLEY CASTRO VALLEY, CA 94546	Open - Eligible for Closure	5/16/2016	3/25/1993	24	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000346* ***CASEWORKER:*** *KAREL DETTERMAN* - ***SUPERVISOR:*** *DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-0997* ***CASEWORKER:*** *Regional Water Board* - ***SUPERVISOR:*** *NONE SPECIFIED*

STAFF NOTES (INTERNAL)
<NO STAFF NOTES ENTERED>

SITE HISTORY
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 Alameda County Department of Environmental Health website at: http://www.acgov.org/ACDEH/lop/ust.htm

Site History:

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Remediation Activities (continued): A soil gas survey conducted October 2013 to November 2014 concluded that soil vapor intrusion did not appear to be a significant risk to onsite workers or nearby commercial workers or residents. The petroleum hydrocarbon plume does not appear to extend offsite as defined by wells SOMA-2, SOMA-3, and SOMA-4 located 190 feet south-southeast and down gradient of the site.

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RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
DENIS BROWN	SHELL OIL PRODUCTS US	20945 S WILMINGTON AVE	CARSON	
MIRAZIM & AFSAR A SHAKOORI	CASTRO VALLEY CHEVRON	3519 CASTRO VALLEY BLVD	CASTRO VALLEY	
PARGAT SINGH AULAKH AND RAWANDIEP K. SRAN	BP #11105 / Shell 17-1445	19125 REDWOOD ROAD	CASTRO VALLEY	
PAUL SUPPLE	BP WEST COAST PRODUCTS, LLC	PO BOX 1257	SAN RAMON	

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
UNKNOWN	9/9/9999	9/9/9999			

RISK INFORMATION VIEW LTCP CHECKLIST VIEW PATH TO CLOSURE PLAN VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Gasoline		GW - Municipal and Domestic Supply		3/25/1993	Other Means	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
YES	NO	East Bay Municipal Utility District	2/27/2017	3/16/2017	2/10/2016	6/30/2015	

CDPH WELLS WITHIN 1500 FEET OF THIS SITE
NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
084C061800104	Castro Valley (2-8)	South Bay - East Bay Cities (204.20)

PUBLIC WATER SYSTEM(S)

COUNTY
Alameda

• EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
DP-1	8/18/2009		ND	ND	ND	OTHER	ND	ND
DP-2	8/17/2009		ND	ND	3.7 UG/L	OTHER	ND	ND
DP-3	8/17/2009		ND	ND	ND	OTHER	1.9 UG/L	ND
DP-4	8/17/2009		ND	ND	ND	OTHER	0.76 UG/L	ND
DP-5	8/18/2009		8.9 UG/L	1.6 UG/L	18 UG/L	OTHER	4.8 UG/L	ND
DP-6	8/18/2009		18 UG/L	ND	71 UG/L	OTHER	ND	ND
DP-7	8/18/2009		ND	ND	ND	OTHER	ND	ND
EB-PRB	1/17/2008		ND	ND	ND	OTHER	ND	ND
EB-PRB2	1/17/2008		ND	ND	ND	OTHER	ND	ND
EB-PUMP	1/17/2008		ND	ND	ND	OTHER	ND	ND
EB-PUMP2	1/17/2008		ND	ND	ND	OTHER	ND	ND
EFF	6/21/2011		ND	ND	ND			
ESE-1	7/26/2010		96 UG/L	1.2 UG/L	4.2 UG/L	OTHER	17 UG/L	110 UG/L
ESE-1R	1/18/2016		11 UG/L	ND	2.1 UG/L	OTHER	14 UG/L	54 UG/L
ESE-2	7/26/2010		ND	ND	ND	OTHER	13 UG/L	ND
ESE-2R	1/18/2016		ND	ND	ND	OTHER	1.2 UG/L	ND
ESE-3	6/17/2003	OTHER	17 UG/L	ND	5.3 UG/L	ND	130 UG/L	ND
ESE-3WA	10/3/2003		ND	ND	0.59 UG/L	OTHER	ND	
ESE-5	7/26/2010		0.75 UG/L	ND	1.8 UG/L	OTHER	2 UG/L	ND
ESE-5R	1/19/2016		ND	ND	ND	OTHER	5.8 UG/L	ND
EX UST PIT	9/4/2003		110 UG/L	220 UG/L	18 UG/L	OTHER	12000 UG/L	
MW-6	7/26/2010		ND	ND	ND	OTHER	ND	ND
MW-6R	1/18/2016		ND	ND	ND	OTHER	ND	ND
MW-7	7/26/2010		ND	ND	ND	OTHER	6 UG/L	ND
MW-7R	1/18/2016		ND	ND	ND	OTHER	ND	ND
OB-1	1/19/2016		7.5 UG/L	ND	40 UG/L	OTHER	20 UG/L	16 UG/L
OB-2	1/19/2016		370 UG/L	ND	850 UG/L	OTHER	47 UG/L	ND
SOMA-1	1/18/2016		ND	ND	ND	OTHER	0.72 UG/L	ND
SOMA-2	1/18/2016		ND	ND	ND	OTHER	ND	ND
SOMA-3	1/18/2016		ND	ND	ND	OTHER	0.81 UG/L	ND
SOMA-4	1/18/2016		ND	ND	ND	OTHER	0.83 UG/L	ND
SOMA-5	1/19/2016		570 UG/L	ND	80 UG/L	OTHER	8.8 UG/L	ND
SOMA-5 EFF	6/29/2011		25 UG/L	ND	11 UG/L			
SOMA-7	1/19/2016		680 UG/L	10 UG/L	39 UG/L	OTHER	2.9 UG/L	ND
SOMA-8	1/18/2016		ND	ND	ND	OTHER	ND	ND

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
COMP ESE-3	10/3/2003		ND	ND	ND		ND	
COMP-1	9/3/2003		ND	ND	32 UG/KG		ND	
COMP-2R	9/5/2003		ND	24 UG/KG	54 UG/KG		ND	
COMP.-1	6/10/2004		ND	ND	ND		ND	
DP-1	8/18/2009		ND	ND	ND		ND	ND
DP-2	8/17/2009		ND	ND	ND		ND	ND
DP-3	8/17/2009		ND	ND	ND		ND	ND
DP-4	8/17/2009		ND	ND	ND		ND	ND
DP-5	8/18/2009		ND	ND	2400 UG/KG		ND	ND
DP-6	8/18/2009		ND	ND	540 UG/KG		ND	ND
DP-7	8/18/2009		ND	ND	ND		ND	ND
INTERSECTI	9/11/2003		ND	ND	ND		ND	
OB-1	6/6/2011		ND	ND	ND		ND	ND
OB-2	6/6/2011		ND	ND	3100 UG/KG		17 UG/KG	ND
PL-1 @ 4'	9/15/2003		ND	ND	340 UG/KG		ND	
PL-2 @ 4'	9/15/2003		ND	ND	ND		ND	
PUMPS 1 &	9/11/2003		ND	5.5 UG/KG	16 UG/KG		ND	
PUMPS 3 &	9/11/2003		ND	ND	ND		ND	
PUMPS 5 &	9/11/2003		ND	ND	ND		ND	
PUMPS 7 &	9/11/2003		ND	ND	ND		ND	
SB1 COMP	8/20/2003		20 UG/KG	ND	9.8 UG/KG		230 UG/KG	
SB2 COMP	8/20/2003		ND	ND	2800 UG/KG		ND	
SOMA-5	8/18/2009		ND	ND	2000 UG/KG		ND	ND
SOMA-6	8/9/2010		ND	ND	ND		ND	ND
SOMA-7	8/9/2010		ND	ND	9000 UG/KG		ND	ND
SOMA-8	8/9/2010		ND	ND	ND		ND	ND
SOMA-9	8/9/2010		ND	ND	ND		ND	ND
UST-NE@9.5	9/4/2003		ND	ND	ND		59 UG/KG	
UST-NW@9.5	9/4/2003		ND	ND	7.1 UG/KG		69 UG/KG	
UST-SE@8	9/4/2003		ND	ND	ND		ND	
UST-SW@10	9/4/2003		ND	ND	ND		75 UG/KG	
UST-SW@8	9/4/2003		ND	44 UG/KG	280 UG/KG		71 UG/KG	
WOT-W@5.5	9/4/2003		ND	ND	ND		ND	

MOST RECENT GEO_WELL DATA - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)
ESE-1	7/26/2010	9.95	N	
ESE-1R	1/18/2016	9.4	N	
ESE-2	7/26/2010	10.44	N	
ESE-2R	1/18/2016	9.3	N	
ESE-3	6/17/2003	9.3	U	
ESE-4	6/17/2003	8.84	U	
ESE-5	7/26/2010	7.01	N	
ESE-5R	1/19/2016	7.09	N	
MW-6	7/26/2010	9.64	N	
MW-6R	1/18/2016	8.95	N	
MW-7	7/26/2010	9.11	N	
MW-7R	1/18/2016	7.75	N	
OB-1	1/19/2016	6.67	N	
OB-2	1/19/2016	9.08	Y	
SOMA-1	1/18/2016	9.29	N	
SOMA-2	1/18/2016	8.92	N	
SOMA-3	1/18/2016	8.15	N	
SOMA-4	1/18/2016	8.41	N	
SOMA-5	1/19/2016	9.49	Y	
SOMA-7	1/19/2016	6.32	Y	
SOMA-8	1/18/2016	9.06	N	

ATTACHMENT 2

BP #11105 / SHELL 17-1445 (T0600100920) - MAP THIS SITE

PUBLIC PAGE

3519 CASTRO VALLEY - VIEW ALTERNATE ADDRESSES
CASTRO VALLEY , CA 94546
ALAMEDA COUNTY
LUST CLEANUP SITE
STATUS: OPEN - ELIGIBLE FOR CLOSURE

PERTINENT INFORMATION:
CUF Claim #: 16517, 17387 CUF Priority Assigned: B, D CUF Amount Paid: $489,906

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000346 - KAREL DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0997 - Regional Water Board

THIS PROJECT WAS LAST MODIFIED BY KAREL DETTERMAN ON 3/27/2017 5:18:56 PM - HISTORY

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 3/27/2017

CHECKLIST INITIATED ON 8/5/2013

CLOSURE POLICY HISTORY

General Criteria - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — NO

a. Is the unauthorized release located within the service area of a public water system?
Name of Water System : East Bay Municipal Utility District — ◉ YES ○ NO

b. The unauthorized release consists only of petroleum (info). — ◉ YES ○ NO

c. The unauthorized ("primary") release from the UST system has been stopped. — ◉ YES ○ NO

d. Free product has been removed to the maximum extent practicable (info).
Free Product Remaining: Measurable Free Product
Removal Methods Tried : ☐ HVDPE ☐ Skimmer ☐ Bailing ☐ Absorbant Materials ☐ Did Not Try to Remove FP ☑ OTHER:
○ FP Not Encountered ○ YES ◉ NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info). — ◉ YES ○ NO

f. Secondary source has been removed to the extent practicable (info). — ◉ YES ○ NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. — ○ Not Required ◉ YES ○ NO

h. Does a nuisance exist, as defined by Water Code section 13050. — ○ YES ◉ NO

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info) — ○ YES ◉ NO

Does the site meet any of the Groundwater specific criteria scenarios? — ◉ YES ○ NO

1.2 - The contaminant plume that exceeds water quality objectives is <250 feet in length. There is no free product. The nearest existing water supply well or surface water body is >1,000 feet from the defined plume boundary. The dissolved concentration of benzene is <3,000 µg/L. The dissolved concentration of MTBE is <1,000 µg/L. — ◉ YES ○ NO

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Active Commercial Petroleum Fueling Facility — ◉ YES ○ NO

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS — NO

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination — ○ YES ◉ NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Exposure Type :
○ Residential ○ Commercial ○ Utility Worker

Petroleum Constituents in Soil :
○ ≤ 5 Feet bgs ○ >5 Feet bgs and ≤10 Feet bgs ○ Unknown

Soil Concentrations of Benzene :
○ > 1.9 mg/kg and ≤ 2.8 mg/kg ○ > 2.8 mg/kg and ≤ 8.2 mg/kg ○ > 8.2 mg/kg and ≤ 12 mg/kg ○ > 12 mg/kg and ≤ 14 mg/kg ○ > 14 mg/kg ○ Unknown

Soil Concentrations of EthylBenzene :
○ > 21 mg/kg and ≤ 32 mg/kg ○ > 32 mg/kg and ≤ 89 mg/kg ○ > 89 mg/kg and ≤ 134 mg/kg ○ > 134 mg/kg and ≤ 314 mg/kg ○ > 314 mg/kg ○ Unknown

Soil Concentrations of Naphthalene :
○ > 9.7 mg/kg and ≤ 45 mg/kg ○ > 45 mg/kg and ≤ 219 mg/kg ○ > 219 mg/kg ○ Unknown

Soil Concentrations of PAH :
○ > 0.063 mg/kg and ≤ 0.68 mg/kg ○ > 0.68 mg/kg and ≤ 4.5 mg/kg ○ > 4.5 mg/kg ◉ Unknown

Area of Impacted Soil :
○ Area of Impacted Soil > 82 by 82 Feet ○ Unknown

Additional Information

Should this case be closed in spite of NOT meeting policy criteria?
Explain: ACDEH has made the determination that there is low potential for direct contact exposure because the entire site is paved and the site is in current commercial land use. — ◉ YES ○ NO

Has this LTCP Checklist been updated for FY 16/17? — ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

ATTACHMENT 3

Attachment 3 – Groundwater Evaluation and Data

LTCP GROUNDWATER SPECIFIC CRITERIA - PETROLEUM						
Closure Scenario						
__ Site has not affected groundwater; __Scenario 1; **X Scenario 2**; __ Scenario 3; __ Scenario 4; __ Scenario 5; __ This case should be closed in spite of not meeting the groundwater specific media criteria						
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria						
Site Specific Data		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Scenario 4**	**Scenario 5**
Plume Length	210 Feet	<100 feet	**<250 feet**	<1,000 feet	<1,000 feet	The site does not meet scenarios 1 through 4; however, 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.
Free Product	No free product	No free product	**No free product**	Removed to maximum extent practicable	No free product	
Plume Stable or Decreasing	Stable or Decreasing	Stable or decreasing	**Stable or decreasing**	Stable or decreasing for minimum of 5 years	Stable or decreasing	
Distance to Nearest Water Supply Well (from plume boundary)	A private irrigation well is located >2,000 feet downgradient and south of site	>250 feet	**>1,000 feet**	>1,000 feet	>1,000 feet	
Distance to Nearest Surface Water Body (from plume boundary)	Castro Valley Creek is located approximately 312 feet east and cross-gradient; Up and down gradient: None	>250 feet	**>1,000 feet**	>1,000 feet	>1,000 feet	
Benzene Concentrations (µg/l)	Historic Max: 3,400 Current Max: 680	No criteria	**<3,000**	<1,000	<1,000	
MTBE Concentrations (µg/l)	Historic Max: 36,000 Current Max: 47	No criteria	**<1,000**	<1,000	<1,000	
Property Owner Willing to Accept a Land Use Restriction	Not applicable	Not applicable	**Not applicable**	Yes	Not applicable	

Notes: DWR = Department of Water Resources
ACPWA = Alameda County Public Works Agency
Zone 7 = Zone 7 Water District
GAMA = Groundwater Ambient Monitoring Assessment (GeoTracker)

Attachment 3 – Groundwater Evaluation and Data

Plume Length	Defined by well SOMA-4 located 210 feet south and downgradient of the former USTs.
Water Bearing Zones	Two water-bearing zones (WBZ), shallow and semi-confined zone, are present on-and off-site. Depth to first encountered groundwater in the shallow WBZ was found to be 12 feet below ground surface (bgs) and in the semi-confined WBZ 18 to 31 feet bgs. The groundwater gradient direction in the shallow WBZ is predominantly to the south-southeast and to the south in the semi-confined WBZ.
Free Product	No Free Product
Plume Stability	Plume is decreasing in aerial extent based on the most recent concentration trend. (The contaminant mass has expanded to its maximum extent defined as the distance from the release where attenuation exceeds migration.)
Water Supply Wells	An Alameda County Public Works Agency (ACPWA) and the Department of Water Resources (DWR) well survey indicates that a private irrigation well is located greater than 2,000 feet downgradient and south of the site. The well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) website indicates there are no public water supply wells, irrigation wells, California Department of Public Health wells, Department of Pesticide Regulation wells located within a 2,000 foot radius of the site.
Surface Water Bodies	Castro Valley Creek, the closest surface water body, is located 312 feet east of and cross gradient to the site at its closest point. A 600-feet reach of Castro Valley Creek between Castro Valley Boulevard and south to Norbridge Avenue was restored to nature habitat in 1994. Castro Valley Creek is located approximately 312 feet east and downgradient; There are no surface water bodies located upgradient or downgradient from the site.

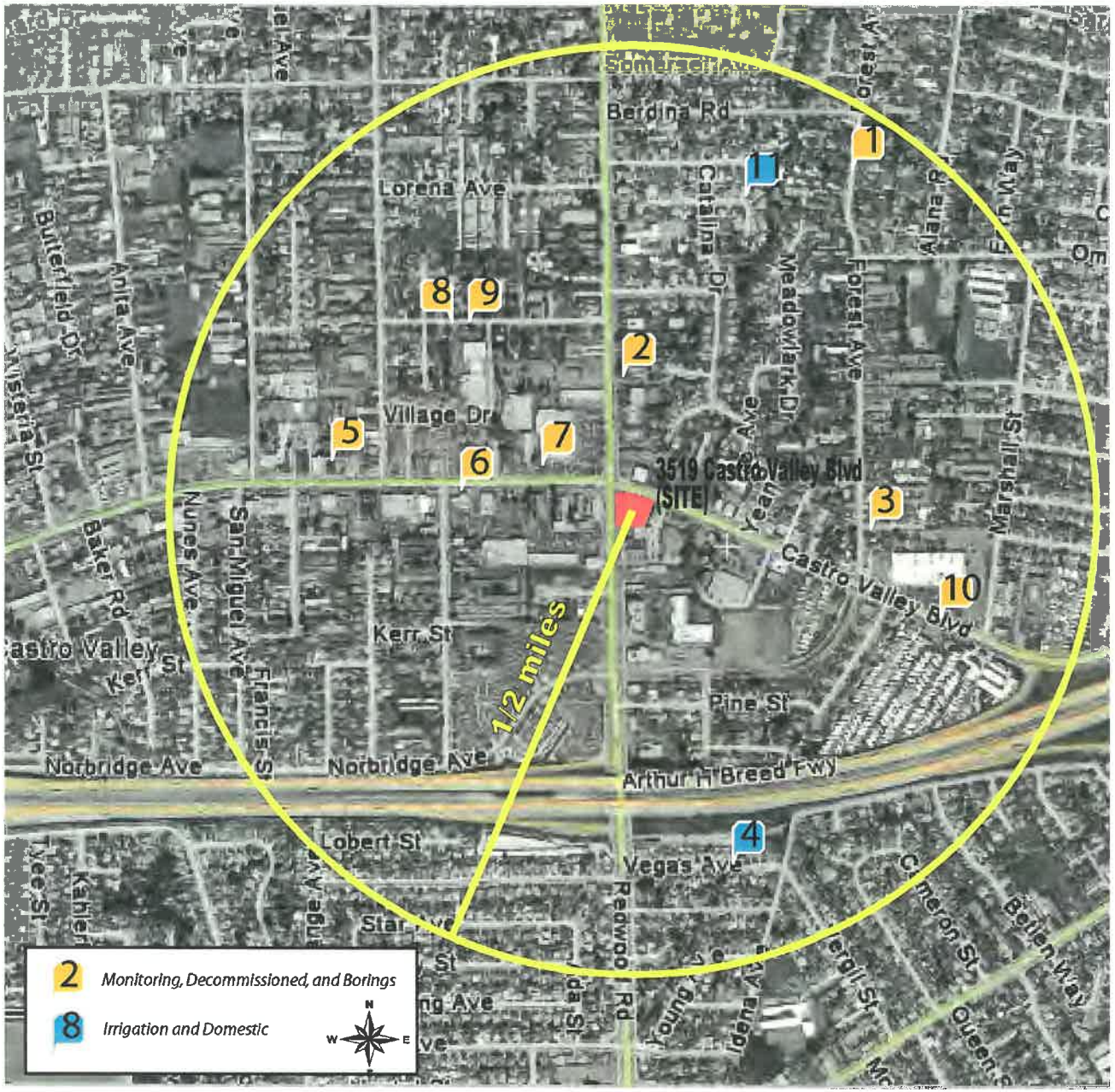
N

approximate scale in feet

0 60 120

Figure 1: Site vicinity map.

ENVIRONMENTAL ENGINEERING, INC.



Aerial Source: Imagery (c) 2006 Aerials Express (Yahoo Inc.)

Map ID	Well Count	Address	Owner	Drilldate	TD	Diam	Use
1	1	19945 FOREST	MR. WEHE	3/78	51	8	DES
2	2	20450 REDWOOD RD	EXXON OIL	8/77	50	0	Unknown
3	3	20680 FOREST AV	G.G. PAUL KASMER	Oct-73	20	0	DES
4	4	2633 VEGAS AV	ANNA WEEDEN	4/77	24	4	Irrigation
5	5	3234 Castro Valley Blvd	Mitzi Stockel	Apr-90	8	2	BOR
	6	3234 Castro Valley Blvd	Mitzi Stockel	Apr-90	16	2	Monitoring
	7	3234 Castro Valley Blvd	Mitzi Stockel	Apr-90	16	2	Monitoring
	8	3234 Castro Valley Blvd	Mitzi Stockel	Apr-90	16	2	Monitoring
	9	3234 Castro Valley Blvd	Mitzi Stockel	May-90	23	2	Monitoring
	10	3234 Castro Valley Blvd	Mitzi Stockel	May-90	20	2	Monitoring
6	11	3369 Castro Valley Blvd	Chevron USA	Oct-93	20	2	Monitoring
	12	3369 Castro Valley Blvd	Chevron USA	Oct-93	20	2	Monitoring
	13	3369 Castro Valley Blvd	Chevron USA	Oct-93	20	2	Monitoring
	14	3369 Castro Valley Blvd	Chevron USA	Oct-93	20	2	Monitoring
7	15	3430 Castro Valley Blvd	Goodyear	Dec-96	16	2	Monitoring
	16	3430 Castro Valley Blvd	Goodyear Tire & Rubber Co	9/94	20	2	Monitoring
	17	3430 Castro Valley Blvd	Goodyear Tire & Rubber Co	9/94	20	2	Monitoring
	18	3430 Castro Valley Blvd	Goodyear Tire & Rubber Co	9/94	20	2	Monitoring
8	19	3533 JAMISON WAY	R. NAHAS CO.	?	25	5	DES
	20	3533 JAMISON WAY	R. NAHAS CO.	?	20	5	DES
9	21	3559 JAMISON WAY	R. NAHAS CO.	Dec-75	56	0	DES
10	22	3889 Castro Valley Blvd	VIP Service (MW1)	Nov-93	20	2	Monitoring
	23	3889 Castro Valley Blvd	VIP Service (MW2)	Nov-93	20	2	Monitoring
	24	3889 Castro Valley Blvd	VIP Service (MW3)	Nov-93	20	2	Monitoring
11	25	4057 STEVENS ST	R. FORQUER	?	70	8	Irrigation

approximate scale

0 0.25 mile 0.5 mile

Figure 16: Sensitive Receptor Survey Map Based on the Data Obtained from the Alameda County Public Works Agency

SOMA ENVIRONMENTAL ENGINEERING, INC.

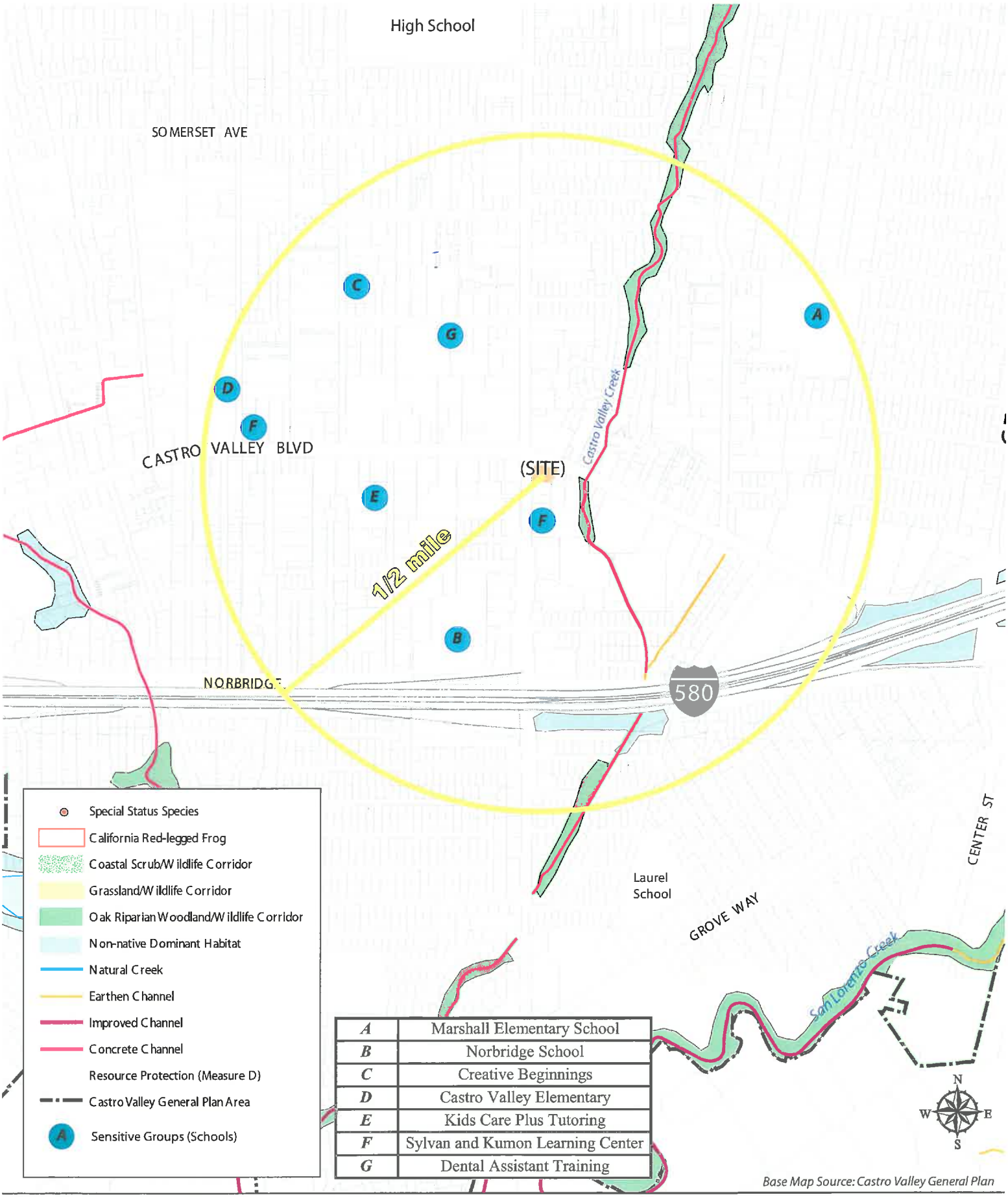


Figure 30: Map Showing Locations of Other Relevant Sensitive Receptors

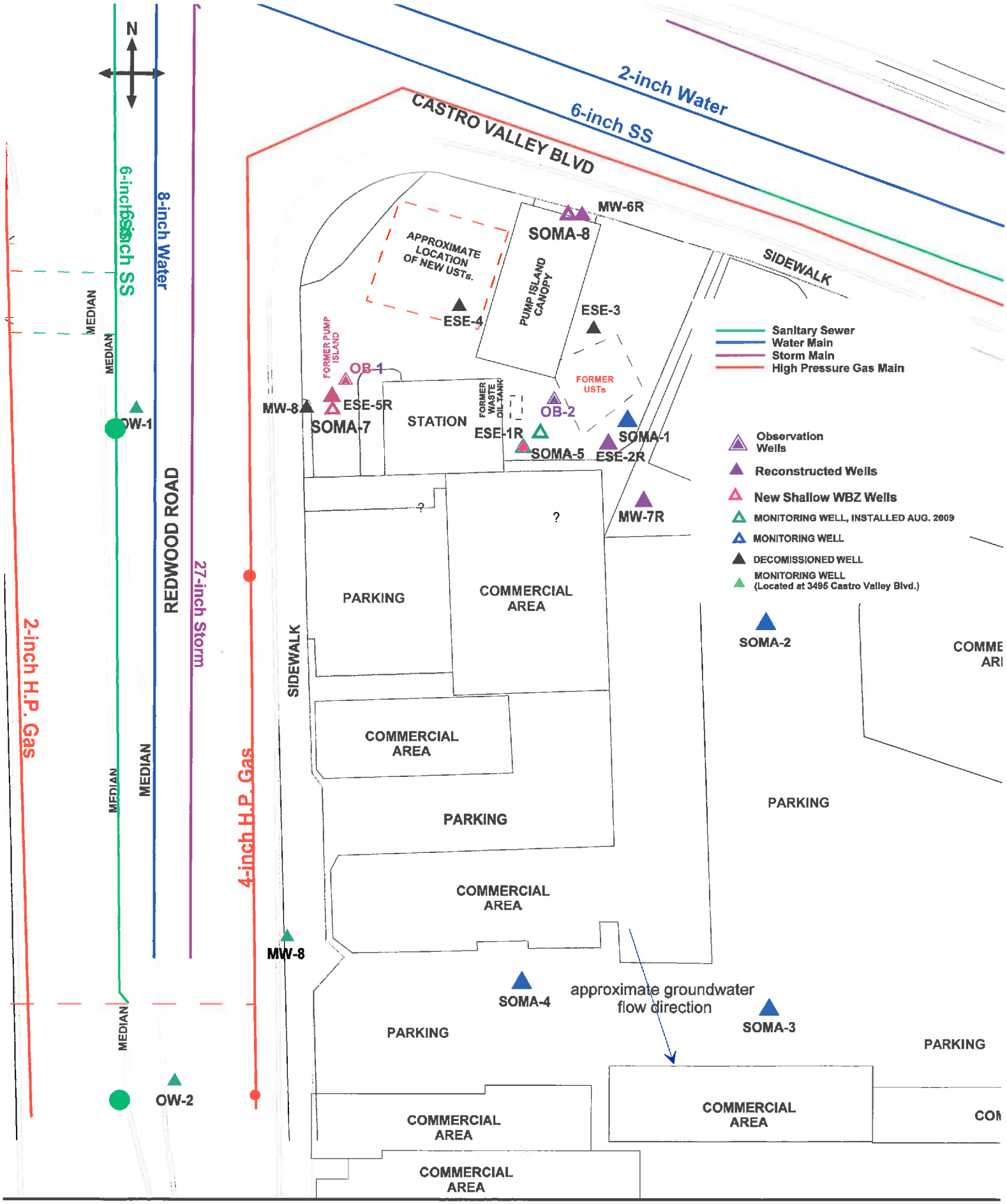
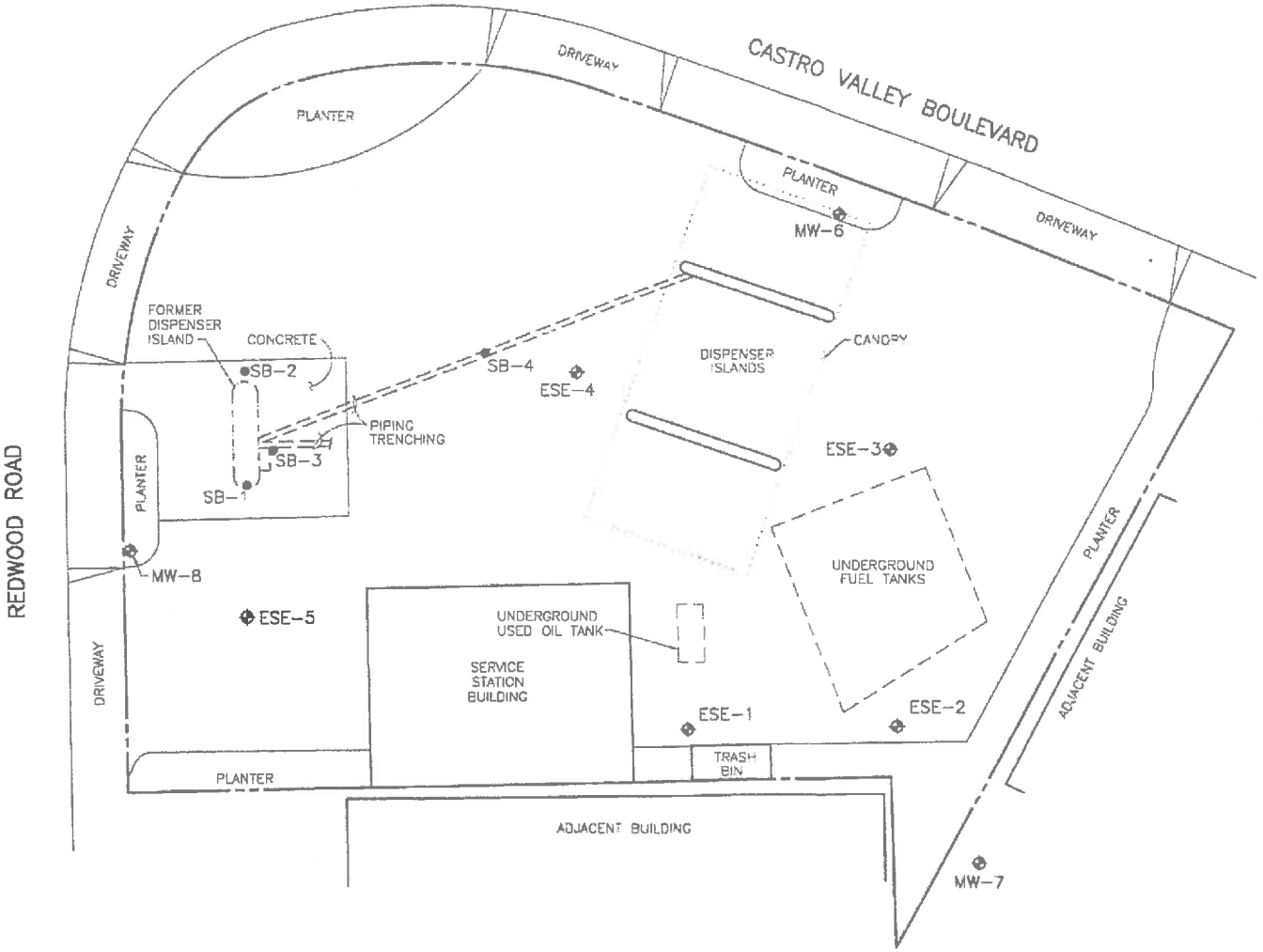


Figure 17: Map Showing Locations of Underground Utilities

ENVIRONMENTAL ENGINEERING, INC.



N

0 20 40

SCALE IN FEET

LEGEND

- GROUNDWATER MONITORING WELL
- SOIL BORING

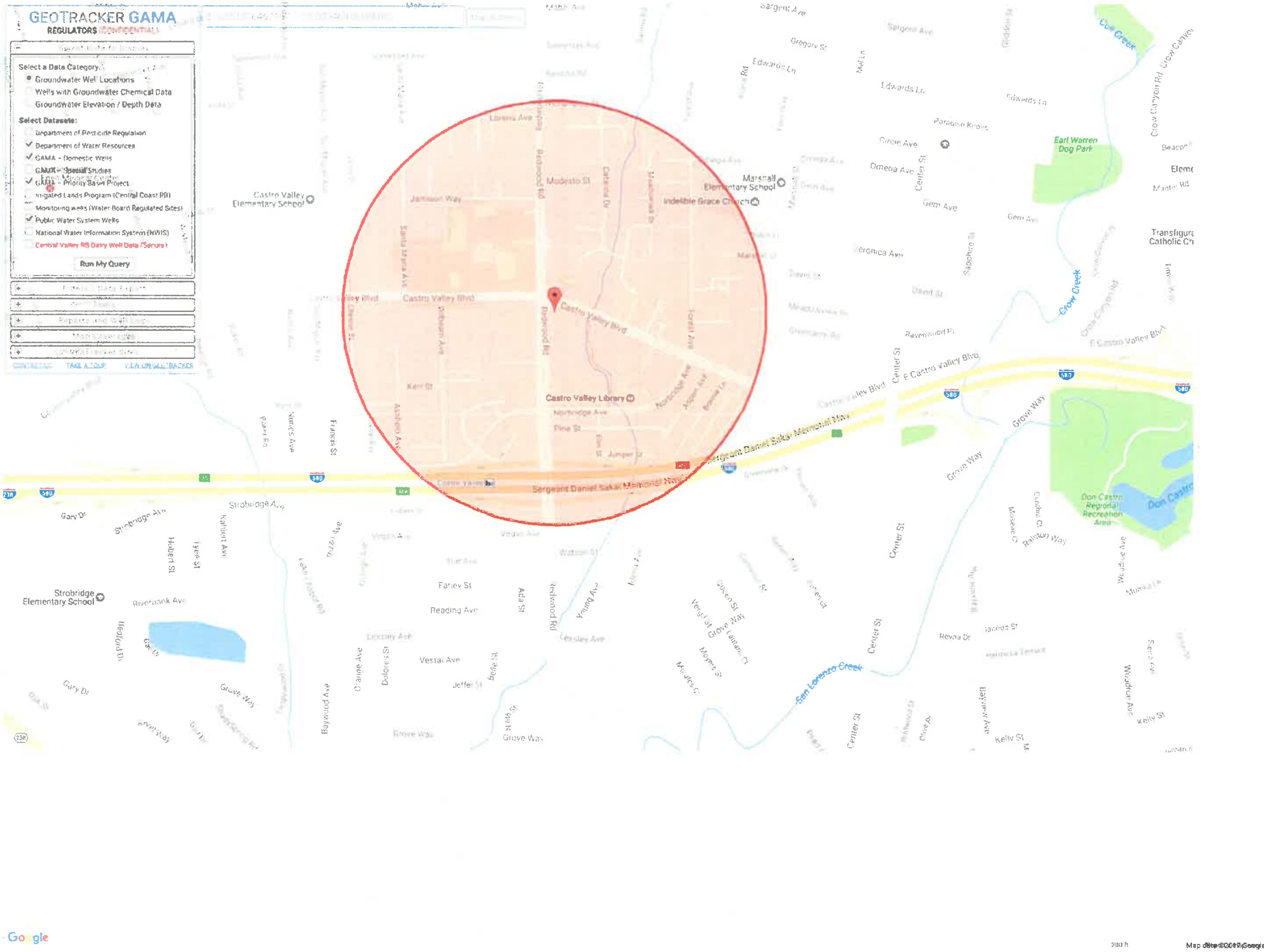
FIGURE 2

SITE PLAN

BP OIL SERVICE STATION NO. 11105
3519 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. 10-138

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA


GEOTRACKER GAMA
REGULATORS
Select a Data Category:
Groundwater Well Locations
Wells with Groundwater Chemical Data
Groundwater Elevation / Depth Data
Select Datasets:
Department of Pesticide Regulation
Department of Water Resources
GAMA - Domestic Wells
GAMA - Special Studies
GAMA - Priority Basin Project
Irrigated Lands Program (Central Coast RB)
Monitoring wells (Water Board Regulated Sites)
Public Water System Wells
National Water Information System (NWIS)
Central Valley RB Dairy Well Data (Secure)
Run My Query
Castro Valley Blvd
Castro Valley Library
Redwood Rd
Modesto St
Jamison Way
Marshall Elementary School
Indelible Grace Church
Castro Valley Elementary School
Sergeant Daniel Sakai Memorial Hwy
E Castro Valley Blvd
Earl Warren Dog Park
Crow Creek
Don Castro Regional Recreation Area
San Lorenzo Creek
Strobridge Elementary School
Strobridge Ave
Grove Way
Google
Map data ©2017 Google

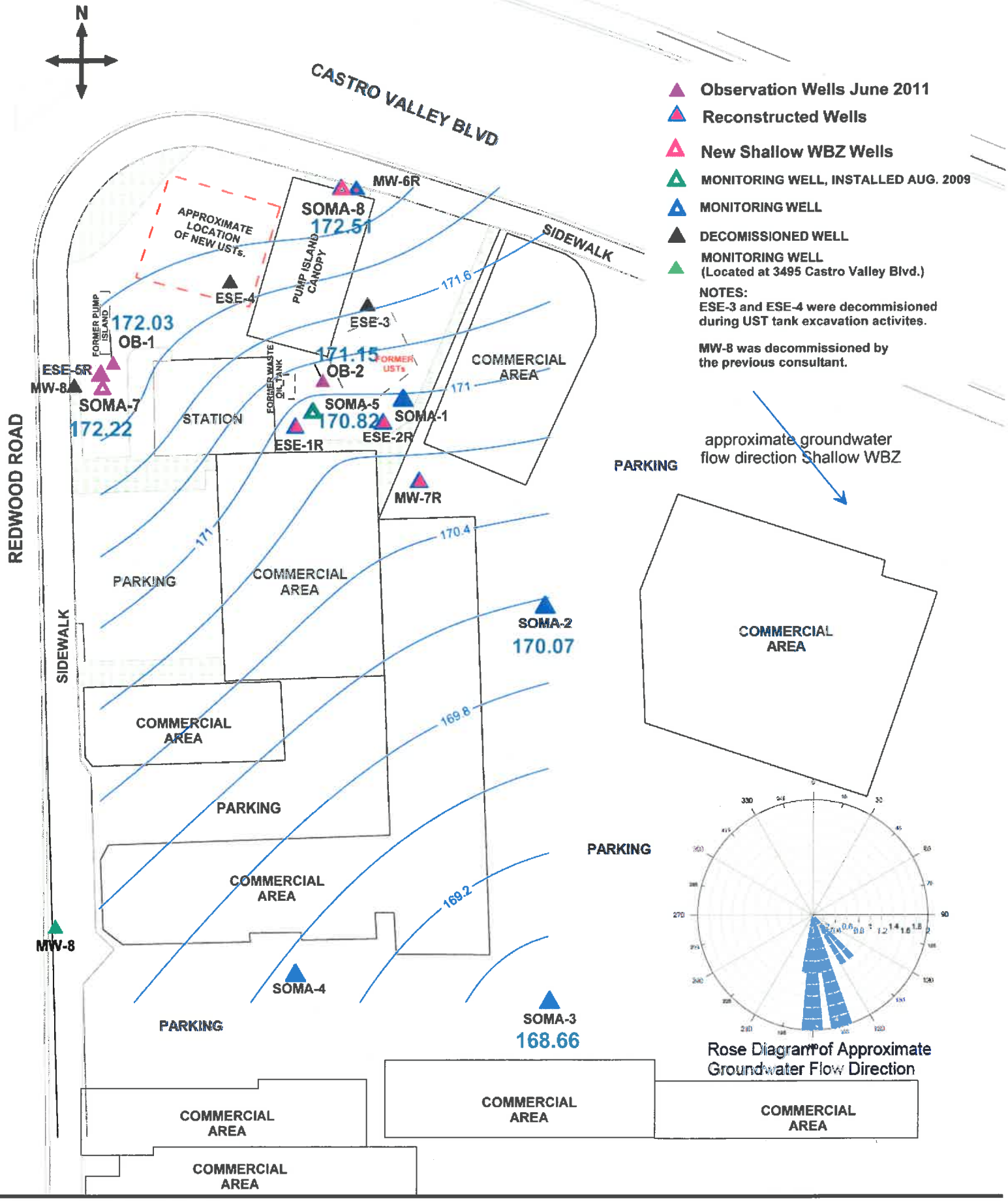


Figure 3: Groundwater Elevation Contour Map for Shallow WBZ Wells in Feet. January 18, 2016

ENVIRONMENTAL ENGINEERING, INC.

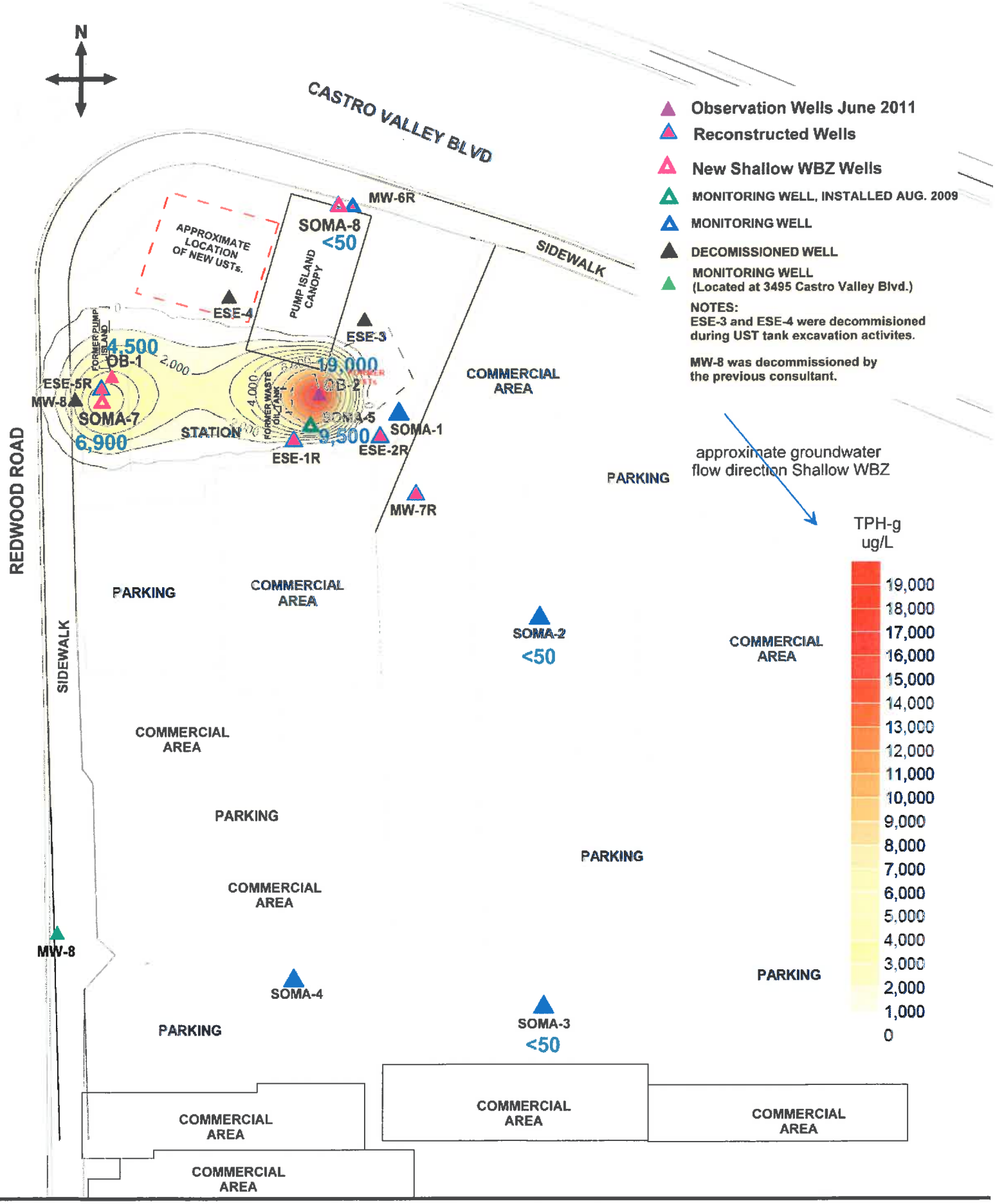


Figure 4: Contour Map of TPH-g Concentrations in Shallow WBZ Wells in Feet. January 18 and 19, 2016

ENVIRONMENTAL ENGINEERING, INC.

