ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

June 26, 2014

Mr. Mike Karvelot (sent by e-mail to mike.karvelot@quikstop.com)
Quik Stop Markets, Inc.
4567 Enterprise Street
Fremont, CA 94538

Subject: Case Closure for Case Closure for Fuel Leak Case No. RO0000123 and GeoTracker Global ID T06019774175, Quik Stop #56, 3132 Beaumont Avenue, Oakland, CA 94602

Dear Mr. Karvelot:

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

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use as an active fueling station. Site Management Requirements are further described in section IV 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.
LOP and SCP Program Manager

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

cc with enclosures:
Jonathan Scheiner, TRC Solutions (sent via e-mail to jscheiner@trcsolutions.com)

Leroy Griffin, Oakland Fire Department, (*Sent via E-mail to: lgriffin@oaklandnet.com*)

Dilan Roe, ACEH, (sent via e-mail to dilan.roe@acgov.org)

Karel Detterman (sent via electronic mail to: karel.detterman@acgov.org
eFile, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

REMEDIAL ACTION COMPLETION CERTIFICATION

June 26, 2014

Mr. Mike Karvelot (sent by e-mail to mike.karvelot@quikstop.com)
Quik Stop Markets, Inc.
4567 Enterprise Street
Fremont, CA 94538

Subject: Case Closure for Fuel Leak Case No. RO0000123 and GeoTracker Global ID T06019774175, Quik Stop #56, 3132 Beaumont Avenue, Oakland, CA 94602

Dear Mr. Karvelot:

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

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

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

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

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

Sincerely,

Ariu Levi
Director

Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: June 26, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Responsible Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Quik Stop #56		
Site Facility Address: 3132 Beaumont Avenue, Oakland, CA 94602		
RB Case No.: ----	Previous Case STiD No.: 3964	LOP Case No.: RO0000123
GeoTracker ID: T06019774175		APN: 22-377-1-3
Current Land Use: Active Fueling Station		

Responsible Parties	Addresses	Phone Numbers
Mr. Mike Karvelot Quik Stop Markets, Inc.	4567 Enterprise Street Fremont, CA 94538	----

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

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release from underground storage tank (UST) system.		
Number of monitoring wells installed: 7	Number of monitoring wells destroyed: 7	Number of monitoring wells remaining: 0
Highest Groundwater Depth Below Ground Surface: 4.01 feet bgs	Lowest Depth: 13.77 feet bgs	Flow Direction: Predominantly to the southwest but has varied to the west.
Most Sensitive Current Groundwater Use: Potential drinking water source		

Summary of Production Wells in Vicinity: The groundwater gradient direction is predominately to the southwest; there were no water supply wells found to be located within a radius of 2,000 feet downgradient of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest Surface Water Name: The Central Reservoir located approximately 1,300 feet east of the site in the upgradient direction.

LTCP VAPOR SPECIFIC CRITERIA							
LTCP Vapor Specific Scenario under which case was closed: Active fueling station exempt from vapor specific criteria							
Active Fueling Station	Active as of 06/26/2014						
Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	12 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	240 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	<0.50 ppb	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	----	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

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

LTCP GROUNDWATER SPECIFIC CRITERIA						
LTCP Groundwater Specific Scenario under which case was closed: Scenario 4						
Site Data			LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	700 feet		<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product		No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable		Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	> 2,000 feet		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	Central Reservoir is located approximately 1,300 feet east of the site		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable		Not applicable	Not applicable	Yes	Not applicable
GROUNDWATER CONCENTRATIONS						
Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	<100	<0.50	No criteria	<3,000	No criteria	<1,000
MTBE	90,000	370	No criteria	<1,000	No criteria	<1,000
List other chemicals of specific concern: TBA	9,900	930				
Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?				----		

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA						
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: A determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health.						
Are maximum concentrations less than those in Table 1 below?				Yes		
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	<0.005	<0.005	<0.005	<0.005	<0.005
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	<0.005	0.013	<0.019	<0.019	<0.019
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	----	----	----	----
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?				----		
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?				----		

IV. CLOSURE

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

Site Management Requirements:

This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air. Therefore, case closure is granted for the current commercial land use as an active fueling station.

If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. 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.

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

Should corrective action be reviewed if land use changes? Yes

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

V. ADDITIONAL COMMENTS AND CONCLUSION

Additional Comments:

Naphthalene was not an analyte in shallow soil samples. However, since the release at the site consisted primarily of gasoline and benzene and ethylbenzene concentrations in shallow soil do not exceed media-specific criteria for direct contact, naphthalene concentrations in shallow soil are not likely to exceed the LTCP media-specific criteria.

PAHs were not analytes in soil samples; however, since there was no waste oil UST, PAHs in shallow soil are not likely to be present or exceed the LTCP media-specific criteria.

Increases in MTBE and TPHg concentrations in groundwater in well MW-7 were reported in the last groundwater monitoring event and are the historically highest concentrations exhibited in samples collected from the well. It is noted that this corresponds to a historic low in groundwater elevations. However, put in perspective, based on the LTCP *Technical Justification for Groundwater Media-Specific Criteria* paper, the maximum plume length for the MTBE and TPHg are 1,046 feet and 855 feet, respectively. As there are no sensitive receptors, surface water bodies, or domestic wells within 2,000 feet of the site, the site poses a low risk.

Due to the lack of volatiles in groundwater, vapor intrusion to indoor air to adjacent residential structures poses a low risk.

Conclusion:

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

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Karel Detterman, PG	Title: Hazardous Materials Specialist
Signature: Karel Detterman	Date: 6/26/2014
Approved by: Dilan Roe, PE	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 6/30/2014

VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: 3/27/2014	
Public Notification Date: 2/27/2014	

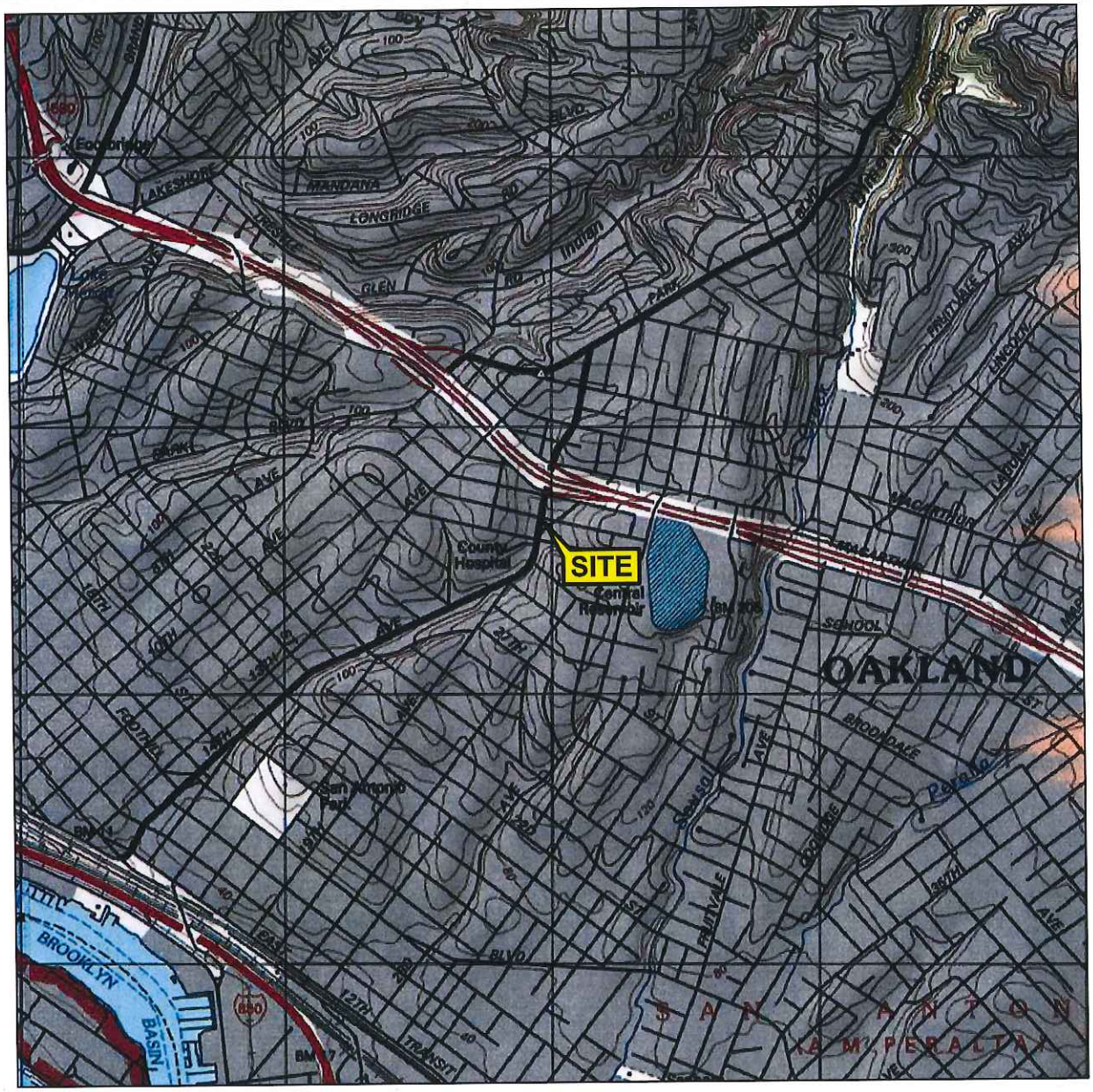
VIII. MONITORING WELL DESTRUCTION

Date Requested by ACEH: 3/11/2014	Date of Well Destruction Report: 4/24/2014	
All Monitoring Wells Destroyed: Yes	Number Destroyed: 7	Number Retained: 0
Reason Wells Retained: ----		
Additional requirements for submittal of groundwater data from retained wells: ----		
ACEH Concurrence - Signature: Karel Detterman		Date: 6/26/2014

Attachments:

1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plan (2 p)
3. Groundwater Contour and Chemical Concentration Maps (3 pp)
4. Soil Analytical Data (3 pp)
5. Groundwater Analytical Data (12 pp)
6. Cross Sections (7 pp)
7. Concentration Graphs (7 pp)

ATTACHMENT 1



SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and
Oakland West Quadrangles

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 164030 | **FIGURE 1**

FILE NAME: N:\CAD\Quik Stop 56\Site Conceptual Model_Jan11\Fig1_Vicinity Map.DWG | Layout Tab: 8x11

LEGEND

- MONITORING WELL (SURVEYED)

Approximate locations of:

- TANK EXCAVATION SOIL GRAB SAMPLE BY GARLOW ASSOCIATES, SEPTEMBER 1998
- GRAB GROUNDWATER SAMPLE BY GARLOW ASSOCIATES, SEPTEMBER 1998
- BORING BY TRC, OCTOBER 2006

N

SCALE (FEET)

0 50 100

SOURCES: Client-provided drawings and Garlow, 1998. Revised November 2001 per well survey by Doble Thomas Associates, and August 2009 per well survey of MW-4 through MW-8 by Virgil Chavez, PLS. Aerial photo by Google Earth, October 2009.

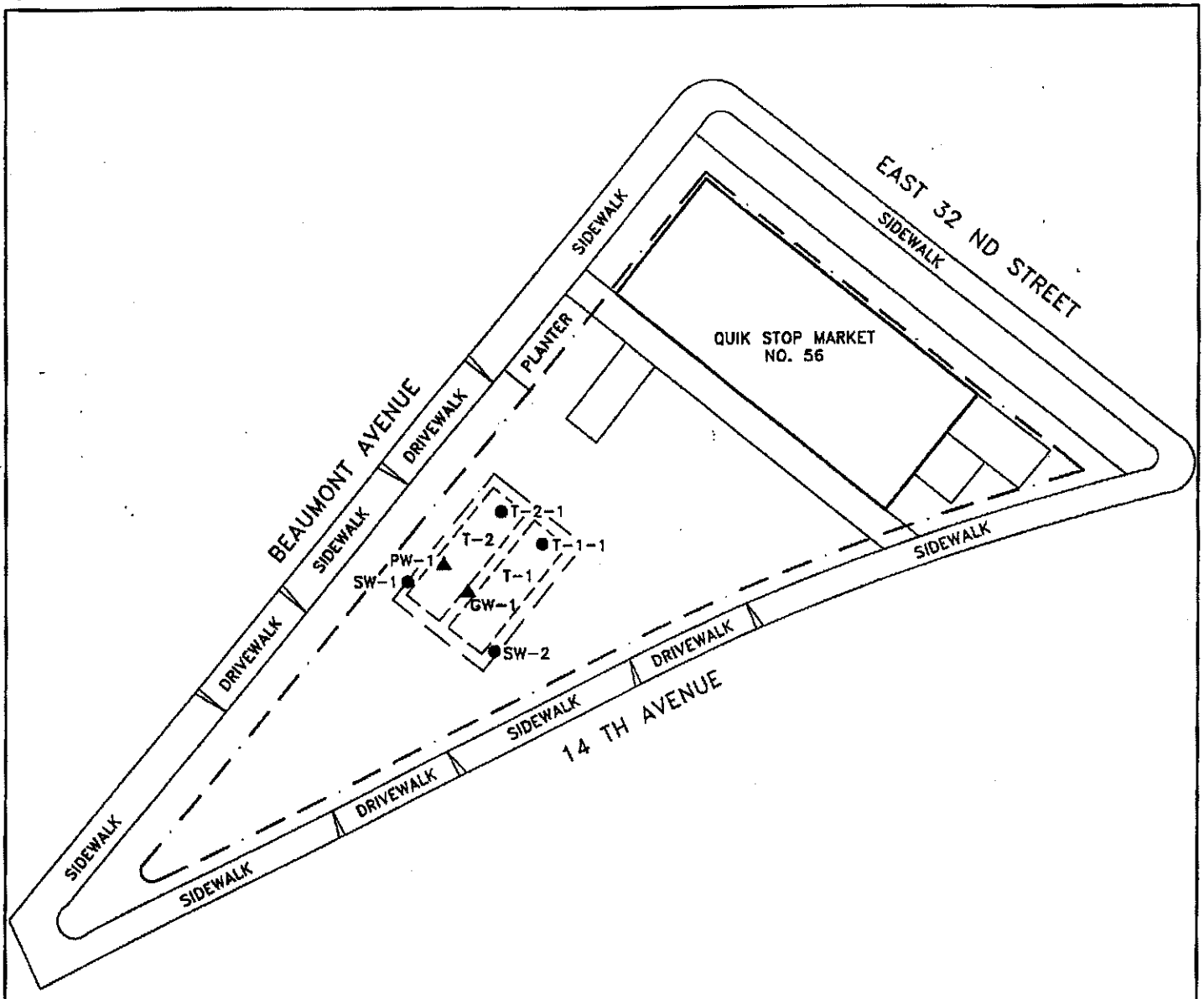
SITE PLAN SHOWING HISTORICAL SOIL SAMPLING LOCATIONS

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 164030 | **FIGURE 2**

FILE NAME: N:\CAD\Quik Stop 56\Site Conceptual Model_Jan11\Fig2_Site Plan_Historical Sampling Locations.dwg | Layout Tab: 11x17

ATTACHMENT 2



LEGEND

- ● TANK EXCAVATION SOIL SAMPLE
- ▲ TANK EXCAVATION WATER SAMPLE
- — · — · — SITE BOUNDARY (INFERRED)
- — — — — LIMITS OF EXCAVATION
- ⌐ ¬ UST-REMOVED

N

APPROXIMATE SCALE

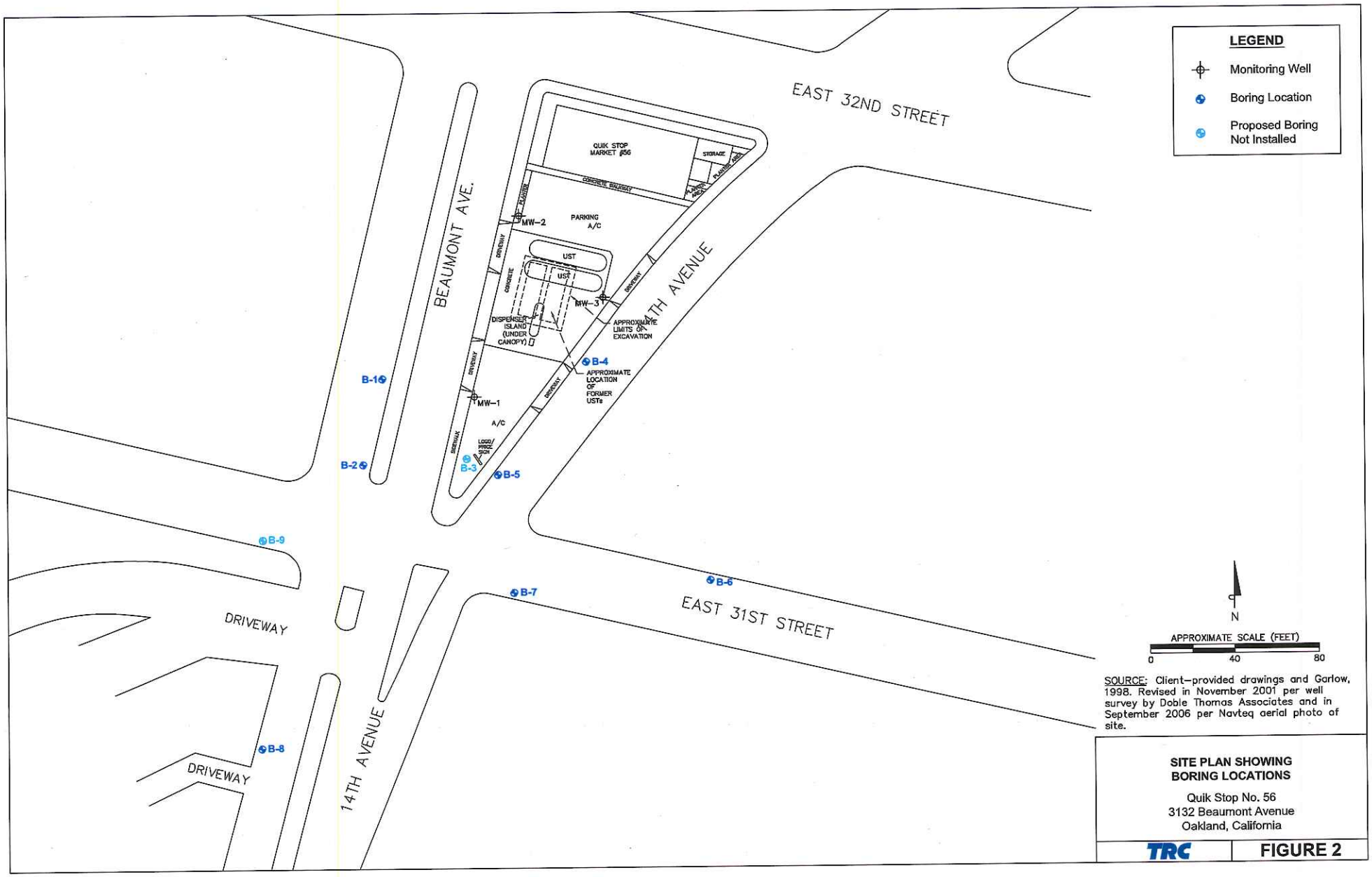
0 15 30

FEET

BASE MAP REFERENCE:

SITE PLAN,
FUELING UPGRADE AND CANOPY ADDITION
QUIK STOP MARKET NO. 56

GARLOW ASSOCIATES	REVISED EC 11/10/98	REVIEWED BY RAS REVIEW DATE 11/15/98	SITE MAP Quik Stop No. 56 3132 Beaumont Avenue Oakland, California	FIGURE 2 PROJECT Quik Stop No. 56
8 x 11 QUIK-56S				



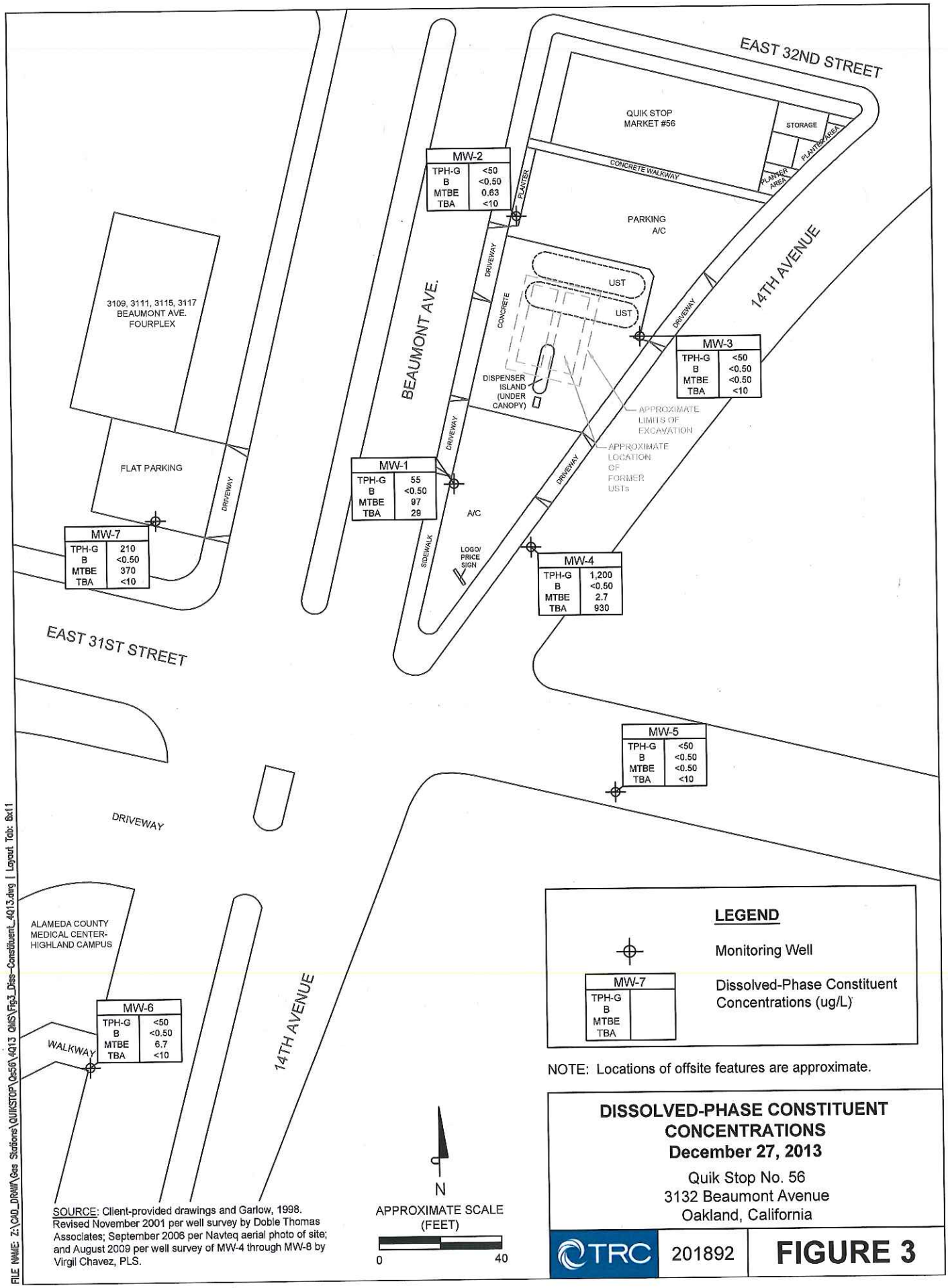
SOURCE: Client-provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

SITE PLAN SHOWING BORING LOCATIONS

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | **FIGURE 2**

ATTACHMENT 3



NOTE: Locations of offsite features are approximate.

SOURCE: Client-provided drawings and Garlow, 1998. Revised November 2001 per well survey by Doble Thomas Associates; September 2006 per Navteq aerial photo of site; and August 2009 per well survey of MW-4 through MW-8 by Virgil Chavez, PLS.