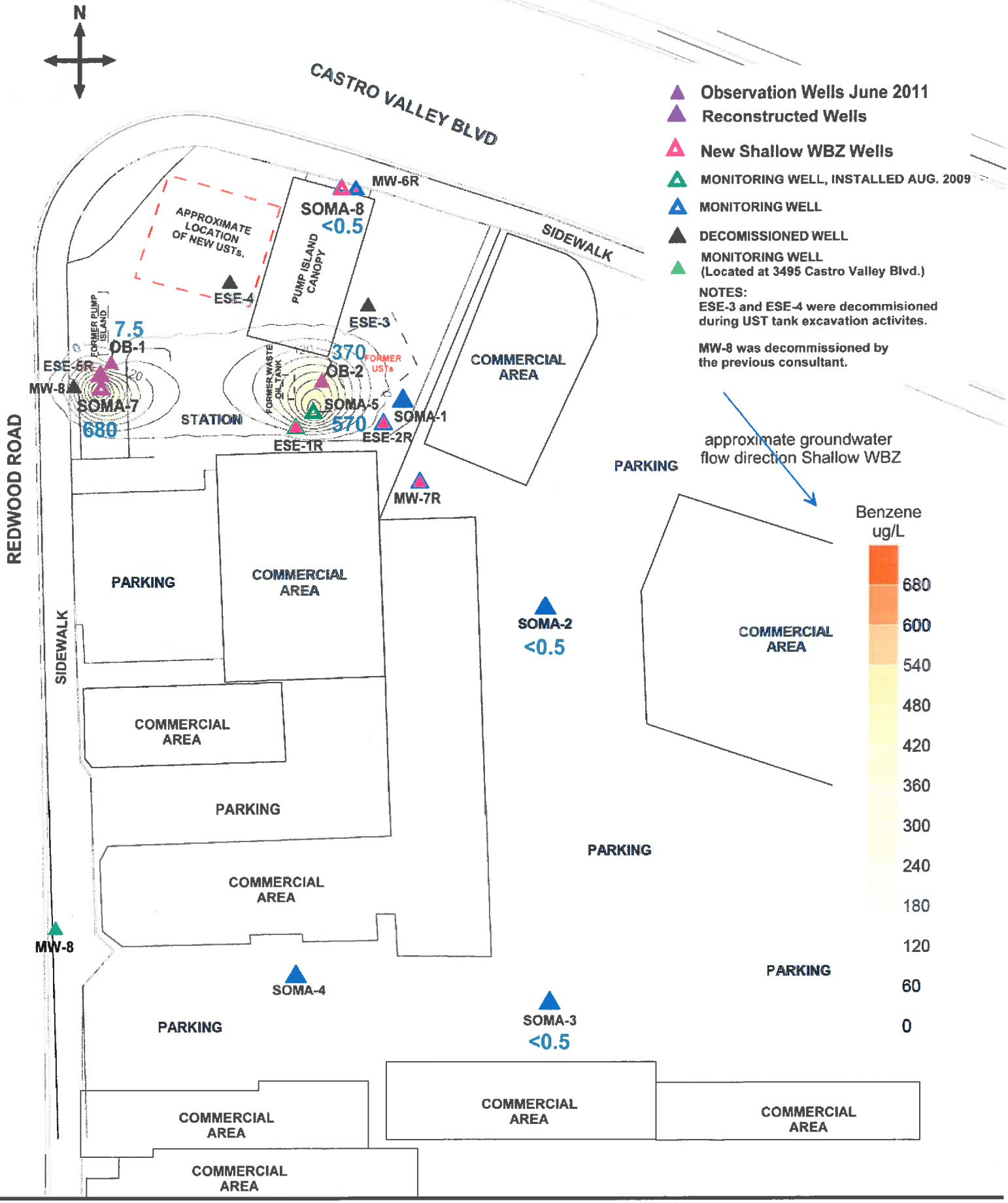


Figure 5: Contour Map of Benzene Concentrations in Shallow WBZ Wells in Feet. January 18 and 19, 2016

ENVIRONMENTAL ENGINEERING, INC.

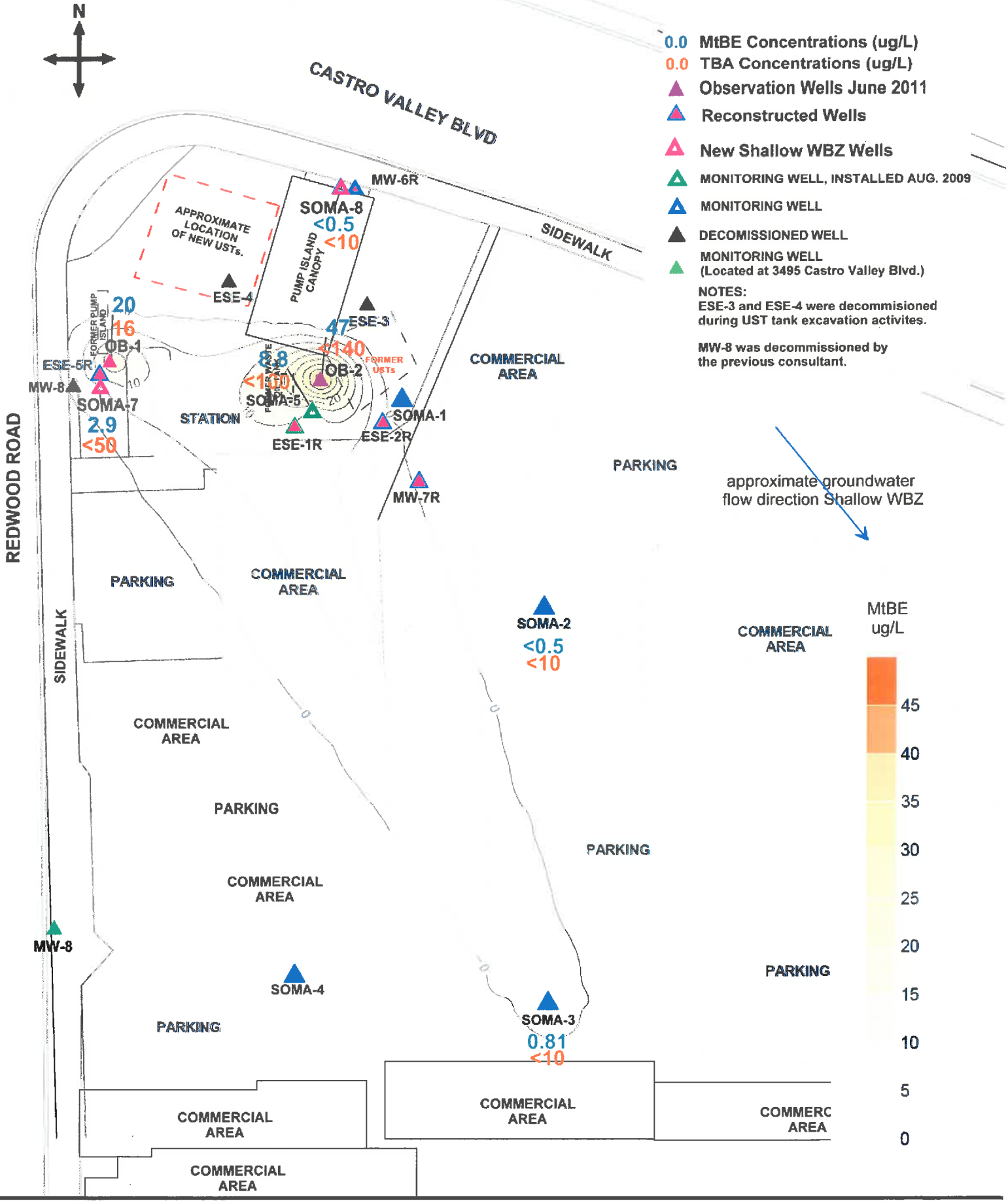


Figure 6: Contour Map of MtBE and Map of TBA Concentrations in Shallow WBZ Wells in Feet. January 18 and 19, 2016

ENVIRONMENTAL ENGINEERING, INC.

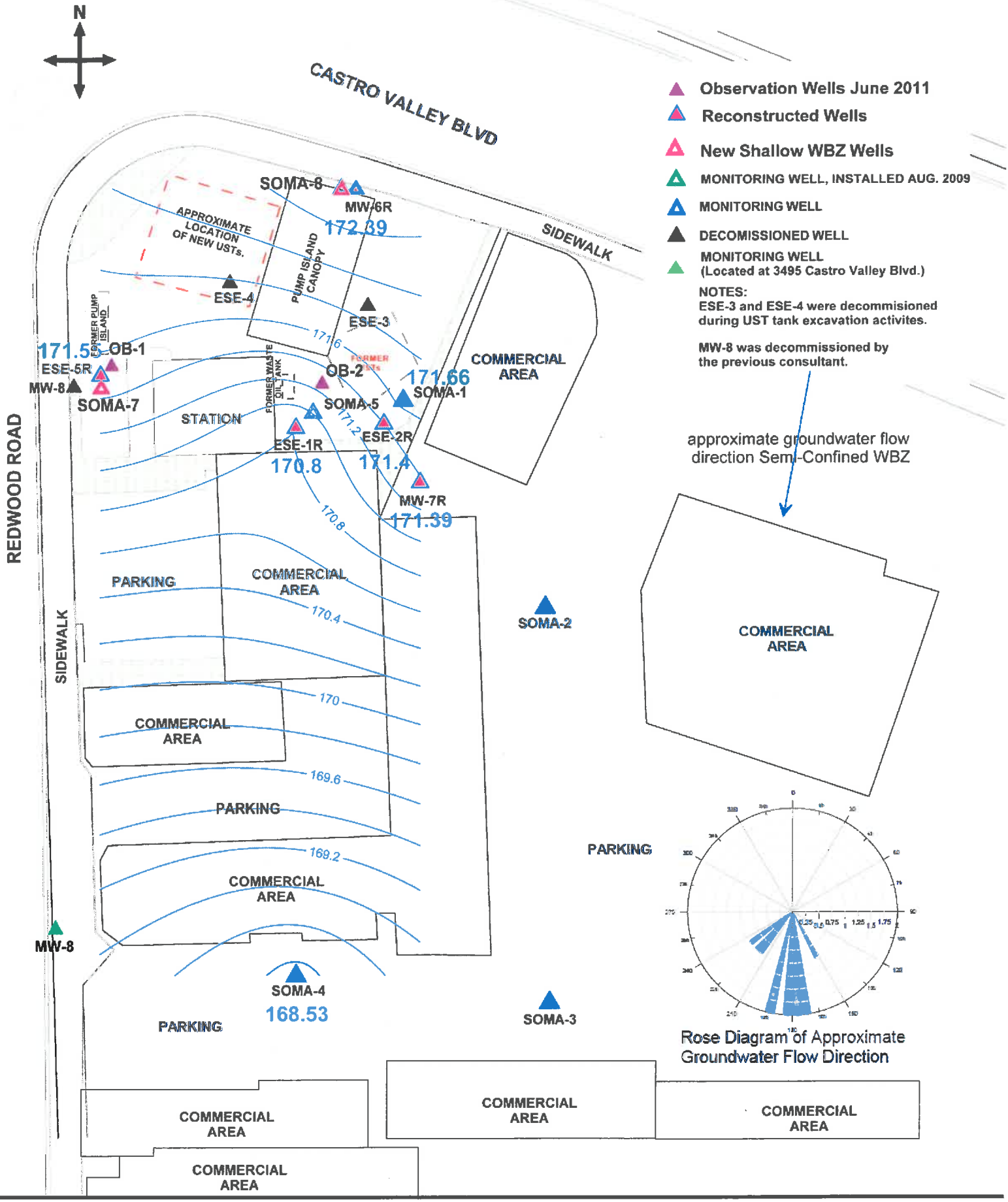


Figure 7: Groundwater Elevation Contour Map for Semi-Confined WBZ Wells in Feet. January 18, 2016

SOMA ENVIRONMENTAL ENGINEERING, INC.

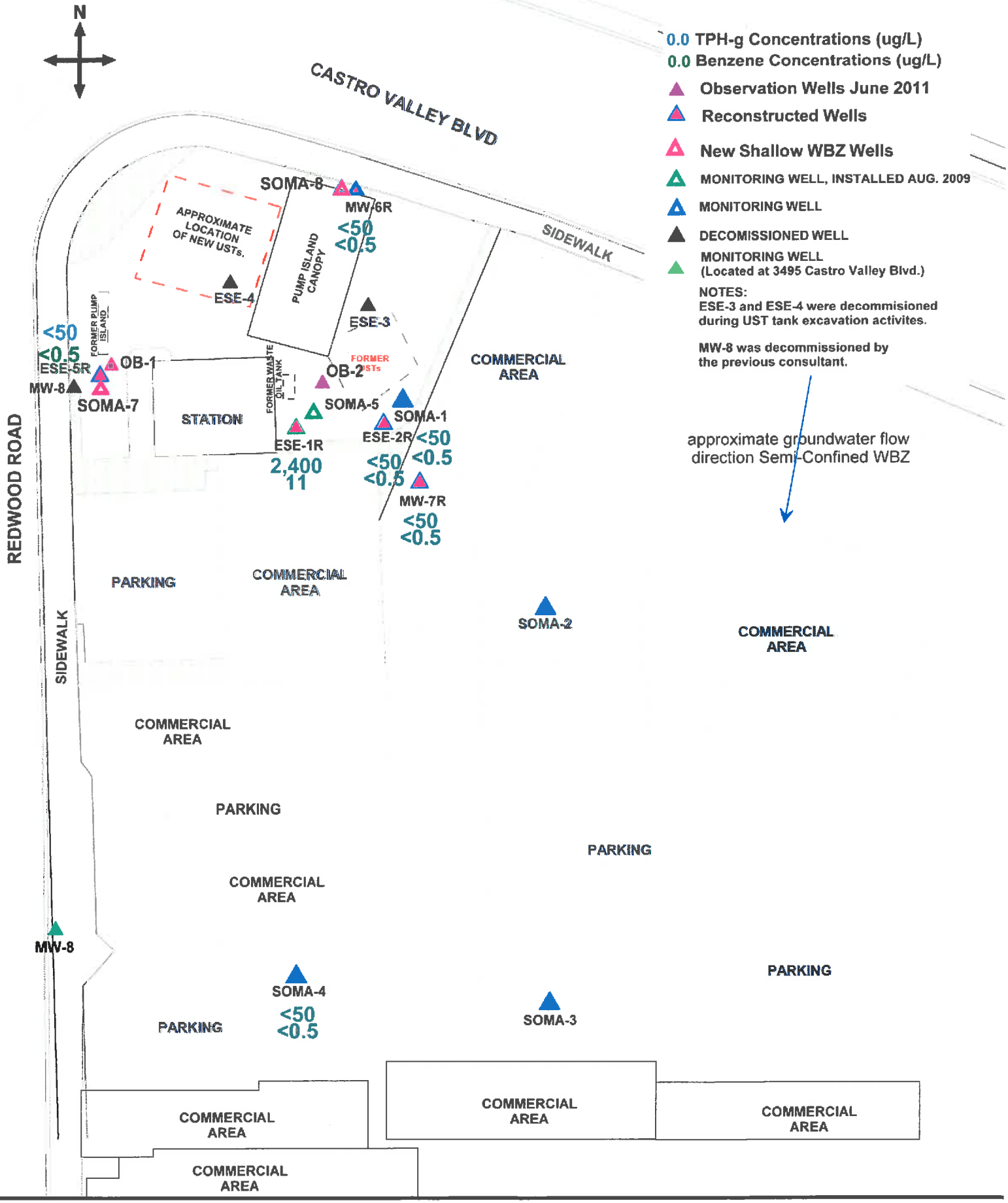


Figure 8: Map of TPH-g and Benzene Concentrations in Semi-Confined WBZ Wells. January 18 and 19, 2016

ENVIRONMENTAL ENGINEERING, INC.

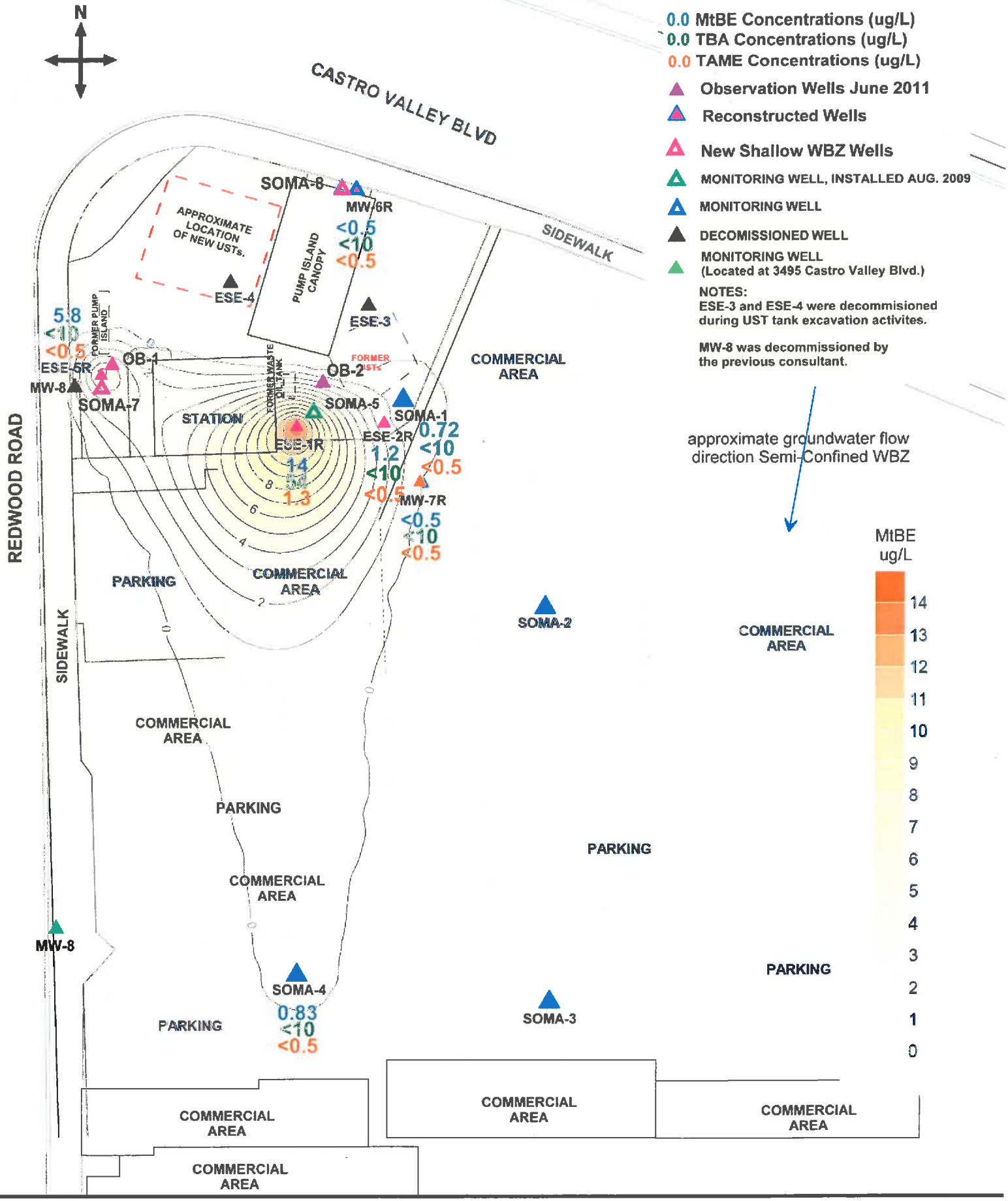


Figure 9: Contour Map of MtBE and Map of TBA and TAME Concentrations in Semi-Confined WBZ Wells.
January 18 and 19, 2016

ENVIRONMENTAL ENGINEERING, INC.

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
Semi-Confined WBZ Wells											
ESE-1	10/5/1992	177.69	11.22	166.47	-	2,100	370	150	17	110	NA
	10/5/1992	177.69	NM	NM	-	2,300	370	160	16	110	NA
	4/1/1993	177.69	8.79	168.90	-	5,900	1500	410	110	390	NA
	6/29/1993	177.69	10.34	167.35	-	7,600	2900	390	130	460	NA
	9/23/1993	177.69	10.91	166.78	-	2,000	490	40	20	56	600
	9/23/1993	177.69	NM	NM	-	1,500	420	39	19	56	550
	12/10/1993	177.69	9.93	167.76	-	1,800	480	42	19	66	921
	12/10/1993	177.69	NM	NM	-	1,500	380	38	17	55	770
	2/17/1994	177.69	9.64	168.05	-	1,900	380	48	24	80	585
	2/17/1994	177.69	NM	NM	-	2,200	430	42	19	65	491
	8/8/1994	177.69	11.72	165.97	-	2,100	450	46	16	50	760
	10/12/1994	177.69	10.48	167.21	-	760	240	16	51	39	230
	1/19/1995	177.69	7.77	169.92	-	840	600	120	22	58	NA
	5/2/1995	177.69	8.69	169.00	-	2,000	640	67	24	98	NA
	7/28/1995	177.69	10.12	167.57	-	190	<0.50	<0.50	<0.50	<1.0	NA
	11/17/1995	177.69	10.57	167.12	-	200	3.4	<1.0	1	<2.0	600
	2/7/1996	177.69	7.41	170.28	-	750	370	23	21	64	680
	4/23/1996	177.69	9.12	168.57	-	310	100	<1.0	<1.0	<1.0	1500
	7/9/1996	177.69	10.12	167.57	-	730	230	74	13	63	750
	10/10/1996	177.69	10.80	166.89	-	420	26	1.6	7.3	12	430
	1/20/1997	177.69	10.52	167.17	-	660	290	4.2	13	36	450
	4/25/1997	177.69	9.77	167.92	-	410	<0.5	<1.0	<1.0	<1.0	580
	7/18/1997	177.69	10.55	167.14	-	420	<0.5	<1.0	<1.0	<1.0	370
	10/27/1997	177.69	10.36	167.33	-	300	56	<1.0	6.5	<1.0	220
	1/22/1998	177.69	7.52	170.17	-	4,200	440	9	15	17.7	1300
	4/23/1998	177.69	8.80	168.89	-	15,000	3400	190	910	900	4900
	4/23/1998	177.69	NM	NM	-	15,000	2800	140	730	730	4400
	7/29/1998	177.69	9.73	167.96	-	NA	NA	NA	NA	NA	NA
	7/30/1998	177.69	NM	NM	-	15,000	<2.5	<5.0	<5.0	<5.0	15000
	12/17/1998	177.69	9.51	168.18	-	2,400	73	1	2.8	4.6	2000

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-1 cont.	3/19/1999	177.69	8.65	169.04	-	4,700	58	<1.0	<1.0	<1.0	4700
	6/23/1999	177.69	10.51	167.18	-	600	170	<1.0	7.2	5	3900
	9/27/1999	177.69	10.32	167.37	-	920	200	<25	<25	<25	4900
	12/9/1999	177.69	10.24	167.45	-	460	130	1.2	5.2	1.5	5100
	3/9/2000	177.69	7.72	169.97	-	3,000	1300	120	80	140	7300
	6/8/2000	177.69	9.40	168.29	-	2,900	540	9.7	20	17	5200
	9/18/2000	177.69	10.05	167.64	-	890	3.4	<0.5	1.4	<0.5	2800
	12/14/2000	177.69	8.20	169.49	-	1,600	11.1	<0.5	<0.5	<0.5	2730
	3/21/2001	177.69	9.75	167.94	-	5,700	2.28	<0.5	0.51	<1.5	6810
	6/18/2001	177.69	10.21	167.48	-	2,000	152	0.669	3.62	2.34	1980
	9/18/2001	177.69	10.30	167.39	-	2,500	57.1	<5.0	6.25	<15	2090
	12/13/2001	177.69	9.82	167.87	-	2,800	208	6.05	8.54	9.66	2030
	3/14/2002	177.69	9.10	168.59	-	1,800	140	6.31	4.5	9.41	1970
	6/19/2002	177.69	9.92	167.77	-	1,100	220	2.02	4.23	3.8	1280
	9/10/2002	177.69	10.21	167.48	-	490	39	2.9	<2.0	4.9	670
	12/16/2002	177.69	8.56	169.13	-	730	140	6	3.2	9.1	670
	3/11/2003	177.69	9.40	168.29	-	1,700	490	21	22	41	530
	6/17/2003	177.69	9.86	167.83	-	1,300	140	<10	<10	<10	480
	12/9/2003	177.69	9.32	168.37	-	1,400	390	12	14	26.1	260
	2/28/2004	177.69	7.71	169.98	-	3,200	880	50	44	89	200
	5/21/2004	177.69	10.19	167.50	-	1,500	370	10	14	25.2	140
	8/10/2004	180.24	10.41	169.83	-	460	390	7	8.1	15.4	110
	10/19/2004	180.24	10.40	169.84	-	1,600	490	13	12	25.3	110
	1/14/2005	180.24	8.26	171.98	-	790 Z	420	26	19	52	91
	4/14/2005	180.24	8.77	171.47	-	3,020	766	25.6	21.3	25.26	88.2
	7/7/2005	180.24	9.94	170.30	-	1,940	440	15.5	15.7	21	80.6
	11/15/2005	180.24	10.21	170.03	-	1,260	259	6.2	8.2	10.81	45.8
	2/8/2006	180.24	9.01	171.23	-	1,430	332	13.6	18.1	25.03	43
	4/27/2006	180.24	9.14	171.10	-	1,600	519	23.2	32.4	40.20	63.4
	8/1/2006	180.24	9.92	170.32	-	1,530	395	11.8	25.4	28.01	40
	10/19/2006	180.24	10.34	169.90	-	1,230	327	10.2	21.6	21.19	29.6

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-1 cont.	1/12/2007	180.24	9.84	170.40	-	561	153	7.18	14.4	14.95	30.9
	4/17/2007	180.24	9.78	170.46	-	467	192	7.59	13.8	16.42	30.4
	7/17/2007	180.24	9.82	170.42	-	755	271	8.6	17.8	22.06	26.7
	10/16/2007	180.24	8.99	171.25	-	164	80.2	<2.0	5.24	2.47	16.6
	1/17/2008	180.24	9.35	170.89	-	70	10.8	<2.0	<0.5	<2.0	19.3
	4/17/2008	180.24	9.80	170.44	-	687	89.7	<2.0	4.01	5.30	8.79
	7/16/2008	180.24	10.17	170.07	-	1,400	223	3.88	12.6	17.88	18.1
	10/14/2008	180.24	10.86	169.38	-	540	95	2.7	7.7	18	15
	1/6/2009	180.24	10.10	170.14	-	500 [Y]	130	3	8.8	17.1	13
	4/6/2009	180.24	10.05	170.19	-	910 [Y]	230	2.4	11	12.1	17
	7/7/2009	180.24	10.42	169.82	-	850 [Y]	89	1.9	7.8	15.1	15
	1/27/2010	180.24	7.94	172.30	-	1,600	250	8.8	30	69	23
	7/26/2010	180.24	9.95	170.29	-	1,000	96	1.2	4.2	6	17
ESE-1R	8/30/2010	180.20	10.17	170.03	-	2,100	110	5.2	19	151	15
	11/16/2010	180.20	9.94	170.26	-	100	5.8	<0.5	1	<0.5	16
	2/15/2011	180.20	10.12	170.08	-	1,400	96	1.7	14	7.9	22
	7/19/2011	180.20	10.37	169.83	-	620	30	0.76	4.4	0.96	21
	1/18/2012	180.20	10.78	169.42	-	1,800 [Y]	18	<0.19	11	3.53	14
	7/10/2012	180.20	10.87	169.33	-	1,100 [Y]	16	1.1	9.8	1.70	23
	1/10/2013	180.20	9.59	170.61	No Sheen	69	1.1	<0.5	<0.5	<0.5	1.6
	7/9/2013	180.20	11.26	168.94	No Sheen	1,300	76	2.6	23	47.50	15
	1/30/2014	180.20	11.62	168.58	No Sheen	1,800	14	0.91	3.2	6.30	18
	7/25/2014	180.20	11.71	168.49	No Sheen	760	25	0.79	5.4	11.80	15
	1/19/2015	180.20	10.73	169.47	No Sheen	410	4.2	<0.5	<0.5	1.20	13
	7/21/2015	180.20	11.69	168.51	No Sheen	2,400	16	0.63	2.4	3.85	24
	1/18/2016	180.20	9.40	170.80	No Sheen	2,400	11	<0.5	2.1	3.77	14
ESE-2	10/5/1992	178.23	11.68	166.55	-	300	5.4	16	3.9	45	NA

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-2 cont.	4/1/1993	178.23	9.17	169.06	-	240	27	<0.5	17	2.6	123
	6/29/1993	178.23	10.88	167.35	-	1,700	260	24	110	23	NA
	6/29/1993	178.23	NM	NM	-	1,300	240	17	110	25	NA
	9/23/1993	178.23	11.56	166.67	-	240	3.1	0.5	0.6	2.5	643
	12/10/1993	178.23	10.48	167.75	-	250	2.4	2.4	1.5	11	940
	2/17/1994	178.23	10.06	168.17	-	900	<0.5	<0.5	<0.5	<0.5	930
	8/8/1994	178.23	11.11	167.12	-	750	<0.5	<0.5	<0.5	<0.5	1400
	10/12/1994	178.23	11.31	166.92	-	1,700	<0.5	<0.5	<0.5	<0.5	3000
	1/19/1995	178.23	8.25	169.98	-	300	2	0.9	0.7	1	NA
	5/2/1995	178.23	9.21	169.02	-	1,200	4	<2.5	<2.5	<5	NA
	7/28/1995	178.23	10.64	167.59	-	2,000	<2.5	<2.5	<2.5	<5	NA
	11/17/1995	178.23	11.13	167.10	-	3,600	<25	<25	<25	<50	12000
	11/17/1995	178.23	NM	NM	-	3,400	<25	<25	<25	<50	12000
	2/7/1996	178.23	7.94	170.29	-	450	<0.5	<1	<1	<1	2300
	4/23/1996	178.23	9.73	168.50	-	260	0.9	<1	<1	<1	8600
	7/9/1996	178.23	10.70	167.53	-	780	<2.5	<5	<5	<5	13393
	10/10/1996	178.23	11.39	166.84	-	2,900	<0.5	<1	<1	<1	12000
	1/20/1997	178.23	9.04	169.19	-	<250	<2.5	<5	<5	<5	13000
	4/25/1997	178.23	10.31	167.92	-	2,700	<0.5	<1	<1	<1	15000
	7/18/1997	178.23	11.02	167.21	-	11,000	<5	<10	<10	<10	11000
	10/27/1997	178.23	10.93	167.30	-	6,100	<2.5	<5.0	<5.0	<5.0	7100
	10/27/1997	178.23	NM	NM	-	6,600	<2.5	<5.0	<5.0	<5.0	7400
	1/22/1998	178.23	7.93	170.30	-	13,000	<0.5	<1	<1	<1	10000
	1/22/1998	178.23	NM	NM	-	13,000	<0.5	<1	<1	<1	10000
	4/23/1998	178.23	9.34	168.89	-	19,000	<5	<10	<10	<10	36000
	7/29/1998	178.23	10.29	167.94	-	NA	NA	NA	NA	NA	NA
	7/30/1998	178.23	NM	NM	-	19,000	<5	<10	<10	<10	36000
	12/17/1998	178.23	10.20	168.03	-	12,000	<5	<5	<5	<5	13000

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-2 cont	3/19/1999	178.23	9.02	169.21	-	18,000	160	<1	<1	<1	18000
	6/23/1999	178.23	9.99	168.24	-	280	<1	<1	<1	<1	16000
	9/27/1999	178.23	10.69	167.54	-	<500	<25	<25	<25	<25	12000
	12/9/1999	178.23	11.26	166.97	-	<50	<0.3	<0.3	<0.3	<0.6	12000
	3/9/2000	178.23	7.95	170.28	-	<50	1.6	<0.5	<0.5	<0.5	7900
	6/8/2000	178.23	9.66	168.57	-	1,600	<0.5	0.73	<0.5	2.2	9400
	12/14/2000	178.23	11.15	167.08	-	6,000	0.75	<0.5	<0.5	<0.5	11200
	3/21/2001	178.23	10.35	167.88	-	6,900	786	45.7	37.7	71.5	3790
	6/18/2001	178.23	11.24	166.99	-	6,400	<2.5	<2.5	<2.5	<7.5	9320
	9/18/2001	178.23	11.35	166.88	-	4,800	<12.5	<12.5	<12.5	<37.5	6960
	12/13/2001	178.23	10.97	167.26	-	59,000	0.592	<0.5	<0.5	<1	5940
	3/14/2002	178.23	10.13	168.10	-	4,500	76	<0.5	<0.5	<1	6660
	6/19/2002	178.23	10.91	167.32	-	250	<12.5	<12.5	<12.5	<25	4900
	9/10/2002	178.23	10.82	167.41	-	1,500	<5	<5	<5	6.3	3100
	12/16/2002	178.23	7.87	170.36	-	1,400	<5	<5	<5	<5	2400
	3/11/2003	178.23	10.24	167.99	-	2,800	<10	<10	<10	<10	4800
	6/17/2003	178.23	10.19	168.04	-	10,000	<100	<100	<100	<100	4400
	12/9/2003	178.23	9.97	168.26	-	<50	<0.5	<0.5	<0.5	<0.5	3400
	2/26/2004	178.23	7.89	170.34	-	<50	<0.5	<0.5	<0.5	<0.5	3000
	5/21/2004	178.23	10.70	167.53	-	<50	<0.5	<0.5	<0.5	<0.5	1100
	8/10/2004	180.79	10.99	169.80	-	<50	<0.5	<0.5	<0.5	<0.5	550
	10/19/2004	180.79	10.46	170.33	-	<50	<0.5	<0.5	<0.5	<0.5	410
	1/14/2005	180.79	8.66	172.13	-	<50	<8.3	<8.3	<8.3	<8.3	1200
	4/14/2005	180.79	9.38	171.41	-	<860	<2.15	<2.15	<2.15	<4.30	1020
	7/7/2005	180.79	10.46	170.33	-	<860	<2.15	<8.60	<2.15	<4.30	378
	11/15/2005	180.79	10.55	170.24	-	<50	<0.5	<2.0	<0.5	<1.0	210
	2/8/2006	180.79	9.46	171.33	-	<215	<2.15	<8.6	<2.15	<4.3	419
	4/27/2006	180.79	10.67	170.12	-	<100	1.71	<4.0	<1.0	<2.0	432
	8/1/2006	180.79	10.29	170.50	-	<100	2.83	<4.0	<1.0	<2.0	222
	10/19/2006	180.79	10.65	170.14	-	<50	0.8	<2.0	<0.5	<1.0	221

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-2 cont	1/12/2007	180.79	NM	NM	-	NA	NA	NA	NA	NA	NA
	4/17/2007	180.79	10.20	170.59	-	<50	3.17	<2.0	4.49	<2.0	158
	7/17/2007	180.79	10.31	170.48	-	<50	1.65	<2.0	<0.5	<2.0	105
	10/16/2007	180.79	9.22	171.57	-	<50	5.67	<2.0	<0.5	<2.0	73.9
	1/17/2008	180.79	9.88	170.91	-	<50.0	<0.50	<2.0	<0.50	<2.0	80.2
	4/17/2008	180.79	10.29	170.50	-	<50	<0.5	<2.0	<0.5	<2.0	45
	7/16/2008	180.79	10.64	170.15	-	<50	<0.5	<2.0	<0.5	<2.0	54
	10/14/2008	180.79	11.41	169.38	-	<50	<0.5	<0.5	<0.5	<0.5	41
	1/6/2009	180.79	10.60	170.19	-	<50	<0.5	<0.5	<0.5	<0.5	36
	4/6/2009	180.79	10.62	170.17	-	<50	<0.5	<0.5	<0.5	<0.5	30
	7/7/2009	180.79	10.92	169.87	-	<50	2.4	<0.5	<0.5	<0.5	32
	1/27/2010	180.79	8.36	172.43	-	<50	<0.5	<0.5	<0.5	<0.5	26
	7/26/2010	180.79	10.44	170.35	-	<50	<0.5	<0.5	<0.5	<0.5	13
ESE-2R	8/30/2010	180.70	10.61	170.09	-	200	0.93	<0.5	1.3	13.5	16
	11/16/2010	180.70	10.33	170.37	-	<50	<0.5	<0.5	<0.5	<0.5	18
	2/14/2011	180.70	10.50	170.20	-	<50	<0.5	<0.5	<0.5	<0.5	12
	7/19/2011	180.70	10.62	170.08	-	<50	<0.5	<0.5	<0.5	<0.5	8.3
	1/18/2012	180.70	10.92	169.78	-	<22	<0.33	<0.19	<0.15	<0.20	1.1
	7/10/2012	180.70	11.17	169.53	-	<50	<0.5	<0.5	<0.5	<0.5	5.1
	1/10/2013	180.70	10.00	170.70	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/9/2013	180.70	11.55	169.15	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	2.9
	1/29/2014	180.70	12.00	168.70	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.89
	7/25/2014	180.70	12.02	168.68	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.6
	1/19/2015	180.70	11.14	169.56	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/21/2015	180.70	12.00	168.70	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.6
	1/18/2016	180.70	9.30	171.40	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.2
ESE-3	10/5/1992	178.20	10.58	167.62	-	430	57	31	3.6	34	NA
	4/1/1993	178.20	8.14	170.06	-	2,400	460	220	74	210	NA
	6/29/1993	178.20	9.72	168.48	-	280	56	14	15	13	NA
	9/23/1993	178.20	10.46	167.74	-	72	13	3.5	1.7	4.1	NA
	12/10/1993	178.20	9.30	168.90	-	270	71	32	6.1	33	NA
	2/17/1994	178.20	8.97	169.23	-	520	140	10	20	33	5.74
	8/8/1994	178.20	10.02	168.18	-	<50	8.8	1.6	1.6	2.3	<5.0
	10/12/1994	178.20	10.32	167.88	-	470	190	6.4	15	18	<5.0

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Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-3 cont.	1/19/1995	178.20	7.40	170.80	-	330	260	27	21	20	NA
	5/2/1995	178.20	8.26	169.94	-	530	180	30	23	44	NA
	7/28/1995	178.20	9.54	168.66	-	<50	<0.50	<0.50	<0.50	<1	NA
	11/17/1995	178.20	10.04	168.16	-	<50	1.7	<0.50	<0.50	<1	<5.0
	2/7/1996	178.20	7.08	171.12	-	<50	8.6	<1	<1	<1	<10
	4/1/2396	178.20	8.79	169.41	-	<50	7.6	<1	<1	<1	65
	7/9/1996	178.20	10.09	168.11	-	<50	12	2.6	2	3.9	26
	10/10/1996	178.20	10.48	167.72	-	NA	NA	NA	NA	NA	NA
	10/11/1996	178.20	NM	NM	-	260	140	<1	<1	2.6	<10
	1/20/1997	178.20	8.65	169.55	-	<50	1.5	1.7	<1	<1	14
	4/25/1997	178.20	10.02	168.18	-	<50	<0.5	<1	<1	<1	14
	7/18/1997	178.20	10.66	167.54	-	10,000	1400	1400	300	1280	<250
	10/27/1997	178.20	9.83	168.37	-	<250	<2.5	<5.0	<5.0	36	<50
	1/22/1998	178.20	7.06	171.14	-	130	<0.5	<1.0	<1.0	<1.0	120
	4/23/1998	178.20	8.44	169.76	-	4,800	560	<10	15	<10	4000
	7/29/1998	178.20	9.27	168.93	-	NA	NA	NA	NA	NA	NA
	7/30/1998	178.20	NM	NM	-	1,800	6.2	<5.0	<5.0	<5.0	1700
	12/17/1998	178.20	9.15	169.05	-	600	54	<1.0	2.1	4.9	340/480
	3/19/1999	178.20	8.14	170.06	-	2,000	260	4.4	13	28	870
	6/23/1999	178.20	9.44	168.76	-	290	91	<1.0	8.3	16	240
	9/27/1999	178.20	9.69	168.51	-	130	35	<1.0	2.7	3.8	100
	12/9/1999	178.20	10.99	167.21	-	380	84	1.7	8.7	6.3	160
	3/9/2000	178.20	7.12	171.08	-	950	190	4.6	39	62	350
	6/8/2000	178.20	10.92	167.28	-	300	37	<0.5	2.3	1.3	400
	9/18/2000	178.20	11.12	167.08	-	920	140	1.3	15	4.8	170
	12/14/2000	178.20	9.70	168.50	-	320	64	<0.5	6.24	1.76	201
	3/21/2001	178.20	10.07	168.13	-	680	80.5	0.546	21.1	18.2	398
	6/18/2001	178.20	11.42	166.78	-	380	47	<0.5	3.11	<1.5	242
	9/18/2001	178.20	11.55	166.65	-	340	54.8	<0.5	4.36	<1.5	79.7
	12/13/2001	178.20	10.12	168.08	-	270	31.4	<0.5	1.31	2.24	129

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-3 cont.	3/14/2002	178.20	9.84	168.36	-	670	89.8	0.789	23.4	30.4	413
	6/19/2002	178.20	10.57	167.63	-	130	18.6	<0.5	<0.5	<1	166
	9/10/2002	178.20	9.90	168.30	-	88	12	<0.5	<0.5	<0.5	93
	12/16/2002	178.20	9.23	168.97	-	290	55	17	3.7	14	78
	3/11/2003	178.20	9.05	169.15	-	100	3.4	<0.5	0.54	<0.50	140
	6/17/2003	178.20	9.30	168.90	-	520	17	<5	5.3	<5	130
ESE-4	10/5/1992	177.73	10.33	167.40	-	98	7.2	1.3	1.1	6.1	NA
	4/1/1993	177.73	7.88	169.85	-	550	93	20	23	33	NA
	6/29/1993	177.66	8.33	169.33	-	150	23	0.6	5.4	0.5	54
	9/23/1993	177.66	10.05	167.61	-	110	14	1.7	3.2	4.6	NA
	12/10/1993	177.66	8.95	168.71	-	110	21	7.2	4.2	10	28.75
	2/17/1994	177.66	8.65	169.01		210	26	1.2	4.7	11	113
	8/8/1994	177.66	9.76	167.90	-	76	9.6	<0.5	2	<0.5	62
	10/12/1994	177.66	9.62	168.04	-	<50	<0.5	<0.5	<0.5	<0.5	44
	1/19/1995	177.66	6.97	170.69	-	140	56	14	24	23	NA
	5/2/1995	177.66	7.85	169.81	-	130	21	2.8	8.6	8.2	NA
	7/28/1995	177.66	9.20	168.46	-	<50	<0.5	<0.5	<0.5	<1	NA
	11/17/1995	177.66	9.68	167.98	-	<50	<0.5	0.6	<0.5	<1	18
	2/7/1996	177.66	6.59	171.07	-	100	2.6	<1	1.6	4.1	42
	4/23/1996	177.66	8.30	169.36	-	160	37	15	16	31	43
	7/9/1996	177.66	9.21	168.45	-	60	17	1.5	6.8	11.6	27
	10/10/1996	177.66	9.97	167.69	-	NA	NA	NA	NA	NA	NA
	10/11/1996	177.66	NM	NM	-	<50	<0.5	<1.0	<1.0	<1.0	18
	1/20/1997	177.66	7.68	169.98	-	<50	<0.5	<1.0	<1.0	<1.0	130
	4/25/1997	177.66	9.15	168.51	-	<250	<2.5	<5.0	<5.0	<5.0	<50
	7/18/1997	177.66	9.71	167.95	-	<50	15	<10	<10	<10	<100
	10/27/1997	177.66	9.38	168.28	-	<250	<2.5	<5.0	<5.0	<5.0	<50

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-4 cont.	1/22/1998	177.66	6.59	171.07	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1998	177.66	7.90	169.76	-	<250	<2.5	<5.0	<5.0	<5.0	<50
	7/29/1998	177.66	8.96	168.70	-	NA	NA	NA	NA	NA	NA
	7/30/1998	177.66	NM	NM	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	12/17/1998	177.66	8.32	169.34	-	NA	NA	NA	NA	NA	NA
	3/19/1999	177.66	7.71	169.95	-	NA	NA	NA	NA	NA	NA
	6/23/1999	177.66	8.78	168.88	-	NA	NA	NA	NA	NA	NA
	9/27/1999	177.66	9.27	168.39	-	NA	NA	NA	NA	NA	NA
	12/9/1999	177.66	9.21	168.45	-	NA	NA	NA	NA	NA	NA
	3/9/2000	177.66	6.82	170.84	-	NA	NA	NA	NA	NA	NA
	6/8/2000	177.66	8.72	168.94	-	NA	NA	NA	NA	NA	NA
	9/18/2000	177.66	8.72	168.94	-	NA	NA	NA	NA	NA	NA
	12/14/2000	177.66	8.61	169.05	-	NA	NA	NA	NA	NA	NA
	3/21/2001	177.66	8.61	169.05	-	NA	NA	NA	NA	NA	NA
	6/18/2001	177.66	9.24	168.42	-	NA	NA	NA	NA	NA	NA
	9/18/2001	177.66	9.35	168.31	-	NA	NA	NA	NA	NA	NA
	12/13/2001	177.66	8.53	169.13	-	NA	NA	NA	NA	NA	NA
	3/14/2002	177.66	8.44	169.22	-	NA	NA	NA	NA	NA	NA
	6/19/2002	177.66	10.97	166.69	-	NA	NA	NA	NA	NA	NA
	9/10/2002	177.66	9.27	168.39	-	NA	NA	NA	NA	NA	NA
	12/16/2002	177.66	6.90	170.76	-	NA	NA	NA	NA	NA	NA
	3/11/2003	177.66	8.83	168.83	-	NA	NA	NA	NA	NA	NA
	6/17/2003	177.66	8.84	168.82	-	NA	NA	NA	NA	NA	NA
ESE-5	10/5/1992	176.08	9.22	166.86	-	1,300	200	3.8	1.2	18	NA
	4/1/1993	176.08	7.02	169.06	-	13,000	2200	26	730	1000	NA
	4/1/1993	176.08	NM	NM	-	13,000	2500	25	740	1100	NA
	6/29/1993	176.08	10.21	165.87	-	7,600	1500	9.3	170	100	NA
	9/23/1993	176.08	10.64	165.44	-	560	19	1.2	0.9	1.8	NA
	12/10/1993	176.08	9.42	166.66	-	1,700	300	3	76	110	14.07