DISSOLVED-PHASE CONSTITUENT CONCENTRATIONS
December 27, 2013

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 201892 | **FIGURE 3**

FILE NAME: Z:\CAD_DRAW\Gas Stations\QUIKSTOP\Qs56\4013 GMS\Fig3_Diss-Constituent_4013.dwg | Layout Tab: 8x11

ATTACHMENT 4

Table 1
Summary of Soil Chemical Analysis
Quik Stop #56
Oakland, California

Soil Sample	Date	Sample Depth (feet)	TPH-G (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
B-1	10/12/06	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-2	10/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	10	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	15	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	20	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-4	10/12/06	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	8	**1.2**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-6	10/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	10	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	15	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-7	07/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-8	10/13/06	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/13/06	8	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/13/06	12	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
T-1-1	09/21/98	13.0-14.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
T-2-1	09/21/98	13.0-14.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005		-	-	-	-
SW-1	09/28/98	11.0-12.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.53**	-	-	-	-	-
SW-2	09/28/98	11.0-12.0	**240**	ND<0.5	ND<0.5	**0.85**	**1.30**	ND<5.0	-	-	-	-	-
MW-1	02/16/00	6.5	**2.9**	ND<0.005	ND<0.005	ND<0.005	**0.0097**	**0.067**	-	-	-	-	-
MW-1	02/16/00	11.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-1	02/16/00	16.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.66**	-	-	-	-	-
MW-1	02/16/00	21.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.05**	-	-	-	-	-
MW-1	02/16/00	26.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	6.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	11.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	16.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	21.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	26.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-

Table 1
Summary of Soil Chemical Analysis
Quik Stop #56
Oakland, California

Soil Sample	Date	Sample Depth (feet)	TPH-G (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
MW-3	02/16/00	6.0	ND<1.0	**0.038**	ND<0.005	ND<0.005	**0.019**	**0.0083**	-	-	-	-	-
MW-3	02/16/00	11.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.011**	-	-	-	-	-
MW-3	02/16/00	16.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-3	02/16/00	21.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tert butyl ether
mg/kg = milligrams per kilogram
ug/kg= micrograms per kilogram
ND = not detected at or above the stated method detection limit
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
- = not analyzed

Table 1
Summary of Soil Analytical Data
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

Boring ID	Date Sampled	Sample Depth (fbg)	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TBA
			Concentrations in milligrams per kilogram (mg/kg)							
MW-4	5/27/2009	5.0	**0.25**	**2.1**	< 0.0043	< 0.0043	< 0.0043	< 0.0086	< 0.0043	**0.49**
	5/27/2009	10.0	< 0.24	**2.6**	< 0.0048	< 0.0048	< 0.0048	< 0.0095	< 0.0048	**0.018**
MW-5	6/25/2009	5.0	< 0.22	< 0.99	< 0.0044	< 0.0044	< 0.0044	< 0.0088	< 0.0044	< 0.0088
	6/25/2009	10.0	< 0.24	< 0.99	< 0.0049	< 0.0049	< 0.0049	< 0.0097	< 0.0049	< 0.0097
MW-6	5/26/2009	5.0	< 0.25	< 0.99	< 0.0050	< 0.0050	< 0.0050	< 0.0099	< 0.0050	< 0.0099
	5/26/2009	15.0	< 0.24	< 0.99	< 0.0049	< 0.0049	< 0.0049	< 0.0098	**0.010**	< 0.0098
MW-7	5/26/2009	5.0	< 0.24	< 0.99	< 0.0049	< 0.0049	< 0.0049	< 0.0097	**0.0072**	< 0.0097
	5/26/2009	20.0	< 0.24	< 1.0	< 0.0049	< 0.0049	< 0.0049	< 0.0098	< 0.0049	< 0.0098

Notes:

--- = Not Analyzed
< = Indicates that the compound was not detected at or above the stated laboratory reporting limit
TPH-g = Total petroleum hydrocarbons as gasoline (C5 - C12)
TPH-d = Total petroleum hydrocarbons as diesel (C10 - C28)
MTBE = Methyl tert-butyl ether
TBA = Tert-Butyl Alcohol

ATTACHMENT 5

Sample Number	Sample Date	Sample Depth (feet)	TPH-g (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
PW-1	9/21/98	~12-13	1,800	3.8	50	32	160	5,500
GW-1	9/28/98	~12-13	64	<0.5	<0.5	<0.5	<0.5	2,700

TPH-g	Total petroleum hydrocarbons as gasoline
MTBE	Methyl tert-butyl ether
ppb	Parts per billion (ug/l)
<	Less than the listed method detection limit

Table 2
Summary of Groundwater Sample Analysis
Quik Stop #56
Oakland, California

Sample ID	Date	TPH-G (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Ethanol (µg/L)
B-1	10/12/06	ND<50	**6.0**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-2	10/12/06	**410**	**710**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-4	10/12/06	**84**	**3.5**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-5	10/12/06	ND<50	**11**	ND<1.0	**3.9**	ND<1.0	ND<1.0	**1,600**	ND<2.0	ND<2.0	ND<2.0	ND<1000
B-6	10/12/06	ND<50	**2.6**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-7	10/12/06	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-8	10/13/06	ND<50	**2.1**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tert butyl ether
mg/L = milligrams per litre
ug/L= micrograms per litre
ND = not detected at or above the stated method detection limit
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether

Table 1
Summary of Grab Groundwater Sample Analysis
Quik Stop #56
3132 Beaumont Avenue, Oakland, California

Sample ID	Date	Sample Depth (feet)	TPH-G (mg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)
CPT-1-41	11/29/11	38-41	<0.050	**4.5**	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
CPT-1-50	11/29/11	45-50	<0.050	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
CPT-2-34	11/30/11	31-34	<0.050	**4.3**	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
CPT-2-44	11/30/11	39-44	<0.050	**14**	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
CPT-3-42	11/30/11	38-42	<0.050	**0.96**	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
CPT-4-36	12/01/11	32-36	<0.050	**3.8**	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
CPT-4-44	12/01/11	40-44	<0.050	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

NOTES:

TPH-G = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert butyl ether
mg/L = Milligrams per liter
µg/L= micrograms per liter
Bold = detected at or above the stated method detection limit
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
< = not detected at or above the stated detection limit
— = not analyzed

Table 1

Summary of Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-1	03/02/00	131.58	10.33	121.25	670	<1.0	<1.0	<1.0	<1.0	2,200	—	—	—	—	—	0.62
MW-1	11/16/00	131.58	11.86	119.72	<500	<0.5	<0.5	<0.5	<0.5	18,000	—	—	—	—	—	0.34
MW-1	01/23/01	131.58	11.05	120.53	6,400	<10	<10	<10	<10	21,000	—	—	—	—	—	0.83
MW-1	04/25/01	131.58	12.06	119.52	12,000	<20	<20	<20	<20	17,000	—	—	—	—	—	0.39
MW-1	07/24/01	131.58	12.42	119.16	8,800	<13	<13	<13	<13	14,000	—	—	—	—	—	7.61
MW-1	11/08/01	131.58	12.00	119.58	18,000	<25	<25	<25	<25	28,000	—	—	—	—	—	—
MW-1	11/27/01	134.13	Well resurveyed to new reference point													
MW-1	02/05/02	134.13	10.99	123.14	28,000	<50	<50	<50	<50	44,000	—	—	—	—	—	—
MW-1	04/29/02	134.13	10.97	123.16	12,000	<25	<25	<25	<25	30,000	—	—	—	—	—	—
MW-1	07/29/02	134.13	10.20	123.93	16,000	<25	<25	<25	<25	22,000	—	—	—	—	—	—
MW-1	10/21/02	134.13	10.48	123.65	17,000	<50	<50	<50	<50	39,000	—	—	—	—	—	—
MW-1	03/05/03	134.13	8.94	125.19	40,000	<100	<100	<100	<100	69,000	—	—	—	—	—	—
MW-1	06/06/03	134.13	8.68	125.45	27,000	<50	<50	<50	<50	63,000	—	—	—	—	—	—
MW-1	09/05/03	134.13	9.21	124.92	28,000	<25	<25	<25	<25	51,000	—	—	—	—	—	—
MW-1	12/24/03	134.13	8.65	125.48	29,000	<50	<50	<50	<50	84,000	—	—	—	—	—	—
MW-1	03/25/04	134.13	8.66	125.47	39,000	<100	<100	<100	<100	72,000	—	—	—	—	—	—
MW-1	06/25/04	134.13	8.66	125.47	50,000	<100	<100	<100	<100	90,000	—	—	—	—	—	—
MW-1	09/16/04	134.13	9.02	125.11	30,000	<50	<50	<50	<50	75,000	—	—	—	—	—	—
MW-1	12/17/04	134.13	7.46	126.67	35,000	<50	<50	<50	<50	59,000	—	—	—	—	—	—
MW-1	03/10/05	134.13	7.17	126.96	14,000	<25	<25	<25	<25	33,000	—	—	—	—	—	—
MW-1	06/09/05	134.13	8.14	125.99	36,000	<50	<50	<50	<50	60,000	—	—	—	—	—	—
MW-1	09/13/05	134.13	12.64	121.49	<20,000	<100	<100	<100	<100	32,000	—	—	—	—	—	—
MW-1	12/06/05	134.13	11.40	122.73	<5,000	<25	<25	<25	<25	5,700	—	—	—	—	—	—
MW-1	03/29/06	134.13	10.51	123.62	16,000	<25	<25	<25	<25	23,000	—	—	—	—	—	—
MW-1	06/29/06	134.13	11.28	122.85	8,200	<15	<15	<15	<15	12,000	<5.0	—	—	—	—	—
MW-1	09/21/06	134.13	11.90	122.23	4,500	<10	<10	<10	<10	7,900	<5.0	—	—	—	—	—
MW-1	12/08/06	134.13	11.65	122.48	3,900	<10	<10	<10	<10	4,100	<5.0	—	—	—	—	—
MW-1	03/28/07	134.13	11.22	122.91	5,000	<10	<10	<10	<10	7,700	<5.0	—	—	—	—	—
MW-1	06/14/07	134.13	12.18	121.95	3,600	<10	<10	<10	<10	4,300	<5.0	—	—	—	—	—
MW-1	09/06/07	134.13	12.84	121.29	3,400	<10	<10	<10	<10	4,500	<5.0	—	—	—	—	—
MW-1	12/31/07	134.13	12.52	121.61	2,900	<5.0	<5.0	<5.0	<5.0	3,300	<5.0	—	—	—	—	—
MW-1	03/18/08	134.13	12.74	121.39	1,800	<2.5	<2.5	<2.5	<2.5	3,400	<5.0	—	—	—	—	—
MW-1	06/30/08	134.13	13.00	121.13	1,400	<2.5	<2.5	<2.5	<2.5	2,400	<5.0	—	—	—	—	—
MW-1	09/26/08	134.13	13.77	120.36	1,100	<2.0	<2.0	<2.0	<2.0	2,200	<5.0	—	—	—	—	—
MW-1	11/25/08	134.13	13.57	120.56	1,300	<2.5	<2.5	<2.5	<2.5	2,000	<5.0	—	—	—	—	—
MW-1	03/09/09	134.13	11.09	123.04	1,100	<2.0	<2.0	<2.0	<2.0	1,600	<5.0	—	—	—	—	—
MW-1	06/29/09	134.13	11.33	122.80	430	<1.0	<1.0	<1.0	<1.0	730	<5.0	—	—	—	—	—
MW-1	09/11/09	134.13	11.01	123.12	880	<2.5	<2.5	<2.5	<2.5	980	<5.0	7,000	<5.0	<5.0	<5.0	—
MW-1	12/08/09	134.13	11.86	122.27	710	<2.5	<2.5	<2.5	<2.5	1,300	<5.0	9,900	<5.0	<5.0	<5.0	—
MW-1	03/19/10	134.13	10.09	124.04	1,100	<2.5	<2.5	<2.5	<2.5	1,000	<5.0	5,300	<5.0	<5.0	<5.0	—
MW-1	06/08/10	134.13	9.67	124.46	<300	<1.5	<1.5	<1.5	<1.5	500	<5.0	3,500	<3.0	<3.0	<3.0	—
MW-1	09/14/10	134.13	10.48	123.65	320	<1.0	<1.0	<1.0	<1.0	470	<5.0	2,500	<2.0	<2.0	<2.0	—
MW-1	12/03/10	134.13	10.45	123.68	500	<1.0	<1.0	<1.0	<1.0	740	<5.0	1,900	<2.0	<2.0	<2.0	—
MW-1	06/09/11	134.13	9.09	125.04	240	<0.50	<0.50	<0.50	<0.50	500	<5.0	1,700	<1.0	<1.0	<1.0	—
MW-1	12/05/11	134.13	10.70	123.43	130	<0.50	<0.50	<0.50	<0.50	220	<5.0	370	<1.0	<1.0	<1.0	—
MW-1	06/19/12	134.13	7.30	126.83	<50	<0.50	<0.50	<0.50	<0.50	26	<5.0	61	<1.0	<1.0	<1.0	—