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-5 cont.	2/7/1994	176.08	9.35	166.73	-	3,500	640	7.8	90	130	45.13
	8/8/1994	176.08	8.76	167.32	-	2,600	210	4.6	9.4	4.4	33
	8/8/1994	176.08	NM	NM	-	2,500	230	4.6	13	4.8	32
	10/12/1994	176.08	8.95	167.13	-	5,600	560	9.5	75	21	79.2
	10/12/1994	176.08	NM	NM	-	6,000	550	10	78	22	77
	1/19/1995	176.08	5.40	170.68	-	1,900	620	<5	95	15	NA
	1/19/1995	176.08	NM	NM	-	1,600	620	<5	93	17	NA
	5/2/1995	176.08	6.48	169.60	-	5,700	1100	<10	180	58	NA
	5/2/1995	176.08	NM	NM	-	5,300	1100	<10	180	58	NA
	7/28/1995	176.08	7.97	168.11	-	520	15	<0.50	1.7	1.3	NA
	7/28/1995	176.08	NM	NM	-	460	7.2	<0.50	1.9	1.5	NA
	11/17/1995	176.08	8.39	167.69	-	850	39	1.8	7.6	2.7	24
	2/7/1996	176.08	4.71	171.37	-	4,100	670	6	190	140	<50
	4/23/1996	176.08	7.35	168.73	-	3,000	570	<5	79	100	84
	7/9/1996	176.08	9.40	166.68	-	620	150	1.7	9.3	6.4	25
	10/10/1996	176.08	9.04	167.04	-	1,100	29	<5	<5	<5	<50
	10/10/1996	176.08	NM	NM	-	1,100	31	<5	<5	<5	<50
	1/20/1997	176.08	5.82	170.26	-	2,100	980	<25	280	80	<250
	1/20/1997	176.08	NM	NM	-	2,700	910	8.8	280	84	180
	4/25/1997	176.08	7.24	168.84	-	NA	NA	NA	NA	NA	NA
	4/28/1997	176.08	NM	NM	-	<250	7.9	<5.0	<5.0	<5.0	<50
	7/18/1997	176.08	7.86	168.22	-	1200	<5	<10	<10	<10	<100
	7/18/1997	176.08	NM	NM	-	630	31	<5.0	<5.0	<5.0	130
	10/27/1997	176.08	7.91	168.17	-	<250	5.4	<5.0	<5.0	<5.0	<50
	1/22/1998	176.08	4.64	171.44	-	170	7.7	<1.0	<1.0	<1.0	130
	4/23/1998	176.08	6.31	169.77	-	720	79	<5.0	9	<5.0	180
	7/29/1998	176.08	7.43	168.65	-	NA	NA	NA	NA	NA	NA
	7/30/1998	176.08	NM	NM	-	840	9.8	<1.0	4	<1.0	710
	12/17/1998	176.08	7.05	169.03	-	NA	NA	NA	NA	NA	NA

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-5 cont.	3/19/1999	176.08	5.00	171.08	-	<250	<5.0	<5.0	<5.0	<5.0	<5.0
	6/23/1999	176.08	7.77	168.31	-	NA	NA	NA	NA	NA	NA
	9/27/1999	176.08	8.11	167.97	-	450	10	<5.0	6.3	<5.0	220
	12/9/1999	176.08	7.66	168.42	-	NA	NA	NA	NA	NA	NA
	3/9/2000	176.08	5.08	171.00	-	1,700	170	2.5	45	6.4	140
	6/8/2000	176.08	7.36	168.72	-	NA	NA	NA	NA	NA	NA
	9/18/2000	176.08	7.71	168.37	-	130	0.65	<0.50	0.71	<0.50	51
	12/14/2000	176.08	2.36	173.72	-	NA	NA	NA	NA	NA	NA
	3/21/2001	176.08	7.42	168.66	-	1,000	10.3	<2.5	11	<7.5	70.8
	6/18/2001	176.08	7.92	168.16	-	NA	NA	NA	NA	NA	NA
	9/18/2001	176.26	8.23	168.03	-	200	0.868	<0.50	0.55	<1.5	57.5
	12/13/2001	176.26	7.80	168.46	-	NA	NA	NA	NA	NA	NA
	3/14/2002	176.26	6.55	169.71	-	1,300	17.1	1.35	15.4	1.42	37.4
	6/19/2002	176.26	7.83	168.43	-	NA	NA	NA	NA	NA	NA
	9/10/2002	176.26	8.22	168.04	-	680	9.9	<5.0	<5.0	<5.0	44
	12/16/2002	176.26	6.58	169.68	-	NA	NA	NA	NA	NA	NA
	3/11/2003	176.26	6.77	169.49	-	2,100	14	<2.5	15	3	80
	6/17/2003	176.26	6.75	169.51	-	NA	NA	NA	NA	NA	NA
	9/17/2003	176.26	8.48	167.78	-	970	10 C	<0.5	<0.5	5.3	34
	12/9/2003	176.26	7.32	168.94	-	700	6.5	<0.5	3.1	2.7 C	34
	2/26/2004	176.26	5.21	171.05	-	2,400 H	41	2.8 C	18	2.4 C	29
	5/21/2004	176.26	7.50	168.76	-	1,500	2.6 C	<0.5	2.1 C	2.1 C	25
	8/10/2004	178.80	8.28	170.52	-	680	<0.5	<0.5	<0.5	<0.5	33
	10/19/2004	178.80	8.26	170.54	-	380	<0.5	<0.5	<0.5	1.4	39
	1/14/2005	178.80	5.16	173.64	-	2,400	18	1.4	22	2.1	26
	4/14/2005	178.80	6.13	172.67	-	4,800	7.75	1.26	14.3	<1.0	23.1
	7/7/2005	178.80	7.52	171.28	-	3,240	0.78	<2.0	1.18	<1.0	36.6
	11/15/2005	178.80	7.85	170.95	-	1,190	0.51	<2.0	<0.5	<1.0	30

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Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-5 cont.	2/8/2006	178.80	5.83	172.97	-	2,510	1.91	<2.0	2.82	<1.0	20.7
	4/27/2006	178.80	5.71	173.09	-	4,700	2.76	<2.0	4.77	<1.0	28.3
	8/1/2006	178.80	7.71	171.09	-	1,890	0.7	<2.0	0.75	<1.0	24.7
	10/19/2006	178.80	8.00	170.80	-	474	<0.5	<2.0	3.39	<1.0	29
	1/12/2007	178.80	7.41	171.39	-	868	2.18	<2.0	2.66	<2.0	16.3
	4/17/2007	178.80	7.51	171.29	-	1,240	10.2	<2.0	10.4	2.37	17.2
	7/17/2007	178.80	7.47	171.33	-	836	3.1	<2.0	4.91	2.35	25.8
	10/16/2007	178.80	6.26	172.54	-	2,120	2.5	<2.0	6.19	2.61	17.5
	1/17/2008	178.80	6.59	172.21	-	2,730	5.74	<2.0	14.3	<2.0	13.1
	4/17/2008	178.80	6.81	171.99	-	2,770	4.7	<2.0	15.9	<2.0	<0.5
	7/16/2008	178.80	7.76	171.04	-	2,160	0.9	<2.0	1.1	<2.0	6.28
	10/14/2008	178.80	8.40	170.40	-	1,300	<0.5	<0.5	0.6	<0.5	9.9
	1/6/2009	178.80	7.66	171.14	-	1,100 [Y]	0.61	<0.5	1.6	<0.5	8
	4/6/2009	178.80	7.79	171.01	-	1,900 [Y]	4.6	<0.5	9.3	0.59	5.3
	7/7/2009	178.80	7.84	170.96	-	2,700 [Y]	3.0	<0.5	2.3	<0.5	6.6
	1/27/2010	178.80	4.82	173.98	-	1,300 [Y]	0.76	<0.5	1.0	<0.5	3.5
	7/26/2010	178.80	7.01	171.79	-	1,800	0.75	<0.5	1.8	<0.5	2
ESE-5R	8/30/2010	178.64	8.97	169.67	-	75	<0.5	<0.5	<0.5	<0.5	7.3
	11/16/2010	178.64	10.46	168.18	-	74	<0.5	<0.5	<0.5	<0.5	12
	2/15/2011	178.64	11.19	167.45	-	140	<0.5	<0.5	<0.5	<0.5	9.6
	7/19/2011	178.64	7.92	170.72	-	140	<0.5	<0.5	<0.5	<0.5	6.7
	1/18/2012	178.64	8.84	169.80	-	68 [Y]	<0.33	<0.19	<0.15	<0.2	7.3
	7/11/2012	178.64	8.85	169.79	-	<50	<0.5	<0.5	<0.5	<0.5	6.1
	1/10/2013	178.64	8.06	170.58	No Sheen	74	<0.5	<0.5	<0.5	<0.5	6.3
	7/9/2013	178.64	11.25	167.39	No Sheen	1,800	41.00	0.72	67.0	54.30	14
	1/30/2014	178.64	9.55	169.09	No Sheen	<50	<0.5	<0.5	<05	<0.5	6.8
	7/24/2014	178.64	9.56	169.08	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	6.3
	1/20/2015	178.64	8.11	170.53	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	5.9
	7/21/2015	178.64	9.67	168.97	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	4.4
	1/19/2016	178.64	7.09	171.55	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	5.8
MW-6	7/28/1995	179.24	10.00	169.24	-	<50	<0.50	<0.50	<0.50	<1.0	NA
	11/17/1995	179.24	10.44	168.80	-	<50	<0.50	<0.50	<0.50	<1.0	<5.0

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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-6 cont	2/7/1996	179.24	7.68	171.56	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1996	179.24	9.33	169.91	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/9/1996	179.24	10.10	169.14	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	10/10/1996	179.24	11.00	168.24	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	1/20/1997	179.24	8.70	170.54	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/25/1997	179.24	10.16	169.08	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/18/1997	179.24	10.66	168.58	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	10/27/1997	179.24	10.25	168.99	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	1/22/1998	179.24	7.76	171.48	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1998	179.24	9.10	170.14	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/29/1998	179.24	10.40	168.84	-	NA	NA	NA	NA	NA	NA
	7/30/1998	179.24	NM	NM	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	12/17/1998	179.24	9.40	169.84	-	NA	NA	NA	NA	NA	NA
	3/19/1999	179.24	9.10	170.14	-	NA	NA	NA	NA	NA	NA
	6/23/1999	179.24	9.79	169.45	-	NA	NA	NA	NA	NA	NA
	9/27/1999	179.24	10.10	169.14	-	NA	NA	NA	NA	NA	NA
	12/9/1999	179.24	9.97	169.27	-	NA	NA	NA	NA	NA	NA
	3/9/2000	179.24	8.56	170.68	-	NA	NA	NA	NA	NA	NA
	6/8/2000	179.24	9.11	170.13	-	NA	NA	NA	NA	NA	NA
	9/18/2000	179.24	9.77	169.47	-	NA	NA	NA	NA	NA	NA
	12/14/2000	179.24	9.17	170.07	-	NA	NA	NA	NA	NA	NA
	3/21/2001	179.24	9.82	169.42	-	NA	NA	NA	NA	NA	NA
	6/18/2001	179.24	10.19	169.05	-	NA	NA	NA	NA	NA	NA
	9/18/2001	179.24	10.25	168.99	-	NA	NA	NA	NA	NA	NA
	12/13/2001	179.24	9.75	169.49	-	NA	NA	NA	NA	NA	NA
	3/14/2002	179.24	9.53	169.71	-	NA	NA	NA	NA	NA	NA
	6/19/2002	179.24	9.87	169.37	-	NA	NA	NA	NA	NA	NA
	9/10/2002	179.24	9.49	169.75	-	NA	NA	NA	NA	NA	NA
	12/16/2002	179.24	8.39	170.85	-	NA	NA	NA	NA	NA	NA

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-6 cont	3/11/2003	179.24	9.40	169.84	-	NA	NA	NA	NA	NA	NA
	6/17/2003	179.24	9.71	169.53	-	NA	NA	NA	NA	NA	NA
	9/17/2003	179.24	10.21	169.03	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	12/9/2003	179.24	9.66	169.58	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/26/2004	179.24	7.83	171.41	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/21/2004	179.24	9.75	169.49	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	8/10/2004	181.80	10.28	171.52	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/19/2004	181.80	9.91	171.89	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/14/2005	181.80	8.40	173.40	-	<50	0.6	<0.5	<0.5	<0.5	<0.5
	4/14/2005	181.80	9.04	172.76	-	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	7/7/2005	181.80	9.94	171.86	-	<200	<0.5	<2.00	<0.5	<1.00	<0.5
	11/15/2005	181.80	9.98	171.82	-	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	2/8/2006	181.80	9.91	171.89	-	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	4/27/2006	181.80	9.54	172.26	-	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	8/1/2006	181.80	9.61	172.19	-	<50	<0.5	<2.0	<0.5	<1.0	0.51
	10/19/2006	181.80	10.23	171.57	-	<50	<0.5	<2.0	<0.5	<1.0	0.63
	1/12/2007	181.80	10.13	171.67	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/17/2007	181.80	10.22	171.58	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/17/2007	181.80	9.76	172.04	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/16/2007	181.80	9.82	171.98	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	1/17/2008	181.80	9.43	172.37	-	<50	<0.50	<2.0	<0.50	<2.0	<0.5
	4/17/2008	181.80	9.54	172.26	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/16/2008	181.80	9.80	172.00	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/14/2008	181.80	10.48	171.32	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/6/2009	181.80	10.01	171.79	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/6/2009	181.80	10.15	171.65	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/7/2009	181.80	10.28	171.52	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/27/2010	181.80	8.28	173.52	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2010	181.80	9.64	172.16	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-6R	8/30/2010	181.34	9.55	171.79	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/2010	181.34	9.32	172.02	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/14/2011	181.34	9.79	171.55	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/19/2011	181.34	9.60	171.74	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2012	181.34	10.08	171.26	-	<22	<0.33	<0.19	<0.15	<0.2	<0.38
	7/10/2012	181.34	10.30	171.04	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/9/2013	181.34	9.50	171.84	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/8/2013	181.34	10.29	171.05	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/29/2014	181.34	11.01	170.33	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/24/2014	181.34	11.00	170.34	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/19/2015	181.34	10.39	170.95	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/20/2015	181.34	10.98	170.36	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2016	181.34	8.95	172.39	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-7	7/28/1995	176.55	9.25	167.30	-	<50	0.54	0.54	<0.50	<1.0	NA
	11/17/1995	176.55	9.73	166.82	-	1100	<10	<10	<10	<20	4000
	2/7/1996	176.55	6.48	170.07	-	610	<0.50	<1.0	<1.0	<1.0	2500
	2/7/1996	176.55	NM	NM	-	280	<0.50	<1.0	<1.0	<1.0	2600
	4/23/1996	176.55	8.37	168.18	-	110	<0.50	<1.0	<1.0	<1.0	3500
	4/23/1996	176.55	NM	NM	-	230	<0.50	<1.0	<1.0	<1.0	3500
	7/9/1996	176.55	9.24	167.31	-	230	<0.50	<1.0	<1.0	<1.0	4296
	7/9/1996	176.55	NM	NM	-	220	<0.50	<1.0	<1.0	<1.0	4400
	10/10/1996	176.55	10.05	166.50	-	NA	NA	NA	NA	NA	NA
	10/11/1996	176.55	NM	NM	-	1600	<0.50	<1.0	<1.0	<1.0	3000
	1/20/1997	176.55	7.51	169.04	-	<50	0.63	<1.0	<1.0	<1.0	2600
	4/25/1997	176.55	8.79	167.76	-	NA	NA	NA	NA	NA	NA
	4/28/1997	176.55	NM	NM	-	1500	<0.50	<1.0	<1.0	<1.0	3600
	4/28/1997	176.55	NM	NM	-	7700	3500	<25	74	37	<250
	7/18/1997	176.55	9.50	167.05	-	1400	<0.50	<1.0	<1.0	<1.0	2600
	10/27/1997	176.55	9.19	167.36	-	420	<0.50	<1.0	<1.0	<1.0	560

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-7 cont.	1/22/1998	176.55	6.45	170.10	-	3100	<0.50	<1.0	<1.0	1.4	2300
	4/23/1998	176.55	8.02	168.53	-	3800	<0.50	<1.0	<1.0	<1.0	3800
	7/29/1998	176.55	8.88	167.67	-	NA	NA	NA	NA	NA	NA
	7/30/1998	176.55	NM	NM	-	500	<2.5	<5.0	<5.0	<5.0	<50
	7/30/1998	176.55	NM	NM	-	4700	<12	<25	<25	<25	4700
	12/17/1998	176.55	8.62	167.93	-	NA	NA	NA	NA	NA	NA
	3/19/1999	176.55	7.52	169.03	-	3800	<1.0	<1.0	<1.0	<1.0	3800
	6/23/1999	176.55	9.63	166.92	-	NA	NA	NA	NA	NA	NA
	9/27/1999	176.55	9.39	167.16	-	140	<10	<10	<10	<10	3800
	12/9/1999	176.55	9.94	166.61	-	NA	NA	NA	NA	NA	NA
	3/9/2000	176.55	6.72	169.83	-	<50	<0.50	<0.50	<0.50	<0.50	1400
	6/8/2000	176.55	7.38	169.17	-	NA	NA	NA	NA	NA	NA
	9/18/2000	176.55	9.18	167.37	-	190	<0.50	<0.50	<0.50	<0.50	580
	12/14/2000	176.55	8.13	168.42	-	NA	NA	NA	NA	NA	NA
	3/21/2001	176.55	8.98	167.57	-	1300	<0.50	<0.50	<0.50	<1.5	1460
	6/18/2001	176.55	9.68	166.87	-	NA	NA	NA	NA	NA	NA
	9/18/2001	176.55	9.80	166.75	-	<0.50	<0.50	<0.50	<0.50	<1.5	94.9
	12/13/2001	176.55	9.26	167.29	-	NA	NA	NA	NA	NA	NA
	3/14/2002	176.55	8.69	167.86	-	800	<0.50	<0.50	<0.50	<1.0	952
	6/19/2002	176.55	9.06	167.49	-	NA	NA	NA	NA	NA	NA
	9/10/2002	176.55	9.23	167.32	-	260	<2.0	<2.0	<2.0	<2.0	580
	12/16/2002	176.55	7.77	168.78	-	NA	NA	NA	NA	NA	NA
	3/11/2003	176.55	8.30	168.25	-	620	<2.5	<2.5	<2.5	<2.5	1100
	6/17/2003	176.55	9.51	167.04	-	NA	NA	NA	NA	NA	NA
	9/17/2003	176.55	9.52	167.03	-	<50	<0.5	<0.5	<0.5	<0.5	460
	12/9/2003	176.55	8.99	167.56	-	<50	<0.5	<0.5	<0.5	<0.5	420
	2/26/2004	176.55	6.55	170.00	-	<50	<0.5	<0.5	<0.5	<0.5	330
	5/21/2004	176.55	8.90	167.65	-	<50	<0.5	<0.5	<0.5	<0.5	630
	8/10/2004	179.11	9.58	169.53	-	<50	<0.5	<0.5	<0.5	<0.5	750
	10/19/2004	179.11	9.20	169.91	-	<50	<0.5	<0.5	<0.5	<0.5	550

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-7 cont.	1/14/2005	179.11	7.25	171.86	-	<50	<2.0	<2.0	<2.0	<2.0	250
	4/14/2005	179.11	7.94	171.17	-	<200	<0.5	<0.5	<0.5	<1.0	285
	7/7/2005	179.11	9.08	170.03	-	<400	<1.0	<4.0	<1.0	<2.0	452
	11/15/2005	179.11	9.14	169.97	-	<50	<0.5	<2.0	<0.5	<1.0	110
	2/8/2006	179.11	7.93	171.18	-	<50	<0.5	<2.0	<0.5	<1.0	101
	4/27/2006	179.11	8.40	170.71	-	<50	<0.5	<2.0	<0.5	<1.0	131
	8/1/2006	179.11	8.89	170.22	-	<50	<0.5	<2.0	<0.5	<1.0	68.6
	10/19/2006	179.11	9.44	169.67	-	<50	<0.5	<2.0	<0.5	<1.0	65.5
	1/12/2007	179.11	8.91	170.20	-	<50	<0.5	<2.0	<0.5	<2.0	38
	4/17/2007	179.11	8.58	170.53	-	<50	<0.5	<2.0	<0.5	<2.0	24.7
	7/17/2007	179.11	9.04	170.07	-	<50	2.07	<2.0	<0.5	<2.0	29.3
	10/6/2007	179.11	7.88	171.23	-	<50	0.88	<2.0	<0.5	<2.0	5.26
	1/17/2008	179.11	NM	NM	-	NA	NA	NA	NA	NA	NA
	4/17/2008	179.11	8.85	170.26	-	<50	1.87	<2.0	<0.5	<2.0	21.6
	7/16/2008	179.11	9.34	169.77	-	<50	<0.5	<2.0	<0.5	<2.0	11.4
	10/14/2008	179.11	10.06	169.05	-	<50	0.78	<0.5	<0.5	<0.5	12
	1/6/2009	179.11	9.12	169.99	-	<50	<0.5	<0.5	<0.5	<0.5	14
	4/6/2009	179.11	9.28	169.83	-	<50	<0.5	<0.5	<0.5	<0.5	13
	7/7/2009	179.11	9.59	169.52	-	<50	<0.5	<0.5	<0.5	<0.5	15
	1/27/2010	179.11	6.98	172.13	-	<50	<0.5	<0.5	<0.5	<0.5	6.3
	7/26/2010	179.11	9.11	170.00	-	<50	<0.5	<0.5	<0.5	<0.5	6
MW-7R	8/30/2010	179.14	9.39	169.75	-	<50	<0.5	<0.5	<0.5	<0.5	24
	11/16/2010	179.14	9.10	170.04	-	<50	<0.5	<0.5	<0.5	<0.5	4.9
	2/14/2011	179.14	9.26	169.88	-	<50	<0.5	<0.5	<0.5	<0.5	5.3
	7/19/2011	179.14	9.38	169.76	-	<50	<0.5	<0.5	<0.5	<0.5	2.8
	1/18/2012	179.14	9.70	169.44	-	<22	<0.33	<0.19	<0.15	<0.2	0.93
	7/10/2012	179.14	9.92	169.22	-	<50	<0.5	<0.5	<0.5	<0.5	3.4
	1/9/2013	179.14	8.75	170.39	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/8/2013	179.14	11.31	167.83	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	2.6
	1/29/2014	179.14	10.70	168.44	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.0
	7/25/2014	179.14	10.78	168.36	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.2
	1/19/2015	179.14	9.70	169.44	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/20/2015	179.14	10.55	168.59	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.9
	1/18/2016	179.14	7.75	171.39	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-8	7/28/1995	176.34	7.80	168.54	-	1,100	<2.5	<2.5	<2.5	<5.0	NA
	11/17/1995	176.34	8.29	168.05	-	8,300	75	5.3	670	240	140
	2/7/1996	176.34	4.99	171.35	-	2,300	33	<10	190	216	<100
	4/23/1996	176.34	6.09	170.25	-	2,000	390	<10	150	26	<250
QC-2	4/1/1993	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/29/1993	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/23/1993	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	NA
	12/10/1993	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/17/1994	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/8/1994	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/12/1994	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/19/1995	NM	NM	NM	-	<50	<0.5	<0.5	<0.5	<1.0	NA
	5/2/1995	NM	NM	NM	-	<50	<0.50	<0.50	<0.50	<1.0	NA
	7/28/1995	NM	NM	NM	-	<50	<0.50	<0.50	<0.50	<1.0	NA
	11/17/1995	NM	NM	NM	-	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	2/7/1996	NM	NM	NM	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1996	NM	NM	NM	-	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/9/1996	NM	NM	NM	-	<50	<0.5	<1.0	<1.0	<1.0	<10
SOMA-1	8/10/2004	180.95	11.53	169.42	-	84	<0.5	<0.5	1.5 C	2.2	2100
	10/19/2004	180.95	10.41	170.54	-	56	<0.5	<0.5	1.3 C	1.4 C	1600
	1/14/2005	180.95	9.68	171.27	-	58	<3.1	<3.1	<3.1	<3.1	330
	4/14/2005	180.95	9.37	171.58	-	<2200	<5.5	<5.5	<5.5	<11	668
	7/7/2005	180.95	10.21	170.74	-	<860	<2.15	<8.6	<2.15	<4.3	591
	11/15/2005	180.95	10.70	170.25	-	<50	<0.5	<2.0	1.1	<1.0	256
	2/8/2006	180.95	9.30	171.65	-	127	1.56	<2.0	3.23	3.12	176
	4/27/2006	180.95	9.64	171.31	-	81.6	1.14	<2.0	2.8	<1.0	189
	8/1/2006	180.95	10.25	170.70	-	<50	1.07	<2.0	1.46	<1.0	122
	10/19/2006	180.95	10.73	170.22	-	<50	0.68	<2.0	4.17	<1.0	116

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-1 cont.	1/12/2007	180.95	10.38	170.57	-	<50	<0.5	<2.0	<0.5	<2.0	68.7
	4/17/2007	180.95	10.09	170.86	-	<50	5.76	<2.0	4.33	2.59	33.4
	7/17/2007	180.95	10.35	170.60	-	<50	14.8	<2.0	4.63	3.32	39.4
	10/16/2007	180.95	9.71	171.24	-	<50	5.7	<2.0	<0.5	<2.0	14.2
	1/17/2008	180.95	10.01	170.94	-	<50	1.02	<2.0	<0.5	<2.0	12.8
	4/17/2008	180.95	10.17	170.78	-	<50	3.13	<2.0	<0.5	<2.0	12.8
	7/16/2008	180.95	10.63	170.32	-	<50	10.6	<2.0	<0.5	<2.0	15.8
	10/14/2008	180.95	11.36	169.59	-	<50	1.1	<0.5	<0.5	<0.5	15
	1/6/2009	180.95	10.81	170.14	-	<50	0.6	<0.5	<0.5	<0.5	14
	4/6/2009	180.95	10.69	170.26	-	<50	<0.5	<0.5	<0.5	<0.5	12
	7/7/2009	180.95	11.01	169.94	-	<50	0.57	<0.5	1.2	0.91	12
	1/27/2010	180.95	8.81	172.14	-	<50	<0.5	<0.5	<0.5	<0.5	9.9
	7/26/2010	180.95	10.49	170.46	-	<50	<0.5	<0.5	<0.5	<0.5	5.9
	11/16/2010	180.95	10.49	170.46	-	<50	<0.5	<0.5	<0.5	<0.5	7.0
	2/15/2011	180.95	10.64	170.31	-	<50	<0.5	<0.5	<0.5	<0.5	5.3
	7/19/2011	180.95	10.70	170.25	-	<50	2.3	<0.5	<0.5	<0.5	5.2
	1/18/2012	180.95	10.90	170.05	-	77 [Y]	<0.33	<0.19	<0.15	<0.2	4.0
	7/10/2012	180.95	11.25	169.70	-	<50	<0.5	<0.5	<0.5	<0.5	3.7
	1/10/2013	180.95	10.10	170.85	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	2.2
	7/8/2013	180.95	11.72	169.23	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	2.7
	1/29/2014	180.95	12.15	168.80	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.7
	7/25/2014	180.95	12.21	168.74	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.4
	1/19/2014	180.95	11.33	169.62	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.1
	7/20/2015	180.95	12.15	168.80	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.4
	1/18/2016	180.95	9.29	171.66	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.72
SOMA-4	8/10/2004	176.94	9.44	167.50	-	140	0.98	<0.5	7.8	<0.5	11
	10/19/2004	176.94	9.91	167.03	-	150	<0.5	<0.5	10	<0.5	8.8
	1/14/2005	176.94	8.36	168.58	-	500	3.7	<0.5	53	<0.5	7.6
	4/14/2005	176.94	7.89	169.05	-	<200	0.74	<0.5	3.21	<1.0	5.65
	7/7/2005	176.94	11.62	165.32	-	<200	<0.5	<2.0	0.56	<1.0	7.09
	11/15/2005	176.94	9.33	167.61	-	<50	<0.5	<2.0	<0.5	<1.0	8.6

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-4 cont	2/8/2006	176.94	9.18	167.76	-	55.8	<0.5	<2.0	0.85	<1.0	10.4
	4/27/2006	176.94	8.75	168.19	-	172	1.35	<2.0	8.83	<1.0	11.7
	8/1/2006	176.94	9.52	167.42	-	<50	0.52	<2.0	1.53	<1.0	14.1
	10/19/2006	176.94	9.51	167.43	-	<50	<0.5	<2.0	<0.5	<1.0	19.2
	1/12/2007	176.94	8.98	167.96	-	<50	<0.5	<2.0	<0.5	<2.0	20.4
	4/17/2007	176.94	8.96	167.98	-	<50	<0.5	<2.0	4.33	<2.0	15.8
	7/17/2007	176.94	9.31	167.63	-	<50	<0.5	<2.0	4.47	<2.0	13.3
	10/16/2007	176.94	8.96	167.98	-	<50	<0.5	<2.0	4.5	<2.0	8.57
	1/17/2008	176.94	8.84	168.10	-	<50	<0.5	<2.0	<0.5	<2.0	8.87
	4/17/2008	176.94	9.44	167.50	-	<50	<0.5	<2.0	<0.5	<2.0	1.22
	7/16/2008	176.94	9.52	167.42	-	<50	<0.5	<2.0	<0.5	<2.0	8.58
	10/14/2008	176.94	9.98	166.96	-	<50	<0.5	<0.5	<0.5	<0.5	9.7
	1/6/2009	176.94	9.29	167.65	-	<50	<0.5	<0.5	<0.5	<0.5	10
	4/6/2009	176.94	9.31	167.63	-	<50	<0.5	<0.5	<0.5	<0.5	5.3
	7/7/2009	176.94	9.54	167.40	-	<50	<0.5	<0.5	<0.5	<0.5	7
	1/27/2010	176.94	7.35	169.59	-	<50	<0.5	<0.5	<0.5	<0.5	5.1
	7/26/2010	176.94	9.13	167.81	-	220	<0.5	<0.5	<0.5	<0.5	2.3
	11/15/2010	176.94	8.85	168.09	-	75	<0.5	<0.5	<0.5	<0.5	2.5
	2/14/2011	176.94	8.92	168.02	-	<50	<0.5	<0.5	<0.5	<0.5	1.5
	7/19/2011	176.94	9.19	167.75	-	57	<0.5	<0.5	<0.5	<0.5	0.97
	1/18/2012	176.94	9.61	167.33	-	<22	<0.33	<0.19	<0.15	<0.2	1.2
	7/10/2012	176.94	9.71	167.23	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/9/2013	176.94	8.52	168.42	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.77
	7/8/2013	176.94	9.89	167.05	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.4
	1/29/2014	176.94	10.35	166.59	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.74
	7/24/2014	176.94	10.40	166.54	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	1.3
	1/19/2015	176.94	9.39	167.55	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.61
	7/20/2015	176.94	10.51	166.43	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.93
	1/18/2016	176.94	8.41	168.53	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.83
Shallow WBZ Wells											
SOMA-2	8/10/2004	178.99	10.69	168.30	-	<50	<0.5	<0.5	<0.5	<0.5	0.8
	10/19/2004	178.99	10.75	168.24	-	<50	<0.5	<0.5	<0.5	<0.5	2.4

Table 1
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3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-2 cont	1/14/2005	178.99	9.45	169.54	-	<50	<0.5	<0.5	<0.5	<0.5	1.1
	4/14/2005	178.99	10.46	168.53	-	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	7/7/2005	178.99	11.81	167.18	-	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	11/15/2005	178.99	12.02	166.97	-	<50	<0.5	<2.0	<0.5	<1.0	1.61
	2/8/2006	178.99	11.88	167.11	-	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	4/27/2006	178.99	10.95	168.04	-	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	8/1/2006	178.99	11.85	167.14	-	<50	<0.5	<2.0	<0.5	<1.0	1.11
	10/19/2006	178.99	10.62	168.37	-	<50	<0.5	<2.0	<0.5	<1.0	1.36
	1/12/2007	178.99	10.26	168.73	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/17/2007	178.99	11.88	167.11	-	<50	<0.5	<2.0	<0.5	<2.0	0.87
	7/17/2007	178.99	10.84	168.15	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/16/2007	178.99	9.69	169.30	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	1/17/2008	178.99	9.62	169.37	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/17/2008	178.99	10.06	168.93	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/16/2008	178.99	10.63	168.36	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/14/2008	178.99	11.26	167.73	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/6/2009	178.99	10.22	168.77	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/6/2009	178.99	10.38	168.61	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/7/2009	178.99	10.40	168.59	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/27/2010	178.99	8.19	170.80	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2010	178.99	10.24	168.75	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/2010	178.99	10.04	168.95	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/14/2011	178.99	9.95	169.04	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/19/2011	178.99	10.20	168.79	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2012	178.99	10.56	168.43	-	<22	<0.33	<0.19	<0.15	<0.2	<0.38
	7/10/2012	178.99	10.45	168.54	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/9/2013	178.99	9.63	169.36	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/8/2013	178.99	10.36	168.63	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/29/2014	178.99	11.36	167.63	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/24/2014	178.99	11.90	167.09	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/19/2014	178.99	10.09	168.90	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/20/2015	178.99	11.73	167.26	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2016	178.99	8.92	170.07	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
SOMA-3	8/10/2004	176.81	9.97	166.84	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/19/2004	176.81	9.59	167.22	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-3 cont.	1/14/2005	176.81	8.23	168.58	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/14/2005	176.81	8.64	168.17	-	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	7/7/2005	176.81	9.60	167.21	-	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	11/15/2005	176.81	10.01	166.80	-	<50	<0.5	<2.0	<0.5	<1.0	5.1
	2/8/2006	176.81	8.80	168.01	-	<50	<0.5	<2.0	<0.5	<1.0	7.16
	4/27/2006	176.81	9.00	167.81	-	<50	<0.5	<2.0	<0.5	<1.0	14.2
	8/1/2006	176.81	9.91	166.90	-	<50	<0.5	<2.0	<0.5	<1.0	7.29
	10/19/2006	176.81	10.21	166.60	-	<50	<0.5	<2.0	<0.5	<1.0	41.4
	1/12/2007	176.81	9.73	167.08	-	<50	<0.5	<2.0	<0.5	<2.0	20.9
	4/17/2007	176.81	9.81	167.00	-	<50	<0.5	<2.0	<0.5	<2.0	32.1
	7/17/2007	176.81	10.06	166.75	-	<50	<0.5	<2.0	<0.5	<2.0	23.6
	10/16/2007	176.81	9.54	167.27	-	<50	<0.5	<2.0	<0.5	<2.0	22.3
	1/17/2008	176.81	9.06	167.75	-	<50	<0.5	<2.0	<0.5	<2.0	11.1
	4/17/2008	176.81	9.57	167.24	-	<50	<0.5	<2.0	<0.5	<2.0	23.7
	7/16/2008	176.81	10.25	166.56	-	<50	<0.5	<2.0	<0.5	<2.0	10.6
	10/14/2008	176.81	10.76	166.05	-	<50	<0.5	<0.5	<0.5	<0.5	19
	1/6/2009	176.81	9.53	167.28	-	<50	<0.5	<0.5	<0.5	<0.5	1.1
	4/6/2009	176.81	9.65	167.16	-	<50	<0.5	<0.5	<0.5	<0.5	5.7
	7/7/2009	176.81	10.19	166.62	-	<50	<0.5	<0.5	<0.5	<0.5	6
	1/27/2010	176.81	7.80	169.01	-	<50	<0.5	<0.5	<0.5	<0.5	56
	7/26/2010	176.81	9.67	167.14	-	<50	<0.5	<0.5	<0.5	<0.5	9.8
	11/15/2010	176.81	9.35	167.46	-	<50	<0.5	<0.5	<0.5	<0.5	30
	2/14/2011	176.81	10.57	166.24	-	<50	<0.5	<0.5	<0.5	<0.5	32
	7/19/2011	176.81	9.74	167.07	-	<50	<0.5	<0.5	<0.5	<0.5	17
	1/18/2012	176.81	10.14	166.67	-	<22	<0.33	<0.19	<0.15	<0.2	24
	7/10/2012	176.81	9.99	166.82	-	<50	<0.5	<0.5	<0.5	<0.5	1.6
	1/9/2013	176.81	8.86	167.95	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	6.9
	7/8/2013	176.81	10.56	166.25	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	2
	1/29/2014	176.81	10.69	166.12	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.52
	7/24/2014	176.81	11.03	165.78	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/19/2015	176.81	9.90	166.91	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/20/2015	176.81	10.87	165.94	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2016	176.81	8.15	168.66	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	0.81

Table 1
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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-5	1/27/2010	180.31	7.94	172.37	-	14,000	2,600	1.5	800	914	190
	7/26/2010	180.31	9.99	170.32	-	14,000	3,300	<20	1,100	1,340	150
	11/15/2010	180.31	10.01	170.30	-	11,000	2,400	3.3	920	733	130
	2/15/2011	180.31	10.22	170.09	-	4,900	1,600	<13	430	84	94
pre-MPE	6/16/2011	180.31	NM	NC	-	6,400	2,500	<20	670	160	150
	7/19/2011	180.31	9.95	170.36	-	1,300	470	<3.6	<3.6	212	8.8
	1/18/2012	180.31	10.16	170.15	-	600 [Y]	160	<0.19	27	<0.2	6.5
	7/10/2012	180.31	10.16	170.15	-	<50	3.8	<0.5	<0.5	<0.5	4.6
	1/10/2013	180.31	9.21	171.10	No Sheen	180	25.0	<0.5	28	<0.5	3.9
	7/9/2013	180.31	10.98	169.33	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	4.8
	1/30/2014	180.31	11.67	168.64	No Sheen	<50	2.4	<0.5	<0.5	<0.5	10
	7/25/2014	180.31	11.70	168.61	No Sheen	100	56	<0.5	1.1	4.06	11
	1/20/2015	180.31	9.82	170.49	No Sheen	470	61	<0.5	12	28	3.6
	7/21/2015	180.31	11.07	169.24	No Sheen	250	14	<0.5	2.90	0.91	7.3
	1/19/2016	**180.31**	**9.49**	**170.82**	**Rainbow Sheen**	**9,500**	**570**	**<5.0**	**80**	**81**	**8.8**
SOMA-7	8/30/2010	178.54	7.63	170.91	-	2,900	190	3.7	74	19.80	8.4
	11/16/2010	178.54	7.89	170.65	-	1,500	190	2.1	41	8.30	5.7
	2/15/2011	178.54	7.33	171.21	-	1,900	380	4	27	5.50	5.2
pre-MPE	6/16/2011	178.54	NM	NC	-	1,900	330	4.3	24	5.20	4.7
	7/19/2011	178.54	7.89	170.65	-	7,600	1,100	15	200	61	12
	1/18/2012	178.54	8.74	169.80	-	1,300 [Y]	190	2.2	29	5.2	<1.7
	7/11/2012	178.54	8.66	169.88	-	5,600	390	5.5	45	9.1	5.2
	1/10/2013	178.54	6.72	171.82	Rainbow Sheen	4,400	500	8.9	66	11	4.1
	7/9/2013	178.54	9.05	169.49	Rainbow Sheen	2,800	420	6.5	51	6	4.5
	1/30/2014	178.54	9.44	169.10	Rainbow Sheen	2,400	270	5.1	21	4.3	4.4
	7/24/2014	178.54	9.57	168.97	No Sheen	3,000	310	6.3	13	5.1	4.1
	1/20/2015	178.54	8.43	170.11	Rainbow Sheen	3,400	410	7.4	35	6.7	4.9
	7/21/2015	178.54	9.61	168.93	Rainbow Sheen	2,900	230	5.4	6.4	2.9	3.9
	1/19/2016	**178.54**	**6.32**	**172.22**	**Rainbow Sheen**	**6,900**	**680**	**10**	**39**	**11**	**2.9**
SOMA-8	8/30/2010	181.57	9.89	171.68	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/2010	181.57	9.37	172.20	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-8 cont.	2/14/2011	181.57	9.89	171.68	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/19/2011	181.57	9.87	171.90	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2012	181.57	10.29	171.28	-	<22	<0.33	<0.19	<0.15	<0.2	<0.38
	7/10/2012	181.57	10.31	171.26	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/9/2013	181.57	9.62	171.95	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/8/2013	181.57	10.09	171.48	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/29/2014	181.57	10.96	170.61	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/24/2014	181.57	11.04	170.53	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/19/2015	181.57	10.44	171.13	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/20/2015	181.57	11.06	170.51	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2016	181.57	9.06	172.51	No Sheen	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OB-1 pre-MPE	6/16/2011	178.7	NM	NC	-	1,900	9.3	<0.5	3.7	5.80	23
	7/19/2011	178.7	7.89	170.81	-	250	1.9	<0.5	0.63	0.78	4.1
	1/18/2012	178.7	8.72	169.98	-	2,400 [Y]	12	<0.19	3.0	6.35	16
	7/11/2012	178.7	7.96	170.74	-	2,100 [Y]	12	0.5	0.7	2.50	18
	1/10/2013	178.7	6.58	172.12	No Sheen	500	<0.5	<0.5	1.1	1.20	6.8
	7/9/2013	178.7	8.59	170.11	No Sheen	2,200	17	<0.5	2.7	8.36	23
	1/30/2014	178.7	9.42	169.28	No Sheen	1,600	1.1	<0.5	<0.5	1.30	17
	7/24/2014	178.7	9.61	169.09	No Sheen	2,400	7.4	<0.5	<0.5	2.00	23
	1/20/2014	178.7	8.41	170.29	No Sheen	1,600	4.8	<0.5	11	8.36	19
	7/21/2015	178.7	9.65	169.05	No Sheen	2,700	3.2	<0.5	<0.5	1.40	20
	1/19/2016	178.7	6.67	172.03	No Sheen	4,500	7.5	<0.5	40	19.84	20
OB-2 pre-MPE	6/16/2011	180.23	NM	NC	-	12,000	870	18	590	1,140	310
	7/19/2011	180.23	9.76	170.47	-	30,000	1,000	31	1,300	3,020	310
	1/18/2012	180.23	9.92	170.31	-	22,000 [Y]	930	13	1,300	2,100	<3.3
	7/11/2012	180.23	10.34	169.89	-	46,000	580	11	1,300	2,130	94
	1/10/2013	180.23	9.18	171.05	Rainbow Sheen	21,000	530	<7.1	980	1,258	79
	7/9/2013	180.23	10.65	169.58	Rainbow Sheen	1,600	42	<0.5	68	73.1	7.4
	1/30/2014	180.23	11.21	169.02	Rainbow Sheen	22,000	750	5.6	1,300	1,144	130
	7/25/2014	180.23	11.21	169.02	Rainbow Sheen	21,000	940	<10	1,300	848	120
	1/20/2015	180.23	9.10	171.13	Rainbow Sheen	14,000	540	<7.1	1,000	370	62
	7/21/2015	180.23	11.15	169.08	Rainbow Sheen	19,000	660	<7.1	1,000	390	79
	1/19/2016	180.23	9.08	171.15	Rainbow Sheen	19,000	370	<7.1	850	96	47

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Observed Sheen	TPH-g (µg/L) 8260B	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
Equipment Blanks											
EB-PMP	1/17/2008	NA	NA	NA	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
EB-PRB	1/17/2008	NA	NA	NA	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
EB-PMP2	1/17/2008	NA	NA	NA	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5
EB-PRB2	1/17/2008	NA	NA	NA	-	<50	<0.5	<2.0	<0.5	<2.0	<0.5

Notes:
< : Not detected above laboratory reporting limit.
1 Top of Casing Elevations were resurveyed by Kier & Wright Engineers Surveyors of Pleasanton, CA on June 21, 2004.

C: Presence confirmed, but RPD between columns exceeds 40%.
H: Heavier hydrocarbons contributed to the quantitation.
NA: Not Applicable/Not Analyzed. Due to construction activities in the Third Quarter 2003, which consisted of the replacement of the USTs and dispensers, wells ESE-1 & ESE-2 were inaccessible. Well ESE-2 also inaccessible during the First Quarter 2007. Well MW-7 had a car parked over it and was inaccessible during the First Quarter 2008 monitoring event
NM: Not Measured
Well ESE-2 was covered over with dirt during the First Quarter 2007 monitoring event.
Well MW-7 had a car parked over it and was inaccessible during the First Quarter 2008 monitoring event.
Equipment Blanks (EB-PRB & EB-PMP) were done to make sure decon efforts were adequate.
Z: Sample exhibits unknown single peak or peaks.
•The Third Quarter 2003 was the first time that SOMA analyzed groundwater samples at the site.
•The Third Quarter 2004 was the first time that SOMA analyzed groundwater samples at wells SOMA-1 to SOMA-4.
•August 2010, reconstruct ESE-1R, ESE-2R, ESE-5R, MW-6R, MW-7R; install SOMA-7, SOMA-8. 8/30/10 investigation sampling
•pre-MPE sampling condcuted on 6/16/2011 prior to start of MPE pilot testing from June 20 to July 1, 2011
•In July 2012, TPH-g was analyzed by method EPA 8015B due to laboratory error instead of EPA 8260B

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
Semi-Confined WBZ Wells								
ESE-1	6/17/2003	<400	<10	<10	18	NA	NA	NA
	9/17/2003	NA	NA	NA	NA	NA	NA	NA
	12/9/2003	290	<1.0	<1.0	9.5	<2,000	<1.0	<1.0
	2/26/2004	410	<0.5	<0.5	9.7	<1000	<0.5	<0.5
	5/21/2004	190	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	8/10/2004	180	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	10/19/2004	270	<0.7	<0.7	4.4	<1400	9.9	<0.7
	1/14/2005	280	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	4/14/2005	144	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	7/7/2005	119	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	11/15/2005	107	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	2/8/2006	181	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	4/27/2006	261	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	8/1/2006	165	<1.0	<1.0	<4.0	<2000	<1.0	<1.0
	10/19/2006	154	<1.0	<1.0	<4.0	<2000	<1.0	<1.0
	1/12/2007	103	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/17/2007	80.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	7/17/2007	128	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/16/2007	98.7	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/17/2008	61.5	<0.5	<0.5	2.52	<1000	<0.5	<0.5
	4/17/2008	76.4	<0.5	<0.5	<2.0	<1000	59.2	<0.5
	7/16/2008	179	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/14/2008	87	<0.5	<0.5	2.6	<1000	<0.5	<0.5
	1/6/2009	93	<1.0	<1.0	<1.0	<2000	<1.0	<1.0
	4/6/2009	130	<1.0	<1.0	<1.0	<2000	<1.0	<1.0
	7/7/2009	100	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	200	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	110	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
ESE-1R	8/30/2010	83	<0.71	<0.71	3.4	<1,400	<0.71	<0.71
	11/16/2010	84	<0.5	<0.5	0.94	<1,000	<0.5	<0.5
	2/15/2011	130	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	82	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	79	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	110	<0.5	<0.5	1.6	<1,000	<0.5	<0.5
	1/10/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/9/2013	51	<0.5	<0.5	0.95	<1,000	<0.5	<0.5
	1/30/2014	120	<0.5	<0.5	1.7	<1,000	<0.5	<0.5
	7/25/2014	66	<0.5	<0.5	1.3	<1,000	<0.5	<0.5
	1/19/2015	49	<0.5	<0.5	0.81	<1,000	<0.5	<0.5
	7/21/2015	77	<0.5	<0.5	0.56	<1,000	<0.5	<0.5
	1/18/2016	54	<0.5	<0.5	1.3	<1,000	<0.5	<0.5
ESE-2	6/17/2003	<4000	<100	<100	<100	NA	NA	NA
	9/17/2003	NA	NA	NA	NA	NA	NA	NA
	12/9/2003	500	<13	<13	77	<25,000	<13	<13
	2/26/2004	1200	<0.5	<0.5	92	<1,000	<0.5	<0.5
	5/21/2004	2400	<10	<10	25	<20,000	<10	<10
	8/10/2004	2300	<2.5	<2.5	12	<5,000	<2.5	<2.5
	10/19/2004	1800	<3.6	<3.6	8.6	<7100	<3.6	<3.6
	1/14/2005	470	<8.3	<8.3	28	<17,000	<8.3	<8.3
	4/14/2005	<10.8	<2.15	<2.15	17.9	<4,300	<2.15	<2.15
	7/7/2005	109	<2.15	<2.15	9.7	<4,300	<2.15	<2.15
	11/15/2005	64.7	<0.5	<0.5	3.43	<1,000	<0.5	<0.5

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
ESE-2 cont.	2/8/2006	46.4	<2.15	<2.15	11	<4,300	<2.15	<2.15
	4/27/2006	47.7	<1.0	<1.0	8.29	<2,000	<1.0	<1.0
	8/1/2006	20.6	<1.0	<1.0	4.67	<2,000	<1.0	<1.0
	10/19/2006	28.9	<0.5	<0.5	4.55	<1,000	<0.5	<0.5
	1/12/2007	NA	NA	NA	NA	NA	NA	NA
	4/17/2007	60.8	<0.5	<0.5	3.85	<1,000	<0.5	<0.5
	7/17/2007	62.3	<0.5	<0.5	2.95	<1,000	<0.5	<0.5
	10/16/2007	46	<0.5	<0.5	2.21	<1,000	<0.5	<0.5
	1/17/2008	18.8	<0.5	<0.5	3.38	<1,000	<0.5	<0.5
	4/17/2008	18.8	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	9.95	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	0.85	<1,000	<0.5	<0.5
	1/6/2009	27	<0.5	<0.5	0.83	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	18	<0.5	<0.5	0.56	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
ESE-2R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/10/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/25/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	6.8 J	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/21/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
ESE-3	6/17/2003	<200	<5.0	<5.0	<5.0	NA	NA	NA
ESE-5	9/17/2003	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	12/9/2003	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/26/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	5/21/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	8/10/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	17	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	8.7	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	15.4	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	11.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
ESE-5 cont.	1/17/2008	17.2	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	5.44	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
ESE-5R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/15/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.38	<0.4	<0.32	<100	<0.28	<0.19
	7/11/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/10/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/9/2013	18	<0.5	<0.5	1.0	<1,000	<0.5	<0.5
	1/30/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/20/2015	<2.2	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/21/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2016	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
MW-6	9/17/2003	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	12/9/2003	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/26/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	5/21/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	8/10/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-6R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	<2.2	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	**<10**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**
MW-7	9/17/2003	<10	<0.5	<0.5	9.8	<1,000	<0.5	<0.5
	12/9/2003	<25	<1.3	<1.3	8.1	<2,500	<1.3	<1.3
	2/26/2004	<10	<0.5	<0.5	9.9	<1,000	<0.5	<0.5
	5/21/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	8/10/2004	<25	<1.3	<1.3	19	<2,500	<1.3	<1.3
	10/19/2004	<100	<5.0	<5.0	11	<10,000	<5.0	<5.0
	1/14/2005	<40	<2.0	<2.0	5.1	<4,000	<2.0	<2.0
	4/14/2005	2.62	<0.5	<0.5	4.57	<1,000	<0.5	<0.5
	7/7/2005	55.6	<1.0	<1.0	10.2	<2,000	<1.0	<1.0
	11/15/2005	10.6	<0.5	<0.5	2.07	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	2.19	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	2.63	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	11.6	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	13.3	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	NA	NA	NA	NA	NA	NA	NA
	4/17/2008	8.63	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
MW-7R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/25/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	<2.2	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	**<10**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**

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Historical Groundwater Analytical Data
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3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-1	8/10/2004	2300	<6.3	<6.3	53	<13,000	<6.3	<6.3
	10/19/2004	2400	<13	<13	36	<25,000	<13	<13
	1/14/2005	530	<3.1	<3.1	7.1	<6,300	<3.1	<3.1
	4/14/2005	<27.5	<5.5	<5.5	<22	<11,000	<5.5	<5.5
	7/7/2005	2180	<2.15	<2.15	12.9	<4,300	<2.15	<2.15
	11/15/2005	792	<0.5	<0.5	5.01	<1,000	<0.5	<0.5
	2/8/2006	618	<0.5	<0.5	3.67	<1,000	<0.5	<0.5
	4/27/2006	983	<0.5	<0.5	3.48	<1,000	<0.5	<0.5
	8/1/2006	639	<0.5	<0.5	2.27	<1,000	<0.5	<0.5
	10/19/2006	603	<0.5	<0.5	2.25	<1,000	<0.5	<0.5
	1/12/2007	396	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	148	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	555	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	65	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	29.6	<0.5	<0.5	2.06	<1,000	<0.5	<0.5
	4/17/2008	339	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	264	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	250	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	180	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	120	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	250	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	310	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	68	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	84	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/15/2011	120	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	130	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	150	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	79	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/10/2013	22	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	11	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/25/2014	11	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	13	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
SOMA-4	8/10/2004	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	3.98	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	6.31	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5

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Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-4 contd	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	<2.2	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	**<10**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**
Shallow WBZ Wells								
SOMA-2	8/10/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	14.6	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	2.58	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	2.5 J	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	**<10**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**
SOMA-3	8/10/2004	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-3 cont.	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	6.72	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	7.6	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	9.96	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	6.05	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	0.8	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	<2.2	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	**<10**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**
SOMA-5	1/27/2010	500	<13	<13	<13	<25,000	<13	<13
	7/26/2010	<400	<20	<20	<20	<40,000	<20	<20
	11/15/2010	480	<2.0	<2.0	<2.0	<4,000	<2.0	<2.0
	2/15/2011	390	<13	<13	<13	<25,000	<13	<13
pre-MPE	6/16/2011	450	<20	<20	<20	NA	<20	<20
	7/19/2011	<71	<3.6	<3.6	<3.6	<7,100	<3.6	<3.6
	1/18/2012	11	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/10/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/30/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/25/2014	16	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/20/2015	9.1 J	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/21/2015	11	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2016	**<100**	**<5.0**	**<5.0**	**<5.0**	**<10,000**	**<5.0**	**<5.0**
SOMA-7	8/30/2010	<33	<1.7	<1.7	<1.7	<3,300	<1.7	<1.7
	11/16/2010	<25	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	2/15/2011	<25	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
pre-MPE	6/16/2011	<33	<1.7	<1.7	<1.7	NA	<1.7	<1.7
	7/19/2011	<25	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-7 cont.	1/18/2012	<6.6	<1.6	<1.7	<1.4	<440	<1.2	<0.86
	7/11/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/10/2013	<71	<3.6	<3.6	<3.6	<7,100	<3.6	<3.6
	7/9/2013	<83	<4.2	<4.2	<4.2	<8,300	<4.2	<4.2
	1/30/2014	<40	<2.0	<2.0	<2.0	<4,000	<2.0	<2.0
	7/24/2014	<50	<2.5	<2.5	<2.5	<5,000	<2.5	<2.5
	1/20/2015	14 J	<2.5	<2.5	<2.5	<5,000	<2.5	<2.5
	7/21/2015	<50	<2.5	<2.5	<2.5	<5,000	<2.5	<2.5
	1/19/2016	**<50**	**<2.5**	**<2.5**	**<2.5**	**<5,000**	**<2.5**	**<2.5**
SOMA-8	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/10/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/8/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/29/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2015	2.6 J	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/20/2015	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2016	**<10**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**
OB-1 pre-MPE	6/16/2011	20	<0.5	<0.5	<0.5	NA	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	7/11/2012	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/10/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/9/2013	11	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/30/2014	10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/24/2014	14	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/20/2015	18	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/21/2015	11	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/19/2016	**16**	**<0.5**	**<0.5**	**<0.5**	**<1,000**	**<0.5**	**<0.5**
OB-2 pre-MPE	6/16/2011	220	<5.0	<5.0	<5.0	NA	<5.0	<5.0
	7/19/2011	260	<10	<10	<10	<20,000	<10	<10
	1/18/2012	94	<3.2	<3.5	<2.8	<880	<2.4	<1.7
	7/11/2012	44	<0.5	<0.5	20	<1,000	0.6	<0.5
	1/10/2013	<140	<7.1	<7.1	<7.1	<14,000	<7.1	<7.1
	7/9/2013	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/30/2014	<100	<5.0	<5.0	<5.0	<10,000	<5.0	<5.0
	7/25/2014	<200	<10	<10	<10	<20,000	<10	<10
	1/20/2015	40 J	<7.1	<7.1	<7.1	<14,000	<7.1	<7.1
	7/21/2015	<140	<7.1	<7.1	<7.1	<14,000	<7.1	<7.1
	1/19/2016	**<140**	**<7.1**	**<7.1**	**<7.1**	**<14,000**	**<7.1**	**<7.1**
Equipment Blanks								
EB-PMP	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
EB-PRB	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
EB-PMP2	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
EB-PRB2	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)

Notes:
< : Not detected above laboratory reporting limit.
NA: Not Analyzed.
Well ESE-2 was inaccessible duirng the First Quarter 2007, dirt was covered over well
Well MW-7 had a car parked over it and was inaccessible during the First Quarter 2008 monitoring event.
The Third Quarter 2003 was the first time that SOMA analyzed groundwater samples at the Site.
The Third Quarter 2004 was the first time that SOMA analyzed groundwater samples at wells SOMA-1 to SOMA-4.

Gasoline Oxygenates:
TBA: tertiary butyl alcohol
DIPE: Isopropyl ether
ETBE: ethyl tertiary butyl ether
TAME: methyl tertiary amyl ether
Ethanol

Lead Scavengers:
1,2-DCA: 1,2-Dichloroethane
EDB: 1,2-Dibromoethane

August 2010, reconstruct ESE-1R, ESE-2R, ESE-5R, MW-6R, MW-7R; install SOMA-7, SOMA-8. 8/30/10 investigation sampling

Table 2

Historical Grab Groundwater Analytical Data

3519 Castro Valley Blvd., Castro Valley

Sample ID	Consultant	Sample Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	TBA (µg/L)
ESE-1	Alisto	7/28/1995	**190**	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA
ESE-2	Alisto	7/28/1995	**2,000**	NA	NA	<2.5	<2.5	<2.5	<5.0	NA	NA
ESE-3	Alisto	7/28/1995	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA
ESE-4	Alisto	7/28/1995	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA
ESE-5	Alisto	7/28/1995	**520**	NA	NA	**15**	<0.5	1.7	1.3	NA	NA
ESE-5 QC1	Alisto	7/28/1995	**460**	NA	NA	**7.2**	<0.5	1.9	1.5	NA	NA
MW-6	Alisto	7/28/1995	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-7	Alisto	7/28/1995	<50	NA	NA	0.54[E]	0.54	<0.5	<1.0	NA	NA
MW-8	Alisto	7/28/1995	**1,100**	NA	NA	<2.5	<2.5	<2.5	<5.0	NA	NA
S-10	Alisto	7/28/1995	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA
Ex. UST Pit	SOMA	9/4/2003	**1,300**	NA	NA	**110**	**220**	18	**171**	**14,000**	NA
ESE-3 WA	SOMA	10/3/2003	**110**	NA	NA	<5.0	<5.0	0.59	1.2	3.3	NA
TWB-1	SOMA	12/2/2003	<50	NA	NA	<0.5	<0.5	<0.5	0.8	**8.5**	NA
TWB-2	SOMA	12/2/2003	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	**89**	NA
TWB-3	SOMA	12/2/2003	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	**37**	NA
TWB-4	SOMA	12/2/2003	<50	NA	NA	<0.5	<0.5	<0.5	2.3	<0.5	NA
TWB-5	SOMA	12/2/2003	**32,000**	NA	NA	**500**	13	**540**	**1,150**	**9.5**	NA
B-4	Delta	8/28/2008	<50	NA	NA	<0.5	<1.0	<1.0	<2.0	<1.0	<10
B-5	Delta	8/28/2008	<50	NA	NA	<0.5	<1.0	<1.0	<2.0	<1.0	<10
B-6	Delta	8/28/2008	**900**	NA	NA	0.71	3.5	3.4	<2.0	<1.0	<10
MW-1[1]	Delta	10/28/2008	<50	NA	NA	<0.5	<1.0	<1.0	<2.0	**15**	**38**
MW-2[1]	Delta	10/28/2008	74	NA	NA	<0.5	<1.0	<1.0	<2.0	**51**	<10
MW-3[1]	Delta	10/28/2008	<50	NA	NA	<0.5	<1.0	<1.0	<2.0	**19**	<10
MW-4[1]	Delta	10/28/2008	<50	NA	NA	<0.5	<1.0	<1.0	<2.0	<1.0	<10
DP-1	SOMA	8/18/2009	**210 Y**	**140 Y**	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<10
DP-2	SOMA	8/17/2009	**130**	**340 Y**	**410**	<0.5	<0.5	3.7	<0.5	<0.5	<10
DP-3	SOMA	8/17/2009	<50	**330 Y**	**360**	<0.5	<0.5	<0.5	<0.5	1.9	<10

Table 2

Historical Grab Groundwater Analytical Data
3519 Castro Valley Blvd., Castro Valley

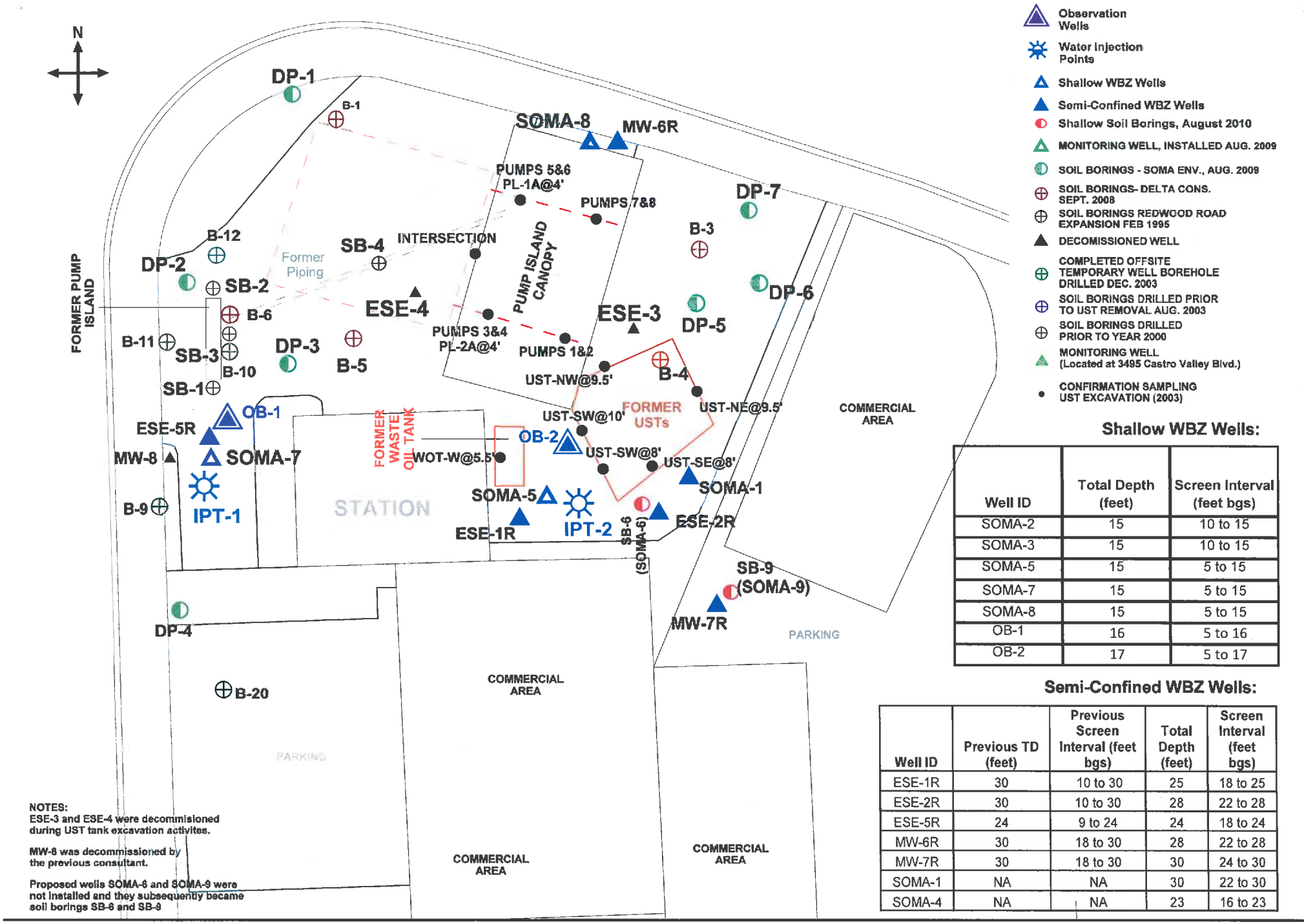
Sample ID	Consultant	Sample Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	TBA (µg/L)
DP-4	SOMA	8/17/2009	<50	**980 Y**	**570**	<0.5	<0.5	<0.5	<0.5	0.76	<10
DP-5	SOMA	8/18/2009	**640**	**240 Y**	<300	**8.9**	1.6	18	**71**	4.8	<10
DP-6	SOMA	8/18/2009	**1,600**	**470 Y**	<300	**18**	<0.5	**71**	**186**	<0.5	<10
DP-7	SOMA	8/18/2009	<50	**130 Y**	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<10
SOMA-5	SOMA	9/21/2009	**16,000**	NA	NA	**1,300**	<10	**420**	**2,360**	**120**	**510**
ESE-1R	SOMA	8/30/2010	**2,100**	**1,600 Y**	**560**	**110**	5.2	19	**151**	**15**	**83**
ESE-2R	SOMA	8/30/2010	**200**	**250 Y**	<300	0.93	<0.50	1.3	13.5	**16**	<10
ESE-5R	SOMA	8/30/2010	75	**190 Y**	<300	<0.5	<0.5	<0.5	<0.5	**7.3**	<10
MW-6R	SOMA	8/30/2010	<50	**110 Y**	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<10
MW-7R	SOMA	8/30/2010	<50	**200 Y**	**420**	<0.5	<0.5	<0.5	<0.5	**24**	<10
SOMA-7	SOMA	8/30/2010	**2,900**	**2,100 Y**	**330**	**190**	3.7	**74**	19.8	**8.4**	<33
SOMA-8	SOMA	8/30/2010	<50	69 Y	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<10
ESL - Drinking Water			**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**12**
ESL - Non-Drinking Water			**210**	**210**	**210**	**46**	**130**	**43**	**100**	**1,800**	**18,000**

Notes:

1: Wells designated by Delta, Correct designation for monitoring wells is: MW-1 is ESE-1, MW-2 is ESE-2, MW-3 is SOMA-1, MW-4 is MW-6

ESL - Environmental Screening Level, California Regional Water Control Board, Interim Final November 2007, revised May 2008

APPENDIX B
Boring Logs



Shallow WBZ Wells:

Well ID	Total Depth (feet)	Screen Interval (feet bgs)
SOMA-2	15	10 to 15
SOMA-3	15	10 to 15
SOMA-5	15	5 to 15
SOMA-7	15	5 to 15
SOMA-8	15	5 to 15
OB-1	16	5 to 16
OB-2	17	5 to 17

Semi-Confined WBZ Wells:

Well ID	Previous TD (feet)	Previous Screen Interval (feet bgs)	Total Depth (feet)	Screen Interval (feet bgs)
ESE-1R	30	10 to 30	25	18 to 25
ESE-2R	30	10 to 30	28	22 to 28
ESE-5R	24	9 to 24	24	18 to 24
MW-6R	30	18 to 30	28	22 to 28
MW-7R	30	18 to 30	30	24 to 30
SOMA-1	NA	NA	30	22 to 30
SOMA-4	NA	NA	23	16 to 23

NOTES:
ESE-3 and ESE-4 were decommisioned during UST tank excavation activites.

MW-8 was decommissioned by the previous consultant.

Proposed wells SOMA-6 and SOMA-9 were not installed and they subsequently became soil borings SB-6 and SB-9

approximate scale in feet
0 30 60

Figure 2A: Site map showing locations of newly installed observation wells and water injection borings.

SOMA ENVIRONMENTAL ENGINEERING, INC.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING SB-1

SEE SITE PLAN

ALISTO PROJECT NO: 10-138-03 DATE DRILLED: 07/19/95

CLIENT: BP Oil Company

LOCATION: 3519 Castro Valley Boulevard, Castro Valley, CA.

DRILLING METHOD: Hollow-stem auger (8"); 2" split-spoon sampler

DRILLING COMPANY: Soils Exploration Srvs. CASING ELEVATION: N/A

LOGGED BY: C. Ladd APPROVED BY: Al Sevilla

BLOWS/6 IN.	PID VALUES	WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							6" Concrete
8,10,10	1008	Neat Cement				CL	[redacted]Y: black, damp, very stiff; medium plasticity.
8,8,14	1998						Same: brown, damp, very stiff; Fe oxide stain; minor fines.
12,16,18	113		5			ML	[redacted] brown mottled gray, damp, hard; Fe oxide staining; minor fines; < 1% subrounded gravel to 1/4"-diameter.
8,14,20	334.2						Same: at 7 feet, root traces; calcium carbonate on fractures.
8,14,21	217		10			ML	[redacted]ed/brown mottled gray, damp, hard; Fe oxide stain; some very fine-grained sand; root traces present.
10,16,20	286						Same: at 11.5 feet.
16,18,23	10.3					CL	[redacted] brown mottled gray, damp, hard; root traces to approximately 3%.
15,18,21	8.4		15				Same: at 16.5 feet.
							Soil boring terminated at 18 feet.
			20				
			25				
			30				

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING SB-2

Page 1 of 1

SEE SITE PLAN

ALISTO PROJECT NO: 10-138-03 DATE DRILLED: 07/19/95

CLIENT: BP Oil Company

LOCATION: 3519 Castro Valley Boulevard, Castro Valley, CA.

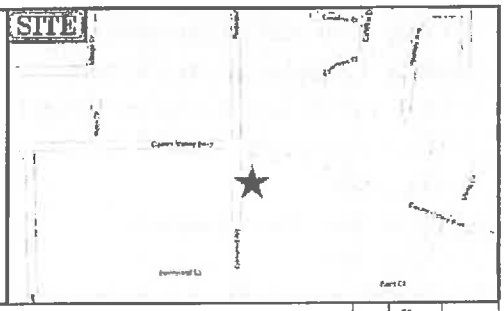
DRILLING METHOD: Hollow-stem auger (8"); 2" split-spoon sampler

DRILLING COMPANY: Soils Exploration Srvs. CASING ELEVATION: N/A

LOGGED BY: C. Ladd APPROVED BY: Al Seville

BLOWS/6 IN.	PID VALUES	WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							8" Concrete
15,18,21	3.3	Neat Cement				CL	[illegible] black, damp, very stiff; < 1% Fe oxide stain; low plasticity.
15,15,23	10.0					ML	[illegible] SILT: gray mottled brown, damp, hard; Fe oxide stain approximately 5%; minor fines; root traces present.
12,18,21	295.8		5				Same: gray with white calcium voids and red/brown, damp, hard; Fe oxide stain; root traces; minor fines.
18,14,20	222.1					ML	[illegible] red/brown, damp, hard; root traces; fine-grained sand; some clay.
13,16,18	3.4		10				[illegible] brown mottled gray, damp, hard; root traces to 4%; Fe oxide stain; some very fine-grained sand.
14,18,20	1.1						Same: at 11.5 feet.
19,21,21	0.3					CL	[illegible] CLAY: brown mottled gray, damp, hard; root traces to 1%; minor fines.
14,18,20	0		15				Same: at 15.5 feet.
							Soil boring terminated at 16 feet.
			20				
			25				
			30				

Drilling Started: 08/28/2008
Drilling Completed: 08/28/2008
Drilling Method and Diameter: **Direct Push; 2" diameter**
Drilling Company: **Cascade Drilling**
Drilled By:
Logged By: **Steve Harquail**
Boring: **B-6**



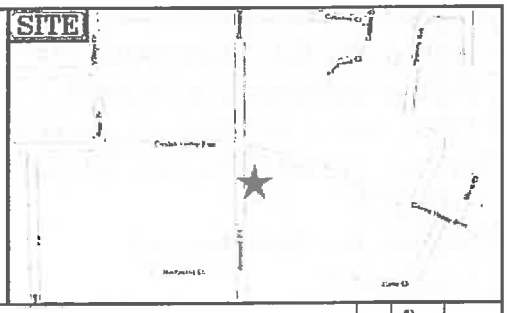
Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No Recovery – Air Knifed to 5 feet below ground surface (bgs)			
2							2
4				5.00'			4
6				*Clayey Silt: Dark brown/black, firm.*	ML		6
8				*Dark brown, hard, damp, with 5% sand.*			8
10		95	86.0				10
12				*Tan, brown/light tan mix, hard.*			12
14		40	0.0	*Damp* *With 5-10% sand* 15.00'			14
				Boring Terminated at 15 feet bgs.			

▼ Initial Water Level (Not Encountered)

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA	CASHL-BADW-A	SHELL FACILITY NO. 171445 3519 Castro Valley Blvd. Castro Valley, California	Soil Boring Log B-6	FIGURE
	10-03-2008 DRAWN 10-10-2008			
	CALIFORNIA CHK'D CRF APP'D A.D.			
	FILE NO. SH1445-B6			

Drilling Started: 08/28/2008
Drilling Completed: 08/28/2008
Drilling Method and Diameter: Direct Push; 2" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Steve Harquail
Boring: B-5



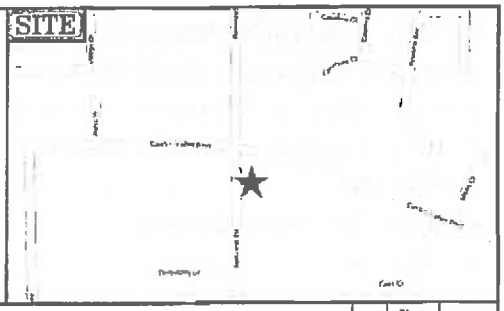
Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No Recovery – Air Knifed to 5 feet below ground surface (bgs)			
				5.00'			
				Clayey Silt: Dark brown, with 10% sand.	ML		
				Hard, dry.			
				Brown/tan/rust color mix.			
		80	0.0	*Dark brown, very hard.*			
				Brown, dry.			
		80	0.0	*Brown, very hard, dry, with 10% sand.*			
		70	0.0	21.00'			
	▼			*Silty Sand: Brown, damp.*	SM		
				22.00'			
				Sand: Brown, homogenous, wet.	SP		
				23.00'			
				Silty Clay: Brown/light tan, soft, dry.	CL		
		80	0.0	25.00'			
				Boring Terminated at 25 feet bgs.			

▼ Initial Water Level (22' bgs)

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA	CASHL-BADW-A 10-03-2008 DATE 10-10-2008 CALIFORNIA DRG CRF CHK A.D. FILE SH1445-B5	SHELL FACILITY NO. 171445 3519 Castro Valley Blvd. Castro Valley, California	Soil Boring Log B-5	FIGURE

Drilling Started: **08/28/2008**
Drilling Completed: **08/28/2008**
Drilling Method and Diameter: **Direct Push; 2" diameter**
Drilling Company: **Cascade Drilling**
Drilled By:
Logged By: **Steve Harquail**
Boring: **B-4**



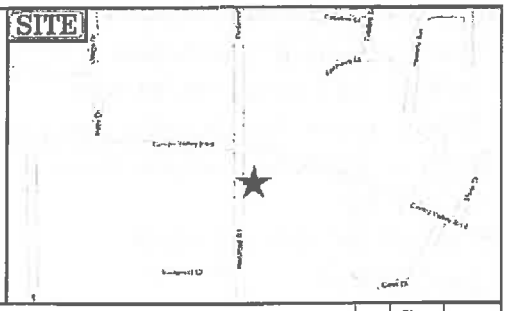
Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No Recovery – Air Knifed to 5 feet below ground surface (bgs)			
2							2
4				5.00'			4
				Sandy Silt: Blackish, hard.	ML		
6							6
8							8
			0.0				
10		95		*Gravel 1", cobbles 1.25", light tan/light gray, damp/wet.* 10.00'			10
				Boring terminated at 10 feet bgs.			

▼ Initial Water Level (Not Encountered)

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA	CASHL-BADW-A 10-03-2008 / 10-10-2008 CALIFORNIA / CRF / A.D. SH1445-B4	SHELL FACILITY NO. 171445 3519 Castro Valley Blvd. Castro Valley, California	Soil Boring Log B-4	FIGURE

Drilling Started: 08/28/2008
Drilling Completed: 08/28/2008
Drilling Method and Diameter: **Direct Push; 2" diameter**
Drilling Company: **Cascade Drilling**
Drilled By:
Logged By: **Steve Harquail**
Boring: **B-3**



Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No Recovery – Air Knifed to 5 feet below ground surface (bgs)			
				5.00'			
				Sandy Silt: Dark brown/black mix, hard.	ML		
				6.50'			
				Clayey Silt: Brown, with 3% sand.	ML		
		100	0.0	*With 20% greenish color.*			
				Greenish-brown, hard, dry.			
			83.0				
				Medium to low plasticity.			
		100	6.3	15.00'			
				Sandy Silt: Tan/light tan/reddish, hard, dry.	ML		
				Tan, homogenous, firm, dry.			
		85	0.0	20.00'			
				Boring terminated at 20 feet bgs.			

▼ Initial Water Level (Not Encountered)

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA	CASHL-BADW-A 10-03-2008 DATE 10-10-2008 CALIFORNIA STATE D-BY CRF R-BY A.D. FILE SH1445-B3	SHELL FACILITY NO. 171445 3519 Castro Valley Blvd. Castro Valley, California	Soil Boring Log B-3	FIGURE

ESE-1

Environmental Science & Engineering, Inc.

BORING LOG AND WELL COMPLETION SUMMARY

[redacted]

Page 1 of 1

WELL COMPLETION

Completion Depth: 30 Feet

Size/Type	From	To
Casing: 2" Diam. Sched. 40 PVC	10 Feet	0 Feet
Screen: 2" Diam. Sched. 40 Slotted (0.02") PVC	30 Feet	10 Feet
Filter: #3 Sand	30 Feet	9 Feet
Seal: Bentonite	9 Feet	7.5 Feet
Grout	7.5 Feet	0 Feet

Well Cap or Box: Flush Mounted Well Box

Project Name: BP Oil Company Project No: 6-02-5428
Location: BP Station #11165
3519 Castro Valley Boulevard
Castro Valley, CA

Driller: Solis Exploration Services, Inc.
Method: HSA
Hole Diameter: 8" Total Depth: 30 Feet
Ref. Elevations:
Logged By: Chris Valchelf

Dates:
Start: 9-29-92
Finish: 9-29-92

Depth (ft)	Lithologic Description	USC	Graphic Log: Sample/Blows	Graphic Log: Lithology	Graphic Log: Well Installation	Vapor	Remarks: Water, drilling/completion, summary, sample type
0	Asphalt FILL GRAVEL NATIVE [redacted] black, stiff, damp, no odor.	GM CL					
5	[redacted] black, 10-20% coarse, very stiff, damp, no odor.		2 7 9			7	SAMPLE @ 5 FEET
	[redacted] blue-grey, 10-20% coarse, very stiff, damp, heavy hydrocarbon odor.						
10	As above, with orange mottles.		4 8 11				SAMPLE @ 10.5 FEET
	[redacted] orange with blue-grey mottles, 5-10% medium grained sand, stiff, damp, heavy hydrocarbon odor.	ML					
15	As above, no odor. 70,000 / 830		3 7 8				SAMPLE @ 15 FEET
20	[redacted] red-brown, 10-20% coarse sand, 70-80% medium sand, dense, moist, no odor.		2 4 6			6	SAMPLE @ 20 FEET
	As above [redacted]	SM	2 3 5				
25	[redacted] grey with orange mottles, 30-40% medium grained sand, stiff, moist, no odor.						
	[redacted] grey, damp, stiff, no odor.	CL	2 3 4				
30							TOTAL DEPTH = 30 FEET

REGISTERED GEOLOGIST
[redacted]
STATE OF CALIFORNIA

sample conc. — TPH/benzene (ug/kg)

ESE-2

Environmental Science & Engineering, Inc.

BORING LOG AND WELL COMPLETION SUMMARY

[redacted]

WELL COMPLETION

Completion Depth: 30 Feet

Size/Type	From	To
Casing: 2" Diam. Sched. 40 PVC	10 Feet	0 Feet
Screen: 2" Diam. Sched. 40 Slotted (0.02") PVC	30 Feet	10 Feet
Filter: #3 Sand	30 Feet	9 Feet
Seal: Bentonite	9 Feet	7.5 Feet
Grout	7.5 Feet	0 Feet

Well Cap or Box: Flush Mounted Well Box

Project Name: BP Oil Company Project No: 6-92-5428
Location: BP Station #11105
3519 Castro Valley Boulevard
Castro Valley, CA

Page 1 of 1

Driller: Soils Exploration Services, Inc.
Method: HSA
Hole Diameter: 8" Total Depth: 31 Feet
Ref. Elevations:
Logged By: Chris Valchaff

Dates:
Start: 9-29-92
Finish: 9-29-92

Depth (ft)	Lithologic Description	USC	Graphic Log: Sample/Blows	Graphic Log: Lithology	Graphic Log: Well Installation	Vapor	Remarks: Water, drilling/completion, summary, sample type
0	Asphalt FILL GRAVEL	GP					
5	NATIVE [redacted]ack, stiff, damp, no odor.	CL	3 3 6			20	SAMPLE @ 4.5 FEET
	[redacted]ey with orange mottles, stiff, damp, slight odor.						
10	(ND) As above, heavy hydrocarbon odor.	ML	5 7 9			25	SAMPLE @ 10.5 FEET
15	[redacted]nge with grey mottles, stiff, damp, heavy hydrocarbon odor.		8 13 16			15	SAMPLE @ 14.5 FEET
20	[redacted]range, 50-60% medium to coarse grained sand, stiff, damp, no odor. (ND)		8 14 14				SAMPLE @ 20 FEET
	[redacted]range-brown, 5-10% silt, medium to coarse grained sand, dense[redacted]no odor.	SM	9 15 13			10	[redacted]
25	[redacted]rey, stiff,[redacted]oc odor.	ML	3 5 5 3 5 6				
30							STANDARD PEN. TOTAL DRILLED DEPTH = 30 FEET TOTAL DEPTH = 31 FEET

REGISTERED GEOLOGIST
[redacted]
CERTIFIED ENGINEERING GEOLOGIST

Environmental Science & Engineering, Inc.

BORING LOG AND WELL COMPLETION SUMMARY

ESE-3 [redacted]

Page 1 of 1

WELL COMPLETION

Completion Depth: 30 Feet

	Size/Type	From	To
Casing:	2" Diam. Sched. 40 PVC	10 Feet	0 Feet
Screen:	2" Diam. Sched. 40 Slotted (0.02") PVC	30 Feet	10 Feet
Filter:	#3 Sand	30 Feet	9 Feet
Seal:	Bentonite	9 Feet	7.5 Feet
	Grout	7.5 Feet	0 Feet

Well Cap or Box: Flush Mounted Well Box

Project Name: BP Oil Company Project No: 6-92-5428
Location: BP Station #11105
3519 Castro Valley Boulevard
Castro Valley, CA

Driller: Soils Exploration Services, Inc.
Method: HSA
Hole Diameter: 6" Total Depth: 30.5 Feet
Ref. Elevations:
Logged By: Chris Valchalf

Dates:
Start: 9-29-92
Finish: 9-29-92

Depth (ft)	Lithologic Description	USC	Graphic Log: Sample/Blows	Graphic Log: Lithology	Graphic Log: Well Installation	Vapor	Remarks: Water, drilling/completion, summary, sample type
0	Asphalt						
	FILL [redacted] reddish brown, 20-30% medium to coarse grained sand, dense, damp, no odor.						
	NATIVE [redacted] black, 5-10% medium to coarse grained sand, stiff, damp, no odor.						
5	As above, with orange-red mottles.		2, 5, 5			4	SAMPLE @ 5 FEET
	[redacted]tive, 5-10% fine grained sand, stiff, damp, no odor.						
	[redacted] orange-yellow-brown, 20-30% medium grained sand, stiff, damp, slight hydrocarbon odor.	ML					
10	As above, grey mottling, heavy hydrocarbon odor.		10, 16, 22				SAMPLE @ 10.5 FEET
	220,000 / 1400						
	As above, 30-40% medium to coarse grained sand, no odor.		7, 14, 19, 10, 11, 18			5	SAMPLE @ 15.5 FEET
15							
	[redacted] light brown, some sand, 5-10% medium, stiff, damp, no odor.						
20	ND		5, 10, 11			10	SAMPLE @ 20 FEET
	[redacted] light brown, 10-20% silt, medium grained sand, dense, [redacted] no odor.						
25	As above.	SM	7, 13, 13				NO SAMPLE COLLECTED
	[redacted] light brown, stiff, damp, no odor.	CL	1, 4, 5				STANDARD PEN.
30							TOTAL DRILLED DEPTH = 30 FEET
							TOTAL DEPTH = 30.5 FEET

REGISTERED GEOLOGIST
SUSAN S. WORKHAM
#3851
STATE OF CALIFORNIA

Sample core. — TPH / benzene (ug/kg)

ESE-4

Environmental Science & Engineering, Inc.

BORING LOG AND WELL COMPLETION SUMMARY

[redacted]

WELL COMPLETION

Completion Depth: 25 Feet

	Size/Type	From	To
Casing:	2" Diam. Sched. 40 PVC	7 Feet	0 Feet
Screen:	2" Diam. Sched. 40 Slotted (0.02") PVC	25 Feet	7 Feet
Filter:	#3 Sand	25 Feet	6 Feet
Seal:	Bentonite	6 Feet	4 Feet
	Grout	4 Feet	0 Feet

Well Cap or Box: Flush Mounted Well Box

Project Name: BP Oil Company Project No: 6-92-5429
Location: BP Station #11105
3519 Castro Valley Boulevard
Castro Valley, CA

Driller: Solis Exploration Services, Inc.
Method: HSA
Hole Diameter: 8" Total Depth: 25 Feet
Ref. Elevations:
Logged By: Mike Edmonson

Page 1 of 1

Dates:
Start: 9-28-92
Finish: 9-28-92

Depth (ft)	Lithologic Description	USC	Graphic Log: Sample/Blows	Graphic Log: Lithology	Graphic Log: Well Installation	Vapor	Remarks: Water, drilling/completion, summary, sample type
0	Asphalt FILL-GRAVEL NATIVE [redacted] brown, 10-20% fine to coarse sand, stiff, damp.	GP					
	[redacted] black, medium stiff, damp, organic odor.	CL					
5	[redacted] olive, medium stiff, damp, hydrocarbon odor.		4 6 8			0	SAMPLE @ 5-6.5 FEET
10	[redacted] brown with olive mottling, 10-25% fine sand, 20-35% fine to coarse sand (10.5-11 feet), stiff, damp. 24,000/150		7 12 16			0	SAMPLE @ 10-11.5 FEET
15	As above, grey mottling [redacted] increase in sand content at 16.2 feet.	ML	6 8 8				SAMPLE @ 15-16.5 FEET
20	As above, brown.		6 9 11				SAMPLE @ 20-21.5 FEET
	[redacted] brown, medium stiff, moist.		2 3 4				SAMPLE @ 21.5-23 FEET
	[redacted] brown, 40% fines, fine grained sand, medium dense [redacted]	SM	3 5 7				SAMPLE @ 23-24.5 FEET
25							TOTAL DEPTH = 25 FEET
30							

REGISTERED GEOLOGIST
SUSAN S. WICKHAM
#2851
STATE OF CALIFORNIA

Sample conc. — TPH/benzene (ug/kg)

ESE-5

Environmental Science & Engineering, Inc.