Table 1

Summary of Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-1	12/04/12	134.13	8.57	125.56	<50	<0.50	<0.50	<0.50	<0.50	23	<5.0	36	<1.0	<1.0	<1.0	—
MW-1	06/21/13	134.13	9.62	124.51	<50	<0.50	<0.50	<0.50	<0.50	8.4	<5.0	18	<1.0	<1.0	<1.0	—
MW-1	12/27/13	134.13	9.50	124.63	55	<0.50	<0.50	<0.50	<0.50	97	<5.0	29	<1.0	<1.0	<1.0	—
MW-2	03/02/00	132.63	5.88	126.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—	—	1.45
MW-2	11/16/00	132.63	6.40	126.23	<50	<0.5	<0.5	<0.5	<0.5	<1.0	—	—	—	—	—	1.67
MW-2	01/23/01	132.63	5.67	126.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—	—	1.20
MW-2	04/25/01	132.63	6.26	126.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—	—	0.76
MW-2	07/24/01	132.63	6.38	126.25	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—	—	2.92
MW-2	11/08/01	132.63	5.97	126.66	<50	<0.50	<0.50	<0.50	<0.50	2.7	—	—	—	—	—	—
MW-2	11/27/01	135.16	Well resurveyed to new reference point													
MW-2	02/05/02	135.16	4.95	130.21	<50	<0.50	<0.50	<0.50	<0.50	2.7	—	—	—	—	—	—
MW-2	04/29/02	135.16	5.03	130.13	<50	<0.50	<0.50	<0.50	<0.50	2.8	—	—	—	—	—	—
MW-2	07/29/02	135.16	5.46	129.70	<50	<0.50	<0.50	<0.50	<0.50	4.1	—	—	—	—	—	—
MW-2	10/21/02	135.16	5.68	129.48	<50	<0.50	<0.50	<0.50	<0.50	8.1	—	—	—	—	—	—
MW-2	03/05/03	135.16	4.87	130.29	<50	1.4	<0.50	0.61	0.69	5.5	—	—	—	—	—	—
MW-2	06/06/03	135.16	4.88	130.28	<50	<0.50	<0.50	<0.50	<0.50	5.2	—	—	—	—	—	—
MW-2	09/05/03	135.16	5.60	129.56	<50	<0.50	<0.50	<0.50	0.66	6.4	—	—	—	—	—	—
MW-2	12/24/03	135.16	5.25	129.91	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—	—	—	—	—
MW-2	03/25/04	135.16	5.25	129.91	<50	<0.50	<0.50	<0.50	<0.50	5.3	—	—	—	—	—	—
MW-2	06/25/04	135.16	6.89	128.27	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—	—	—	—	—
MW-2	09/16/04	135.16	6.09	129.07	<50	<0.50	<0.50	<0.50	<0.50	5.5	—	—	—	—	—	—
MW-2	12/17/04	135.16	5.30	129.86	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—	—	—	—	—
MW-2	03/10/05	135.16	4.49	130.67	<50	<0.50	<0.50	<0.50	<0.50	3.7	—	—	—	—	—	—
MW-2	06/09/05	135.16	4.85	130.31	<50	<0.50	<0.50	<0.50	<0.50	4.8	—	—	—	—	—	—
MW-2	09/13/05	135.16	5.82	129.34	<50	<0.50	<0.50	<0.50	<0.50	5.6	—	—	—	—	—	—
MW-2	12/06/05	135.16	5.14	130.02	<50	<0.50	<0.50	<0.50	<0.50	4.5	—	—	—	—	—	—
MW-2	03/29/06	135.16	4.27	130.89	<50	<0.50	<0.50	<0.50	<0.50	4.4	—	—	—	—	—	—
MW-2	06/29/06	135.16	5.21	129.95	<50	<0.50	<0.50	<0.50	<0.50	5.1	<5.0	—	—	—	—	—
MW-2	09/21/06	135.16	5.62	129.54	<50	<0.50	<0.50	<0.50	<0.50	3.3	<5.0	—	—	—	—	—
MW-2	12/08/06	135.16	5.29	129.87	<50	<0.50	<0.50	<0.50	<0.50	3.1	<5.0	—	—	—	—	—
MW-2	03/28/07	135.16	5.08	130.08	<50	<0.50	<0.50	<0.50	<0.50	2.5	<5.0	—	—	—	—	—
MW-2	06/14/07	135.16	5.30	129.86	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0	—	—	—	—	—
MW-2	09/06/07	135.16	5.64	129.52	<50	<0.50	<0.50	<0.50	<0.50	3.2	<5.0	—	—	—	—	—
MW-2	12/31/07	135.16	5.10	130.06	<50	<0.50	<0.50	<0.50	<0.50	1.8	<5.0	—	—	—	—	—
MW-2	03/18/08	135.16	5.45	129.71	<50	<0.50	<0.50	<0.50	<0.50	1.8	<5.0	—	—	—	—	—
MW-2	06/30/08	135.16	5.61	129.55	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	—	—	—	—	—
MW-2	09/26/08	135.16	6.00	129.16	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0	—	—	—	—	—
MW-2	11/25/08	135.16	5.73	129.43	<50	<0.50	<0.50	<0.50	<0.50	1.4	<5.0	—	—	—	—	—
MW-2	03/09/09	135.16	4.56	130.60	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0	—	—	—	—	—
MW-2	06/29/09	135.16	5.39	129.77	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0	—	—	—	—	—
MW-2	09/11/09	135.16	5.78	129.38	<50	<0.50	<0.50	<0.50	<0.50	1.4	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	12/08/09	135.16	5.48	129.68	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	03/19/10	135.16	4.47	130.69	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	06/08/10	135.16	4.73	130.43	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	09/14/10	135.16	5.47	129.69	<50	<0.50	<0.50	<0.50	<0.50	1.2	<5.0	<10	<1.0	<1.0	<1.0	—

Table 1

Summary of Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-2	12/03/10	135.16	4.83	130.33	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	06/09/11	135.16	4.70	130.46	<50	<0.50	<0.50	<0.50	<0.50	0.92	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	12/05/11	135.16	5.48	129.68	<50	<0.50	<0.50	<0.50	<0.50	0.70	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	06/19/12	135.16	5.37	129.79	<50	<0.50	<0.50	<0.50	<0.50	0.67	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	12/04/12	135.16	5.35	129.81	<50	<0.50	<0.50	<0.50	<0.50	0.57	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	06/21/13	135.16	6.37	128.79	<50	<0.50	<0.50	<0.50	<0.50	0.60	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	12/27/13	135.16	6.60	128.56	<50	<0.50	<0.50	<0.50	<0.50	0.63	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	03/02/00	133.78	6.41	127.37	<50	<0.50	<0.50	<0.50	<0.50	0.96	—	—	—	—	—	0.90
MW-3	11/16/00	133.78	6.46	127.32	<50	<0.5	<0.5	<0.5	<0.5	24	—	—	—	—	—	3.91
MW-3	01/23/01	133.78	5.75	128.03	<50	<0.50	<0.50	<0.50	<0.50	72	—	—	—	—	—	1.47
MW-3	04/25/01	133.78	5.90	127.88	<50	<0.50	<0.50	<0.50	<0.50	25	—	—	—	—	—	0.56
MW-3	07/24/01	133.78	6.56	127.22	<50	<0.50	0.79	0.73	0.68	5.2	—	—	—	—	—	6.67
MW-3	11/08/01	133.78	6.92	126.86	<50	<0.50	<0.50	<0.50	<0.50	14	—	—	—	—	—	—
MW-3	11/27/01	136.35	Well resurveyed to new reference point													
MW-3	02/05/02	136.35	5.13	131.22	<50	<0.50	<0.50	<0.50	<0.50	10	—	—	—	—	—	—
MW-3	04/29/02	136.35	5.67	130.68	<50	<0.50	<0.50	<0.50	<0.50	5.1	—	—	—	—	—	—
MW-3	07/29/02	136.35	6.11	130.24	<50	<0.50	<0.50	<0.50	<0.50	31	—	—	—	—	—	—
MW-3	10/21/02	136.35	6.57	129.78	<50	<0.50	<0.50	<0.50	<0.50	5.8	—	—	—	—	—	—
MW-3	03/05/03	136.35	5.02	131.33	<50	<0.50	<0.50	<0.50	<0.50	4.9	—	—	—	—	—	—
MW-3	06/06/03	136.35	5.12	131.23	<50	<0.50	<0.50	<0.50	<0.50	6.6	—	—	—	—	—	—
MW-3	09/05/03	136.35	6.53	129.82	<50	<0.50	<0.50	<0.50	<0.50	4.4	—	—	—	—	—	—
MW-3	12/24/03	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.2	—	—	—	—	—	—
MW-3	03/25/04	136.35	5.42	130.93	<50	<0.50	<0.50	<0.50	<0.50	3.2	—	—	—	—	—	—
MW-3	06/25/04	136.35	6.50	129.85	<50	<0.50	<0.50	<0.50	<0.50	13	—	—	—	—	—	—
MW-3	09/16/04	136.35	6.79	129.56	<50	<0.50	<0.50	<0.50	<0.50	3.0	—	—	—	—	—	—
MW-3	12/17/04	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.6	—	—	—	—	—	—
MW-3	03/10/05	136.35	4.42	131.93	<50	<0.50	<0.50	<0.50	<0.50	3.8	—	—	—	—	—	—
MW-3	06/09/05	136.35	4.98	131.37	<50	<0.50	<0.50	<0.50	<0.50	3.6	—	—	—	—	—	—
MW-3	09/13/05	136.35	6.42	129.93	<50	<0.50	<0.50	<0.50	<0.50	11	—	—	—	—	—	—
MW-3	12/06/05	136.35	5.35	131.00	<50	<0.50	<0.50	<0.50	<0.50	1.4	—	—	—	—	—	—
MW-3	03/29/06	136.35	4.01	132.34	<50	<0.50	<0.50	<0.50	<0.50	3.2	—	—	—	—	—	—
MW-3	06/29/06	136.35	5.41	130.94	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0	—	—	—	—	—
MW-3	09/21/06	136.35	6.31	130.04	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0	—	—	—	—	—
MW-3	12/08/06	136.35	5.75	130.60	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0	—	—	—	—	—
MW-3	03/28/07	136.35	5.09	131.26	<50	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	—	—	—	—	—
MW-3	06/14/07	136.35	5.47	130.88	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0	—	—	—	—	—
MW-3	09/06/07	136.35	6.35	130.00	<50	<0.50	<0.50	<0.50	<0.50	2.4	<5.0	—	—	—	—	—
MW-3	12/31/07	136.35	5.21	131.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—
MW-3	03/18/08	136.35	5.59	130.76	<50	<0.50	<0.50	<0.50	<0.50	0.77	<5.0	—	—	—	—	—
MW-3	06/30/08	136.35	6.16	130.19	<50	<0.50	<0.50	<0.50	<0.50	0.68	<5.0	—	—	—	—	—
MW-3	09/26/08	136.35	6.84	129.51	<50	<0.50	<0.50	<0.50	<0.50	0.54	<5.0	—	—	—	—	—
MW-3	11/25/08	136.35	6.37	129.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—
MW-3	03/09/09	136.35	4.19	132.16	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—
MW-3	06/29/09	136.35	5.94	130.41	<50	<0.50	<0.50	<0.50	<0.50	0.68	<5.0	—	—	—	—	—
MW-3	09/11/09	136.35	6.64	129.71	<50	<0.50	<0.50	<0.50	<0.50	0.65	<5.0	<10	<1.0	<1.0	<1.0	—