BORING LOG AND WELL COMPLETION SUMMARY

[redacted]

Page 1 of 1

WELL COMPLETION

Completion Depth: 24 Feet

	Size/Type	From	To
Casing:	2" Diam. Sched. 40 PVC	9 Feet	0 Feet
Screen:	2" Diam. Sched. 40 Slotted (0.02") PVC	24 Feet	9 Feet
Filter:	#3 Sand	24 Feet	8 Feet
Seal:	Bentonite	8 Feet	5.5 Feet
	Grout	5.5 Feet	0 Feet

Well Cap or Box: Flush Mounted Well Box

Project Name: BP Oil Company Project No: 6-92-5428
Location: BP Station #11105
3519 Castro Valley Boulevard
Castro Valley, CA

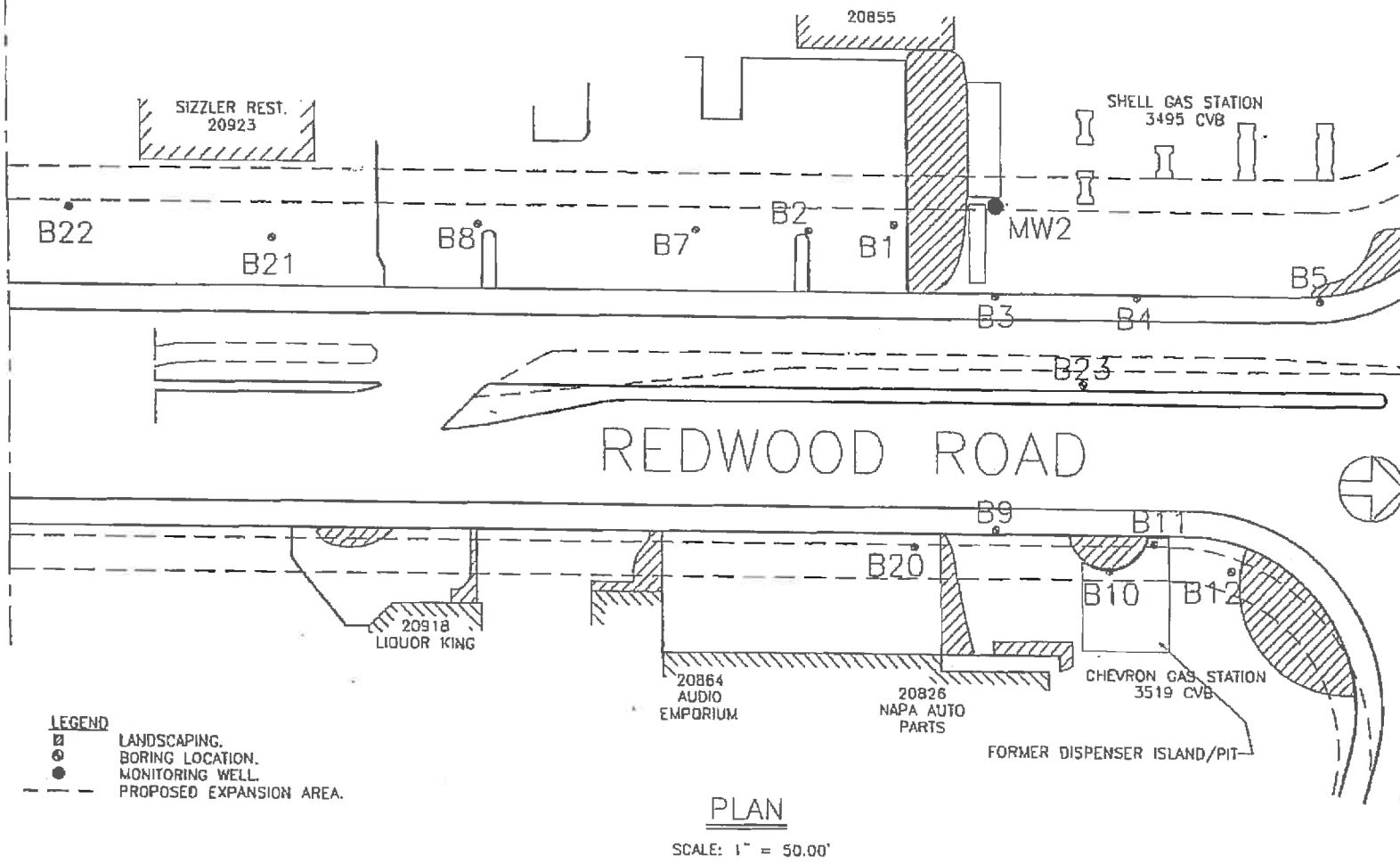
Driller: Soils Exploration Services, Inc.
Method: HSA
Hole Diameter: 8" Total Depth: 27 Feet
Ref. Elevations:
Logged By: Chris Valchalf

Dates:
Start: 9-26-92
Finish: 9-28-92

Depth (ft)	Lithologic Description	USC	Graphic Log: Sample/Blows	Graphic Log: Lithology	Graphic Log: Well Installation	Jar/Bag	Remarks: Water, drilling/completion, summary, sample type
0	Asphalt Fill [redacted] NATIVE [redacted]lack-grey, 20-30% medium to coarse grained sand, stiff, damp, slight hydrocarbon odor.	GP					
5	[redacted]ive with blue-grey mottling, 25-30% fine to coarse grained sand, stiff, damp, slight hydrocarbon odor.		9 4 5			40	SAMPLE @ 5 FEET
	[redacted]ive, decrease in sand content, stiff, damp, slight hydrocarbon odor.						
10	57,000 250		5 8 11				SAMPLE @ 10 FEET
	[redacted]ive with blue-grey mottle, 60-90% silt and clay, stiff, damp.	ML					
	[redacted]range-brown with minor mottling, 30-40% fine to coarse grained sand, stiff, damp.		7 12 12 6 9 12			8.5	SAMPLE @ 14 FEET STANDARD PEN.
15	[redacted]ight brown, stiff, damp, no odor.						
20	As abov[redacted], slight increase in sand content.		8 10 10				
25	As above, orange-brown, dry.		10 21 22 8 12 12				
	As above, damp.						TOTAL DRILLED DEPTH = 24 FEET TOTAL DEPTH = 27 FEET
30							

REGISTERED GEOLOGIST
SUSAN S. WICKHAM
#3851
STATE OF CALIFORNIA

Sample conc. — TPH/benzene (ug/kg)



PLAN

SCALE: 1" = 50.00'

FIG. No. 2 PRJ. No. 6163-1	ACC ENVIRONMENTAL CONSULTANTS, INC. 1000 ATLANTIC AVENUE SUITE 110 ALAMEDA, CA 94501 (510) 522-8188 • FAX: (510) 865-5731	SITE PLAN REDWOOD RD. CASTRO VALLEY, CA	DATE JAN 1995 DRAWN KMN

Environmental Control Associates, Inc. Geoprobe Sampler.	HNu (ppm)	SAMPLE #	Sample Interval	Depth (feet)	EQUIPMENT: Pneumatic Sampler LOGGED BY: M. Kaltreider PROJECT: Redwood Road START DATE: 12/5/94
Munsell Color Scale				0	Concrete/Baserock: sandy gravel
	100	B9-2		2	Brown mottled olive grey sandy clay (CL), with15% fine grain sand (interperted as fill material) plastic, stiff, moist, hydrocarbon odor.
	15	B9-4		4	
(Gley 5G - 4/1)					Dark olive grey mottled olive brown, clay (CL) with 5% fine grain sand, slight mottling, stiff, plastic, moist.
	50	B9-6		6	
(7.5YR - 4/4)					Dark olive grey mottled brown, sandy clay (CL), with 15% fine grain sand, medium stiff, plastic, moist.
	5	B9-8		8	
(2.5Y - 4/3)					Brown sandy clay (CL) with 30% fine grain sand, med. stiff, plastic, moist.
	5	B9-10		10	
				12	BOTTOM OF BORING @ 10 feet
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6163-1 DATE: 12/22/94	LOG OF BORING B9 Redwood Road Expansion Phase II Site Assessment Castro Valley, CA

Environmental Control Associates, Inc. Geoprobe Sampler.	HNu (ppm)	SAMPLE #	Sample Interval	Depth (feet)	EQUIPMENT: Pneumatic Sampler LOGGED BY: M. Kaltreider PROJECT: Redwood Road START DATE: 12/6/94
Munsell Color Scale (Gley 5G - 4/1)	10 50	B10-2 B10-4		0 2 4 6 8 10 12 14 16 18 20 22 24 26 28	Concrete/Baserock: sandy gravel. Black sandy clay (CL), with 30% fine grain sand, very plastic, stiff, moist. Black silty to sandy clay (CL) with 10% sand, plastic, med. stiff, moist. Poor recovery, sand, interperted as fill material, no sample collected. BOTTOM OF BORING @ 6 feet

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6163-1 DATE: 12/22/94	LOG OF BORING B10 Redwood Road Expansion Phase II Site Assessment Castro Valley, CA

Environmental Control Associates, Inc. Geoprobe Sampler.	HNu (ppm)	SAMPLE #	Sample Interval	Depth (feet)	EQUIPMENT: Pneumatic Sampler LOGGED BY: M. Kaltreider PROJECT: Redwood Road START DATE: 12/6/94
Munsell Color Scale (10YR - 2/2)	0	B11-2		0	Asphalt/Baserock: sandy gravel.
				2	Very dark brown silty clay (CL) with 10% fine grain sand, slight mottling and roots, plastic, med. stiff, moist.
				4	Poor recovery, no sample collected.
(Gley 5GY - 4/1)	0	B11-6		6	Dark greenish grey mottled brown, sandy clay (CL) with 30% fine grain sand, stiff, plastic, moist.
	200	B11-8		8	Same as above, sand content increases to approximately 40% with depth, hydrocarbon odor.
(2.5Y - 4/3)	300	B11-10		10	Brown clayey sand (SC) with 50% fine grain sand, med. dense, moist.
				12	BOTTOM OF BORING @ 10 feet
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

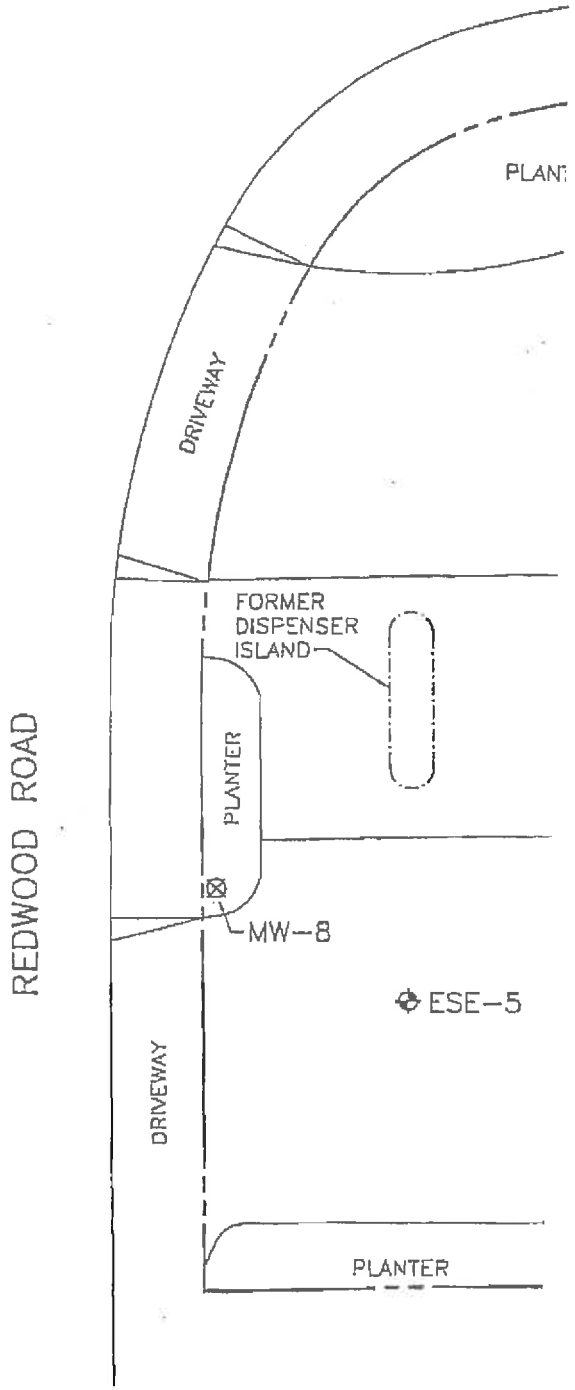
ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVENUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6163-1 DATE: 12/22/94	LOG OF BORING B11 Redwood Road Expansion Phase II Site Assessment Castro Valley, CA

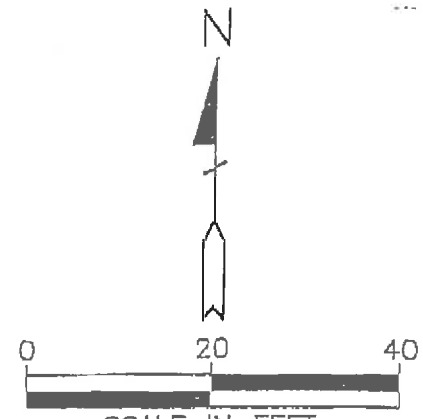
Environmental Control Associates, Inc. Geoprobe Sampler.	HNu (ppm)	SAMPLE #	Sample Interval	Depth (feet)	EQUIPMENT: Pneumatic Sampler LOGGED BY: M. Kaltreider PROJECT: Redwood Road START DATE: 12/6/94
Munsell Color Scale				0	Asphalt/Baserock: sandy gravel.
				2	Poor recovery, no sample collected.
(10YR - 2/2)	0	B12-4		4	Brown sandy clay (CL) with 15% fine grain sand, slight mottling, plastic, soft, very moist.
(Gley 5GY - 4/1)	0	B12-6		6	Dark greenish grey mottled brown, sandy clay (CL) with 40% fine grain sand, stiff, plastic, moist.
(2.5Y - 4/3)	200	B12-8		8	Brown clayey sand (SC) with 50% fine grain sand, med. dense, moist.
				10	BOTTOM OF BORING @ 8 feet
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVEUNUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6163-1 DATE: 12/22/94	LOG OF BORING B12 Redwood Road Expansion Phase II Site Assessment Castro Valley, CA

Environmental Control Associates, Inc. Geoprobe Sampler.	HNu (ppm)	SAMPLE #	Sample Interval	Depth (feet)	EQUIPMENT: Pneumatic Sampler LOGGED BY: M. Kaltreider PROJECT: Redwood Road START DATE: 12/6/94
Munsell Color Scale (10YR - 4/3)	0 0 0 0	B20-3 B20-5 B20-7 B20-9		0 2 4 6 8 10 12 14 16 18 20 22 24 26 28	Asphalt/ baserock: sandy gravel. Brown sandy clay (CL) with 15% sand, plastic, slight mottling, stiff, moist. Mottling and sand content (35% fine grain sand), increases with depth. BOTTOM OF BORING @ 9 feet

ACC ENVIRONMENTAL CONSULTANTS 1000 ATLANTIC AVENUE, SUITE 110 ALAMEDA, CA 94501	JOB NO: 6163-1 DATE: 12/22/94	LOG OF BORING B20 Redwood Road Expansion Phase II Site Assessment Castro Valley, CA





LEGEND

- GROUNDWATER MONITORING WELL
- DESTROYED WELL

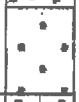
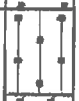
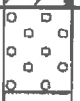
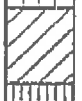
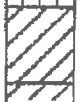
SITE PLAN

BP OIL SERVICE STATION NO. 11105
3519 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. 10-138

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

GEOLOGIC LEGEND

COARSE-GRAINED SOILS	GRAVELS more than 1/2 of coarse fraction > No. 4 Sieve	LITTLE OR NO FINES		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures
		APPRECIABLE NO FINES		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS more than 1/2 of coarse fraction < No. 4 Sieve	LITTLE OR NO FINES		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sands, little or no fines
		APPRECIABLE NO FINES		SM	Silty sands, sand-silt mixtures
				SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS	SILTS AND CLAYS Liquid limit < 50			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	SILTS AND CLAYS Liquid limit > 50			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
				CH	Inorganic clays of high plasticity, fat clays
				OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS				Pt	Peat and other highly organic soils

SYMBOL LEGEND:

- Cement
- Sand
- Bentonite
- Driven Interval of Soil Sample
- Sample preserved for passible analysis
- No sample recovered
- Stabilized water level
- Groundwater level encountered during drilling

LEGEND TO BORING LOGS

BP OIL SERVICE STATION NO. 11105
3519 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. 10-138

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING MW-6

Page 1 of 1

SEE SITE PLAN

ALISTO PROJECT NO: 10-138-03 DATE DRILLED: 07/18/95

CLIENT: BP Oil Company

LOCATION: 3519 Castro Valley Boulevard, Castro Valley, CA.

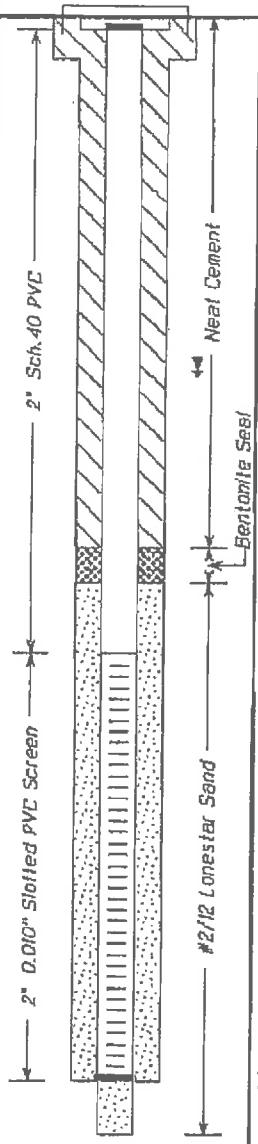
DRILLING METHOD: Hollow-stem auger (8"); 2" split-spoon sampler

DRILLING COMPANY: Soils Exploration Srvs. CASING ELEVATION: 179.24 'MSL

LOGGED BY: C. Ladd APPROVED BY: Al Sevilla

BLOWS/6 IN.	PID VALUES	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						Planter
					SM	sandy SILT: brown, dry. Observed from cuttings.
12,18,18	1.4	5			ML	clayey SILT: brown, damp, very stiff; minor fines; Fe oxide stain to approximately 3%.
20,43,24	1.7	10				Same: medium brown mottled with Fe oxide stain to 25%, damp, hard; root traces to aproximately 15%; minor fines.
18,19,22	1.1	15				Same: at 15 feet.
12,15,17	1.0	20			CL	silty CLAY: brown/gray, damp, hard.
					SM	At 22 feet, observed water on auger.
10,8,7	0	25				silty SAND: multi-color browns, saturated, medium dense; fine- to medium-grained sand.
					ML	clayey SILT: brown, wet; minor fines.
11,10,13	0	30			CL	silty-CLAY: brown, moist, very stiff; minor fines.
						Stabilized groundwater measured on July 28, 1995.

WELL DIAGRAM



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING MW-7

Page 1 of 1

SEE SITE PLAN

ALISTO PROJECT NO: 10-138-03 DATE DRILLED: 07/18/95

CLIENT: BP Oil Company

LOCATION: 3519 Castro Valley Boulevard, Castro Valley, CA.

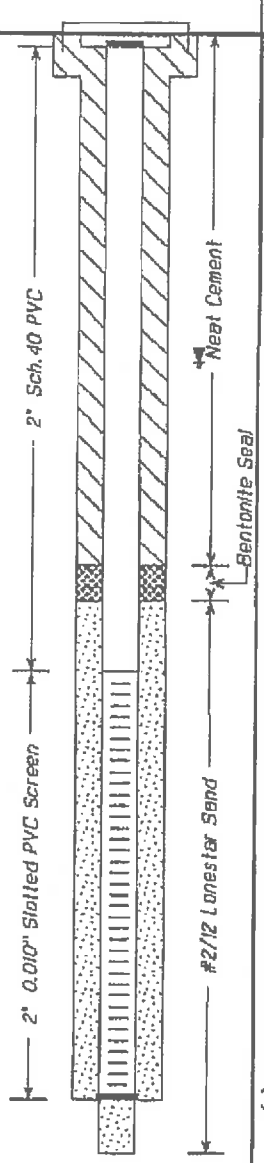
DRILLING METHOD: Hollow-stem auger (8"); 2" split-spoon sampler

DRILLING COMPANY: Soils Exploration Srvs. CASING ELEVATION: 178.55 'MSL

LOGGED BY: C. Ladd APPROVED BY: Al Sevilla

BLOWS/6 IN.	PID VALUES	DEPTH feet	SOIL CLASS	GEOLOGIC DESCRIPTION
				10" Concrete
			ML	
15,18,14	10.0	5		clayey SILT: dark brown, damp, very stiff; Fe oxide stain to approximately 5%.
14,23,17	10.0	10	CL	silty CLAY: brown/gray, damp, hard; Fe oxide stain to approximately 10%; rootlets to 10%; very fine-grained minor fines.
			ML	clayey SILT: red/brown, damp, hard; Fe oxide stain and rootlets; some fine-grained sand; occasional subrounded gravel to 1/4"-diameter.
15,20,24	8.7	15	CL	silty CLAY: brown, damp, hard; Fe oxide stain; occasional subrounded gravel to 1/4"-diameter; minor fines.
17,17,18	8.1	20	CL	CLAY: brown/gray, wet, hard; rootlets to 5%; Fe oxide stain to approximately 3%; minor fines.
11,11,15	0	25	SM	silty SAND: brown, wet, medium dense; fine-grained sand.
			SC	clayey SAND: brown/gray, wet to saturated, medium dense; fine- to medium-grained sand; minor fines.
8,10,13	0	30	CL	silty CLAY: brown/gray, moist, very stiff; some very fine-grained sand.
				Stabilized groundwater measured on July 28, 1995.

WELL DIAGRAM



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING MW-9

SEE SITE PLAN

ALISTO PROJECT NO: 10-138-03 DATE DRILLED: 07/19/95

CLIENT: BP Oil Company

LOCATION: 3519 Castro Valley Boulevard, Castro Valley, CA.

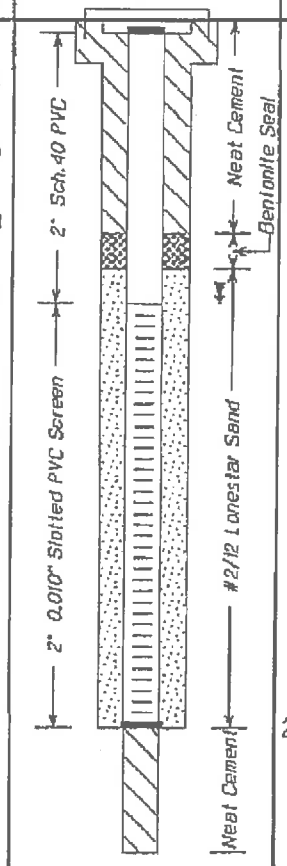
DRILLING METHOD: Hollow-stem auger (8"); 2" split-spoon sampler

DRILLING COMPANY: Solls Exploration Srvs. CASING ELEVATION: 176.34 'MSL

LOGGED BY: C. Ladd APPROVED BY: Al Sevilla

BLOWS/6 IN.	PID VALUES	DEPTH feet	SOIL CLASS	GEOLOGIC DESCRIPTION
				Planter
9,11,10	8.8		CL	silty CLAY: black, damp, very stiff; Fe oxide stain to 3%; rootlets to 5%.
7,9,11	8.0		ML	clayey SILT: brown, damp, very stiff; Fe oxide stain and root traces.
13,15,18	328	5		Same: gray, damp, very stiff; minor fines.
20,24,28	310			Same: red/brown mottled gray, damp, hard; root traces present; minor fines.
15,21,22	51			Same: at 9.5 feet.
20,17,23	4.8	10	CL	silty CLAY: brown mottled gray, damp, hard.
18,18,23	4.4		SM	silty SAND (dense): red/brown, damp to slightly moist, dense; fine- to medium-grained sand; <1% rootlets.
12,18,22	4.0	15	ML	clayey SILT: at 13.5 feet, light brown to brown, damp, hard; rootlets present; minor fines.
15,15,19	4.0			Same: at 15.5 feet, mottled light brown and red.
10,14,12	4.1			Same: at 17.5 feet.
18,18,20	3.5	20	SM	silty SAND: red/brown, wet to saturated, medium dense; fine- to medium-grained sand; <1% root traces.
18,21,20	4.0		SC	clayey SAND: brown, wet, very stiff; root traces 5%.
				silty CLAY: brown, damp, hard; rootlets to approximately 40%; minor fines.
				clayey SILT: brown, damp, hard; some fine- to medium-grained sand.
		25		Stabilized groundwater measured on July 28, 1995.
		30		

WELL DIAGRAM



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING MW-8

SEE SITE PLAN

ALISTO PROJECT NO: 10-138-03 DATE DRILLED: 07/19/95

CLIENT: BP Oil Company

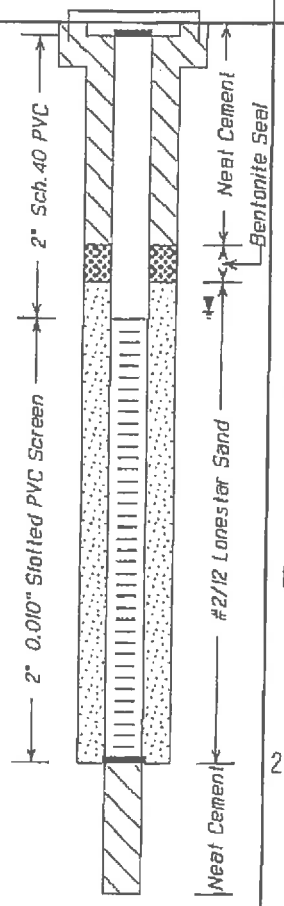
LOCATION: 3519 Castro Valley Boulevard, Castro Valley, CA.

DRILLING METHOD: Hollow-stem auger (8"); 2" split-spoon sampler

DRILLING COMPANY: Soils Exploration Srvs. CASING ELEVATION: 176.34 'MSL

LOGGED BY: C. Ladd APPROVED BY: Al Sevilla

BLOWS/6 IN.	PID VALUES	DEPTH feet	SOIL CLASS	GEOLOGIC DESCRIPTION
				Planter
9,11,10	8.8		CL	silty CLAY: black, damp, very stiff; Fe oxide stain to 3%; rootlets to 5%.
7,9,11	8.0		ML	clayey SILT: brown, damp, very stiff; Fe oxide stain and root traces.
13,15,18	329	5		Same: gray, damp, very stiff; minor fines.
20,24,28	310			Same: red/brown mottled gray, damp, hard; root traces present; minor fines.
15,21,22	51	10		Same: at 9.5 feet.
20,17,23	4.8		CL	silty CLAY: brown mottled gray, damp, hard.
18,18,23	4.4		SM	silty SAND (lense): red/brown, damp to slightly moist, dense; fine- to medium-grained sand; <1% rootlets.
			ML	clayey SILT: at 13.5 feet, light brown to brown, damp, hard; rootlets present; minor fines.
12,18,22	4.0	15		Same: at 15.5 feet, mottled light brown and red.
15,15,18	4.0			Same: at 17.5 feet.
10,14,12	4.1		SM	silty SAND: red/brown, wet to saturated, medium dense; fine- to medium-grained sand; <1% root traces.
18,18,20	3.5	20	SC	clayey SILT: brown, wet, very stiff; root traces 5%.
18,21,20	4.0			silty CLAY: brown, damp, hard; rootlets to approximately 40%; minor fines.
				clayey SILT: brown, damp, hard; some fine- to medium-grained sand.
		25		Stabilized groundwater measured on July 26, 1995.
		30		



ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: DP-1

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 22 Ft.
Stable GW: 10.05 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger to 5 ft.				
0.0	5		CL-ML	SILTY CLAY: Dark brown, very high dry strength, no dilatancy, low toughness, moist, no HCl reaction, soft, medium plastic, no Petroleum Hydrocarbon (PHC) odor.				
0.0			CL	SANDY LEAN CLAY: Brown, very high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, firm, low plastic, no PHC odor.				
110.3	10		CL	SANDY LEAN CLAY: Brown with gray-green mottling, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plastic, PHC odor, about 40% fine- to medium-grained sand.				
41.7			ML	SANDY LEAN CLAY: Brown, very high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, firm, low plastic, slight PHC odor, which becomes stronger @ 13 ft, about 40% fine- to medium-grained sand.				
27.2	15		CL-ML	SILTY CLAY: Brown, very high dry strength, no dilatancy, medium tough, moist, no HCl reaction, hard, low plasticity, slight PHC odor. At 15.5, PHC odor becomes stronger and color becomes gray-green.				
19.7				Slight PHC odor				
5.7	20		CL	SANDY LEAN CLAY: Brown, high dry strength, low dilatancy, low toughness, moist, no HCl reaction, firm, low plasticity, no PHC odor, about 40% fine- to medium-grained sand.				
3.5			CL	LEAN CLAY: Light brown, very high dry strength, low dilatancy, medium toughness, wet, no HCl reaction, firm, medium plastic, no PHC odor.				
			SM	SILTY SAND: Light brown, low dry strength, low toughness, moist to wet, no HCl reaction, firm, nonplastic, no PHC odor, about 70% fine- to medium-grained sand.				
	25							

COMMENTS: TD @ 30 ft., Visual-Manual method ASTM 2488-09a
Depth to stable groundwater: 10.05 ft.

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: DP-1

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 22 Ft.
Stable GW: 10.05 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.0	0		SM	SILTY SAND: Light brown, low dry strength, low toughness, moist to wet, no HCl reaction, firm, nonplastic, no PHC odor, about 70% fine- to medium-grained sand.				
			SC	CLAYEY SAND: Light brown, very high dry strength, medium dilatancy, low toughness, wet, no HCl reaction, very soft, low plasticity, no PHC odor, about 70% fine- to medium-grained sand.				
				Becomes moist and firm at 29 ft.				
	30							
	35							
	40							
	45							
	50							

COMMENTS: TD @ 30 ft., Visual-Manual method ASTM 2488-09a
Depth to stable groundwater: 10.05 ft.

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: DP-2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/17/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 25 Ft.
Stable Groundwater: 6.50 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
0.0	5		CL-ML	SILTY CLAY: Black, high dry strength, no dilatancy, low toughness, moist, no HCl reaction, soft, medium plasticity, slight Petroleum Hydrocarbon (PHC) odor.				
4.7				Becomes gray-green and firm at 7 ft.				
32.2			CL-ML	SILTY CLAY: Light brown, high dry strength, no dilatancy, medium tough, moist, no HCl reaction, PHC odor, hard, low plasticity.				
37.2	10							
0.0								
11.4								
0.0	15		CL	SANDY LEAN CLAY: Brown, high dry strength, no dilatancy, medium tough, moist, no HCl reaction, hard, medium plastic, no PHC odor, about 30% fine- to coarse-grained sand.				
3.0			CL-ML	SILTY CLAY: Light brown, high dry strength, no dilatancy, medium tough, moist, no HCl reaction, no PHC odor, hard, low plasticity.				
0.0	20							
0.0								
	25							

COMMENTS: TD @ 30 Ft., Visual-Manual Method ASTM 2488-09a
Depth to Stable Groundwater: 6.50 Ft.

SOMA ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-2	PAGE 2 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/17/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 25 Ft.
Stable Groundwater: 6.50 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.0	0		SC	CLAYEY SAND: Brown, high dry strength, slow dilatancy, medium tough, wet, no HCl reaction, soft, medium plastic, no PHC odor, about 60% fine-to medium-grained sand.					
	30								
	35								
	40								
	45								
	50								

COMMENTS: TD @ 30 Ft., Visual-Manual Method ASTM 2488-09a
Depth to Stable Groundwater: 6.50 Ft.

ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-3	PAGE 1 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/17/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 22 Ft.
Stable Groundwater: 11.50 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
0.0	5		CL-ML	SILTY CLAY: Black, very high dry strength, very slow dilatancy, medium toughness moist, no HCl reaction, soft, no Petroleum Hydrocarbon (PHC) odor.				
2.1			CL-ML	SILTY CLAY: Greenish-gray with some orange mottling, very high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, no PHC odor.				
			SC	CLAYEY SAND: Greenish-brown, high dry strength, medium tough, very moist, no HCl reaction, soft, weak cementation, medium plastic, no PHC odor.				
	10		CL	SANDY LEAN CLAY: Light brown, very high dry strength, low dilatancy, medium toughness, moist, no HCl reaction, very hard, medium plastic, no PHC odor, about 25% fine- to medium-grained sand.		▼		
0.0			CL-ML	SILTY CLAY: Dark greenish-gray, very high dry strength, soft, slow dilatancy, medium toughness, moist, no HCl reaction, firm, medium plasticity, no PHC odor. Becomes light brown @ 13 ft.	X			
			CL	LEAN CLAY: Brown, very high dry strength, no dilatancy, medium tough, moist, no HCl reaction, very hard, medium plastic, no PHC odor.				
	15		CL-ML	SILTY CLAY with Sand: Light brown, very high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, ~15% fine- to coarse-grained sand.				
0.0			CL	LEAN CLAY: Brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, very hard, medium plasticity, no PHC odor.				
	20		CL-ML	SILTY CLAY: Orange-brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, medium plastic, no PHC odor.				
			SC	CLAYEY SAND: Gray-green, high dry strength, slow dilatancy, low toughness, moist, no HCl reaction, firm, low plasticity, no PHC odor, ~60% fine- to coarse-grained sand.		▽		
0.0			SW-SC	WELL GRADED SAND with clay: Green-brown, wet, fine- to coarse-grained sand, ~ 10% fines, no PHC odor, weak cementation.				
			CL	LEAN CLAY: Light-brown, high dry strength, slow dilatancy, medium tough, moist, no HCl reaction, very hard, medium plastic, no PHC odor.				
	25			No Recovery				

COMMENTS: TD @ 30 Ft., Visual-Manual Method ASTM 2488-09a
Depth to stable groundwater: 11.50 ft

ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-3	PAGE 2 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/17/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 22 Ft.
Stable Groundwater: 11.50 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.0				No Recovery				
			SW-SC	WELL-GRADED SAND with clay: Greenish-brown, wet, fine- to coarse-grained sand, ~ 10% fines, weak cementation, no PHC odor.				
	30		CL	LEAN CLAY: Light-brown, high dry strength, slow dilatancy, medium tough, moist, no HCl reaction, very hard, medium plastic, no PHC odor.				
	35							
	40							
	45							
	50							

COMMENTS: TD @ 30 Ft., Visual-Manual Method ASTM 2488-09a
Depth to stable groundwater: 11.50 ft

SOMA ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-4	PAGE 1 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/17/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 31 ft.
Stable Groundwater: 28 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger to 5 Ft.				
0.7	5		CL	SANDY LEAN CLAY: Olive brown w/ some orange mottling, very high dry strength, no dilatancy, high toughness, moist, no HCl reaction, firm, high plasticity, ~30% fine-to coarse-grained sands, course grains angular to sub-rounded, no Petroleum Hydrocarbon (PHC) odor.				
4.5			SW	WELL-GRADED SAND with gravel: Brown, fine- to coarse-grained sand, about 25% rounded to sub-angular gravel up to 1 in., dry, weak cementation, no PHC odor.				
0.3	10		CL	SANDY LEAN CLAY with gravel: Orange-brown, high dry strength, no dilatancy, medium toughness, moist, CaCO3 nodules - strong HCl reaction, hard, moderate cementation, medium plastic, no PHC odor, ~ 30% fine- to coarse-grained sand, about 15% subrounded gravel up to 1/2 in.				
			SC	CLAYEY SAND: Brown, medium dry strength, no dilatancy, medium toughness, dry, no HCl reaction, soft, weak cementation, medium plastic, ~65% fine- to coarse- sand, no PHC				
6.3	15		CL	SANDY LEAN CLAY: Orange-brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, ~ 45% fine-to coarse- sand, no PHC odor.				
				No Recovery				
5.7	20		CL-ML	SILTY CLAY: Brown with orange mottling, high dry strength, no dilatancy, low toughness, moist, no HCl reaction, firm, medium plastic, no PHC odor.				
2.2	25		CL-ML	SILTY CLAY: Brown, high dry strength, low dilatancy, low toughness, moist - 6 in. very moist at 26 ft, no HCl reaction, firm, medium plastic, no PHC odor.				

COMMENTS: TD @ 32 ft., Visual-Manual Method ASTM 2488-09a
Depth to stable groundwater: 28.00 ft

ENVIRONMENTAL ENGINEERING, INC	GEOLOGIC LOG OF BOREHOLE: DP-4	PAGE 2 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/17/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 31 ft.
Stable Groundwater: 28 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
6.2			CL-ML	SILTY CLAY: Brown, high dry strength, low dilatancy, low toughness, moist - 6 in. very moist at 26 ft, no HCl reaction, firm, medium plastic, no PHC odor.				
3.5			CL	SANDY LEAN CLAY: Orange-brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, ~ 45% fine- to coarse-grained sand, no PHC odor.		▼		
	30		CL-ML	SILTY CLAY: Orange-brown, high dry strength, no dilatancy, medium toughness, no HCl reaction, moist to very moist, firm, no PHC odor.				
2.4			SC	CLAYEY SAND: Brown, high dry strength, low dilatancy, low toughness, wet, no HCl reaction, soft, medium plastic, no PHC odor, about 70% fine- to coarse-grained sand.		▼		
	35							
	40							
	45							
	50							

COMMENTS: TD @ 32 ft., Visual-Manual Method ASTM 2488-09a
Depth to stable groundwater: 28.00 ft

ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-5	PAGE 1 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 28 ft.
Stable Groundwater: 10.29 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
0.0	5		CL	SANDY LEAN CLAY: Dark brown, high dry strength, no dilatancy, low toughness, moist, no HCl reaction, soft, medium plasticity, no Petroleum Hydrocarbon (PHC) odor, about 40% fine- to medium-grained sand.				
0.0			CL	SANDY LEAN CLAY: Orange-brown, high dry strength, slow dilatancy, medium tough, moist, no HCl reaction, firm, nonplastic, about 35% fine- to medium-grained sand.				
			CL-ML	SILTY CLAY: Dark brown, high dry strength, slow dilatancy, medium toughness, no HCl reaction, firm, low plasticity, no PHC odor.				
11.3	10		CL	SANDY LEAN CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, PHC odor, about 25% fine- to medium-grained sand.		▼		
98.1			CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, PHC odor.	X			
36.4			CL-ML	SILTY CLAY: Brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, slight PHC odor.	X			
19.1	15		CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, PHC odor.				
21.2			CL	SANDY LEAN CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, PHC odor, about 25% fine- to coarse-grained sand.				
58.4	20		CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, PHC odor.	X			
			CL-ML	SILTY CLAY: Light brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor.				
11.7	25		SM	SITLY SAND: Light brown, low dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, nonplastic, no PHC odor, about 65% fine- to medium-grained sand.				

COMMENTS: TD @ 30 ft., Visual-Manual Method, ASTM 2488-09a
Depth to stable groundwater: 10.29 ft

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: DP-5

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 28 ft.
Stable Groundwater: 10.29 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.0	0		SM	SILTY SAND: Light brown, low dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, soft, nonplastic, no PHC odor, about 65% fine- to medium-grained sand.		▽		
			SC	CLAYEY SAND: Dark brown, medium dry strength, slow dilatancy, low toughness, wet, no HCl reaction, soft, low plasticity, no PHC odor, about 65% fine- to medium-grained sand.				
	30							
	35							
	40							
	45							
	50							

COMMENTS: TD @ 30 ft., Visual-Manual Method, ASTM 2488-09a
Depth to stable groundwater: 10.29 ft

ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-6	PAGE 1 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: DP

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 24 Ft.
Stable Groundwater: 19.79 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
0.0	5		CL	SANDY LEAN CLAY: Dark brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, firm, medium plasticity, no Petroleum Hydrocarbon (PHC) odor, about 40% fine- to medium-grained sand.				
0.0			CL	SANDY LEAN CLAY: Orange-brown, high dry strength, slow dilatancy, med tough, moist, no HCl reaction, firm, nonplastic, no PHC odor, about 30% fine- to medium-grained sand.				
			CL-ML	SILTY CLAY: Dark brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, no PHC odor.				
2.1	10		CL	SANDY LEAN CLAY: Brown, high dry strength, low dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, about 30% fine- to medium-grained sand. Slight PHC odor @ 11.5 ft.	X			
213.3			CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, slight PHC odor.				
19.6	15		CL-ML	SILTY CLAY: Brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, medium plasticity, slight PHC odor.	X			
14.9			CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, slight PHC odor.				
0.0			CL	SANDY LEAN CLAY: Brown, high dry strength, low dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, about 30% fine- to medium-grained sand.	X			
	20		CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, low plasticity, slight PHC odor.		▼		
0.0			CL-ML	SILTY CLAY: Light brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor.				
			SM	SILTY SAND: Light brown, low dry strength, no dilatancy, low toughness, wet, no HCl reaction, soft, nonplastic, no PHC odor, about 55% fine- to medium-grained sand.		▼		
	25							

COMMENTS: TD @ 30 Ft., Visual-Manual Method, ASTM 2488-09a
Depth to stable groundwater: 19.79 ft

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: DP-6

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 24 Ft.
Stable Groundwater: 19.79 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.0	0		SM	SILTY SAND: Light brown, low dry strength, no dilatancy, low toughness, wet, no HCl reaction, soft, nonplastic, no PHC odor, about 55% fine- to medium-grained sand.				
			SC	CLAYEY SAND: Dark brown, medium dry strength, slow dilatancy, low toughness, wet, no HCl reaction, soft, low plasticity, no PHC odor, about 60% fine- to medium-grained sand.				
	30							
	35							
	40							
	45							
	50							

COMMENTS: TD @ 30 Ft., Visual-Manual Method, ASTM 2488-09a
Depth to stable groundwater: 19.79 ft

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: DP-7

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 24 Ft.
Stable Groundwater: 10.32 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
0.0	5		CL	SANDY LEAN CLAY: Dark brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, very soft, low plasticity, no Petroleum Hydrocarbon (PHC) odor, about 35% fine- to medium-grained sand. (only recovered 6 in. of soil in sampling tube)				
0.0			CL	As above.				
	10		ML	SANDY SILT: Reddish-brown, low dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, firm, nonplastic, no PHC odor, about 30% fine- to medium-grained sand.		▼		
0.0			CL-ML	SILTY CLAY: Dark brown, high dry strength, no dilatancy, low toughness, moist, no HCl reaction, very soft, medium plastic, no PHC odor.	X			
3.6			SM	SILTY SAND: Reddish-brown, low dry strength, low dilatancy, low toughness, moist, no HCl reaction, hard, nonplastic, no PHC odor, about 65% fine- to coarse-grained sand.				
			CL-ML	SILTY CLAY: Dark brown, high dry strength, no dilatancy, low toughness, moist,	X			
	15		CL	no HCl reaction, very soft, medium plastic, no PHC odor. SANDY LEAN CLAY: Brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor, about 40% fine- to coarse-grained sand.				
0.0			CL-ML	SILTY CLAY: Dark brown, high dry strength, no dilatancy, low toughness, moist, no HCl reaction, very soft, medium plastic, no PHC odor.				
0.0			CL	SANDY LEAN CLAY: Brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor, about 40% fine- to coarse-grained sand.				
0.0	20		CL-ML	SILTY CLAY: Light brown, high dry strength, low dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor.				
0.0			ML	SANDY SILT: Light brown, low dry strength, low dilatancy, low toughness, moist, no HCl reaction, firm, nonplastic, no PHC odor, about 25% fine- to coarse-grained sand.		▽		
	25		SM	SILTY SAND: Light brown, low dry strength, slow dilatancy, low toughness, wet, no HCl reaction, soft, nonplastic, no PHC odor, about 60% fine- to medium-grained sand.				

COMMENTS: TD @ 30 Ft., Visual-Manual Method, ASTM 2488-09a
Depth to stable groundwater: 10.32 ft

ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: DP-7	PAGE 2 OF 2

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: Direct Push

BORING DIAMETER: 2 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION: N/A

DEPTH TO GW: First Encountered: 24 Ft.
Stable Groundwater: 10.32 Ft.

T.O.C. TO SCREEN: N/A

SCREEN LENGTH: N/A

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON / CORE SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.0	0		SM	SILTY SAND: Light brown, low dry strength, slow dilatancy, low toughness, wet, no HCl reaction, soft, nonplastic, no PHC odor, about 60% fine- to medium-grained sand. Dry from 27.5 ft to 28 ft.				
			SC	CLAYEY SAND: Dark brown, medium dry strength, slow dilatancy, low toughness, wet, no HCl reaction, soft, low plasticity, no PHC odor, about 65% fine- to medium-grained sand. (only recovered 6 in. of soil in sampling tube)				
	30							
	35							
	40							
	45							
	50							

COMMENTS: TD @ 30 Ft., Visual-Manual Method, ASTM 2488-09a
Depth to stable groundwater: 10.32 ft

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: SOMA-5

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: DP

BORING DIAMETER: 8 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION:

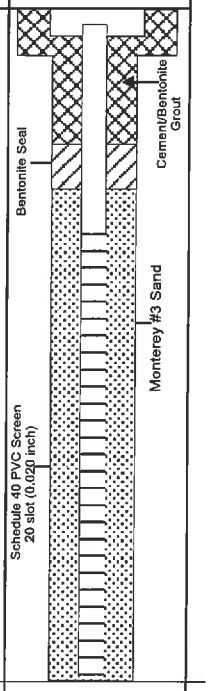
DEPTH TO GW: Not Encountered
Stable GW: 10.48 Ft.

T.O.C. TO SCREEN: 5 Ft.

SCREEN LENGTH: 10 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
	5		CL	SANDY LEAN CLAY: Dark brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, soft, low plasticity, no Petroleum Hydrocarbon (PHC) odor.				
			ML	SANDY SILT: Brown, low dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, nonplastic, no PHC odor.				
	10		CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor. Becomes greenish-brown with PHC odor at 10.5 ft.				
	15							
	20							
	25							



COMMENTS: TD @ 15 Ft., Visual-Manual Method, ASTM 2488-09a

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE TWB-5

Boring Location:

See Site Map.

Project: 2762

Site Location: 5516 Castro Valley Blvd
Castro Valley CA

Drilling Method: DPT

Driller: Vironex

Logged By: E. Jennings

Date Drilled: Dec. 2, 2003

Casing Elevation: NA

Depth to 1st Groundwater: 17 ft

Approved By: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (core / split spoon)	GW LEVEL	WELL DIAGRAM
				4" concrete over 6" base rock.			
			CL	Hand augured cutting.			
0	5		CL	CLAYEY SILT/SILTY CLAY: grayish brown; medium stiff; damp; slightly plastic; low estimated permeability (LEK). No petroleum hydrocarbon (PHC) odor.			
191	10			As above w/ strong PHC odor.			
				As above becoming reddish brown; stiff to very stiff. Strong PHC odor.			
				As above becoming grayish brown; soft to medium stiff; moist. Slight PHC odor.			
0	15		CL	SILTY CLAY w/ some Fine Sand: reddish brown; soft to medium stiff; moist to wet; <20% fine sand. LEK. Slight PHC odor.		▼	
				2-4" stringer of fine sand and gravelly, silty clay lense; well sorted and poorly graded.			
0	20			As above becoming medium stiff to very stiff.			
				As above becoming soft; saturated. MEK-HEK.			
0	25						NO TEMPORARY WELL CASING INSTALLED

SOMA ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE TWB-5	Page 2 of 2

Boring Location:	Project: 2552	Date Drilled: Dec. 2, 2003
See Site Map.	Site Location: 5519 Castro Valley Blvd Castro Valley CA	Casing Elevation: NA
	Drilling Method: DPT	Depth to 1st Groundwater: 25-28 ft
	Driller: Vironex	Approved By: M Sepehr
	Logged By: E Jennings	

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED: core	SAMPLED: split spoon	GW LEVEL	WELL DIAGRAM
			CL	SILTY CLAYw/ some Fine Sand: reddish brown; soft to medium stiff; wet to saturated; <30% fine sand. MEK-HEK. No PHC odor.			▼	
	30							
	35							
	40							
	45							
	50			Total Depth: 30 ft bgs. First encountered groundwater: 17 ft bgs. Hand augered to 5 ft bgs to clear utilities.				

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE TWB-4

Boring Location:

See Site Map.

Project: 2762

Site Location: 5516 Castro Valley Blvd
Castro Valley CA

Drilling Method: DPT

Driller: Vironex

Logged By: E. Jennings

Date Drilled: Dec. 2, 2003

Casing Elevation: NA

Depth to 1st Groundwater: 25-28 ft

Approved By: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (core / split spoon)	GW LEVEL	WELL DIAGRAM
				4" concrete over 6" base rock.			NO TEMPORARY WELL CASING INSTALLED
			CL	Hand augured cutting.			
0	5		CL	CLAYEY SILT/SILTY CLAY w/ some Sand: brown; medium stiff; damp; slightly plastic. Low to medium estimated permeability (LEK-MEK). No petroleum hydro-carbon (PHC) odor.			
80	10			As above becoming brown to grayish brown; medium stiff to very stiff. LEK. Moderate PHC odor.			
60							
10	15						
4			CL	SILTY CLAY: brown; stiff; damp; plastic. LEK. No PHC odor.			
				6" stringer of fine sand and gravelly, silty clay lense at 18'.			
0	20			6" stringer of sand and gravelly, silty clay lense at 21'.			
3							
0	25			As above becoming soft to medium stiff; increasing moisture with depth.			

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE TWB-4

Boring Location:

See Site Map.

Project: 2552

Site Location: 5519 Castro Valley Blvd
Castro Valley CA

Drilling Method: DPT

Driller: Vironex

Logged By: E Jennings

Date Drilled: Dec. 2, 2003

Casing Elevation: NA

Depth to 1st Groundwater: 25-28 ft

Approved By: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (core / split spoon)	GW LEVEL	WELL DIAGRAM
			CL	SILTY CLAY: brown; soft; moist; plastic. LEK-MEK. No PHC odor.			

30

35

40

45

50

Total Depth: 30 ft bgs.
First encountered groundwater: 25-28 ft bgs.
Hand augered to 5 ft bgs to clear utilities.

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE SOMA-1

BORING LOCATION

SEE SITE MAP

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd
Castro Valley, CA

DRILLING METHOD: Hollow Stem Auger.

DRILLER: Gregg Drilling & Testing

LOGGED BY: E Jennings

DATE DRILLED: June 10, 2004

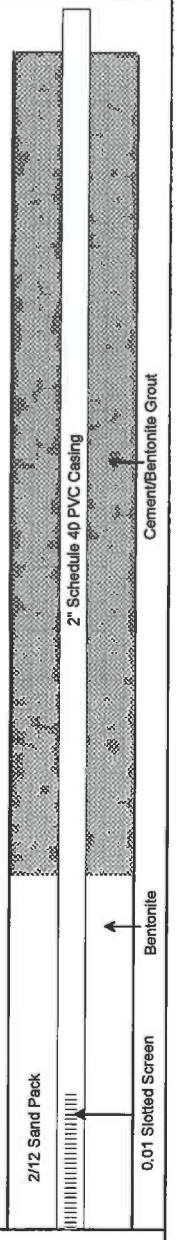
CASING ELEVATION:

DEPTH TO 1ST GW: 22'

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (split spoon / core)	GW LEVEL	BLOWCOUNTS
				4" concrete over 4-6" base rock	HAND AUGERED TO 5'		
	5		CL	SILTY CLAY: dark brown, very soft, moist to very moist, high plasticity; Medium to high estimated permeability (MEK-HEK). No petroleum hydrocarbon (PHC) odor.			3 7 9
	10		CL/ML	SILTY CLAY/ CLAYEY SILT: gray mottled orange brown, med. stiff to stiff, damp, slight plasticity; Low estimated permeability (LEK). No PHC odor.			7 11 13
	15		CL/ML	As above. Becomes gray and slight bluish gray. Moderate to strong PHC odor.			13 18 20
	20		ML/SM	SANDY SILT/SILTY SAND with some Clay: gray brown and slight orange brown, med. dense and med. stiff, moist; 40-60% fine to med. sand; LEK-MEK. No PHC odor.		▽	6 11 16 8 10 10
	25						5 6 10

WELL DIAGRAM



ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE SOMA-1

BORING LOCATION

SEE SITE MAP

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd
Castro Valley, CA

DRILLING METHOD: Hollow Stem Auger.

DRILLER: Gregg Drilling & Testing

LOGGED BY: E Jennings

DATE DRILLED: June 10, 2004

CASING ELEVATION:

DEPTH TO 1ST GW: 22'

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (split spoon / core)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			SP/SM	SAND and SILTY SAND: gray brown and light orange brown, med. dense, saturated; 40-70% fine to med. sand; HEK. No PHC odor.				2/12 Sand Pack; 0.01 Slotted Screen
			ML/CL	CLAYEY SILT/ SILTY CLAY: dark brown, wet to saturated; HEK. No PHC odor.				
				SILTY CLAY: gray brown slightly mottled orange brown, med stiff, moist to very moist; LEK-MEK. No PHC odor.				
	30			TOTAL DEPTH 30'				
				Groundwater first encountered at 22' and stabilized at 11.56'				
	35							
	40							
	50							
	55							

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE SOMA-2

BORING LOCATION

SEE SITE MAP

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd
Castro Valley, CA

DRILLING METHOD: Hollow Stem Auger.

DRILLER: Gregg Drilling & Testing

LOGGED BY: E Jennings

DATE DRILLED: June 10, 2004

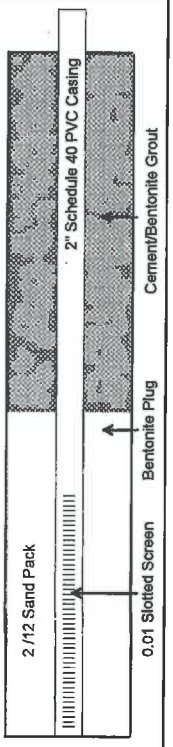
CASING ELEVATION:

DEPTH TO 1ST GW: Approx 12'

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (split spoon / core)	GW LEVEL	BLOWCOUNTS
			CL	4" concrete over 4-6" base rock	HAND AUGERED TO 5'		
	5		CL	SILTY CLAY with some FINE SAND: dark brown and gray brown slightly mottled orange brown, soft and med. stiff, moist, med. to high plasticity; <30% fine sand; Low to medium estimated permeability (LEK-MEK). No petroleum hydrocarbon (PHC) odor.			2 7 8
	10			As above. Light gray and light gray brown and reddish orange brown with depth.		▽	10 13 26
	15		SM	FINE SILTY SAND: reddish brown and light gray brown, med. dense, very moist; 40-60% fine sand; MEK to high estimated permeability (HEK). No PHC odor.			7 6 7
				TOTAL DEPTH 15'			
				Groundwater first encountered at 12' and stabilized at 10.60'			
	20						
	25						

WELL DIAGRAM



SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE SOMA-3

BORING LOCATION

SEE SITE MAP

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd
Castro Valley, CA

DRILLING METHOD: Hollow Stem Auger.

DRILLER: Gregg Drilling & Testing

LOGGED BY: E Jennings

DATE DRILLED: June 10, 2004

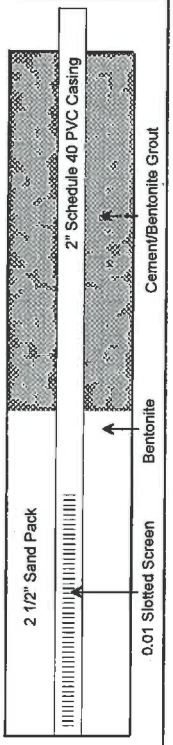
CASING ELEVATION:

DEPTH TO 1ST GW: Approx 12'

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (split spoon / core)	GW LEVEL	BLOWCOUNTS
			CL	4" concrete over 4-6" base rock	HAND AUGERED TO 5'		
	5		CL	SILTY CLAY with some FINE SAND: gray brown mottled orange brown, med. stiff dense, moist slightly plastic; <30% fine sand; Low estimated permeability (LEK). No petroleum hydrocarbon (PHC) odor.			7 7 8
	10			As above. Reddish brown and moist with depth.			9 8 9
	15		SM	FINE SILTY SAND: reddish brown slightly mottled gray, med. dense, very moist to wet; 40-60% wery fine to fine sand; High estimated permeability (HEK). No PHC odor.			5 5 6
				TOTAL DEPTH 15'			
	20			Groundwater first encountered at 12' and stabilized at 9.90'			
	25						

WELL DIAGRAM



ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE SOMA-4

BORING LOCATION

SEE SITE MAP

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd
Castro Valley, CA

DRILLING METHOD: Hollow Stem Auger.

DRILLER: Gregg Drilling & Testing

LOGGED BY: E Jennings

DATE DRILLED: June 10, 2004

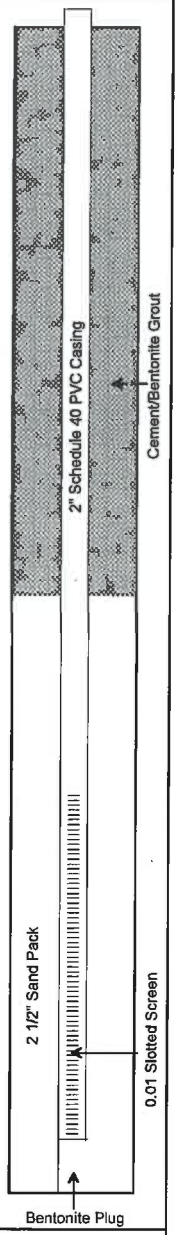
CASING ELEVATION:

DEPTH TO 1ST GW: Approx 16'-17'

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED (split spoon / core)	GW LEVEL	BLOWCOUNTS
				4" concrete over 4-6" base rock	HAND AUGERED TO 5'		
	5		SM	FINE SILTY SAND with some CLAY: gray to grayish brown mottled orange brown, med. dense, damp to moist; 40-60% fine sand; Low to med. estimated permeability (LEK). No petroleum hydrocarbon (PHC) odor.			26 50
	10		SM/CL	SILTY SAND/ SILTY CLAY: reddish brown, dense and med. stiff, damp; LEK. Slight PHC odor.			11 14 23
	15		CL	SILTY CLAY: brown, med. stiff to stiff, damp to moist, slightly plastic; LEK. No PHC odor.			9 9 9
			SM	SILTY SAND with some CLAY: gray and slight yellow brown, med. dense, very moist to wet; <60% fine sand; MEK to high estimated permeability (HEK). No PHC odor.		▽	
	20		SM/ML	SILTY SAND/ SANDY SILT: gray brown slightly mottled orange, med. dense, wet to saturated; 40-60% fine sand; MEK-HEK. No PHC odor.			7 11 6 8 8
			CL	SILTY CLAY with some SAND: gray brown slightly mottled orange brown, med. stiff, moist; LEK-MEK. No PHC odor.			
	25			TOTAL DEPTH 24.5'			

WELL DIAGRAM



Groundwater first encountered at 16-17' and stabilized at 9.32'

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: SOMA-5

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd.
Castro Valley

DRILLER: Gregg Drilling & Testing

DRILLING METHOD: DP

BORING DIAMETER: 8 in.

LOGGED BY: E. Hightower

DATE DRILLED: 8/18/2009

CASING ELEVATION:

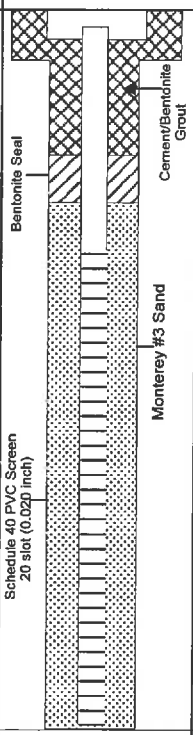
DEPTH TO GW: Not Encountered
Stable GW: 10.48 Ft.

T.O.C. TO SCREEN: 5 Ft.

SCREEN LENGTH: 10 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED (SPLIT SPOON / CORE)	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger to 5 ft.				
	5		CL	SANDY LEAN CLAY: Dark brown, high dry strength, no dilatancy, medium toughness, moist, no HCl reaction, soft, low plasticity, no Petroleum Hydrocarbon (PHC) odor.				
			ML	SANDY SILT: Brown, low dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, nonplastic, no PHC odor.				
			CL-ML	SILTY CLAY: Brown, high dry strength, slow dilatancy, medium toughness, moist, no HCl reaction, hard, low plasticity, no PHC odor.				
	10			Becomes greenish-brown with PHC odor at 10.5 ft.				
	15							
	20							
	25							



COMMENTS: TD @ 15 Ft., Visual-Manual Method, ASTM 2488-09a

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: SOMA-6

PROJECT: 2762

DATE DRILLED: August 9, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: NA

DRILLER: RSI Drilling

First Encountered GW: Not encountered
Stablized GW: DRY

DRILLING METHOD: Hollow Stem Auger

T.O.C. TO SCREEN: NA

BORING DIAMETER: 8-inch

SCREEN LENGTH: NA

LOGGED BY: Erica Fisker

APPROVED BY: Mansour Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
			AC	10-inch Concrete Core					
0.0			CL	Hand Auger top 5 feet, Fill top 1 foot SANDY LEAN CLAY: Dark brown, firm, dry to damp, medium plastic, medium dilatancy, medium to high toughness, medium dry strength, ~40% fine to coarse-grained sand, no Petroleum Hydrocarbon (PHC) odor					
0.9				Becomes light brown, low dry strength, and very soft at 3 feet					
	5		CL	LEAN CLAY: Dark brown, damp, high plasticity, medium toughness, medium dry strength, slow dilatancy, soft to firm, ~10% fine-grained sand, no PHC odor					
0.9									
0.4			SM	SILTY SAND: Medium brown with black and rust mottling, ~68 % fine to medium grained sand, firm, ~32% silt: low plastic, low dry strength, slow dilatancy	X				
0.6				As above: becomes light brown with light grey mottling and fine- to coarse-grained sand					
	10		SW	WELL GRADED SAND w/silt: blue grey with light brown and CaCO3 mottling, dry, very soft, ~90 % fine- to coarse-grained sand, ~10% silt: low plastic, no dilatancy, no dry strength, low toughness, PHC staining, strong PHC odor					
3.0					X				
320			SW	WELL GRADED SAND: light brown with grey mottling, loose, fine- to coarse-grained sand, ~10% silt, CaCO3 mottling, dry to damp, strong PHC odor					
4.5			CL	SANDY CLAY: Reddish-brown with grey mottling, hard to very hard, medium toughness, medium plastic, low dilatancy, ~30% fine- to coarse-grained sand					
	15								
	20								
	25								

COMMENTS: Left open with trench plate secured with asphalt and drum, checked daily for water 8/16/10, boring dry; abandoned borehole by tremie grouting and finished to grade with concrete

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: SOMA-7

PROJECT: 2762

DATE DRILLED: August 9, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: 178.54 Ft.

DRILLER: RSI Drilling

First Encountered GW: Not encountered
Stablized GW: 8.3 Feet

DRILLING METHOD: Hollow Stem Auger

T.O.C. TO SCREEN: 5 Feet

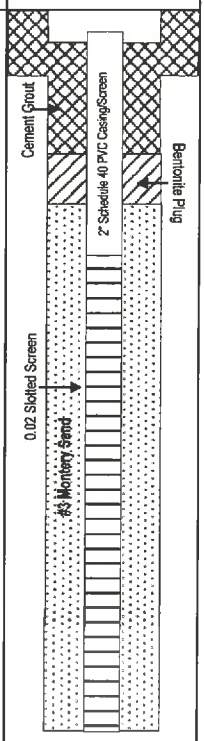
BORING DIAMETER: 8-inch

SCREEN LENGTH: 10 Feet

LOGGED BY: Erica Fisker

APPROVED BY: Mansour Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
87.5			AC	2-inch Asphalt					
			CL	Hand Auger top 5 feet SANDY LEAN CLAY: Brown, gravelly fill with silt and sand to 1.4 feet bgs, Dark grey-black w/blue-green staining, soft, damp, fine- to coarse-grained sand, low to medium plastic, slow dilatancy, medium toughness, strong Petroleum Hydrocarbon (PHC) odor	X				
				Some brown mottling starts at 4 feet bgs					
236.5	5		CL	SANDY LEAN CLAY: Blue-grey with black mottling and PHC staining, asphalt scattered througout core, fine- to coarse-grained sand, 5% gravel up to 1.5 inch, low to medium plastic, medium toughness, slow dilatancy, damp.					
138.7				Moist at 9 feet, brown mottling at 10 feet	X		▼		
630	10		SM	SILTY SAND: Light grey, damp, very fine- to fine-grained sand, brown mottling, loose, ~17% silt, low plastic, slow dilatancy, low toughness, low dry strength, PHC odor	X				
20.5			CL	SANDY LEAN CLAY: Brown with grey mottling, fine- to coarse-grained sand (~20%), hard, dry to damp, slow dilatancy, medium toughness, medium plastic, no PHC odor below 12.5 feet.					
	15								
	20								
	25								



COMMENTS: Left open with trench plate secured with 55-gallon drum, set well 8/10/2010.
DTW on 8/10/10: 8.39 feet bgs, sheen, PHC odor

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: SOMA-8

PROJECT: 2762

DATE DRILLED: August 9, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: 181.57 Ft.

DRILLER: RSI Drilling

First Encountered GW: Not encountered
Stablized GW: 9.86 Feet

DRILLING METHOD: Hollow Stem Auger

T.O.C. TO SCREEN: 5 Feet

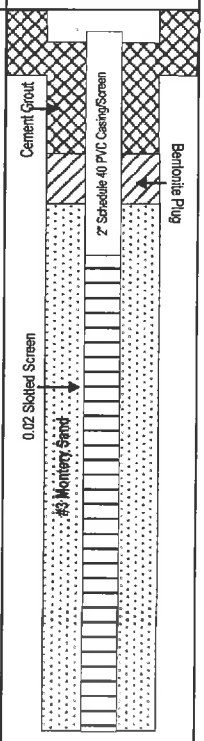
BORING DIAMETER: 8-inch

SCREEN LENGTH: 10 Feet

LOGGED BY: Erica Fisker

APPROVED BY: Mansour Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
1.5			SP	Hand Auger top 5 feet POORLY GRADED SAND w/GRAVEL: Reddish-brown, dry to damp, loose, medium- to very coarse-grained sand, fine-grained rounded to sub-rounded gravel (~10%), no Petroleum Hydrocarbon (PHC) odor					
1.2	5		ML	SANDY SILT: Dark brown, soft, damp, medium to high plastic, slow dilatancy, low toughness, low dry strength, fine- to coarse-grained sand decreasing with depth, no PHC odor					
1.1			ML	SANDY SILT: Dark brown, dry to damp, soft to firm, low to medium plastic, medium dry strength, medium toughness, slow dilatancy, fine- to medium-grained sand, no PHC odor. Color change to light brown mottling at 7 ft.	X				
1.2	10		SM	dry at 9 feet, CaCO3 nodules with rust mottling SILTY SAND: Reddish-brown, dry, loose, very fine- to fine-grained sand, ~25% silt: low plastic, low toughness, slow dilatancy, low dry strength, no PHC odor Black speckling and mottling begins at 11 feet	X		▼		
1.4	15			Sand becomes fine- to coarse-grained at 14 feet					
	20								
	25								



COMMENTS: Left open with trench plate secured with 55-gallon drum, set well 8/10/2010.
DTW on 8/10/10: 9.86 feet bgs, sheen, PHC odor

SOMA ENVIRONMENTAL ENGINEERING, INC.	GEOLOGIC LOG OF BOREHOLE: SOMA-9	PAGE 1 OF 1

PROJECT: 2762

DATE DRILLED: August 9, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: NA

DRILLER: RSI Drilling

First Encountered GW: Not encountered
Stablized GW: DRY

DRILLING METHOD: Hollow Stem Auger

T.O.C. TO SCREEN: NA

BORING DIAMETER: 8-inch

SCREEN LENGTH: NA

LOGGED BY: Erica Fisker

APPROVED BY: Mansour Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON — SAMPLED — CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
0.5			AC	4-inch Asphalt, 6-inch Concrete				
0.1			CL-ML	Hand Auger top 5 feet SILTY CLAY: Dark brown, damp to moist, firm to very firm, medium plastic, medium toughness, slow dilatancy, Fe oxide staining/mottling, no Petroleum Hydrocarbon (PHC) odor. Large chunks of concrete at 2.5 feet bgs				
0.0	5		CL-ML	SILTY CLAY: Dark brown with black and rust mottling, damp, soft to firm, highly plastic, medium toughness, slow dilatancy, medium dry strength, ~10% very fine to fine-grained sand, some CaCO3 nodules, no PHC odor	X			
	10			Increasing CaCO3 with depth, Sand becomes fine- to coarse-grained, increase to ~10%				
0.5			GP	POORLY GRADED GRAVEL w/sand and silt: grey to light brown, damp, loose.				
0.0			SM	SILTY SAND: Reddish-brown, damp, loose, black specks, no toughness, no plastic, slow dilatancy, no dry strength, ~30% fines with increasing silt with depth, no PHC odor	X			
	15							
	20							
	25							

COMMENTS: Left open with trench plate secured with asphalt and drum, checked daily for water 8/16/10, borehole dry. abandoned borehole by tremie grouting and finishing to grade with asphalt

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: ESE-1R

PROJECT: 2762

DATE DRILLED: August 10, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: 180.20 Ft.

DRILLER: RSI Drilling

First Encountered GW: 9.95 Ft.
Stablized GW: 10.17 Ft.

DRILLING METHOD: HSA

T.O.C. TO SCREEN: 18 Ft.

BORING DIAMETER: 10-inch

SCREEN LENGTH: 7 Ft.

LOGGED BY: E. Fisker

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0			18-inch concrete core Existing well over drilled with 8-inch auger and all casing and annular seal removed Backfill 5 feet of hydrated bentonite Re-advanced with 10-inch auger to 25 Ft. TD and casing installed Sheen and odor observed in water within hole See Boring Log for ESE-1 (9/29/92) for geologic discription					Cement Grout 2" Schedule 40 PVC Casing/Screen Bentonite Plug 0.02 Slotted Screen #3 Monterey Sand
	5								
	10								
	15								
	20								
	25								

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: ESE-1R

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

DRILLER: RSI Drilling

DRILLING METHOD: HSA

BORING DIAMETER: 10-inch

LOGGED BY: E. Fisker

DATE DRILLED: August 10, 2010

CASING ELEVATION: 180.70 Ft.

First Encountered GW: 9.95 Ft.
Stablized GW: 10.17 Ft.

T.O.C. TO SCREEN: 18 Ft.

SCREEN LENGTH: 7 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				18-inch concrete core Existing well over drilled with 8-inch auger and all casing and annular seal removed Backfill 5 feet of hydrated bentonite Re-advanced with 10-inch auger to 25 Ft. TD and casing installed Sheen and odor observed in water within hole See Boring Log for ESE-1 (9/29/92) for geologic discription					Bentonite Plug

30

35

40

45

50

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: ESE-2R

PROJECT: 2762

DATE DRILLED: August 11, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: 180.70 Ft.

DRILLER: RSI Drilling

First Encountered GW: 10.44 Ft.
Stablized GW: 10.61 Ft.

DRILLING METHOD: HSA

T.O.C. TO SCREEN: 22 Ft.

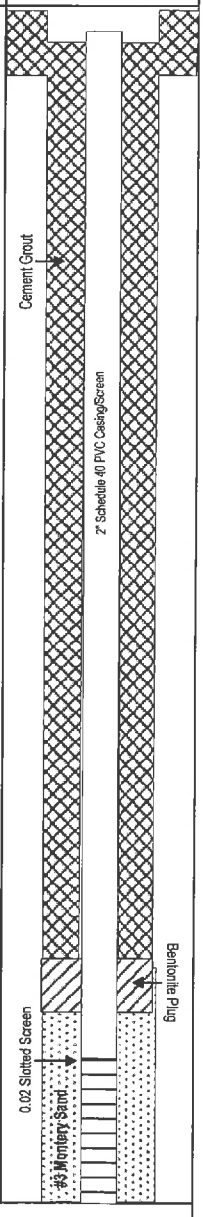
BORING DIAMETER: 10-inch

SCREEN LENGTH: 6 Ft.

LOGGED BY: E. Fisker

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				18-inch concrete core Existing well: over drilled to 30 Ft. with 8-inch auger and all casing and annular seal removed Backfill 2 feet of hydrated bentonite Re-advanced with 10-inch auger to 28 Ft. TD and casing installed See Boring Log for ESE-2 (9/28/92) for geologic discription				



COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: ESE-2R

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

DRILLER: RSI Drilling

DRILLING METHOD: HSA

BORING DIAMETER: 10-inch

LOGGED BY: E. Fisker

DATE DRILLED: August 11, 2010

CASING ELEVATION: 180.70 Ft.

First Encountered GW: 10.44 Ft.
Stablized GW: 10.61 Ft.

T.O.C. TO SCREEN: 22 Ft.

SCREEN LENGTH: 6 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				18-inch concrete core Existing well: over drilled to 30 Ft. with 8-inch auger and all casing and annular seal removed Backfill 2 feet of hydrated bentonite Re-advanced with 10-inch auger to 28 Ft. TD and casing installed See Boring Log for ESE-2 (9/28/92) for geologic discription				Bentonite Plug
	30							
	35							
	40							
	45							
	50							

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: ESE-5R

PROJECT: 2762

DATE DRILLED: August 10, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: 178.64 Ft.

DRILLER: RSI Drilling

First Encountered GW: 7.01 Ft.
Stablized GW: 8.97 Ft.

DRILLING METHOD: HSA

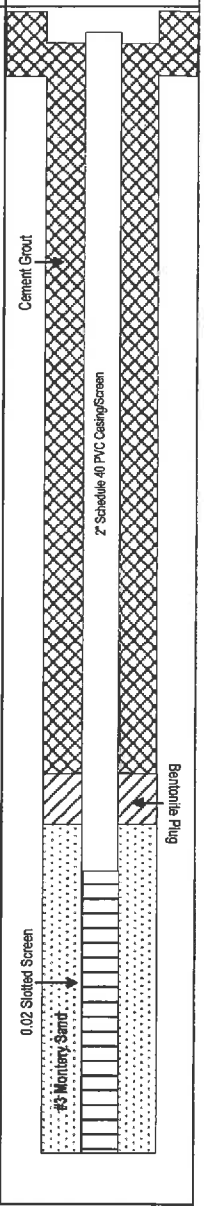
T.O.C. TO SCREEN: 18 Ft.

BORING DIAMETER: 10-inch

SCREEN LENGTH: 6 Ft.

LOGGED BY: E. Fisker

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0		CL	18-inch concrete core Existing well over drilled with 8-inch auger and all casing and annular seal removed Re-advanced with 10-inch auger to 24 Ft. TD and casing installed Hand auger top 5 Feet due to proximily of unknown metal utility SANDY LEAN CLAY: Brownish-grey, petro staining, very fine- to fine-grained sand slow dilatancy, medium plastic, firm, medium tough. PHC odor to 3.5 Ft. bgs See Boring Log for ESE-5 (9/29/92) for geologic discription					
	5								
	10								
	15								
	20								
	25								

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: MW-6R

PROJECT: 2762

DATE DRILLED: August 10, 2010

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

CASING ELEVATION: 181.34 Ft.

DRILLER: RSI Drilling

First Encountered GW: 9.64 Ft.
Stablized GW: 9.55 Ft.

DRILLING METHOD: HSA

T.O.C. TO SCREEN: 22 Ft.

BORING DIAMETER: 10-inch

SCREEN LENGTH: 6 Ft.

LOGGED BY: E. Fisker

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON / CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0			18-inch concrete core Existing well: over drilled to 30 Ft. with 8-inch auger and all casing and annular seal removed Backfill 2 feet of hydrated bentonite Re-advanced with 10-inch auger to 28 Ft. TD and casing installed See Boring Log for MW-6 (7/18/95) for geologic discription				Cement Grout 2" Schedule 40 PVC Casing/Screen Bentonite Plug 0.02 Slotted Screen #2 Monterey Sand
	5							
	10							
	15							
	20							
	25							

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: MW-6R

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

DRILLER: RSI Drilling

DRILLING METHOD: HSA

BORING DIAMETER: 10-inch

LOGGED BY: E. Fisker

DATE DRILLED: August 10, 2010

CASING ELEVATION: 181.34 Ft.

First Encountered GW: 9.64 Ft.
Stablized GW: 9.55 Ft.

T.O.C. TO SCREEN: 22 Ft.

SCREEN LENGTH: 6 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				18-inch concrete core Existing well: over drilled to 30 Ft. with 8-inch auger and all casing and annular seal removed Backfill 2 feet of hydrated bentonite Re-advanced with 10-inch auger to 28 Ft. TD and casing installed See Boring Log for MW-6 (7/18/95) for geologic discription					Bentonite Plug

30

35

40

45

50

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: MW-7R

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

DRILLER: RSI Drilling

DRILLING METHOD: HSA

BORING DIAMETER: 10-inch

LOGGED BY: E. Fisker

DATE DRILLED: August 11, 2010

CASING ELEVATION: 179.14 Ft.

First Encountered GW: 9.11 Ft.
Stablized GW: 9.39 Ft.

T.O.C. TO SCREEN: 24 Ft.

SCREEN LENGTH: 6 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0			18-inch concrete core Existing well: over drilled to 30 Ft. with 8-inch auger and all casing and annular seal removed Re-advanced with 10-inch auger to 30 Ft. TD and casing installed See Boring Log for MW-7 (7/18/95) for geologic discription					Cement Grout 2" Schedule 40 PVC Casing/Screen Bentonite Plug #3 Monterey Sand
	5								
	10								
	15								
	20								
	25								

COMMENTS:

ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE: MW-7R

PROJECT: 2762

SITE LOCATION: 3519 Castro Valley Blvd., Castro Valley

DRILLER: RSI Drilling

DRILLING METHOD: HSA

BORING DIAMETER: 10-inch

LOGGED BY: E. Fisker

DATE DRILLED: August 11, 2010

CASING ELEVATION: 179.14 Ft.

First Encountered GW: 9.11 Ft.
Stablized GW: 9.39 Ft.

T.O.C. TO SCREEN: 24 Ft.

SCREEN LENGTH: 6 Ft.

APPROVED BY: M. Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SAMPLED: SPLIT SPOON	SAMPLED: CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				18-inch concrete core Existing well: over drilled to 30 Ft. with 8-inch auger and all casing and annular seal removed Re-advanced with 10-inch auger to 30 Ft. TD and casing installed See Boring Log for MW-7 (7/18/95) for geologic discription					0.02 Slotted Screen
	30								
	35								
	40								
	45								
	50								

COMMENTS:

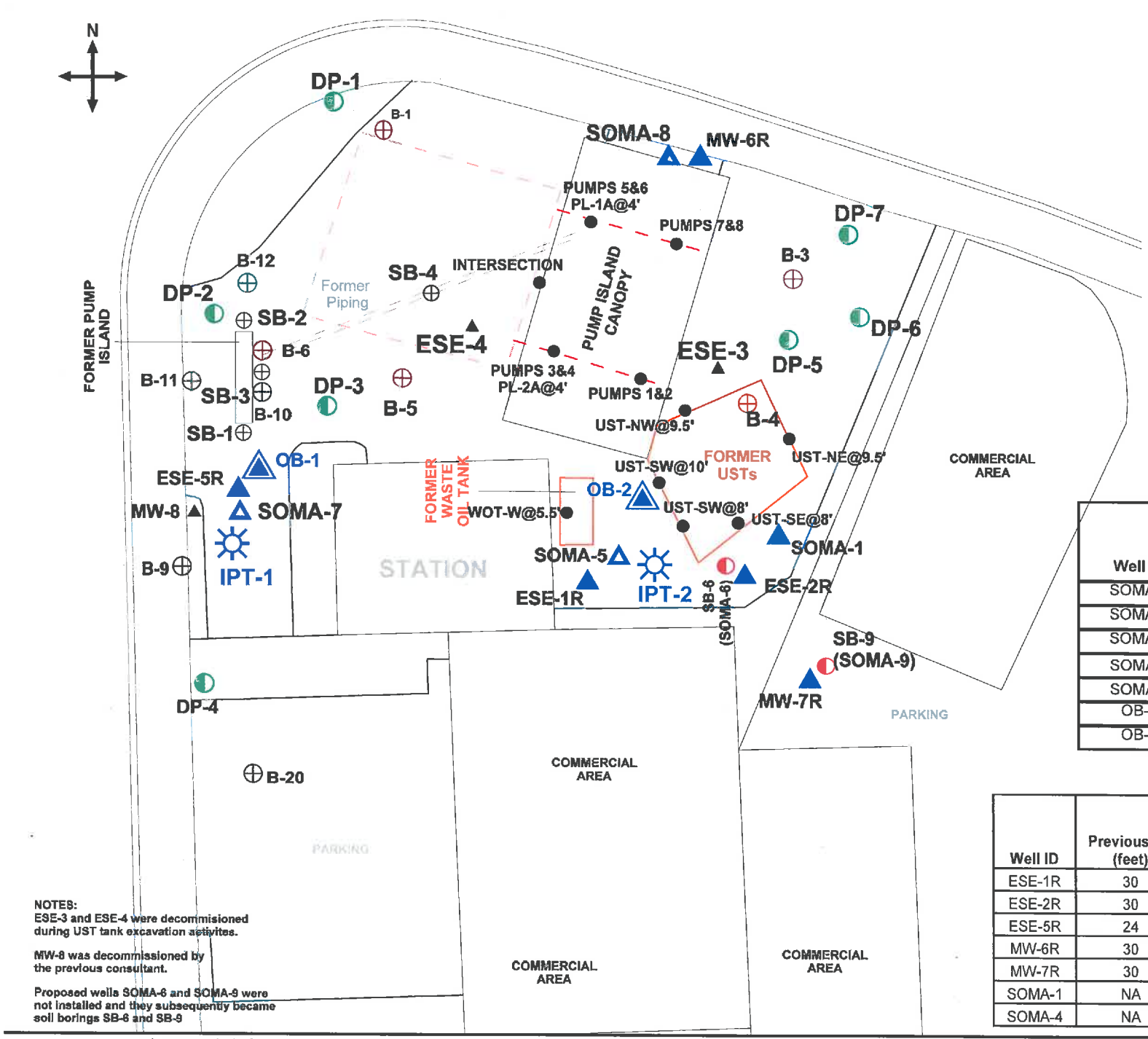
ATTACHMENT 4

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA - PETROLEUM								
Closure Scenario								
Exemption: _X_ Active fueling station exempt from vapor specific criteria; Active as of date: 3/28/2017								
__ Scenario 1; __ Scenario 2; __ Scenario 3a; __ Scenario 3b; __ Scenario 3c; __ Scenario 4a without bioattenuation zone; __ Scenario 4b with bioattenuation zone; __ Site specific risk assessment demonstrates human health is protected;__ Exposure controlled through use of mitigation measures or institutional controls; __ Case closed in spite of not meeting the vapor specific media criteria								
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria								
Site Specific Data		**Scenario 1**	**Scenario 2**	**Scenario 3A**	**Scenario 3B**	**Scenario 3C**	**Scenario 4a**	**Scenario 4b**
Unweathered LNAPL	No LNAPL	LNAPL in gw	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	≥10 feet below ground surface (bgs)	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	No criteria	≥ 5 feet
Depth to Shallowest Groundwater	6.5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥ 5 feet	≥ 5 feet	≥ 5 feet
Total TPHg & TPHd in Soil in Bioattenuation Zone	720 mg/kg B-3 at 12 feet	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	No criteria	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	SOMA-7, 680 ug/L	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria	No criteria
Oxygen Data in Bioattenuation Zone	7.2% to 20%	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4%	No criteria	≥4% at bottom of zone
Soil Vapor Depth Beneath Foundation	7.5 feet	No criteria	No criteria	No criteria	No criteria	No criteria	5 feet	5 feet
Benzene Concentrations (µg/m^3)	46 µg/m^3	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 85; Com: < 280	Res: < 85K; Com: < 280K
Ethylbenzene Concentrations (µg/m^3)	<22 µg/m^3	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 1,100; Com: < 3,600	Res: < 1,100K; Com: < 3,600K
Naphthalene Concentrations (µg/m^3)	11 µg/m^3	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 93; Com: < 310	Res: < 93K; Com: < 310K

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA – PETROLEUM (cont.)	
Vapor Intrusion to Indoor Air Analysis	
Onsite	The unsaturated zone at the site is greater than 10 feet thick. A soil gas survey conducted October 2013 to November 2014 concluded that soil vapor intrusion did not appear to be a significant risk to onsite workers or nearby commercial workers or residents.
Offsite	A soil gas survey conducted October 2013 to November 2014 concluded that soil vapor intrusion did not appear to be a significant risk to onsite workers or nearby commercial workers or residents. The petroleum hydrocarbon plume does not appear to extend offsite as defined by wells SOMA-2, SOMA-3, and SOMA-4 located 190 feet south-southeast and down gradient of the site.



Shallow WBZ Wells:

Well ID	Total Depth (feet)	Screen Interval (feet bgs)
SOMA-2	15	10 to 15
SOMA-3	15	10 to 15
SOMA-5	15	5 to 15
SOMA-7	15	5 to 15
SOMA-8	15	5 to 15
OB-1	16	5 to 16
OB-2	17	5 to 17

Semi-Confined WBZ Wells:

Well ID	Previous TD (feet)	Previous Screen Interval (feet bgs)	Total Depth (feet)	Screen Interval (feet bgs)
ESE-1R	30	10 to 30	25	18 to 25
ESE-2R	30	10 to 30	28	22 to 28
ESE-5R	24	9 to 24	24	18 to 24
MW-6R	30	18 to 30	28	22 to 28
MW-7R	30	18 to 30	30	24 to 30
SOMA-1	NA	NA	30	22 to 30
SOMA-4	NA	NA	23	16 to 23

NOTES:
ESE-3 and ESE-4 were decommisioned during UST tank excavation activites.

MW-8 was decommissioned by the previous consultant.

Proposed wells SOMA-6 and SOMA-9 were not installed and they subsequently became soil borings SB-6 and SB-9

approximate scale in feet
0 30 60

Figure 2A: Site map showing locations of newly installed observation wells and water injection borings.

SOMA ENVIRONMENTAL ENGINEERING, INC.

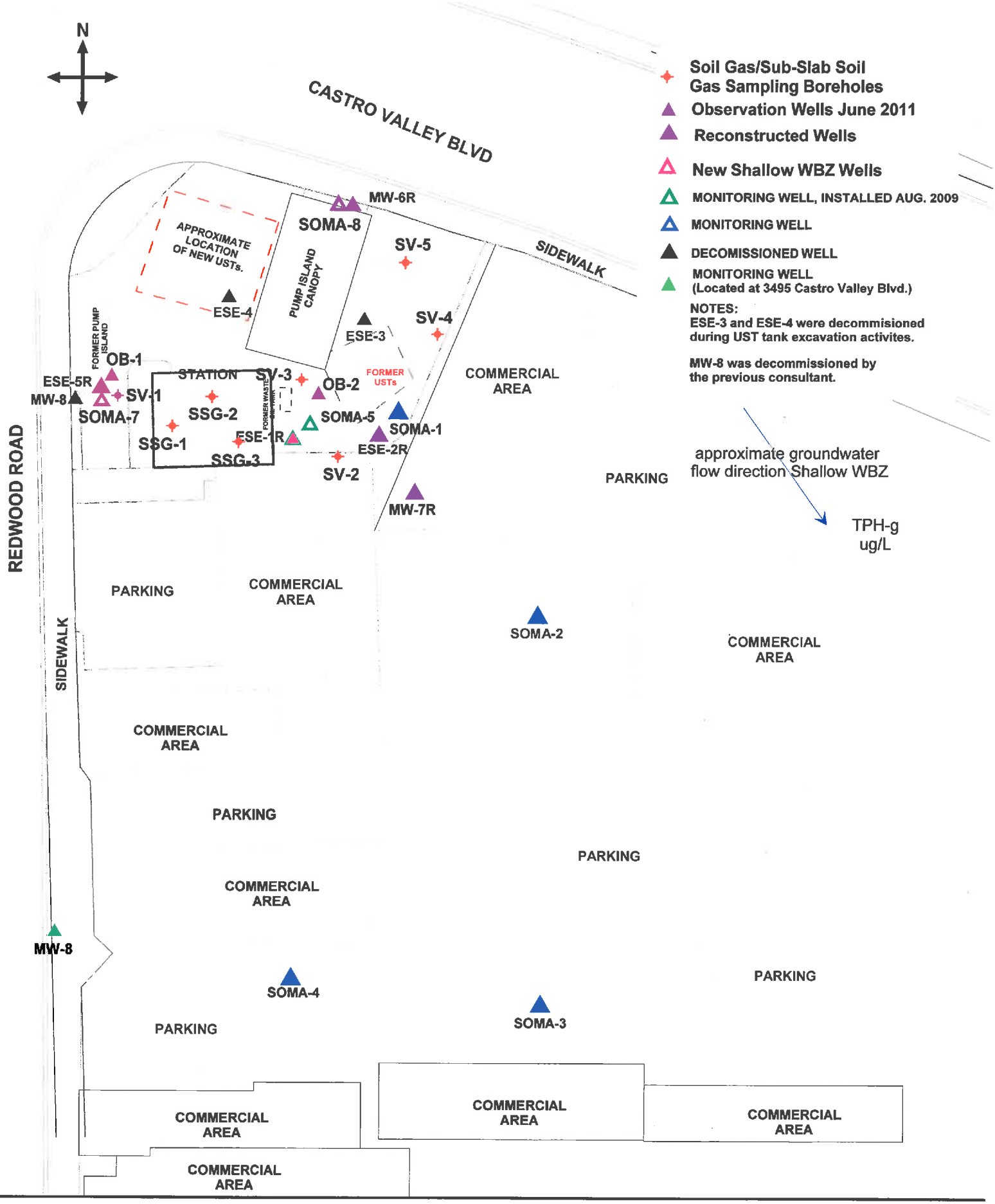


Figure 3: Locations of Soil Gas Sampling Boreholes and Sub-Slab Soil Gas Sampling Probes

SOMA ENVIRONMENTAL ENGINEERING, INC.

Table 1
Soil Vapor Analytical Results
3519 Castro Valley Blvd.
Castro Valley, California

Compound	Date	Sample ID										Shallow Soil Gas Screening Levels (ESLs)		LTCP Screening Levels (Scenario 4, no bioattentuation zone)		LTCP Screening Levels (Scenario 4, with bioattentuation zone)	
		SV-1	SV-2	SV-3	SV-4	SV-5	SSG-1	SSG-2	SSG-3	SV-1D *duplicate sample*	SSG-1D *duplicate sample*	Commercial/ Industrial	Residential	Commercial/ Industrial	Residential	Commercial/ Industrial	Residential
		(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)
Benzene	10/10/2013	51	63	250	51	43	<32	<32	18	53	NA						
	6/10/2014	NA	NA	<32	<32	<32	<32	<32	<32	NA	<32	420	42	280	85	280,000	85,000
	11/10/2014	32	NA	46	<32	<32	<32	<32	<32	37	NA						
Toluene	10/10/2013	99	85	44	160	26	<19	<19	94[J]	73	NA						
	6/10/2014	NA	NA	<38	<38	<38	65	<38	<38	NA	<38	1,300,000	160,000	NA	NA	NA	NA
	11/10/2014	<38	NA	<38	<38	<38	<38	<38	<38	<38	NA						
Ethyl Benzene	10/10/2013	280	38	820	68	<22	<22	<22	140	230	NA						
	6/10/2014	NA	NA	<22	<22	<22	<22	<22	<22	NA	<22	4,900	490	3,600	1,100	3,600,000	1,100,000
	11/10/2014	<22	NA	<22	<22	<22	<22	<22	<22	56	NA						
Total Xylenes	10/10/2013	516	109	349	304	44	<22	<22	580[J]	450	NA						
	6/10/2014	NA	NA	<44	<44	<44	46	<44	<44	NA	<44	440,000	52,000	NA	NA	NA	NA
	11/10/2014	<44	NA	<44	<44	<44	<44	<44	<44	62	NA						
Naphthalene	10/10/2013	14	4.7	76	3.7	3.7	9.4	3	65	16	NA						
	6/10/2014	NA	NA	3.6	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<2.5	360	36	310	93	310,000	93,000
	11/10/2014	4.5	NA	11	3.9	5	3.9	3.2	2.9	6.8	NA						
		% by volume	% by volume	% by volume	% by volume	% by volume	% by volume	% by volume	% by volume	% by volume	% by volume						
Carbondioxide	10/10/2013	0.1	1.2	8.2	2.4	6.5	0.13	0.63	3.4	0.1	NA						
	6/10/2014	NA	NA	12	3.1	11	0.66	4.5	3.7	NA	0.66						
	11/10/2014	1.6	NA	11	0.89	10	0.47	4	3.9	NA	NA						
Methane	10/10/2013	0.002	0.00012	0.002	0.00018	0.0001	0.00018	0.00019	<0.00010	0.002	NA						
	6/10/2014	NA	NA	<0.0001	0.00018	<0.0001	<0.0001	<0.0001	<0.0001	NA	<0.0001						
	11/10/2014	0.026	NA	<0.0001	0.00023	<0.0001	<0.0001	<0.0001	<0.0001	NA	NA						
Oxygen	10/10/2013	21	20	11	12	15	21	20	17	21	NA						
	6/10/2014	NA	NA	6.7	17	8.9	20	16	17	NA	20						
	11/10/2014	19	NA	7.2	20	10	20	16	16	NA	NA						
Helium	10/10/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.079	0.056	<0.05	NA						
	6/10/2014	NA	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05						
	11/10/2014	0.18	NA	<0.05	<0.05	<0.05	<0.05	0.094	<0.05	NA	NA						

Laboratory Note:

J- Estimated Value

Note

NL- Not Listed

< - Less Than Laboratory Reporting ILimit

ESLs Environmental Screening Levels per CRWQCB SFBay Region, Interim Final 2013, Table E-2

(Shallow Soil Gas Screening levels for evaluation of Potential Vapor Intrusion Concerns)

LTCP Low Threat Underground Storage Tank Case Closure Policy, Media specific criteria: Petroleum vapor intrusion to indoor air, scenario 4

From SWI_R_2013-11-21

The scope of work will include the following tasks:

Task 1: Permit Acquisition, Health and Safety Plan Preparation and Subsurface Utility Clearance
Task 2: Installation of Permanent Soil Gas Sampling Probes
Task 3: Soil Vapor Sampling
Task 4: Soil Vapor Analysis
Task 5: Report Preparation

The following are descriptions of the above tasks:

2.1 Permit Acquisition, Health and Safety Plan, Utility Clearance

Prior to commencing field activities, SOMA obtained permitting from Alameda County Public Works Agency for drilling activities (Appendix B), and submitted all appropriate drilling notifications to ACEHS (September 30, 2013).

SOMA prepared a site-specific Health and Safety Plan (HASP). The HASP is a requirement of the Occupational Safety and Health Administration (OSHA), "Hazardous Waste Operation and Emergency Response" guidelines (29 CFR 1910.120) and the California Occupational Safety and Health Administration (Cal/OSHA) "Hazardous Waste Operation and Emergency Response" guidelines (CCR Title 8, section 5192). The HASP is designed to address safety provisions during field activities and protect the field crew from physical and chemical hazards resulting from drilling and sampling. It establishes personnel responsibilities, general safe work practices, field procedures, personal protective equipment standards, decontamination procedures, and emergency action plans. The HASP was reviewed and signed by field staff and contractors prior to beginning field operations at the site.

SOMA's field crew visited the site on October 1, 2013 and marked proposed drilling locations using chalk-based white paint. SOMA contacted Underground Service Alert (USA) to verify that drilling and digging areas were clear of underground utilities on October 1, 2013 (Ticket # 387544). SOMA also retained a private utility locator (Cruz Brothers, October 1, 2013) to survey proposed drilling areas.

2.2 Installation of Permanent Soil Vapor Probes

On October 4, 2013, SOMA oversaw installation of five soil vapor sampling boreholes (SV-1 through SV-5) adjacent to site boundary next to the off- site buildings and also in areas where elevated levels of petroleum hydrocarbons were encountered in the shallow soils. The permanent soil vapor probes were installed by Vironex Drilling (C-57 licensed) utilizing Direct Push Technology (DPT). Figure 3 shows locations of borings SV-1 though SV-5.

Historical groundwater monitoring data at the site indicates that depth to groundwater ranges between 6.45 feet and 10.5 feet below ground surface (bgs). Using the historical groundwater elevation data at each proposed soil vapor probe location the depth of the soil vapor probe was determined so that the bottom of the soil vapor probes stay above the capillary fringe per recommendation of DTSC's guideline.

Soil Vapor Sampling Probe	Installed Depth (ft)
SV-1	5.5
SV-2	7.5
SV-3	7.5
SV-4	8.0
SV-5	8.5

At each boring location, a hand auger was used to clear the boring. Once the boring was hand cleared, a Geoprobe rod was hydraulically advanced to the target vapor sampling depth. During drilling operation, soil-filled liners were retrieved and SOMA's field geologist logged soil cores from each soil vapor sampling probe location using the Unified Soil Classification System. Encountered subsurface lithologies were recorded on the geologic borehole logs. On boring logs, SOMA indicated percent of gravel, sand, silt, and clay. At each depth-discrete soil sampling interval, the DPT drilling rig obtained a 4-foot soil core sample. Appendix C includes field records, soil boring logs and well completion reports. Appendix D includes photographic documentation of field activities.

Once the borehole was drilled, a sand pack was placed at the bottom of the borehole to minimize disruption of airflow to the sampling tip. The thickness of sand was approximately one foot and the tip of the probe was placed midway in the sand pack. After placement of the sand pack, one foot of dry granular bentonite was placed at the top of the sand pack. Following the dry bentonite, the remainder of the borehole was filled with hydrated bentonite. A down-hole rod was used to support the well tubing (1/4-inch Teflon) in the borehole during installation and to ensures that the probe tip was placed at the proper depth. As-built diagrams of soil gas wells are included on boring logs in Appendix C.

2.3 Installation of Sub-Slab Soil Vapor Probes

Also on October 4, 2013, SOMA oversaw Vironex install three shallow semi-permanent sub-slab vapor sampling probes SSG-1 through SSG-3 for evaluation of vapor intrusion concerns into the subject site building. The pins were installed inside the on-site station building.

In order to install each sub-slab sampling probe, a shallow outer hole, of larger diameter than the actual probe hole, was drilled. This outer hole only partially

penetrated the concrete slab (at least 1¾-inches into the slab) and was advanced utilizing a hammer drill. Then a smaller diameter (approximately 5/8-inch) inner hole was drilled through the outer hole and into the remainder of the slab and approximately 1-inch into the underlying soil, forming a void. The drill bit was removed and the loose cuttings were removed with a vacuum. The lower end of the Vapor Pin assembly was hammered into the drilled hole. During installation, the silicone sleeve formed a slight bulge between the slab and the Vapor Pin shoulder, creating a seal. A protective cap was placed on the Vapor Pin to prevent vapor loss prior to sampling and the Vapor Pin was then covered with a flush mount cover. Appendix C includes field records and Appendix E contains installation guide and pictures of Vapor Pin installation.