Table 1

Summary of Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-3	12/08/09	136.35	5.92	130.43	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	03/19/10	136.35	4.30	132.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	06/08/10	136.35	5.04	131.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	09/14/10	136.35	6.13	130.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	12/03/10	136.35	5.07	131.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	06/09/11	136.35	4.67	131.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	12/05/11	136.35	5.91	130.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	06/19/12	136.35	5.70	130.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	12/04/12	136.35	4.88	131.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	06/21/13	136.35	5.71	129.64	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	12/27/13	136.35	7.18	129.17	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-4	09/11/09	133.59	6.52	127.07	1,100	<5.0	<5.0	<5.0	<5.0	11	<5.0	13,000	<10	<10	<10	—
MW-4	12/08/09	133.59	5.28	128.31	780	<1.0	<1.0	<1.0	1.5	2.7	<5.0	1,200	<2.0	<2.0	<2.0	—
MW-4	03/19/10	133.59	4.22	129.37	680	<0.50	<0.50	<0.50	0.97	2.5	<5.0	550	<1.0	<1.0	<1.0	—
MW-4	06/08/10	133.59	4.44	129.15	370	<0.50	<0.50	<0.50	0.68	2.0	<5.0	450	<1.0	<1.0	<1.0	—
MW-4	09/14/10	133.59	5.88	127.71	520	<1.0	<1.0	<1.0	<1.0	6.3	<5.0	2,900	<2.0	<2.0	<2.0	—
MW-4	12/03/10	133.59	4.66	128.93	510	<0.50	<0.50	<0.50	0.86	2.3	<5.0	980	<1.0	<1.0	<1.0	—
MW-4	06/09/11	133.59	4.44	129.15	320	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	350	<1.0	<1.0	<1.0	—
MW-4	12/05/11	133.59	5.48	128.11	510	<0.50	<0.50	<0.50	0.69	2.3	<5.0	790	<1.0	<1.0	4.2	—
MW-4	06/19/12	133.59	5.23	128.36	140	<0.50	<0.50	<0.50	<0.50	1.4	<5.0	300	<1.0	<1.0	<1.0	—
MW-4	12/04/12	133.59	4.53	129.06	460	<0.50	<0.50	<0.50	0.90	2.3	<5.0	400	<1.0	<1.0	<1.0	—
MW-4	06/21/13	133.59	6.57	127.02	580	0.63	<0.50	<0.50	<0.50	4.0	<5.0	1,500	<1.0	<1.0	<1.0	—
MW-4	12/27/13	133.59	7.20	126.39	1,200	<0.50	<0.50	<0.50	1.6	2.7	<5.0	930	<1.0	<1.0	<1.0	—
MW-5	09/11/09	133.58	8.51	125.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/08/09	133.58	7.09	126.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	03/19/10	133.58	5.23	128.35	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	06/08/10	133.58	5.97	127.61	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	09/14/10	133.58	7.62	125.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/03/10	133.58	6.12	127.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	06/09/11	133.58	5.54	128.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/05/11	133.58	7.00	126.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	06/19/12	133.58	6.97	126.61	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/04/12	133.58	5.00	128.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	06/21/13	133.58	8.55	125.03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/27/13	133.58	8.90	124.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	09/11/09	128.83	6.47	122.36	<50	<0.50	<0.50	<0.50	<0.50	43	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	12/08/09	128.83	6.23	122.60	<50	<0.50	<0.50	<0.50	<0.50	29	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	03/19/10	128.83	5.53	123.30	<50	<0.50	<0.50	<0.50	<0.50	23	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	06/08/10	128.83	5.78	123.05	<50	<0.50	<0.50	<0.50	<0.50	24	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	09/14/10	128.83	6.27	122.56	<50	<0.50	<0.50	<0.50	<0.50	26	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	12/03/10	128.83	5.89	122.94	<50	<0.50	<0.50	<0.50	<0.50	19	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	06/09/11	128.83	5.66	123.17	<50	<0.50	<0.50	<0.50	<0.50	39	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	12/05/11	128.83	6.34	122.49	<50	<0.50	<0.50	<0.50	<0.50	21	<5.0	<10	<1.0	<1.0	<1.0	—

Table 1

Summary of Groundwater Levels and Chemical Analysis

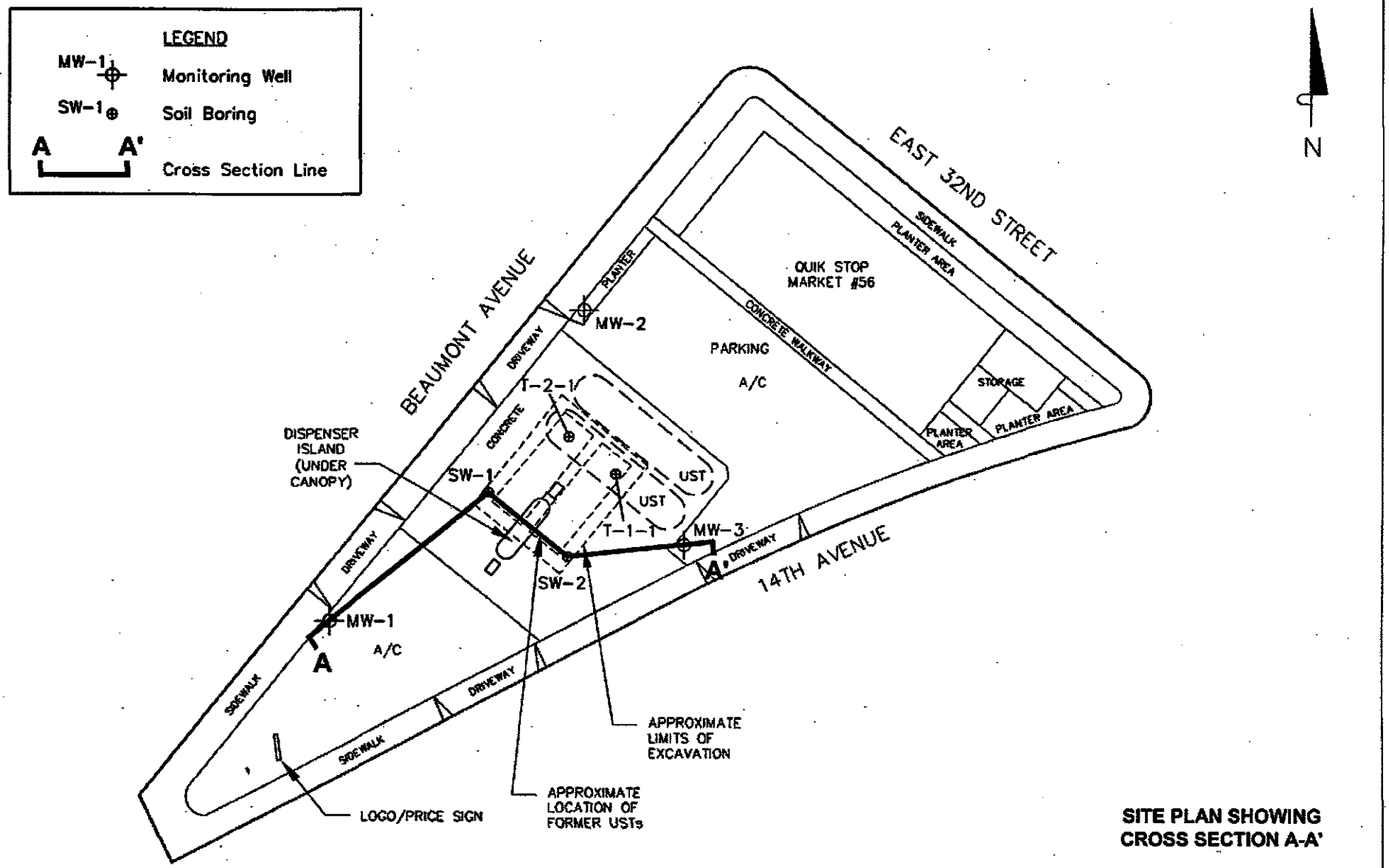
Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-6	06/19/12	128.83	6.10	122.73	<50	<0.50	<0.50	<0.50	<0.50	16	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	12/04/12	128.83	6.52	122.31	<50	<0.50	<0.50	<0.50	<0.50	6.6	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	06/21/13	128.83	7.58	121.25	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0	33	<1.0	<1.0	<1.0	—
MW-6	12/27/13	128.83	7.49	121.34	<50	<0.50	<0.50	<0.50	<0.50	6.7	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	09/11/09	134.37	9.60	124.77	<50	<0.50	<0.50	<0.50	<0.50	17	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	12/08/09	134.37	9.24	125.13	<50	<0.50	<0.50	<0.50	<0.50	15	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	03/19/10	134.37	8.42	125.95	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	06/08/10	134.37	8.68	125.69	<50	<0.50	<0.50	<0.50	<0.50	22	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	09/14/10	134.37	9.39	124.98	<50	<0.50	<0.50	<0.50	<0.50	35	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	12/03/10	134.37	8.88	125.49	<50	<0.50	<0.50	<0.50	<0.50	34	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	06/09/11	134.37	8.69	125.68	<50	<0.50	<0.50	<0.50	<0.50	51	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	12/05/11	134.37	9.54	124.83	<50	<0.50	<0.50	<0.50	<0.50	59	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	06/19/12	134.37	9.25	125.12	59	<0.50	<0.50	<0.50	<0.50	70	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	12/04/12	134.37	10.63	123.74	84	<0.50	<0.50	<0.50	<0.50	120	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7*	06/21/13	134.37	---	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-7	12/27/13	134.37	11.02	123.35	210	<0.50	<0.50	<0.50	<0.50	370	<5.0	<10	<1.0	<1.0	<1.0	—

NOTES:

ft-MSL = feet above mean sea level
µg/L = micrograms per liter
mg/L = milligrams per liter
TPH-G = total petroleum hydrocarbons as gasoline
DO = dissolved oxygen
< = not detected at or above the stated detection limit
MTBE = methyl tert butyl ether
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
* = well inaccessible

ATTACHMENT 6



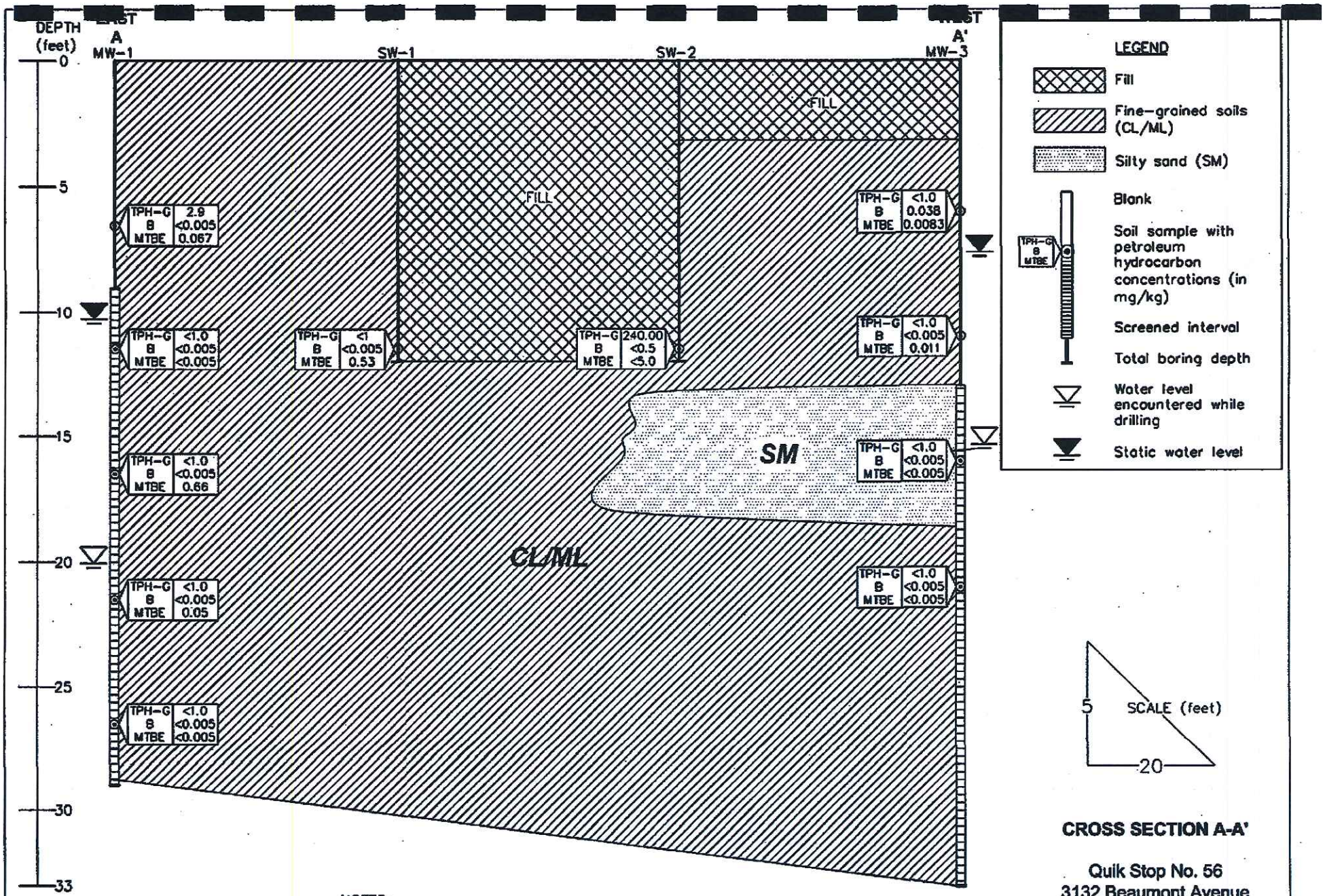
ALTON GEOSCIENCE
Northern California

SOURCE: Client-provided drawings and Gorlow, 1998.