2.4 Soil Vapor Sampling

Soil vapor samples were collected on October 10, 2013. Prior to soil vapor sampling a shut-in test was conducted at each sampling location to check for a possible leak in the above ground sampling system. To conduct a shut-in test, the above ground valves, lines and fittings down-stream from the top of the probe were assembled. The test was conducted while the connection to the purge pump was in closed position. While the system was under negative pressure, the pressure gauge was observed and any possible vacuum drop was noted and any fittings would be tightened. During the shut in tests there were no leaks causing pressure drops detected. To ensure that stagnant air was removed from the sampling system and that samples are representative of the subsurface conditions, each sampling location was purged of approximately three purge volumes prior to sampling.

A vacuum pump was used to sample the soil gas, and the sampling train that Vironex provided contained a flow regulator. The flow regulator was calibrated to keep the flow from the sampling point set to 200 mL/minute. The sampling pump was connected to the outlet of the sample train, which was connected to the sampling point. A shroud was used with gaseous leak detection (helium) that covered the entire sampling train. A helium detector was used to gauge the amount of helium inside the shroud, keeping the helium at approximately 20 percent. For verification that there was not a leak in the sampling train, a leak check sample was taken using a lung box with a tedlar bag, which was connected to the sampling train. In order to take a sample, the sample pump was started and the start time was recorded. After the desired duration the pump was stopped and time was recorded again.

After sampling, the plugs at both ends of sample tube were replaced. The sample ID, tube ID, collection time and date and sample volume were recorded on the chain of custody. One duplicate sample was collected from the sampling location SV-1 and was labeled as SV-1D on the chain-of-custody. The sorbent tubes were stored in a cooler with ice and delivered to the lab. Figure 4 shows the

ATTACHMENT 5

Attachment 5 – Direct Contact Evaluation and Data

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

Closure Scenario

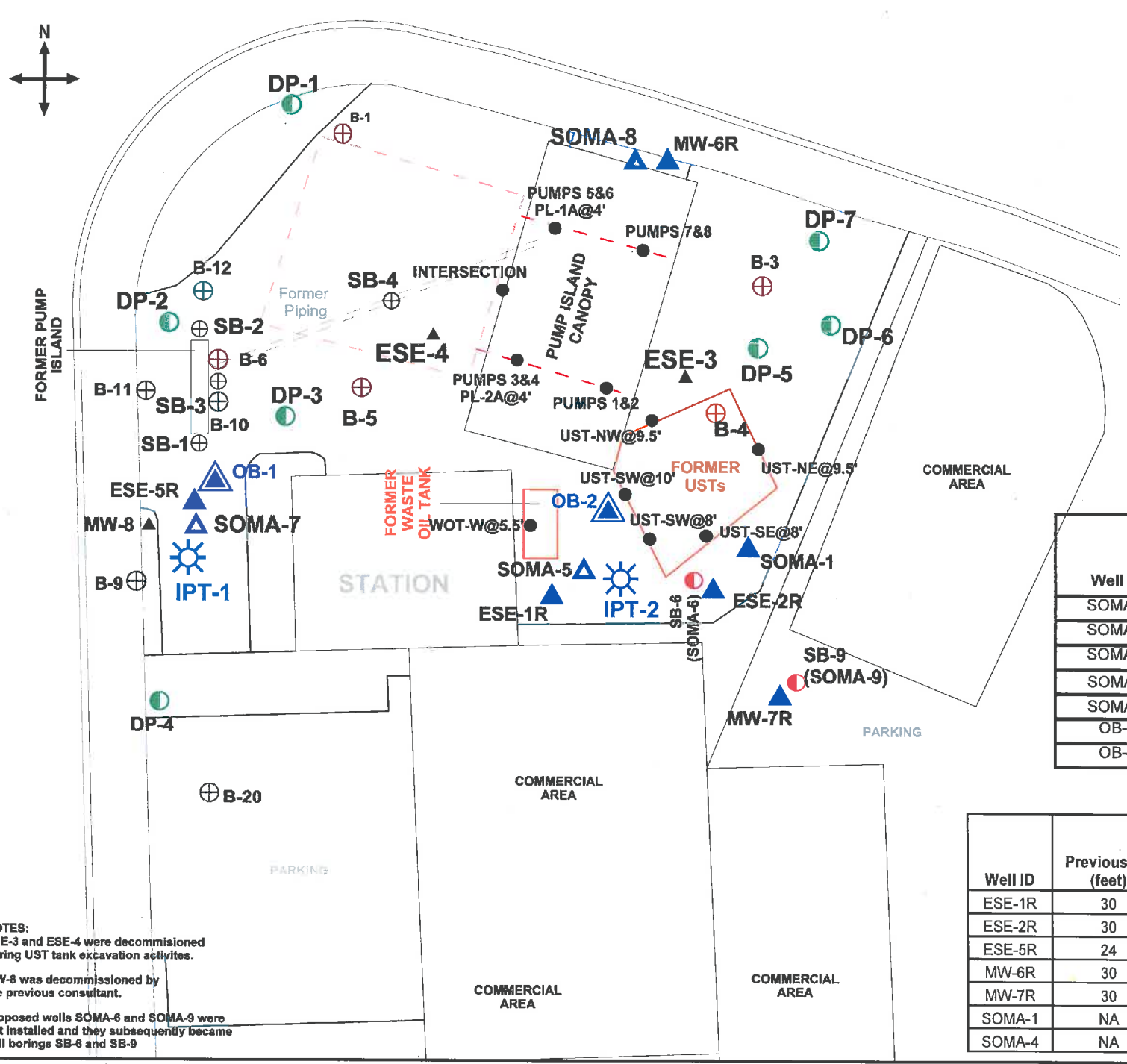
__ Exemption (no petroleum hydrocarbons in upper 10 feet), __ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below, __ Site-specific risk assessment, __ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health, __ A determination has 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, **_X_ This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.**

Shading indicates Site Specific Data that meets the Evaluation Criteria and Bold Text indicates Evaluation Criteria

Are maximum concentrations less than those in Table 1 below?		**No**				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	<1.0	0.15	<1.0	0.15	0.15
LTCP Criteria	Benzene	≤1.9	≤2.8	**≤8.2**	**≤12**	**≤14**
Site Maximum	Ethylbenzene	4.5	9	4.5	9	9
LTCP Criteria	Ethylbenzene	≤21	≤32	**≤89**	**≤134**	**≤314**
Site Maximum	Naphthalene	No Data	<0.0045	No Data	<0.0045	<0.0045
LTCP Criteria	Naphthalene	≤9.7	≤9.7	**≤45**	**≤45**	**≤219**
Site Maximum	PAHs	No Data	----	No Data	----	No Data
LTCP Criteria	PAHs	≤0.063	NA	**0.68**	**NA**	**4.5**

Direct Contact and Outdoor Air Analysis

Onsite	Polyaromatic hydrocarbons (PAHs) was not included in the list of soil analytes for samples collected at depths less than 5 feet bgs at the site and are unknown; consequently, the site does not meet the Direct Contact and Outdoor Air criteria for Utility Worker, Commercial/Industrial, or Residential land use. Alameda County Department of Environmental Health (ACDEH) has made the determination that there is low potential for direct contact exposure because of the current land use as gasoline service station. Under the current land use, the entire site is paved resulting in a low potential for direct contact exposure. Due to residual contamination at the site, the site is closed as a commercial site with site management requirements. If there is a proposed change in land use to any residential, or conservative land use, or if any redevelopment occurs, ACDEH must be notified as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.
Offsite	Petroleum hydrocarbon impacts were detected at 2 and 4 feet below ground surface in two soil borings located in the sidewalk along Redwood Road on the west side of the site but soil impacts were not observed in the soil borings for SOMA -2, SOMA-3, or SOMA-4 located approximately 200 feet south of the site.



Shallow WBZ Wells:

Well ID	Total Depth (feet)	Screen Interval (feet bgs)
SOMA-2	15	10 to 15
SOMA-3	15	10 to 15
SOMA-5	15	5 to 15
SOMA-7	15	5 to 15
SOMA-8	15	5 to 15
OB-1	16	5 to 16
OB-2	17	5 to 17

Semi-Confined WBZ Wells:

Well ID	Previous TD (feet)	Previous Screen Interval (feet bgs)	Total Depth (feet)	Screen Interval (feet bgs)
ESE-1R	30	10 to 30	25	18 to 25
ESE-2R	30	10 to 30	28	22 to 28
ESE-5R	24	9 to 24	24	18 to 24
MW-6R	30	18 to 30	28	22 to 28
MW-7R	30	18 to 30	30	24 to 30
SOMA-1	NA	NA	30	22 to 30
SOMA-4	NA	NA	23	16 to 23

NOTES:
ESE-3 and ESE-4 were decommisioned during UST tank excavation activites.

MW-8 was decommissioned by the previous consultant.

Proposed wells SOMA-6 and SOMA-9 were not installed and they subsequently became soil borings SB-6 and SB-9

approximate scale in feet
0 30 60

Figure 2A: Site map showing locations of newly installed observation wells and water injection borings.

SOMA ENVIRONMENTAL ENGINEERING, INC.

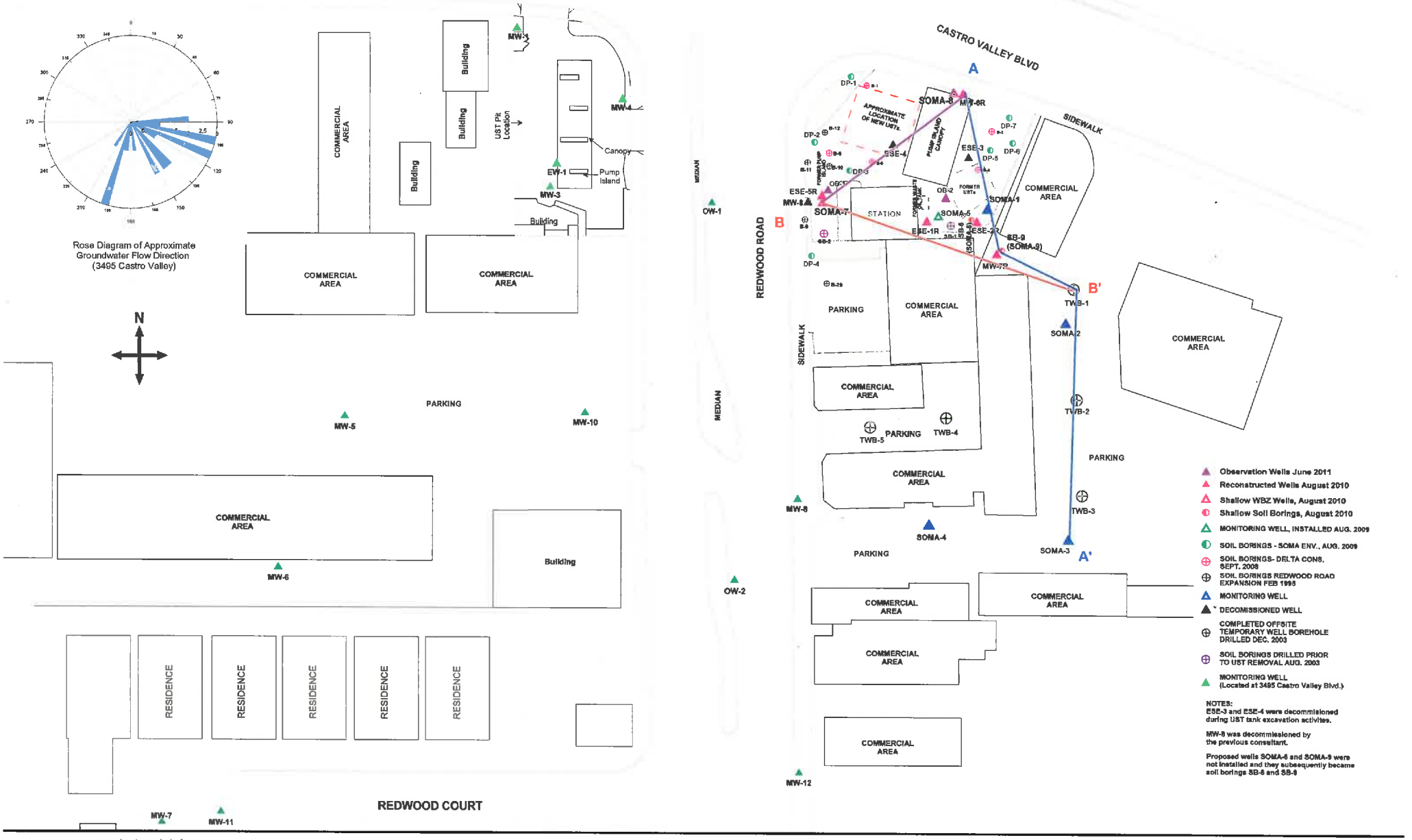


Figure 3: Site Map Showing the Locations of Geological Cross-Sections

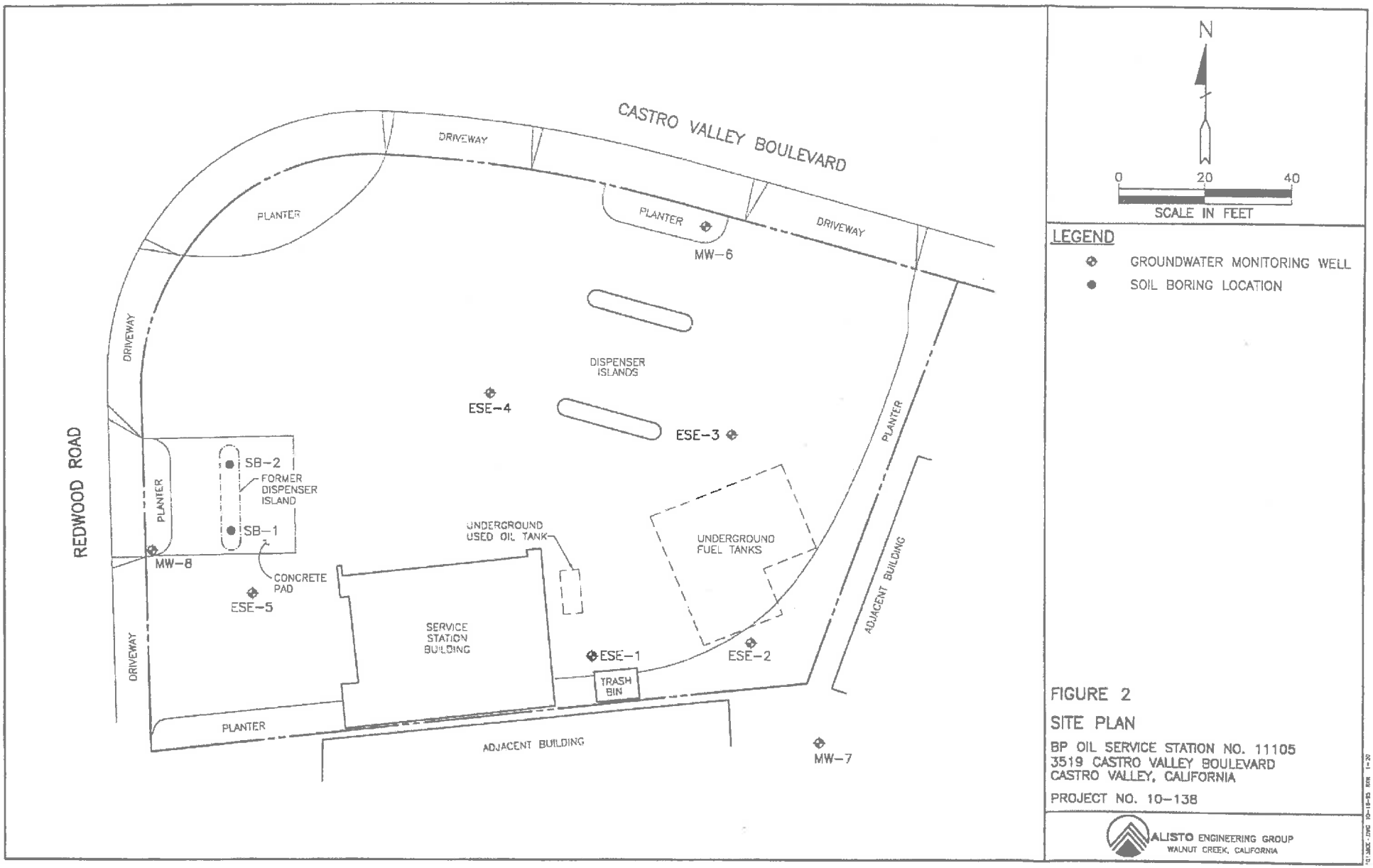


FIGURE 2

SITE PLAN

BP OIL SERVICE STATION NO. 11105
3519 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. 10-138

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

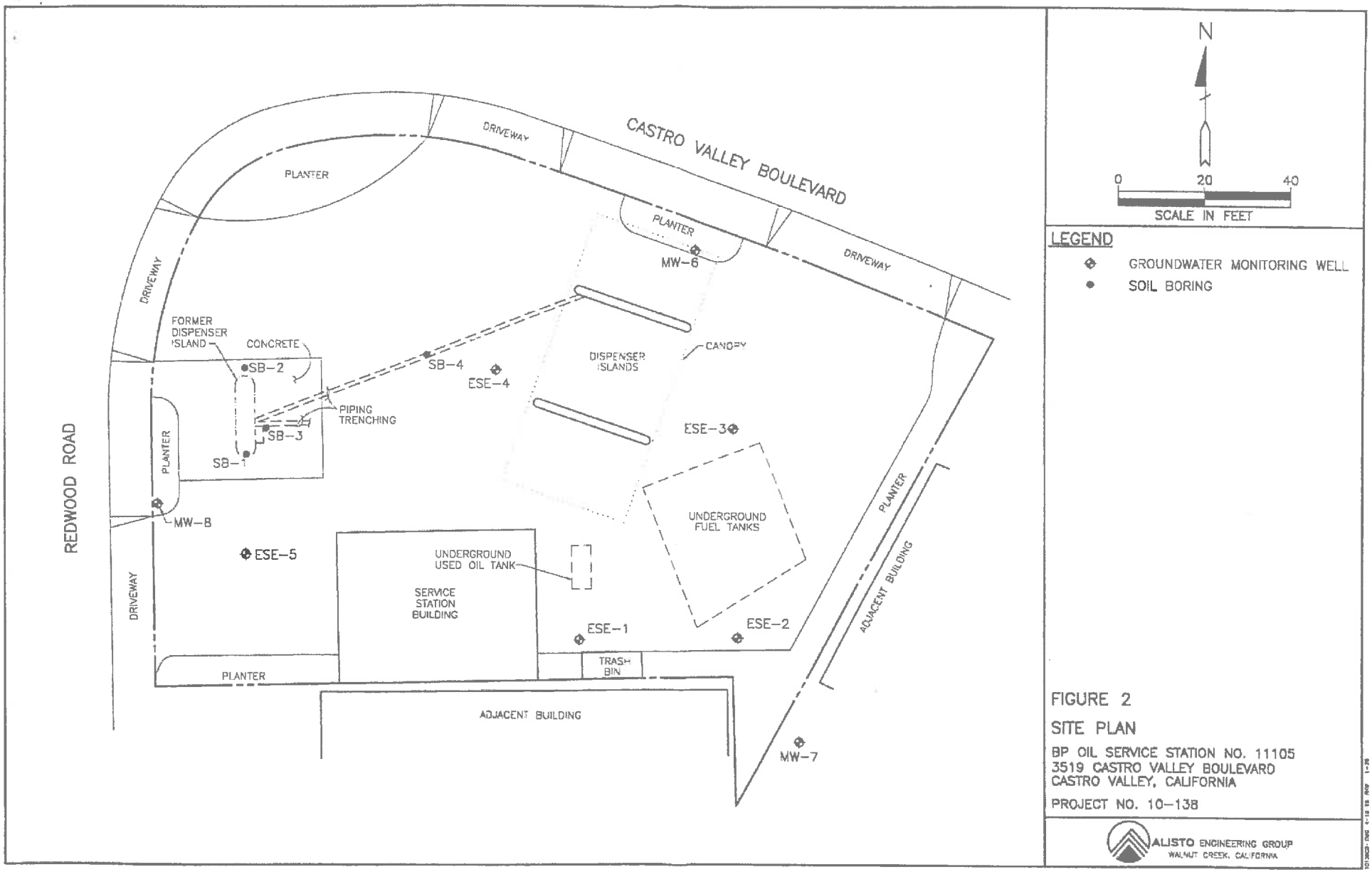


FIGURE 2

SITE PLAN

BP OIL SERVICE STATION NO. 11105
3519 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. 10-138

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

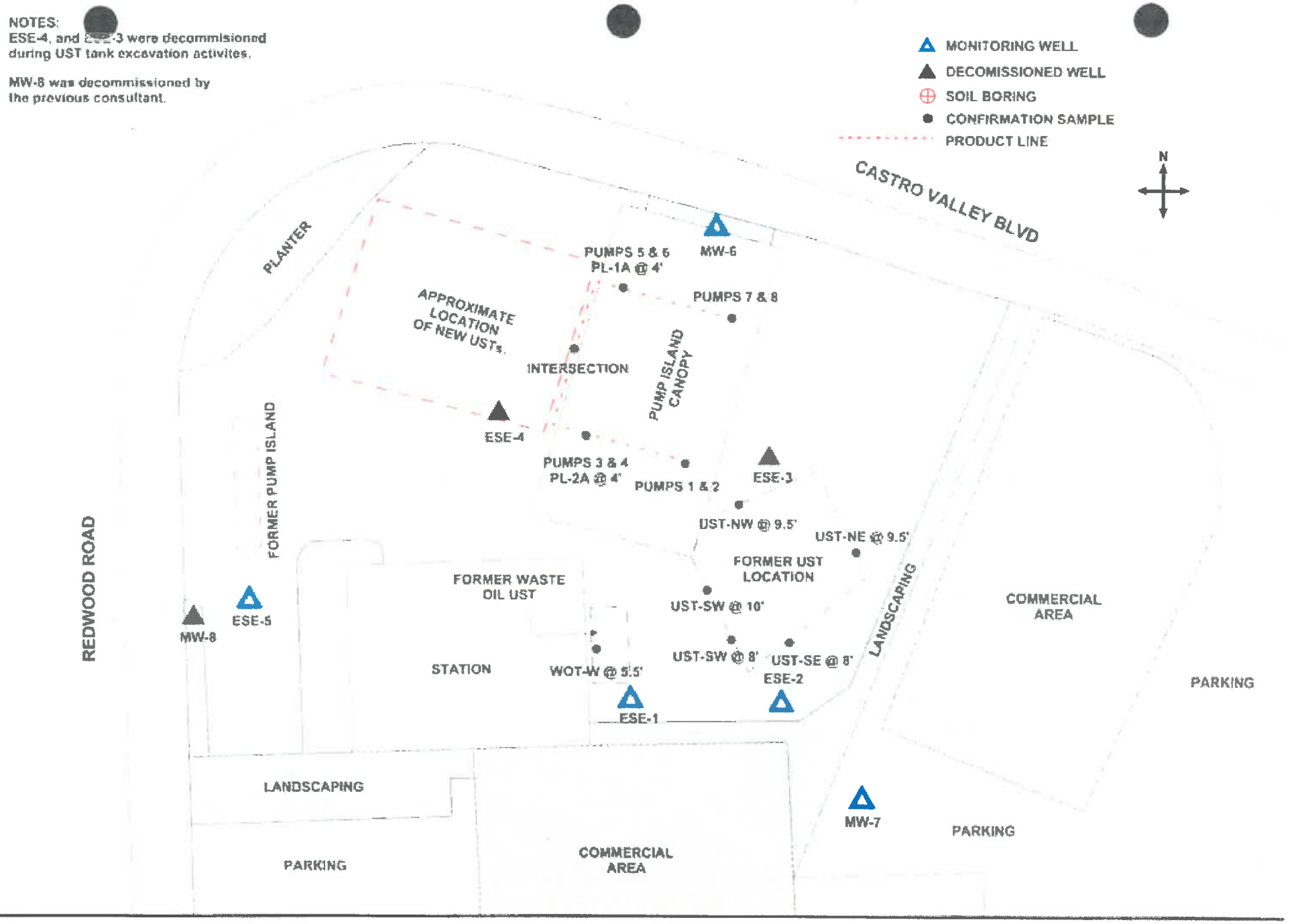


Figure 3: Site map showing locations of confirmations soil samples collected during excavation activities.

Table 1a

Confirmation Soil Analytical Data for USTs
Petroleum Hydrocarbon Analyses
September 4, 2003
3519 Castro Valley Boulevard, Castro Valley, California

Sample Id.	TPH-g (ug/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-Benzene (µg/kg)	Total Xylenes (µg/kg)	MtBE (µg/kg)	TPH-d (ug/kg)
UST-NE @ 9.5'	<960	<4.8	<4.8	<4.8	<4.8	59	<1,000
UST-NW @ 9.5'	2,000	<4.7	<4.7	7	<4.7	69	<1,000
UST-SE @ 8'	<1,100	<5.3	<5.3	<5.3	<5.3	<21	<1,000
UST-SW @ 8'	17,000[H]	<4.9	44[C]	280	112	71	36[LY]
UST-SW @ 10'	<1,000	<5.2	<5.2	<5.2	<5.2	75	<1,000
WOT-W @ 5.5'	<970	<4.9	<4.9	<4.9	<4.9	<19	<990

Notes:
< : not detected above laboratory reporting limits.
Petroleum Hydrocarbons analyzed by EPA 8015 and 8021
[H]: Heavier hydrocarbons contributed to quantitation
[LY]: Lighter hydrocarbons contributed to quantitation and sample exhibits chromatographic pattern that does not resemble standard.
[C]: Presence confirmed but RPD between columns exceeds 40%.
WOT : Waste Oil UST
All EPA 8260B and 8010 compounds not detected above laboratory detection limits in sidewall sample WOT-W @ 5.5'
WOT Heavy Metal Detections (mg/kg): Cadmium: <250; Chromium: 31; Lead: 6.3; Nickel: 36; Zinc: 50

Table 1b

Confirmation Soil Analytical Data for Pump Island Product Lines
Petroleum Hydrocarbon Analyses
September 11&15, 2003
3519 Castro Valley Boulevard, Castro Valley, California

Sample Id (Depth in ft. bgs)	TPH-g (ug/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-Benzene (µg/kg)	Total Xylenes (µg/kg)	MtBE (µg/kg)	Lead (mg/kg)
Pumps 1&2 (2.5')	4,500	<5.5	5.5[C]	16	19.7[C]	<22	9.1
Pumps 3&4 (3')	<1,100	<5.4	<5.4	<5.4	<5.4	<22	6.9
Pumps 5&6 (3')	<1,100	<5.4	<5.4	<5.4	<5.4	<22	7.6
Pumps 7&8 (3')	<1,100	<5.3	<5.3	<5.3	<5.3	<21	18
Intersection (3')	<1,100	<5.5	<5.5	<5.5	<5.5	<22	7.7
PL1 @ 4' (4')[1]	530,000[HY]	<11	<11	340[C]	524[C]	<43	NA
PL2 @ 4' (4')[2]	<1,100	<5.5	<5.5	<5.5	<5.5	<22	NA

Notes:
< : not detected above laboratory reporting limits.
Petroleum Hydrocarbons analyzed by EPA 8015 and 8021
[H]: Heavier hydrocarbons contributed to the quantitation
[Y]: Sample exhibits chromatographic pattern that does not resemble standard.
[C]: Presence confirmed but RPD between columns exceeds 40%.
[1]: Labeled PL-1a on COC and located adjacent to pumps 5&6
[2]: Labeled PL-1a on COC and located adjacent to pumps 3&4
Samples labeled Pumps and Intersection sampled on 9/11/2003
Samples labeled PL1 and PL2 sampled on 9/15/2003

Table 2
Groundwater Analytical Data
Petroleum Hydrocarbon Analyses
September 4, 2003
3519 Castro Valley, Castro Valley, California

Sample Id.	TPH-g (ug/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-Benzene (µg/kg)	Total Xylenes (µg/kg)	MtBE (µg/kg)
Ex. UST Pit	1,300	110	220	18	171	14,000

Notes:
Petroleum Hydrocarbons analyzed by EPA 8015 and 8021

Table 3
Soil Analytical Results - Observation Well Installation
3519 Castro Valley Blvd, Castro Valley, CA

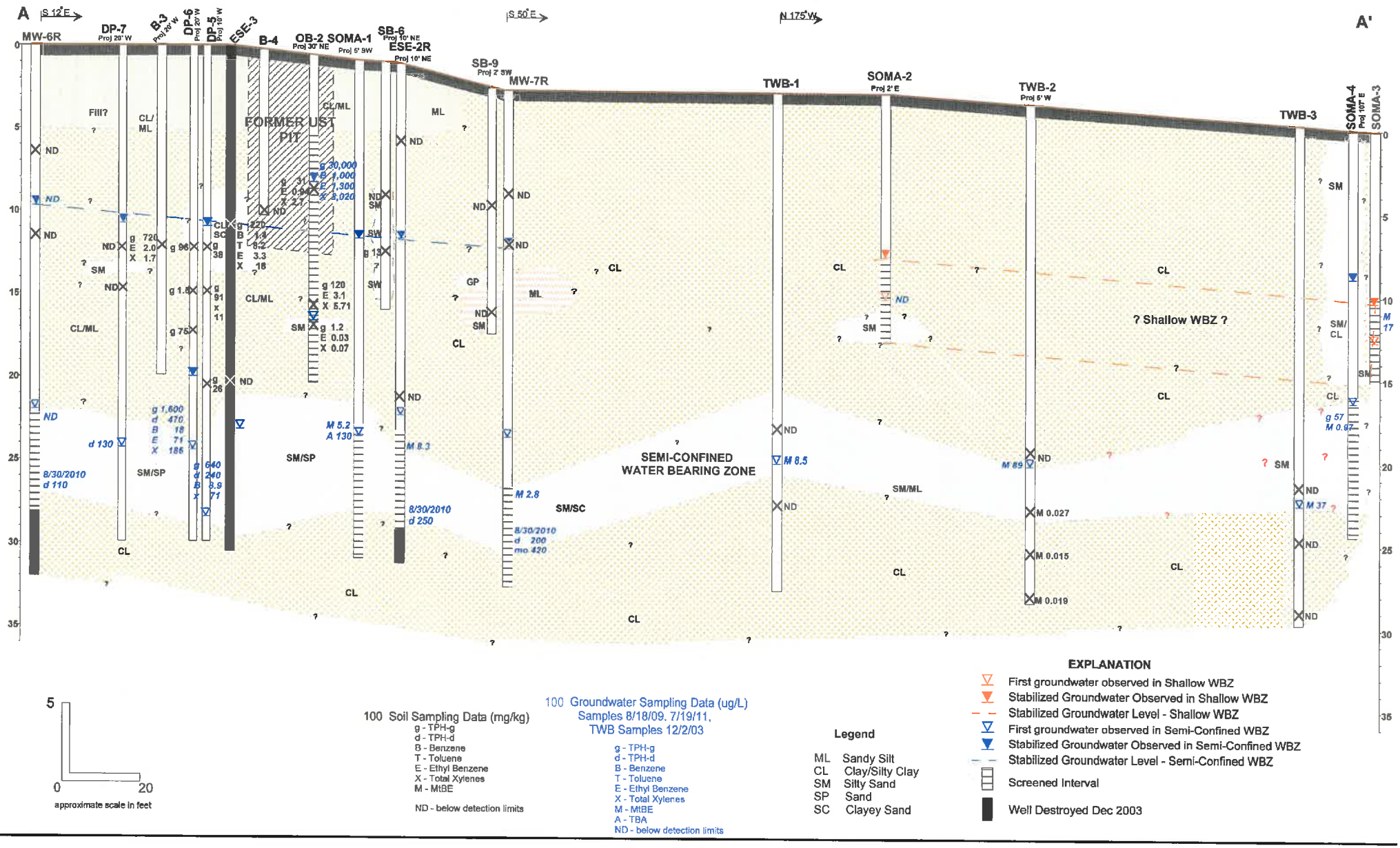
Well	Depth	Date	TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg) 8260B	Naphthalene (mg/kg)
OB-1	11	6/6/2011	<1.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
OB-2	11	6/6/2011	31	<0.25	<0.25	0.94	**2.7**	<0.25	**1.7**
OB-2	15	6/6/2011	**120**	<0.25	<0.25	**3.1**	**5.71**	<0.25	**3**
OB-2	16	6/6/2011	1.2	<0.005	<0.005	0.03	0.0729	0.017	0.014
ESL - Shallow Soil		**83**	**83**	**0.044**	**2.9**	**2.3**	**2.3**	**0.023**	**1.3**
ESL-Deep Soil Residential,		**83**	**83**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	**3.4**

Well	Depth	Date	2-Butanone (mg/kg)	Isopropylbenzene (mg/kg)	Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	para-Isopropyl Toluene (mg/kg)	n-Butylbenzene (mg/kg)
OB-1	11	6/6/2011	<0.0095	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
OB-2	11	6/6/2011	<0.5	0.58	2	3.5	12	0.33	<0.25	1
OB-2	15	6/6/2011	<0.5	0.69	2.6	3.5	15	0.51	0.35	1.6
OB-2	16	6/6/2011	0.020	<0.005	0.015	0.025	0.11	<0.005	<0.005	0.0073

Notes:

< : Not detected above laboratory reporting limit.

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Shallow/Deep Soil, Commercial, Groundwater is a current or potential source of drinking water, Tables A and C. Interim Final November 2007, Revised May 2008



5
0 20
approximate scale in feet

100 Soil Sampling Data (mg/kg)
g - TPH-g
d - TPH-d
B - Benzene
T - Toluene
E - Ethyl Benzene
X - Total Xylenes
M - MtBE
ND - below detection limits

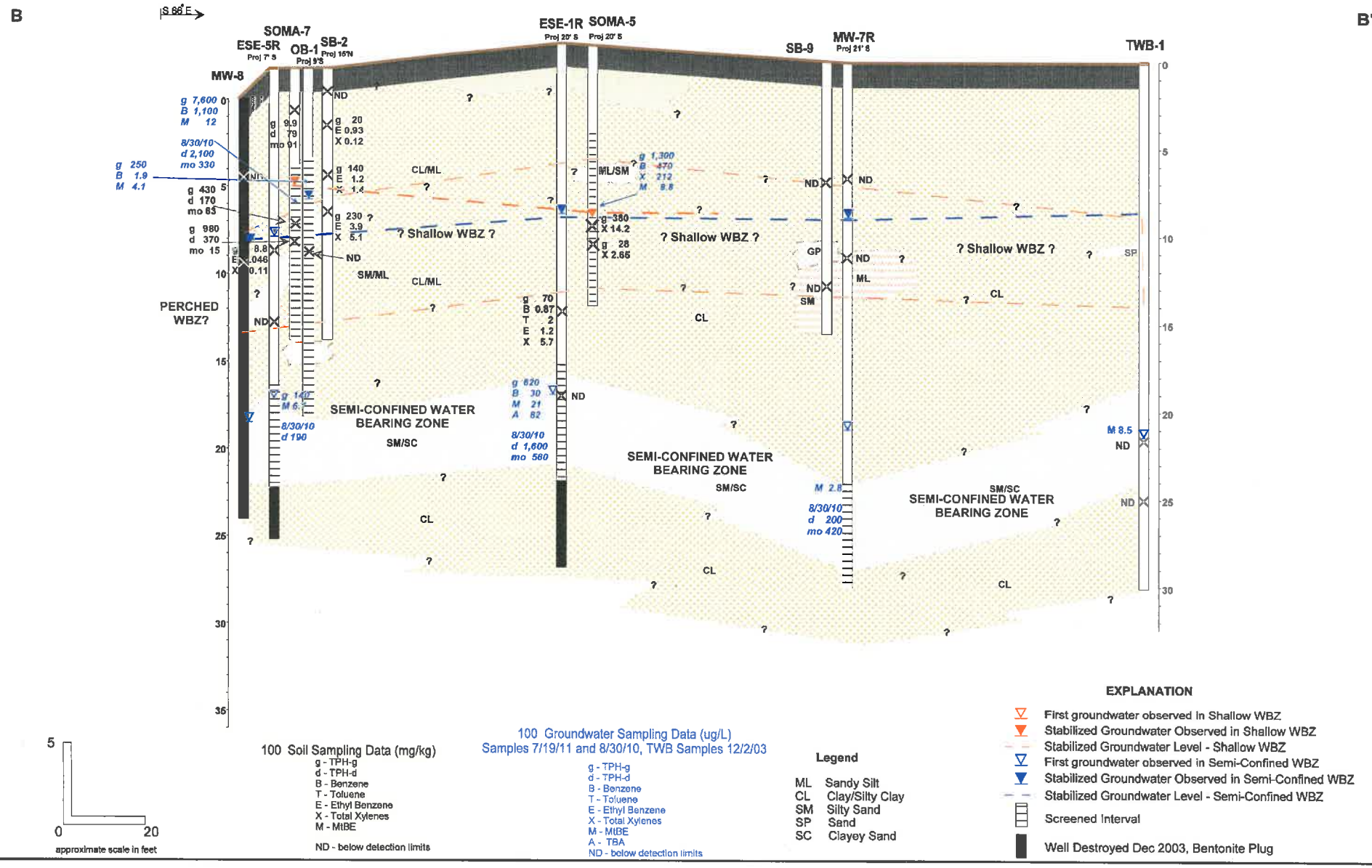
100 Groundwater Sampling Data (ug/L)
Samples 8/18/09, 7/19/11,
TWB Samples 12/2/03
g - TPH-g
d - TPH-d
B - Benzene
T - Toluene
E - Ethyl Benzene
X - Total Xylenes
M - MtBE
A - TBA
ND - below detection limits

Legend
ML Sandy Silt
CL Clay/Silty Clay
SM Silty Sand
SP Sand
SC Clayey Sand

EXPLANATION
First groundwater observed in Shallow WBZ
Stabilized Groundwater Observed in Shallow WBZ
Stabilized Groundwater Level - Shallow WBZ
First groundwater observed in Semi-Confined WBZ
Stabilized Groundwater Observed in Semi-Confined WBZ
Stabilized Groundwater Level - Semi-Confined WBZ
Screened Interval
Well Destroyed Dec 2003

Figure 4: Geologic Cross-Section A-A'

SOMA ENVIRONMENTAL ENGINEERING, INC.



5
0 20
approximate scale in feet

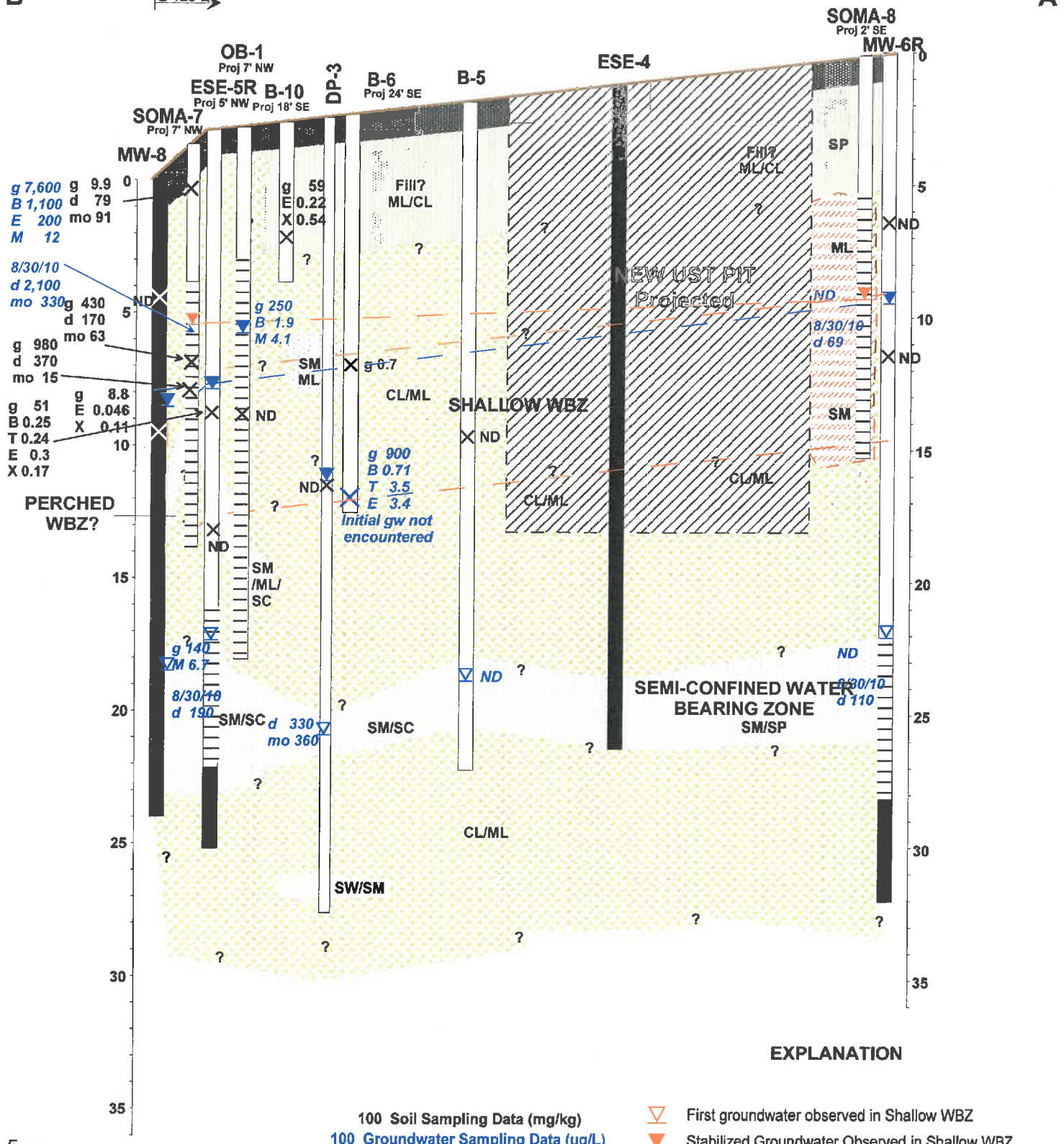
100 Soil Sampling Data (mg/kg)
g - TPH-g
d - TPH-d
B - Benzene
T - Toluene
E - Ethyl Benzene
X - Total Xylenes
M - MtBE
ND - below detection limits

100 Groundwater Sampling Data (ug/L)
Samples 7/19/11 and 8/30/10, TWB Samples 12/2/03
g - TPH-g
d - TPH-d
B - Benzene
T - Toluene
E - Ethyl Benzene
X - Total Xylenes
M - MtBE
A - TBA
ND - below detection limits

Legend
ML Sandy Silt
CL Clay/Silty Clay
SM Silty Sand
SP Sand
SC Clayey Sand

EXPLANATION
First groundwater observed in Shallow WBZ
Stabilized Groundwater Observed in Shallow WBZ
Stabilized Groundwater Level - Shallow WBZ
First groundwater observed in Semi-Confined WBZ
Stabilized Groundwater Observed in Semi-Confined WBZ
Stabilized Groundwater Level - Semi-Confined WBZ
Screened Interval
Well Destroyed Dec 2003, Bentonite Plug

Figure 5: Geologic Cross-Section B-B'



EXPLANATION

100 Soil Sampling Data (mg/kg)

100 Groundwater Sampling Data (ug/L)
Samples 7/26/10; 8/30/10; 7/19/11

g - g - TPH-g
d - d - TPH-d
B - B - Benzene
T - T - Toluene
E - E - Ethyl Benzene
X - X - Total Xylenes
M - M - MtBE
A - TBA
ND - ND - below detection limits

Legend

ML Sandy Silt
CL Clay/Silty Clay
SM Silty Sand
SP Sand
SC Clayey Sand

First groundwater observed in Shallow WBZ
Stabilized Groundwater Observed in Shallow WBZ
Stabilized Groundwater Level - Shallow WBZ
First groundwater observed in Semi-Confined WBZ
Stabilized Groundwater Observed in Semi-Confined WBZ
Stabilized Groundwater Level - Semi-Confined WBZ
Screened Interval
Well Destroyed Dec 2003

5
0 20
approximate scale in feet

Figure 6: Geologic Cross-Section B-A'

SOMA ENVIRONMENTAL ENGINEERING, INC.