SITE PLAN SHOWING CROSS SECTION A-A'

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

FIGURE 3



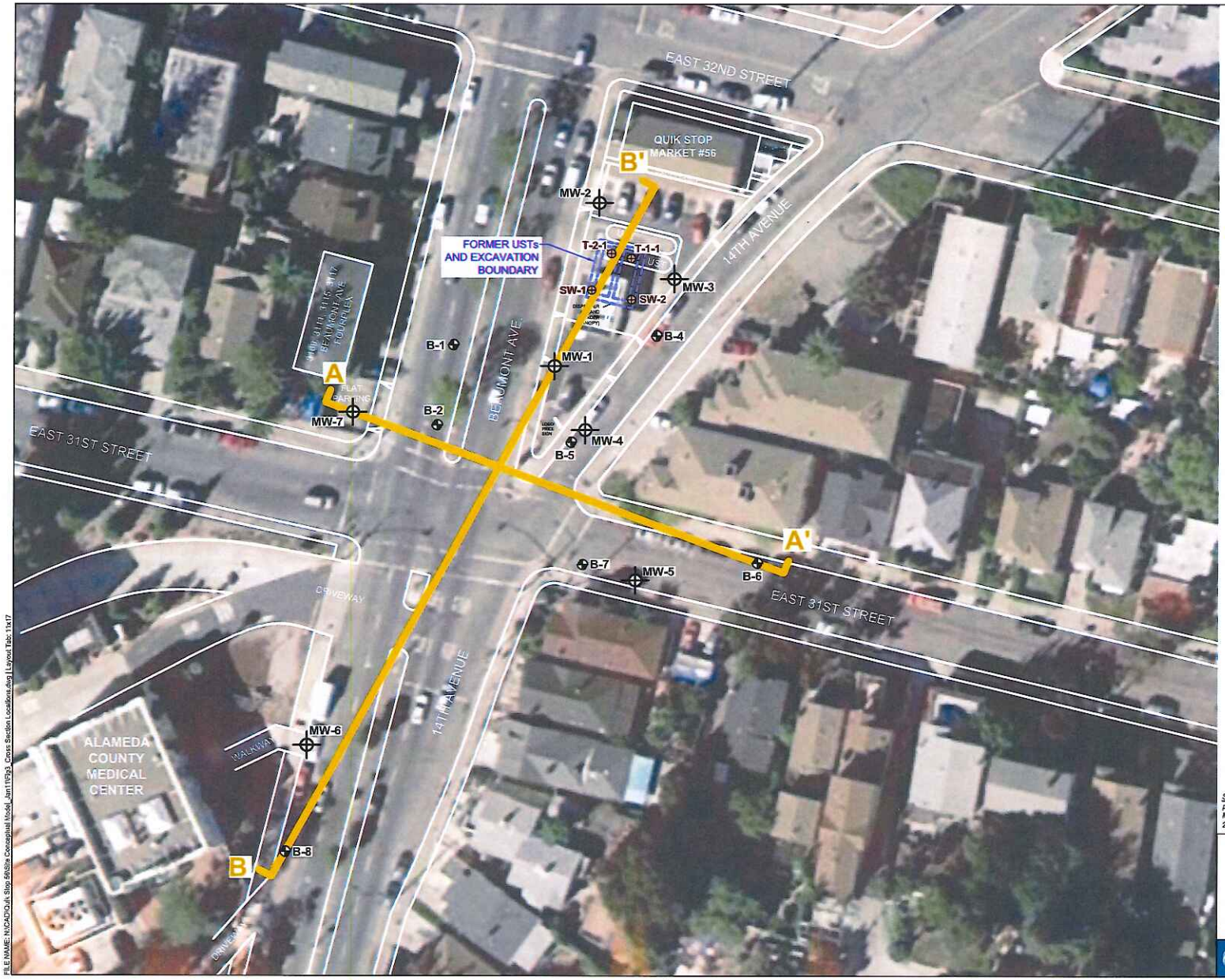
NOTES:
Depths are in feet below grade. < = not detected at or above stated detection limit. TPH-G = total petroleum hydrocarbons as gasoline; B = benzene; MTBE = methyl tert butyl ether; mg/kg = milligrams per kilogram. See Figure 3 for location of cross section.

ALTON GEOSCIENCE
Northern California

CROSS SECTION A-A'

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

FIGURE 4



LEGEND

- MONITORING WELL (SURVEYED)

Approximate locations of:

- TANK EXCAVATION SOIL GRAB SAMPLE BY GARLOW ASSOCIATES, SEPTEMBER 1998
- BORING BY TRC, OCTOBER 2006
- A A' CROSS SECTION

N

SCALE (FEET)

0 50 100

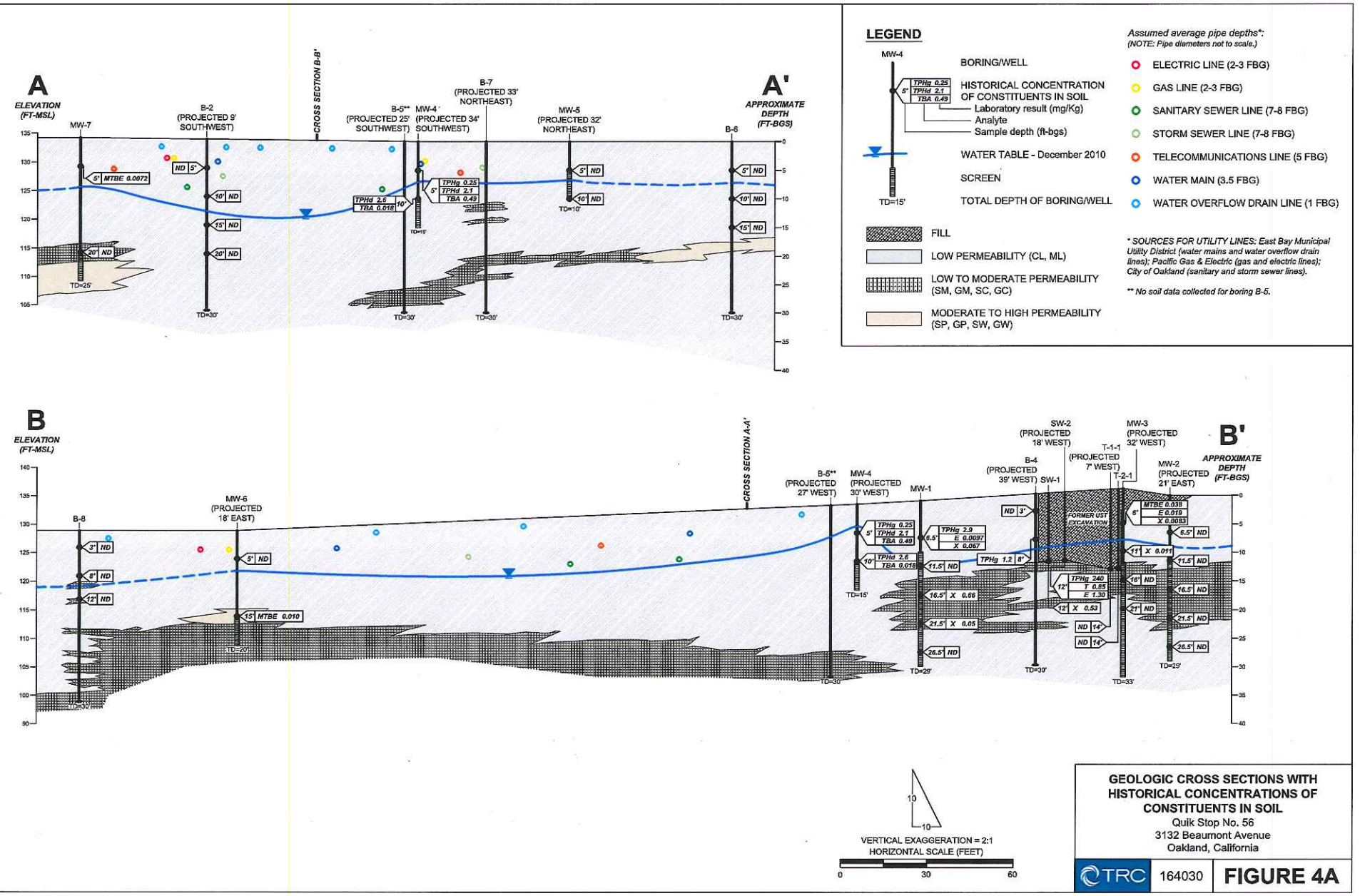
SOURCES: Client-provided drawings and Garlow, 1998. Revised November 2001 per well survey by Doble Thomas Associates, and August 2009 per well survey of MW-4 through MW-8 by Virgil Chavez, PLS. Aerial photo by Google Earth, October 2009.

SITE PLAN SHOWING GEOLOGIC CROSS SECTION LOCATIONS

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 164030 | **FIGURE 3**

FILE NAME: N:\CAD\Quik Stop 56\Site Conceptual Model_Jan11\Fig3_Cross Section Locations.dwg | Layout Tab: 11x17

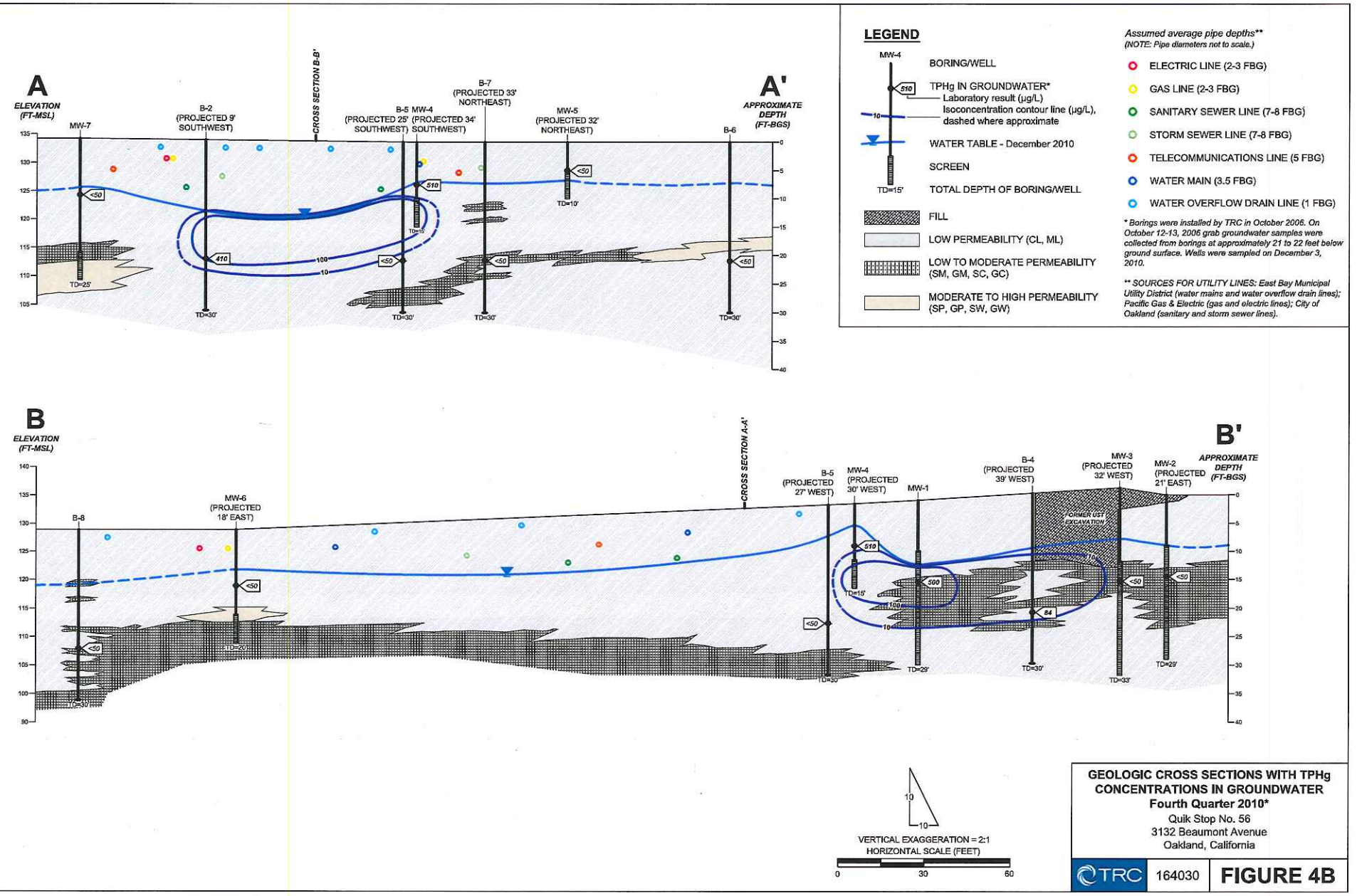


GEOLOGIC CROSS SECTIONS WITH HISTORICAL CONCENTRATIONS OF CONSTITUENTS IN SOIL

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 164030 | **FIGURE 4A**

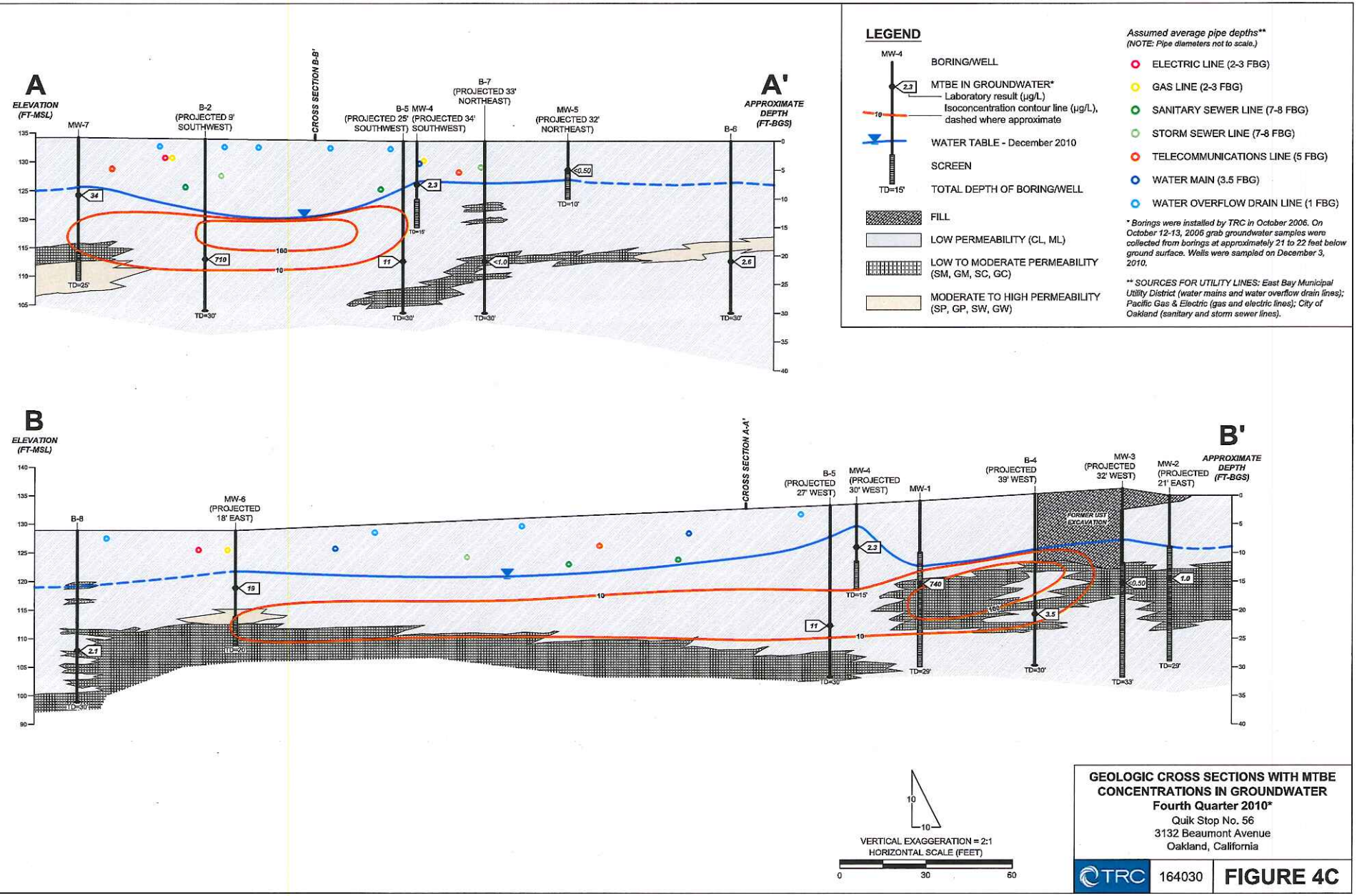
FILE NAME: Z:\CAD_DRAWINGS\e Stations\QUIKSTOP\Qs56\Site Conceptual Model_Jan11\Fig4A_Cross Sections_Hist Soil Data.dwg | Layout Tab: 11x17

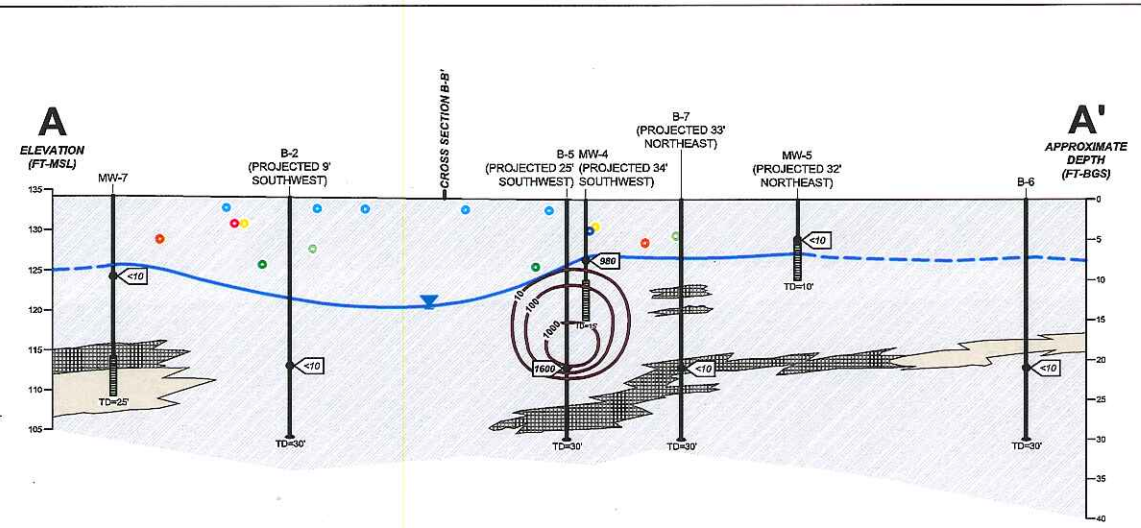


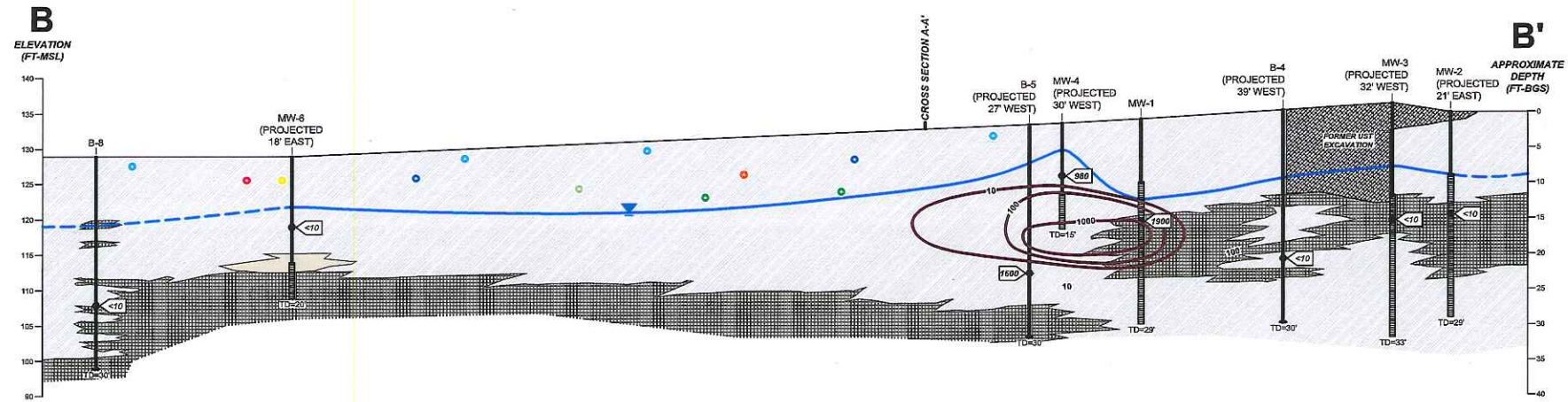
FILE NAME: Z:\CAD_DRAWG\as Stations\QUIKSTOP\Qs56\Sts Conceptual Model_Jan11\Fig4B_Cross Sections_TPHg In GW_4Q10.dwg | Layout Tab: 11x17

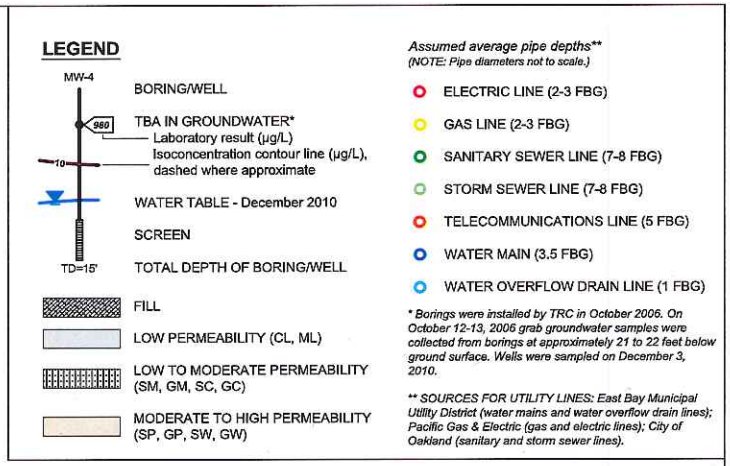
GEOLOGIC CROSS SECTIONS WITH TPHg CONCENTRATIONS IN GROUNDWATER
Fourth Quarter 2010*
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

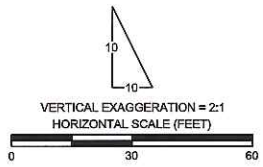
TRC | 164030 | **FIGURE 4B**


A
ELEVATION (FT-MSL)
A'
APPROXIMATE DEPTH (FT-BGS)
CROSS SECTION B-B'
MW-7
B-2 (PROJECTED 9' SOUTHWEST)
B-5 (PROJECTED 25' SOUTHWEST)
MW-4 (PROJECTED 34' SOUTHWEST)
B-7 (PROJECTED 33' NORTHEAST)
MW-5 (PROJECTED 32' NORTHEAST)
B-6
34
710
160
10
11
2.3
<0.50
<1.0
2.6
TD=25'
TD=30'
TD=15'
TD=10'
B
ELEVATION (FT-MSL)
B'
APPROXIMATE DEPTH (FT-BGS)
CROSS SECTION A-A'
B-8
MW-6 (PROJECTED 18' EAST)
B-5 (PROJECTED 27' WEST)
MW-4 (PROJECTED 30' WEST)
MW-1
B-4 (PROJECTED 39' WEST)
MW-3 (PROJECTED 32' WEST)
MW-2 (PROJECTED 21' EAST)
FORMER UST EXCAVATION
19
2.1
10
11
2.3
740
160
3.5
<0.50
1.0
TD=30'
TD=15'
TD=29'
TD=33'
LEGEND
MW-4
2.3
10
TD=15'
BORING/WELL
MTBE IN GROUNDWATER*
Laboratory result (µg/L)
Isoconcentration contour line (µg/L), dashed where approximate
WATER TABLE - December 2010
SCREEN
TOTAL DEPTH OF BORING/WELL
FILL
LOW PERMEABILITY (CL, ML)
LOW TO MODERATE PERMEABILITY (SM, GM, SC, GC)
MODERATE TO HIGH PERMEABILITY (SP, GP, SW, GW)
Assumed average pipe depths**
(NOTE: Pipe diameters not to scale.)
ELECTRIC LINE (2-3 FBG)
GAS LINE (2-3 FBG)
SANITARY SEWER LINE (7-8 FBG)
STORM SEWER LINE (7-8 FBG)
TELECOMMUNICATIONS LINE (5 FBG)
WATER MAIN (3.5 FBG)
WATER OVERFLOW DRAIN LINE (1 FBG)
* Borings were installed by TRC in October 2006. On October 12-13, 2006 grab groundwater samples were collected from borings at approximately 21 to 22 feet below ground surface. Wells were sampled on December 3, 2010.
** SOURCES FOR UTILITY LINES: East Bay Municipal Utility District (water mains and water overflow drain lines); Pacific Gas & Electric (gas and electric lines); City of Oakland (sanitary and storm sewer lines).
10
10
VERTICAL EXAGGERATION = 2:1
HORIZONTAL SCALE (FEET)
0
30
60
GEOLOGIC CROSS SECTIONS WITH MTBE CONCENTRATIONS IN GROUNDWATER
Fourth Quarter 2010*
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California
TRC
164030
FIGURE 4C
FILE NAME: Z:\CAD_DRAWG\as Stations\QUIKSTOP\Qs56\Site Conceptual Model_Jan11\Fig4C_Cross Sections_MTBE in GW_4Q10.dwg | Layout Tab: 11x17