Table 1

Historical Soil Analytical Data

3519 Castro Valley Blvd., Castro Valley

Sample ID	Consultant	Sample Depth (feet)	Sample Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	TOG (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	Napthalene (mg/kg)	Lead (mg/kg)
WO1	Kaprealian	8.5	9/20/1988	<1.0	NA	NA	<1.0	0.0068	0.0095	<0.005	<0.005	NA	NA	NA
Comp A	Kaprealian	Composite	9/20/1988	<1.0	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
Comp B	Kaprealian	Composite	10/4/1988	<1.0	<10	NA	<50	NA	NA	NA	NA	NA	NA	NA
ESE-1	Alisto	15	9/29/1992	70	<5.0	NA	<50	**0.87**	2	1.2	**5.7**	NA	NA	NA
ESE-1	Alisto	20	9/29/1992	<1.0	<5.0	NA	<50	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
ESE-2	Alisto	10.5	9/28/1992	<1.0	<5.0	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
ESE-2	Alisto	20	9/28/1992	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
ESE-3	Alisto	10.5	9/29/1992	**220**	NA	NA	NA	**1.4**	**8.2**	**3.3**	**18**	NA	NA	NA
ESE-3	Alisto	20	9/29/1992	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
ESE-4	Alisto	6.5	9/28/1992	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
ESE-4	Alisto	10	9/28/1992	24	NA	NA	NA	**0.15**	0.17	0.23	0.82	NA	NA	NA
ESE-5	Alisto	10	9/28/1992	51	NA	NA	NA	**0.25**	0.24	0.3	0.17	NA	NA	NA
ESE-5	Alisto	14	9/28/1992	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
B-9	ACC Env	2	12/5/1994	9.9	NA	NA	NA	0.016	<0.005	0.067	0.23	NA	NA	NA
B-9	ACC Env	4	12/5/1994	1	NA	NA	NA	0.0058	<0.005	0.0065	0.009	NA	NA	NA
B-10	ACC Env	4	12/6/1994	59	NA	NA	NA	<50	<0.005	0.22	0.54	NA	NA	NA
B-11	ACC Env	2	12/6/1994	<10	NA	NA	NA	<50	<0.005	<0.005	<0.005	NA	NA	NA
B-12	ACC Env	4	12/6/1994	<10	NA	NA	NA	<50	<0.005	<0.005	<0.005	NA	NA	NA
B-12	ACC Env	6	12/6/1994	<10	NA	NA	NA	<50	<0.005	<0.005	<0.005	NA	NA	NA
B-20	ACC Env	3	12/8/1994	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
B-20	ACC Env	5	12/8/1994	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
MW-6	Alisto	6 to 6.5	7/18/1995	<2.5	NA	NA	NA	<0.025	<0.025	<0.025	<0.05	NA	NA	NA
MW-6	Alisto	11 to 11.5	7/18/1995	<2.5	NA	NA	NA	<0.025	<0.025	<0.025	<0.05	NA	NA	NA
MW-7	Alisto	6 to 6.5	7/18/1995	<2.5	NA	NA	NA	<0.025	<0.025	<0.025	<0.05	NA	NA	NA
MW-7	Alisto	11 to 11.5	7/18/1995	<2.5	NA	NA	NA	<0.025	<0.025	<0.025	<0.05	NA	NA	NA
MW-8	Alisto	3.5 to 4	7/19/1995	<2.5	NA	NA	NA	<0.025	<0.025	<0.025	<0.050	NA	NA	NA
MW-8	Alisto	7.5 to 8	7/19/1995	8.8	NA	NA	NA	<0.025	<0.025	0.046[E]	0.11[E]	NA	NA	NA
SB-1	Alisto	1.5 to 2	7/19/1995	**140**	NA	NA	NA	<0.1	<0.1	1.4	**4.1**	NA	NA	NA
SB-1	Alisto	3.5 to 4	7/19/1995	**190**	NA	NA	NA	<0.25	0.33	**4.5**	**18**	NA	NA	NA
SB-1	Alisto	7 to 7.5	7/19/1995	**310**	NA	NA	NA	**0.088**	0.088[E]	0.41	2	NA	NA	NA
SB-2	Alisto	1.5 to 2	7/19/1995	<2.5	NA	NA	NA	<0.025	<0.025	<0.025	<0.05	NA	NA	NA
SB-2	Alisto	3.5 to 4	7/19/1995	20	NA	NA	NA	<0.025	<0.025	0.93[E]	0.12[E]	NA	NA	NA
SB-2	Alisto	5.5 to 6	7/19/1995	**140**	NA	NA	NA	<0.25	<0.25	1.2	1.4	NA	NA	NA
SB-2	Alisto	7.5 to 8	7/19/1995	**230**	NA	NA	NA	<0.25	<0.25	**3.9**	**5.1**	NA	NA	NA
SB-3	Alisto	3 to 3.5	3/8/1996	0.17	NA	NA	NA	0.004	0.011	<0.002	<0.002	0.002	NA	NA
SB-3	Alisto	5 to 5.5	3/8/1996	2.9	NA	NA	NA	0.005	0.012	<0.002	<0.002	0.003	NA	NA
SB-3	Alisto	8 to 8.5	3/8/1996	1.2	NA	NA	NA	**0.15**	0.28	<0.020	<0.020	0.059	NA	NA
SB-4	Alisto	2.5 to 3	3/8/1996	0.16	NA	NA	NA	<0.001	0.003	<0.002	<0.002	<0.001	NA	NA
SB-4	Alisto	5 to 5.5	3/8/1996	<0.1	NA	NA	NA	<0.001	0.003	<0.002	<0.002	<0.001	NA	NA

Table 1

Historical Soil Analytical Data

3519 Castro Valley Blvd., Castro Valley

Sample ID	Consultant	Sample Depth (feet)	Sample Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	TOG (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	Napthalene (mg/kg)	Lead (mg/kg)
UST-NE	SOMA	9.5	9/4/2003	<0.96	<1.0	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	**0.059**	NA	NA
UST-NW	SOMA	9.5	9/4/2003	2[H]	<1.0	NA	NA	<0.0047	<0.0047	0.007	<0.0047	**0.069**	NA	NA
UST-SE	SOMA	8	9/4/2003	<1.1	<1.0	NA	NA	<0.0053	<0.0053	<0.0053	<0.0053	<0.021	NA	NA
UST-SW	SOMA	8	9/4/2003	17[H]	36[LY]	NA	NA	<0.0049	0.044[C]	0.28	0.112	**0.071**	NA	NA
UST-SW	SOMA	10	9/4/2003	<1.0	<1.0	NA	NA	<0.0052	<0.0052	<0.0052	<0.0052	**0.075**	NA	NA
WOT-W	SOMA	5.5	9/4/2003	<0.97	<0.99	NA	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.019	NA	6.3
Pumps 1&2	SOMA	2.5	9/11/2003	4.5[HY]	NA	NA	NA	<0.0055	0.0055[C]	0.016	0.0197[C]	<0.022	NA	9.1
Pumps 3&4	SOMA	3	9/11/2003	<1.1	NA	NA	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.022	NA	6.9
Pumps 5&6	SOMA	3	9/11/2003	<1.1	NA	NA	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.022	NA	7.6
Pumps 7&8	SOMA	3	9/11/2003	<1.1	NA	NA	NA	<0.0053	<0.0053	<0.0053	<0.0053	<0.021	NA	18
Intersection	SOMA	3	9/11/2003	<1.1	NA	NA	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.022	NA	7.7
PL1[1]	SOMA	4	9/13/2003	**530[HY]**	NA	NA	NA	<0.011	<0.011	0.34[C]	0.524[C]	<0.043	NA	NA
PL2[2]	SOMA	4	9/13/2003	<1.1	NA	NA	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.022	NA	NA
SB1- Comp	SOMA	Composite	8/20/2003	<1.0	NA	NA	NA	0.02[C]	<0.0052	0.0098	0.013	**0.23**	NA	7.2
SB2 - Comp	SOMA	Composite	8/20/2003	390	NA	NA	NA	<0.13	<0.13	**2.8**	**9.8**	<0.5	NA	8.2
Comp 1	SOMA	Composite	9/3/2003	8.8	NA	NA	NA	<0.0054	<0.0054	0.032	0.049	<0.018	NA	10
Comp 2	SOMA	Composite	9/4/2003	<0.99	NA	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	4.6
Comp 2R	SOMA	Composite	9/5/2003	21[H]	4.8[HLY]	NA	NA	<0.01	0.024[C]	0.054[C]	0.01[C]	<0.041	NA	5.3
Comp ESE-3WA	SOMA	Composite	10/3/2008	<1.1	NA	NA	NA	<0.0055	<0.0055	<0.0055	0.008	<0.022	NA	4
TWB-1	SOMA	22	12/2/2003	<1.0	NA	NA	NA	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	NA	NA
TWB-1	SOMA	25	12/2/2003	<0.94	NA	NA	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA	NA
TWB-2	SOMA	22	12/2/2003	<1.1	NA	NA	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA	NA
TWB-2	SOMA	24	12/2/2003	<1.0	NA	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	**0.027**	NA	NA
TWB-2	SOMA	27	12/2/2003	<1.1	NA	NA	NA	<0.0043	<0.0043	<0.0043	<0.0043	0.015	NA	NA
TWB-2	SOMA	29	12/2/2003	<1.0	NA	NA	NA	<0.0047	<0.0047	<0.0047	<0.0047	0.019	NA	NA
TWB-3	SOMA	22	12/2/2003	<0.95	NA	NA	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
TWB-3	SOMA	25	12/2/2003	<0.95	NA	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	NA
TWB-3	SOMA	29	12/2/2003	<1.0	NA	NA	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA	NA
TWB-4	SOMA	10	12/2/2003	<0.93	NA	NA	NA	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	NA	NA
TWB-4	SOMA	27	12/2/2003	<1.1	NA	NA	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA	NA
TWB-4	SOMA	29	12/2/2003	<0.98	NA	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	NA
TWB-5	SOMA	16	12/2/2003	<1.0	NA	NA	NA	0.018	<0.0045	0.041	0.187	<0.0045	NA	NA
TWB-5	SOMA	18	12/2/2003	<0.93	NA	NA	NA	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	NA	NA
TWB-5	SOMA	29	12/2/2003	<0.97	NA	NA	NA	<0.0045	<0.0045	0.0051	0.018	<0.0045	NA	NA

Table 1

Historical Soil Analytical Data

3519 Castro Valley Blvd., Castro Valley

Sample ID	Consultant	Sample Depth (feet)	Sample Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	TOG (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	Napthalene (mg/kg)	Lead (mg/kg)
B-1	Delta	17	8/28/2008	**120**	NA	NA	NA	<0.12	<0.12	<0.12	<0.24	<0.12	NA	NA
B-3	Delta	12	8/28/2008	**720**	NA	NA	NA	<0.5	<0.5	2	1.7	<0.5	NA	NA
B-4	Delta	10	8/28/2008	<0.5	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.005	NA	NA
B-5	Delta	12	8/28/2008	<0.5	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.005	NA	NA
B-6	Delta	9 to 10	8/28/2008	0.7	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.005	NA	NA
DP-1	SOMA	11	8/18/2009	6.1 Y	48 Y	<5.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
DP-1	SOMA	14	8/18/2009	25 Y	35 Y	<5.0	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	NA
DP-1	SOMA	17	8/18/2009	<1.1	1.9 Y	<5.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
DP-2	SOMA	8	8/17/2009	1.4 Y	4.3 Y	<5.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
DP-2	SOMA	12	8/17/2009	1.3 Y	1.6 Y	<5.0	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA	NA
DP-3	SOMA	12	8/17/2009	<1.0	<0.99	<5.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
DP-4	SOMA	6	8/17/2009	<1.1	<1.0	<5.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
DP-4	SOMA	14	8/17/2009	<0.93	<1.0	<5.0	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA
DP-5	SOMA	12	8/18/2009	38	16 Y	<5.0	NA	<0.047 a	<0.047 a	0.11 a	1.87 a	<0.047 a	NA	NA
DP-5	SOMA	14	8/18/2009	**91**	51 Y	22	NA	<0.25 b	<0.25 b	2.4 b	**11 b**	<0.25 b	NA	NA
DP-5	SOMA	20	8/18/2009	26	8.1 Y	<5.0	NA	<0.017 c	<0.017 c	<0.017 c	0.051 c	<0.017 c	NA	NA
DP-6	SOMA	12	8/18/2009	**96**	2.6 Y	<5.0	NA	<0.025 f	<0.025 f	0.54 f	0.2 f	<0.025 f	NA	NA
DP-6	SOMA	14	8/18/2009	1.5	3.9 Y	<5.0	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	NA
DP-6	SOMA	17	8/18/2009	75	9.9	<5.0	NA	<0.04 d	<0.04 d	0.22 d	0.84 d	<0.04 d	NA	NA
DP-7	SOMA	12	8/18/2009	<0.97	<1.0	<5.0	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	NA
DP-7	SOMA	14	8/18/2009	<0.94	<0.99	<5.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA	NA
SOMA-5	SOMA	11	8/18/2009	**380**	31 Y	<5.0	NA	<0.25 b	<0.25 b	2.0 b	**14.2 b**	<0.25 b	NA	NA
SOMA-5	SOMA	12.5	8/18/2009	28	2.6 Y	<5.0	NA	<0.05 e	<0.05 e	0.4 e	**2.65 e**	<0.05 e	NA	NA

Table 1

Historical Soil Analytical Data

3519 Castro Valley Blvd., Castro Valley

Sample ID	Consultant	Sample Depth (feet)	Sample Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	TOG (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	Napthalene (mg/kg)	Lead (mg/kg)
SB-6 (SOMA-6)	SOMA	9	8/9/2010	<1.1	<0.99	<5.0	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA
SB-6 (SOMA-6)	SOMA	11.5	8/9/2010	13 Y	5.3 Y	16.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA
SOMA-7	SOMA	2.5	8/9/2010	9.9 Y	79	91.0	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA
SOMA-7	SOMA	9	8/9/2010	**430 Y**	**170**	63.0	NA	<0.25	<0.25	<0.25	<0.25	<0.25	**3.7**	NA
SOMA-7	SOMA	10	8/9/2010	**980 Y**	**370 Y**	15.0	NA	<2.5	<2.5	**9**	<2.5	<2.5	**13**	NA
SOMA-8	SOMA	7.5	8/9/2010	<1.0	<1.0	<5.0	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA
SOMA-8	SOMA	12.5	8/9/2010	<1.0	<0.99	<5.0	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA
SB-9 (SOMA-9)	SOMA	7	8/9/2010	<1.0	<1.0	<5.0	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA
SB-9 (SOMA-9)	SOMA	13.5	8/9/2010	<1.1	<1.0	<5.0	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NA
ESL - Shallow Soil, Commercial				83	83	2500	2500	0.044	2.9	3.3	2.3	0.023	1.3	750
ESL - Deep Soils, Commercial				83	83	5000	5000	0.044	2.9	3.3	2.3	0.023	3.4	750

Notes:

< - not detected above laboratory reporting limits

NA - not analyzed

C - Presence confirmed but RPD between columns exceeds 40%

E - Analyte Amount Exceeds the Calibration Range

H - Heavier hydrocarbons contributed to the quantitation

L - Lighter Hydrocarbons contriuted to quantitiation

Y - Sample exhibits chromatographic pattern that does not resemble standard

1 - located adjacent to pumps 5&6

2 - located adjacent to pumps 3&4

Petroleum Hydrocarbons analyzed by EPA 8015, 8021, and 8260

TOG - Total Oil and Gas

ESL - Environmental Screening Level, California Regional Water Control Board, Interim Final November 2007, revised May 2008

a Dilution factor 9.434

b Dilution factor 50

c Dilution factor 3.311

d Dilution Factor 8.065

e Dilution Factor 10

f Dilution Factor 4.950

ATTACHMENT 6

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

September 26, 2016

Pargat Singh Aulakh and Rawandiep K. Sran
4527 Heyer Avenue
Castro Valley, CA 94546

Mirazim and Afsar Shakoori
Former Castro Valley Chevron
4313 Mansfield Drive
Danville, CA 94506

Denis Brown
Shell Oil Products US
20945 S. Wilmington Avenue
Carson, CA 90810-1039
(Sent via E-mail to: denis.brown@shell.com)

Paul Supple
Atlantic Richfield Company (A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583
(Sent via E-mail to: paul.supple@bp.com)

Subject: Update of the Notice of Responsibility, Fuel Leak Case No. RO0000346 and GeoTracker Global ID T0600100920, BP #11105 / Shell 17-1445, 3519 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Ladies and Gentlemen:

In a Notice of Requirement (NOR) dated March 20, 2009 Shell Oil Products US was named as a Responsible Party for the fuel leak case. Additional parties have been named as Responsible Parties for the fuel leak case in the attached updated NOR as defined under 23 C.C.R Sec. 2720. Please see Attachment A – Responsible Parties Data Sheet, which identifies all Responsible Parties and provides background on the unauthorized release and Responsible Party Identification.

Should you have any questions, please contact me at (510) 567--6708 or send me an e-mail message at karel.detterman@acgov.org.

Sincerely,

Karel Detterman

Digitally signed by Karel Detterman
DN: cn=Karel Detterman, o, ou, email=karel.detterman@acgov.org, c=US
Date: 2016.09.22 14:10:57 -07'00'

Karel Detterman, P.G.
Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

Attachment A – Responsible Parties Data Sheet-Notice of Responsibility (NOR)

cc: Dilan Roe, ACDEH, (sent via electronic mail to: dilan.roe@acgov.org)
Karel Detterman, ACDEH, (sent via electronic mail to: karel.detterman@acgov.org)
Case Electronic File, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #: 7011 3500 0003 1848 1462

September 26, 2016

NOTICE OF RESPONSIBILITY

Site Name & Address:

BP #11105 / Shell 17-1445
3519 Castro Valley Boulevard
CASTRO VALLEY, CA 94546

Local ID:	**RO0000346**
Related ID:	**3423**
RWQCB ID:	**01-0997**
Global ID:	**T0600100920**

Responsible Party:

PARGAT SINGH AULAKH AND
RAWANDIEP K. SRAN
4527 HEYER AVENUE
CASTRO VALLEY, CA 94546

Date First Reported: 3/25/1993

Substance:
- 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
- 12035 Waste Oil/Used Oil

Funding for Oversight: LOPS - LOP State Fund

Multiple RPs?: Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified Pargat Singh Aulakh and Rawandiep K. Sran as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker Karel Detterman at this office at (510) 567-6708 if you have questions regarding your site.

Ronald Browder Date: 09-26-2016

RONALD BROWDER, Director
Contract Project Director

Action:	Update
Reason:	ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe, ACDEH (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

September 26, 2016

Site Name & Address:

BP #11105 / Shell 17-1445
3519 Castro Valley Boulevard
CASTRO VALLEY, CA 94546

Local ID:	**RO0000346**
Related ID:	**3423**
RWQCB ID:	**01-0997**
Global ID:	**T0600100920**

All Responsible Parties

RP has been named a Primary RP - ATLANTIC RICHFIELD COMPANY (A BP AFFILIATED COMPANY)
ATTN: PAUL SUPPLE
P.O BOX 1257 | SAN RAMON, CA 94583 | No Phone Number Listed

RP has been named a Primary RP – MIRAZIM AND AFSAR A. SHAKOORI
Former Castro Valley Chevron
4313 Mansfield Drive | Danville, CA 94506 | No Phone Number Listed

RP has been named a Primary RP - SHELL OIL PRODUCTS US
ATTN: DENIS BROWN
20945 S. Wilmington Avenue | Carson, CA 90810-1039 | No Phone Number Listed

RP has been named a Primary RP - PARGAT SINGH AULAKH AND RAWANDIEP K. SRAN
4527 Heyer Avenue | Castro Valley, CA 94546 | No Phone Number Listed

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET (Continued)

September 26, 2016

Responsible Party Identification Background

Alameda County Department of Environmental Health (ACDEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party four ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

Existence of Unauthorized Release

On January 20, 1988, one 380-gallon waste oil underground storage tank (UST) was removed from the site. Benzene was detected in the soil at a concentration of 0.0068 milligrams per kilogram (mg/kg) indicating that the soil has been contaminated with petroleum hydrocarbons. In September 1992, five groundwater monitoring wells were installed at the site. Total petroleum hydrocarbons as gasoline (TPHg) and benzene were detected in groundwater samples collected from site monitoring wells at concentrations up to 2,300 micrograms per liter (µg/L) and 370 µg/L, respectively, indicating that the groundwater has been contaminated with petroleum hydrocarbons. The data indicated that an unauthorized release has occurred at the site.

Responsible Party Identification

BP Oil Company owned the subject property from circa 1969 until July 1994. BP Oil Company is a responsible party because it owned the USTs (Definition 1), operated the USTs for storage of hazardous substances (Definition 2), owned the property where an unauthorized release of a hazardous substance from an underground storage tank has occurred (Definition 3), and had control over the USTs at the time of or following an unauthorized release of a hazardous substance (Definition 4).

Mirazim Shakoori (currently Mirazim & Afsar A. Shakoori) purchased the property in July 1994. Mirazim & Afsar A. Shakoori are responsible parties because they owned the USTs (Definition 1), and own the property where an unauthorized release of a hazardous substance occurred (Definition 3).

Shell Oil Products US was a former operator of the station located at the subject site. Shell is a responsible party because it operated the USTs for storage of hazardous substances (Definition 2) and had control over the USTs at the time of or following an unauthorized release of a hazardous substance (Definition 4).

Pargat Singh (currently Pargat Singh Aulakh) and Rawandiep K. Sran purchased the property in December 2012. Pargat Singh and Rawandiep K. Sran are responsible parties because they owned the USTs (Definition 1), and own the property where an unauthorized release of a hazardous substance occurred (Definition 3).

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

Certified Mail #: 7002 2030 0006 9574 2607

March 20, 2009

NOTICE OF RESPONSIBILITY

Site Name & Address:
BP #11105 / SHELL 17-1445
3519 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

Local ID: RO0000346
Related ID: 3423
RWQCB ID: 01-0997
Global ID: T0600100920

Responsible Party:

DENIS BROWN
SHELL OIL PRODUCTS US
20945 S WILMINGTON AVE
CARSON CA 90810-1039

Date First Reported: 3/25/1993
Substance: 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Funding for Oversight: LOPS - LOP State Fund
Multiple RPs?: Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified CASTRO VALLEY CHEVRON as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5650.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker KHATRI, PARESH, at this office at (510)777-2478 if you have questions regarding your site.

Date: 3/30/05

ARIU LEVI, Director
Contract Project Director

Action: Add
Reason: UST Operator

Attachment A: Responsible Parties Data Sheet
cc: Jenniffer Jordan, SWRCB, D. Drogos, File

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

March 20, 2009

Site Name & Address:
BP #11105 / SHELL 17-1445
3519 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

Local ID: RO0000346
Related ID: 3423
RWQCB ID: 01-0997
Global ID: T0600100920

All Responsible Parties

RP has been named a Primary RP - MIRAZIM & AFSAR A SHAKOORI
CASTRO VALLEY CHEVRON
3519 CASTRO VALLEY BLVD | CASTRO VALLEY, CA 94546 | Phone No Phone Number Listed

RP has been named a Primary RP - PAUL SUPPLE
BP WEST COAST PRODUCTS LLC
PO BOX 1257 | SAN RAMON, CA 94583 | Phone (925) 275-3801

RP has been named a Primary RP - DENIS BROWN
SHELL OIL PRODUCTS US
20945 S WILMINGTON AVE | CARSON, CA 90810-1039 | Phone (707) 865-0251

Responsible Party Identification Background

Alameda County Environmental Health (ACEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party 4 ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

ACEH has named the responsible parties for this site as detailed below.

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET (Continued)

March 20, 2009

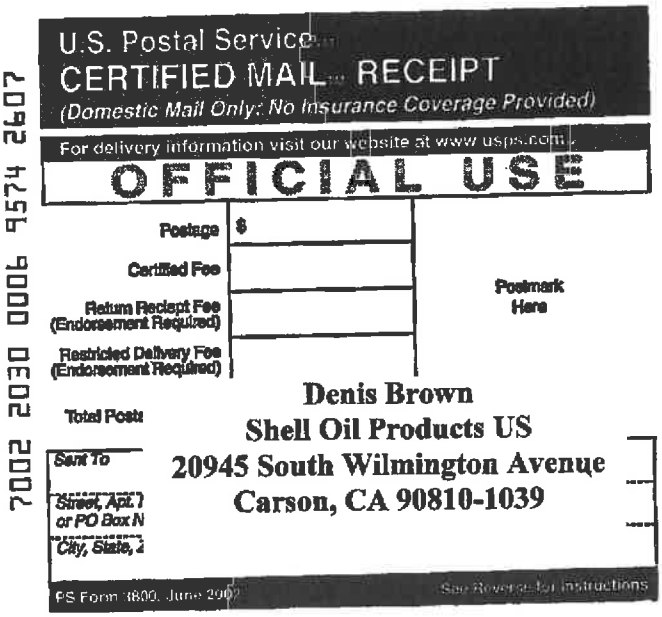
Responsible Party Identification

Existence of Unauthorized Release
On January 20 1988, one 380-gallon waste oil underground storage tank (UST) was removed from the site. Benzene was detected in the soil at a concentration of 0.0068 mg/kg indicating that the soil has been impacted with petroleum hydrocarbons. In September 1992, five groundwater monitoring wells were installed at the site. Total petroleum hydrocarbons (TPH) as gasoline (g) and benzene were detected in groundwater samples collected from site monitoring wells at concentrations of 2,300 µg/L and 370 µg/L, respectively, indicating that the groundwater has been impacted with petroleum hydrocarbons. In September 2003, four USTs were removed and replaced at the site. TPH-g was detected at 17 mg/kg in a confirmation sidewall soil sample. Following UST removal activities, a Site Investigation was conducted at the site. Soil and groundwater impact was detected from previous release of gasoline and including fuel oxygenates. MTBE was observed up to 200 feet down-gradient of the UST area. In September 2008, TPH-g was detected in soil and groundwater at concentrations of 720 mg/kg and 900 µg/L, respectively, during a site investigation conducted by Shell Oil Products US.

Responsible Party Identification
BP Oil Company owned the subject property from circa 1969 until May 1989. BP Oil Company is a responsible party because it owned the USTs (definition 1), operated the USTs for storage of hazardous substances (definition 2), owned the property where an unauthorized release of a hazardous substance from an underground storage tank has occurred (definition 3), and had control over the USTs at the time of or following an unauthorized release of a hazardous substance (definition 4).

Mirazim Shakoori (currently Mirazim & Afsar A. Shakoori) purchased the property in May 1989. Mirazim & Afsar A. Shakoori are responsible parties because they owned the USTs (definition 1), and own the property where an unauthorized release of a hazardous substance occurred (definition 3).

Shell Oil Products US is the current operator of the station located at the subject site. Shell is a responsible party because it operated the USTs for storage of hazardous substances (definition 2) and had control over the USTs at the time of or following an unauthorized release of a hazardous substance (definition 4).



ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

March 27, 2009

Paul Supple
Atlantic Richfield Company
(A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583

Mirazim & Afsar Shakoori
Former Castro Valley Chevron
3519 Castro Valley Boulevard
Castro Valley, CA 94546

Subject: Fuel Leak Case No. RO0000346 and GeoTracker Global ID T0600100920, BP #11105 / Shell 17-1445, 3519 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Responsible Parties:

In Notices of Responsibility dated April 15, 2002, Atlantic Richfield Company and Mirazim & Afsar Shakoori were notified that the above referenced site had been placed in the Local Oversight Program and that Atlantic Richfield Company and Mirazim & Afsar Shakoori were named as Responsible Parties for the fuel leak case. Shell Oil Products US currently own and/or operate the USTs at the site and has been named an additional Responsible Party for the fuel leak case as defined under 23 C.C.R Sec. 2720. Please see Attachment A – Responsible Parties Data Sheet, which identifies all Responsible Parties and provides background on the unauthorized release and Responsible Party Identification.

If you have any questions, please call me at (510) 777-2478.

Sincerely,

Paresh C. Khatri
Hazardous Materials Specialist

Attachment A – Responsible Parties Data Sheet

cc: Donna Drogos, ACEH
Paresh Khatri, ACEH
File

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

March 20, 2009

Site Name & Address:
BP #11105 / SHELL 17-1445
3519 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

Local ID: RO0000346
Related ID: 3423
RWQCB ID: 01-0997
Global ID: T0600100920

All Responsible Parties

RP has been named a Primary RP - MIRAZIM & AFSAR A SHAKOORI
CASTRO VALLEY CHEVRON
3519 CASTRO VALLEY BLVD | CASTRO VALLEY, CA 94546 | Phone No Phone Number Listed

RP has been named a Primary RP - PAUL SUPPLE
BP WEST COAST PRODUCTS LLC
PO BOX 1257 | SAN RAMON, CA 94583 | Phone (925) 275-3801

RP has been named a Primary RP - DENIS BROWN
SHELL OIL PRODUCTS US
20945 S WILMINGTON AVE | CARSON, CA 90810-1039 | Phone (707) 865-0251

Responsible Party Identification Background

Alameda County Environmental Health (ACEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party 4 ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

ACEH has named the responsible parties for this site as detailed below.

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET (Continued)

March 20, 2009

Responsible Party Identification

Existence of Unauthorized Release
On January 20 1988, one 380-gallon waste oil underground storage tank (UST) was removed from the site. Benzene was detected in the soil at a concentration of 0.0068 mg/kg indicating that the soil has been impacted with petroleum hydrocarbons. In September 1992, five groundwater monitoring wells were installed at the site. Total petroleum hydrocarbons (TPH) as gasoline (g) and benzene were detected in groundwater samples collected from site monitoring wells at concentrations of 2,300 µg/L and 370 µg/L, respectively, indicating that the groundwater has been impacted with petroleum hydrocarbons. In September 2003, four USTs were removed and replaced at the site. TPH-g was detected at 17 mg/kg in a confirmation sidewall soil sample. Following UST removal activities, a Site Investigation was conducted at the site. Soil and groundwater impact was detected from previous release of gasoline and including fuel oxygenates. MTBE was observed up to 200 feet down-gradient of the UST area. In September 2008, TPH-g was detected in soil and groundwater at concentrations of 720 mg/kg and 900 µg/L, respectively, during a site investigation conducted by Shell Oil Products US.

Responsible Party Identification
BP Oil Company owned the subject property from circa 1969 until May 1989. BP Oil Company is a responsible party because it owned the USTs (definition 1), operated the USTs for storage of hazardous substances (definition 2), owned the property where an unauthorized release of a hazardous substance from an underground storage tank has occurred (definition 3), and had control over the USTs at the time of or following an unauthorized release of a hazardous substance (definition 4).

Mirazim Shakoori (currently Mirazim & Afsar A. Shakoori) purchased the property in May 1989. Mirazim & Afsar A. Shakoori are responsible parties because they owned the USTs (definition 1), and own the property where an unauthorized release of a hazardous substance occurred (definition 3).

Shell Oil Products US is the current operator of the station located at the subject site. Shell is a responsible party because it operated the USTs for storage of hazardous substances (definition 2) and had control over the USTs at the time of or following an unauthorized release of a hazardous substance (definition 4).

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Certified Mail # 7000 1670 0009 3787 4704
April 15, 2002

Notice of Responsibility

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

Record ID: RO0000346
BP Oil Site #11105 /
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

SITE

Date First Reported 03/16/89
Substance: Gasoline
Funding (Federal or State): F
Multiple RPs?: Y

Azim Shakoori
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

Responsible Party (RP)
Property Owner

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified BP Oil Company as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency within 20 calendar days of receipt of this notice which identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5700.

Pursuant to section 25299.37(c) (7) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact Scott Seery, Hazardous Materials Specialist, at this office at (510) 567-6783 for further information about the site designation process.

Date: 4/4/02

Ariu Levi, Chief
Contract Project Director

Please Circle One Add Delete Change

Reason: Revised RP list

c: Lori Casias, SWRCB
Scott Seery, Hazardous Materials Specialist

ALAMEDA COUNTY - DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS MATERIALS DIVISION

April 15, 2002

LIST OF RESPONSIBLE PARTIES FOR

SITE

Record ID: RO0000346
BP Oil Site #11105 /
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

Date First Reported 03/16/89
Substance: Gasoline
Petroleum (X) Yes
Source: F

Azim Shakoori
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

Responsible Party #1
Property Owner

Scott Hooton
BP Oil Company
Env. Remediation Management
295 SW 41st Street
Renton, WA 98055-4931

Responsible Party #2
Contact Person
Contact Company

7000 1670 0009 3787 4704

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To: AZIM SHAKOORI
Street, Apt. No.; or PO Box No.: 3519 CASTRO VALLEY
City, State, ZIP+4: CALIF. 94546-CASTRO VALLEY

See Reverse for Instructions

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "*Return Receipt Requested*" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
AZIM SHAKOORI
CASTRO VALLEY CHEVRON
3519 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA 94546

4a. Article Number: 7000 1670 0009 3787

4b. Service Type: 4704
☐ Registered ☑ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery: 4-24-02

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Certified Mail # 7000 1670 0009 3787 4711
April 15, 2002

Notice of Responsibility

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

Record ID: RO0000346
BP Oil Site #11105 /
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

SITE

Date First Reported 03/16/89
Substance: Gasoline
Funding (Federal or State): F
Multiple RPs?: Y

Scott Hooton
BP Oil Company
Env. Remediation Management
295 SW 41st Street
Renton, WA 98055-4931

Responsible Party (RP) #2
(list of all RPs attached)

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified BP Oil Company as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency within 20 calendar days of receipt of this notice which identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5700.

Pursuant to section 25299.37(c) (7) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact Scott Seery, Hazardous Materials Specialist, at this office at (510) 567-6783 for further information about the site designation process.

Date: 4/16/02

Ariu Levi, Chief
Contract Project Director

Please Circle One **Add** **Delete** **Change**

Reason: Revised RP list

c: Lori Casias, SWRCB
Scott Seery, Hazardous Materials Specialist

NOR2 4/01

ALAMEDA COUNTY - DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS MATERIALS DIVISION

April 15, 2002

LIST OF RESPONSIBLE PARTIES FOR

SITE

Record ID: RO0000346
BP Oil Site #11105 /
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

Date First Reported 03/16/89
Substance: Gasoline
Petroleum (X) Yes
Source: F

Azim Shakoori
Castro Valley Chevron
3519 Castro Valley Blvd.
Castro Valley, CA 94546

Responsible Party #1
Property Owner

Scott Hooton
BP Oil Company
Env. Remediation Management
295 SW 41st Street
Renton, WA 98055-4931

Responsible Party #2
Contact Person
Contact Company

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "*Return Receipt Requested*" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Addr...
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

SCOTT HUTTON
295 SW 41 ST. ST.
RENTON, WA. 98055-4931

4a. Article Number
7000 1670 0009 3787 4711

4b. Service Type
- ☐ Registered
- ☑ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ Return Receipt for Merchandise
- ☐ COD

7. Date of Delivery
4-24

5. Received By: *(Print Name)*

6. Signature: *(Addressee or Agent)*
X

8. Addressee's Address *(Only if requested and fee is paid)*

Thank you for using Return Receipt Service.

PS Form **3811**, December 1994 102595-97-B-0179 **Domestic Return Receipt**

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Certified Mail # P 367 604 533

03/17/93
STID# 3423

Notice of Requirement to Reimburse

Ms. Pauline Reith
B P Oil Company
16400 Southcenter Pkwy.
Tukwila, Wa 98188

Responsible Party
Property Owner

BP Service Station #11105
3519 Castro Valley Blv
Castro Valley , CA 94546

SITE

Date First Reported
Substance: Gasoline
Petroleum: (X)Yes

The federal Petroleum Leaking Underground Storage Tank Trust Fund (Federal Trust Fund) provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The direct and indirect costs of site investigation or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund. The above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site. **YOU ARE HEREBY NOTIFIED** that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the California Health and Safety Code, the above Responsible Party or Parties must reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties must make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Please contact Scott SEERY, Hazardous Materials Specialist at this office if you have any questions concerning this matter.

for Edgar B. Howell, III, Chief
Contract Project Director

cc: Sandra Malos, SWRCB

SWRCB Use: Add: X Reason: New Case

P 367 604 533

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

☆U.S.G.P.O. 1989-234-555

Sent to	
Street and No.	
P.O., State and ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, June 1985

[illegible] Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Ms. pauline Reith
B P Oil Company
16400 Southcenter Pkwy.
Tukwila, WA 98188

4. Article Number
#P 367 604 533

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X MAY 6 1988

6. Signature – Agent
X

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help

New Query

History | Value | Transfer | Map | Glossary

Parcel Number:**84C-618-1-4** Inactive:**N** Lien Date:**01/01/2016** Owner:**AULAKH PARGAT S & SRAN RAWANDIEP K**
Property Address: **20835 REDWOOD RD, CASTRO VALLEY, CA 94546**
Parcel History

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
AULAKH PARGAT S & SRAN RAWANDIEP K	List Owners	19125 REDWOOD RD , CASTRO VALLEY, CA 94546-3453	04/05/2016	2016-80947		1	8500
SINGH PARGAT & SRAN RAWANDIEP	List Owners	19125 REDWOOD RD , CASTRO VALLEY, CA 94546-3453	12/10/2012	2012-411883		1	8500
SINGH PARGAT & SRAN RAWANDIEP	List Owners	19125 REDWOOD RD , CASTRO VALLEY, CA 94546-3453	12/07/2012	2012-410871	$1,600,000	1	8500
SHAKOORI MIRAZIM & AFSAR A	List Owners	3519 CASTRO VALLEY BLVD , CASTRO VALLEY, CA 94546-4401	11/02/2010	2010-320790		1	8500
SHAKOORI MIRAZIM & AFSAR A	List Owners	3519 CASTRO VALLEY BLVD , CASTRO VALLEY, CA 94546-4401	07/01/1994	1994-241843		2	8500

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help

New Query

History | Value | Transfer | Map | Glossary

Parcel Number:**84C-618-1-2** Inactive:**Y** Lien Date:**01/01/2016** Owner:**SHAKOORI MIRAZIM & AFSAR A**
Property Address: **20836 REDWOOD RD, CASTRO VALLEY, CA 94546-5916**
Parcel History

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
SHAKOORI MIRAZIM & AFSAR A	List Owners	3519 CASTRO VALLEY BLVD , CASTRO VALLEY, CA 94546-4401	07/01/1994	1994-241843		2	8500
MIRAZIM SHAKOORI	List Owners	3519 CASTRO VALLEY BLVD , CASTRO VALLEY, CA 94546-4401	07/01/1994	1994-241842		1	8500
BP OIL COMPANY c/o PROPERTY TAX DEPT	List Owners	P O BOX 94563 , CLEVELAND, OH 44101	05/04/1989	1989-121394		1	8500
MOBIL OIL CORP c/o PROPERTY TX DEPT	List Owners	P O BOX 290 , DALLAS, TX 75221	11/12/1969	1969-127518		1	8500

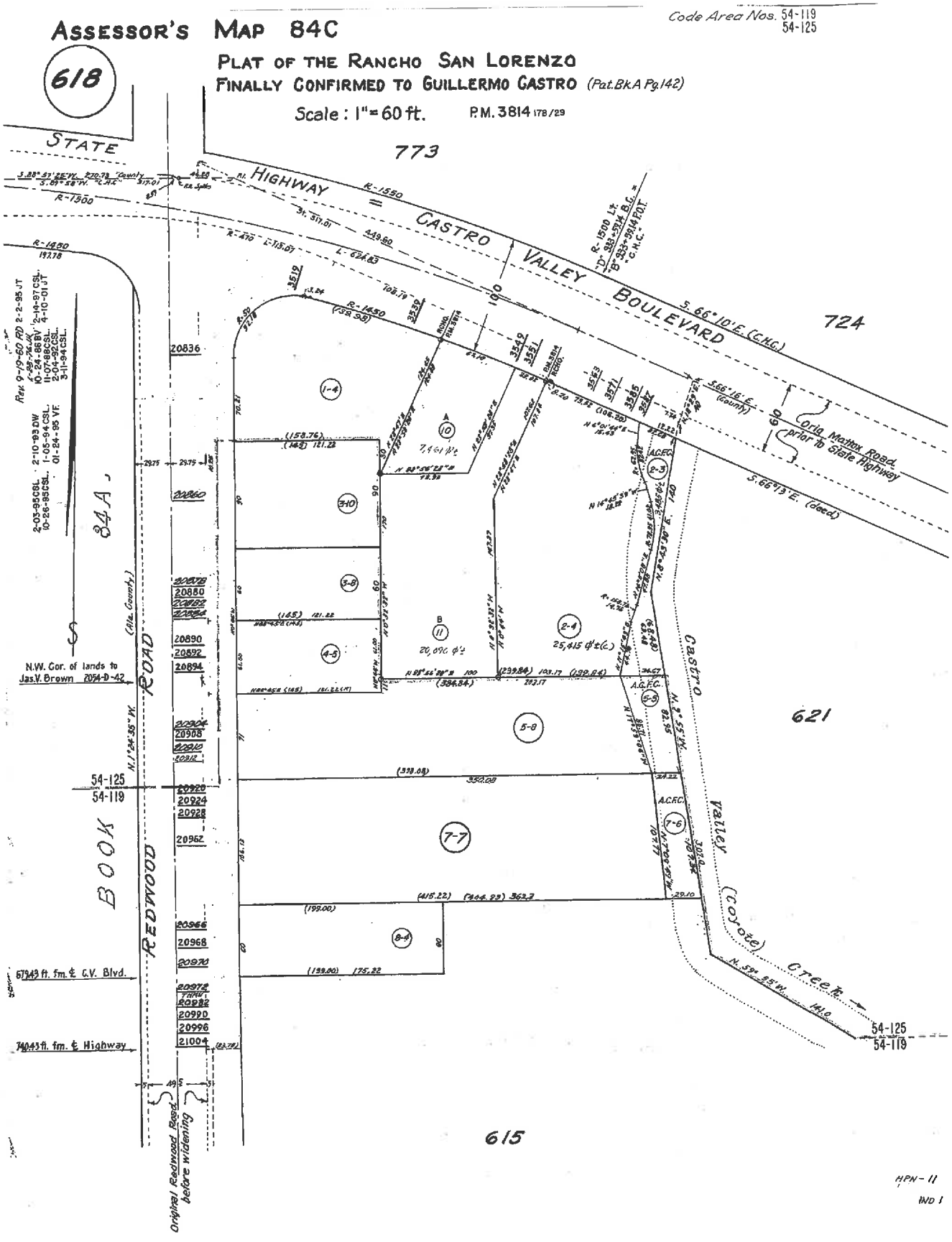
ASSESSOR'S MAP 84C

Code Area Nos. 54-119
54-125

618

PLAT OF THE RANCHO SAN LORENZO
FINALLY CONFIRMED TO GUILLERMO CASTRO (Pat. Bk A Pg. 142)

Scale: 1" = 60 ft. P.M. 3814 178/29



A.C.M. 12

Ref. R/S ARB. NO. 169A (R.S. Bk. 5 Pg. 4)

HPN-11
IND 1

ATTACHMENT 7

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

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

INVITATION TO COMMENT – POTENTIAL CASE CLOSURE

BP #11105 / SHELL 17-1445
3519 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CA 94546
FUEL LEAK CASE NO. RO0000346
GEOTRACKER GLOBAL ID T0600100920

October 3, 2016

The above referenced site is a fuel leak case that is under the regulatory oversight of the Alameda County Department of Environmental Health (ACDEH) Local Oversight Program for the investigation and cleanup of a release of petroleum hydrocarbons from an underground storage tank system. Site investigation and cleanup activities have been completed and the site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. The site appears to meet all of the criteria in the Low-Threat Closure Policy. Therefore, ACDEH is considering closure of the fuel leak case. Due to the residual contamination on site, the site would be closed with site management requirements that require further evaluation if the site is to be redeveloped in the future.

This notice is being sent to the current landowner in compliance with Health and Safety Code Section 25295.40. It is also being sent to the current occupants and landowners of adjacent properties and known interested parties for this site.

The public is invited to review and comment on the potential closure of the fuel leak case. The entire case file can be viewed over the Internet on the ACDEH 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). Please send written comments to Karel Detterman at the address below; all comments will be forwarded to the responsible parties. Comments **received by December 2, 2016** will be considered and responded to prior to a final determination on the proposed case closure.

If you have comments or questions regarding this site, please contact the ACDEH caseworker, Karel Detterman at 510-567-6708 or by email at karel.detterman@acgov.org. Please refer to ACDEH case RO0000346 in any correspondence.

Sort_APN	Parcel_APN	Name	StreetAddress	Unit	City	Zip	Zip_4	
084A008400504	84A-64-5-4	ETS REALTY LLC	2307 PACIFIC AVE		ALAMEDA CA	94501	2918	
084A008400504	84A-64-5-4	OCCUPANT	3495 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546		
084A008400808	84A-64-8-8	CHENG JENSEN F & JADE TRS	PO BOX 20188		CASTRO VALLEY CA	94546	8188	
084A008400808	84A-64-8-8	OCCUPANT	20855 REDWOOD RD		CASTRO VALLEY CA	94546		
084A008400907	84A-64-9-7	MANCINI GROUP LLC ETAL	293 BROADMOORE BLVD		SAN LEANDRO CA	94577	1819	
084A008400907	84A-64-9-7	OCCUPANT	20925 REDWOOD RD		CASTRO VALLEY CA	94546		
084A008402602	84A-64-26-2	NUNES CALIFORNIA PROPERTIES LLC	16270 MONTEREY ST	160	MORGAN HILL CA	95037	7166	
084A008402602	84A-64-26-2	OCCUPANT	20923 REDWOOD RD		CASTRO VALLEY CA	94546		
084A008001111	84A-80-11-11	COBURN RALPH G TRUSTEE ETAL	1371 OAKLAND BLVD	200	WALNUT CREEK CA	94596	8408	
084A008001111	84A-80-11-11	OCCUPANT	20629 REDWOOD RD		CASTRO VALLEY CA	94546		
084A008001112	84A-80-11-12	SAFEWAY HOLDINGS INC	1371 OAKLAND BLVD	200	WALNUT CREEK CA	94596	8408	
084A008001112	84A-80-11-12	OCCUPANT	20629 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061500404	84C-615-4-4	FRIES PROPERTIES INC & FRIES LYLA J TR	39678 MISSION BLVD		FREMONT CA	94539	3000	
084C061500404	84C-615-4-4	OCCUPANT	21060 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061500500	84C-615-5	FRIES PROPERTIES INC	39678 MISSION BLVD		FREMONT CA	94539	3000	
084C061500500	84C-615-5	OCCUPANT	20980 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061500602	84C-615-6-2	20990 REDWOOD LLC & GRANCO CAL LLC	P O BOX 867		TUSTIN CA	92781		
084C061500602	84C-615-6-2	OCCUPANT	20990 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800104	84C-618-1-4	AULAKH PARGAT S & SRAN RAWANDIEP K	19125 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800104	84C-618-1-4	OCCUPANT	20835 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800204	84C-618-2-4	ADAMS BARNARD S TR	2516 SAN CARLOS AVE		CASTRO VALLEY CA	94546	5423	
084C061800204	84C-618-2-4	OCCUPANT	3563 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546		
084C061800308	84C-618-3-8	BECKERLEG ERNEST E & DEBORAH R TRS & MOORE FL ETAL	2516 SAN CARLOS AVE		CASTRO VALLEY CA	94546	5423	
084C061800308	84C-618-3-8	OCCUPANT	20880 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800310	84C-618-3-10	DIEP JENNIE T TR	PO BOX 210738		SAN FRANCISCO CA	94121	0738	
084C061800310	84C-618-3-10	OCCUPANT	20860 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800405	84C-618-4-5	KALUNIAN SAM M & ZEPHYR TRS	115 SLATE RIDGE CT		EL DORADO HILLS CA	95762	5007	
084C061800405	84C-618-4-5	OCCUPANT	20890 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800508	84C-618-5-8	RILEY FORREST W & LOUISE	PO BOX 2449		LIVERMORE CA	94551	2449	
084C061800508	84C-618-5-8	OCCUPANT	20910 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800707	84C-618-7-7	MITCHELL MATTHEW S	533 MORAGA RD	220	MORAGA CA	94556	2336	
084C061800707	84C-618-7-7	OCCUPANT	20920 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061800804	84C-618-8-4	FRIES PROPERTIES INC	39678 MISSION BLVD		FREMONT CA	94539	3000	
084C061800804	84C-618-8-4	OCCUPANT	20986 REDWOOD RD		CASTRO VALLEY CA	94546		
084C061801000	84C-618-10	FANG FLORENCE P	980 PARROTT DR		HILLSBOROUGH CA	94010	7415	
084C061801000	84C-618-10	OCCUPANT	3549 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546		
084C061801100	84C-618-11	STANLEY MW LLC	1144 NORTHUMBERLAND DR		SUNNYVALE CA	94087	1709	
084C061801100	84C-618-11	OCCUPANT	3553 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546		
084C077300503	84C-773-5-3	GOLDEN WEST SAVINGS & LOAN ASSOCIATION	P.O. BOX 36246		CHARLOTTE NC	28236	6246	
084C077300503	84C-773-5-3	OCCUPANT	3538 CASTRO VALLEY BLVD		CASTRO VALLEY CA	94546		
		SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD	1515 CLAY STREET	SUITE 1400	OAKAND CA	94612		CHERIE MCCAULOU
		EAST BAY MUNICIPAL UTILITY DISTRICT INDUSTRIAL DISCHARGE SECTION	P.O. BOX 24055		OAKLAND CA	94623	1055	Ken Minn
		ALAMEDA COUNTY PUBLIC WORKS	399 ELMHURST ST,		HAYWARD CA	94544		KWABLAH ATTIOGBE
		ALAMEDA COUNTY PLANNING DEPT, COMMUNITY DEVELOPMENT AGENCY	224 West Winton Ave	Room 111	HAYWARD CA	94544		1215 Sandra Rivera