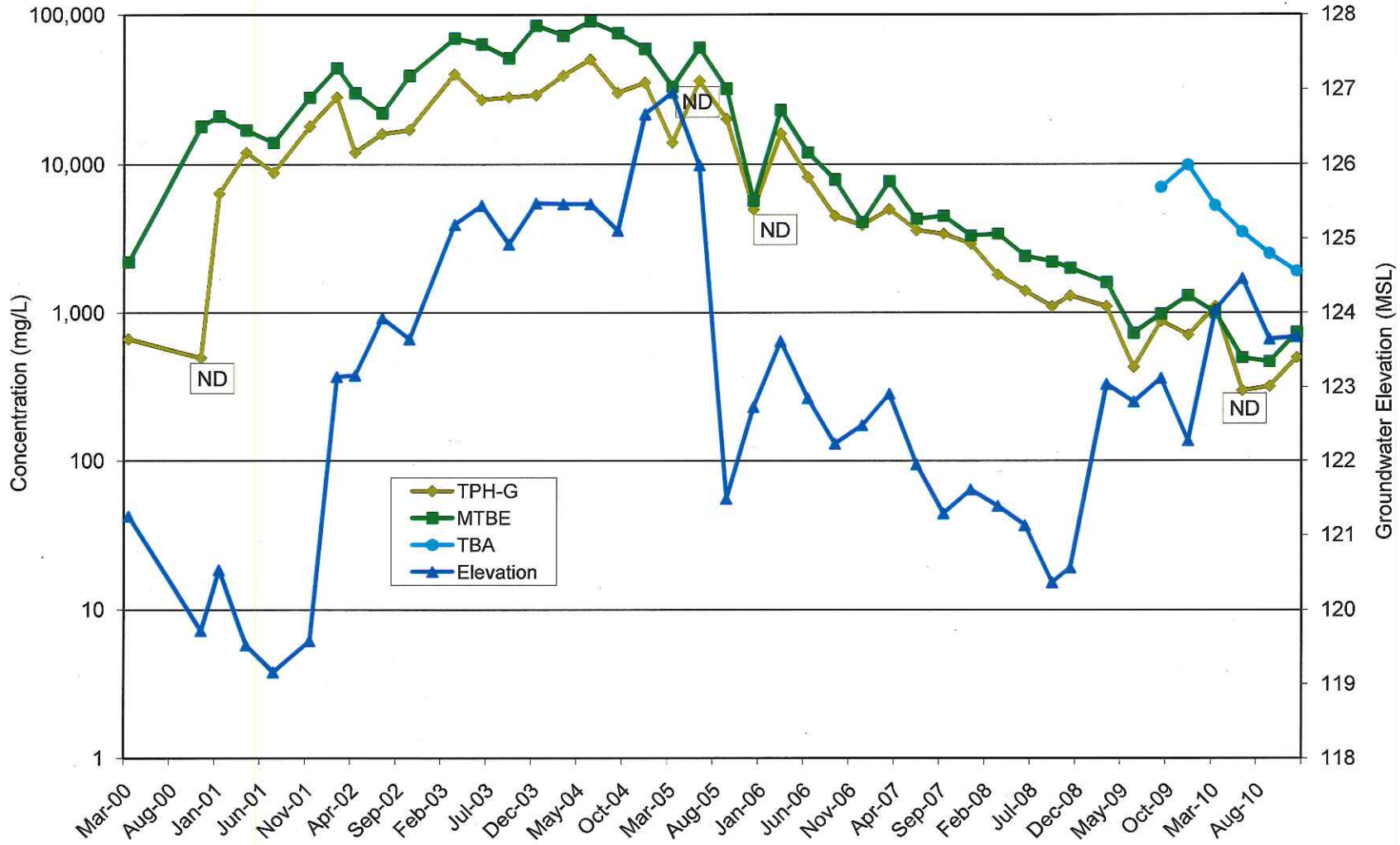
GEOLOGIC CROSS SECTIONS WITH TBA CONCENTRATIONS IN GROUNDWATER
Fourth Quarter 2010*
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 164030 | **FIGURE 4D**

FILENAME: I:\CAD\Quik Stop 56\Site Conceptual Model_Jan11\Fig4D_Cross Sections_TBA In GW_4Q10.dwg | Layout Tab: 11x17

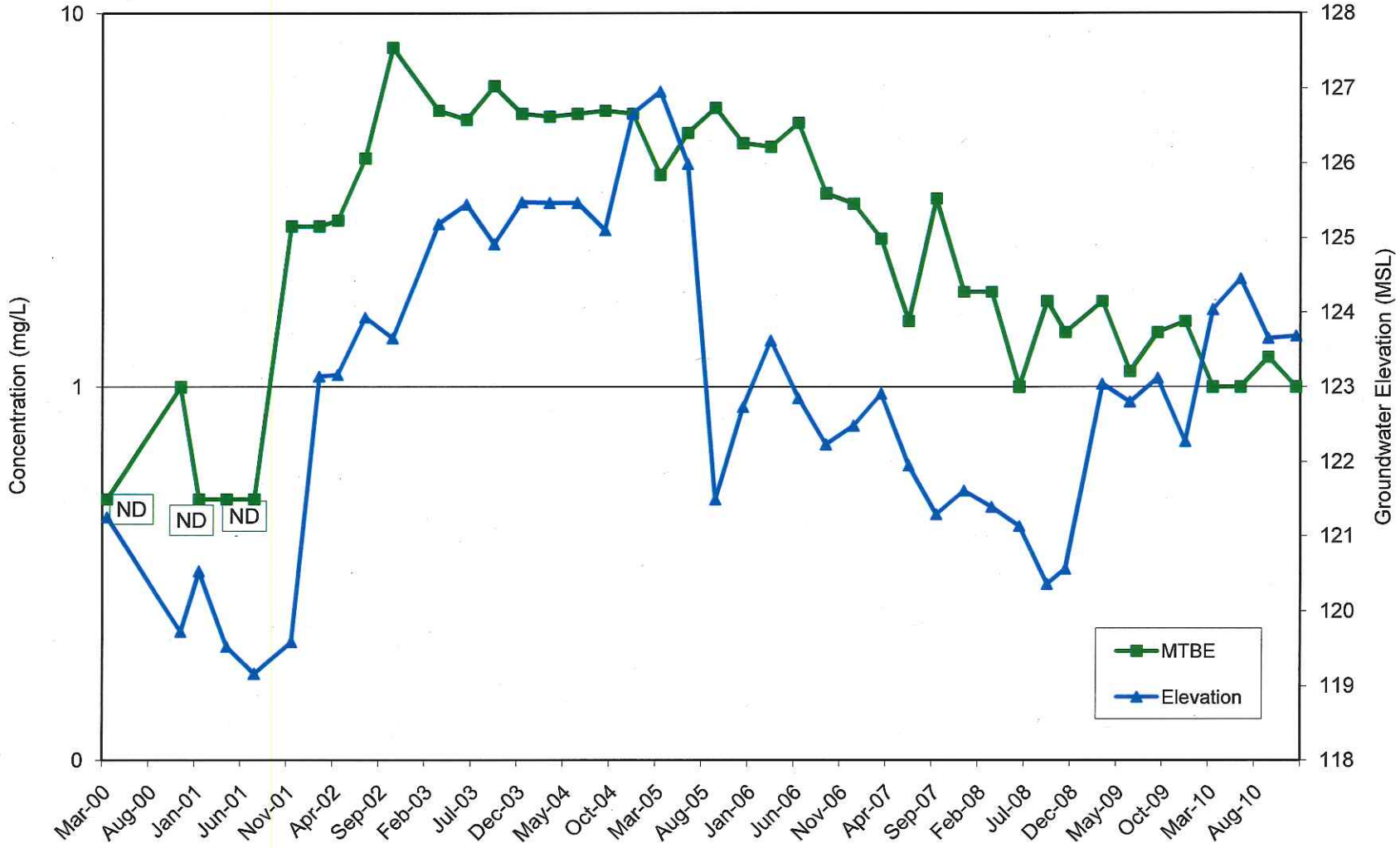
ATTACHMENT 7

Graph 2
Monitoring Well MW-1
Historical Concentrations of Detectable Constituents
and Groundwater Elevation



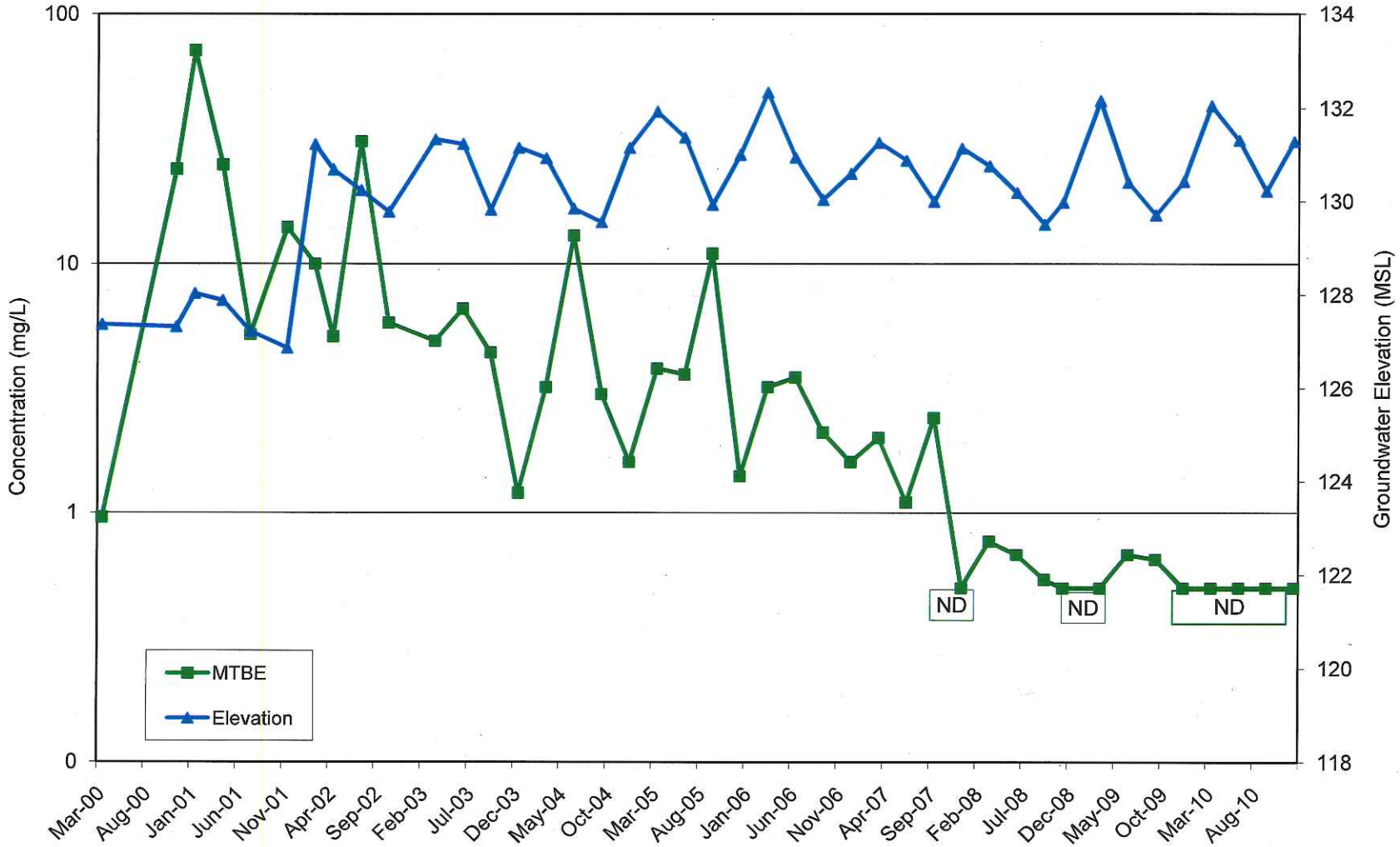
Notes:
ND -Not detected above the concentration shown.

Graph 3
Monitoring Well MW-2
Historical Concentrations of Detectable Constituents
and Groundwater Elevation



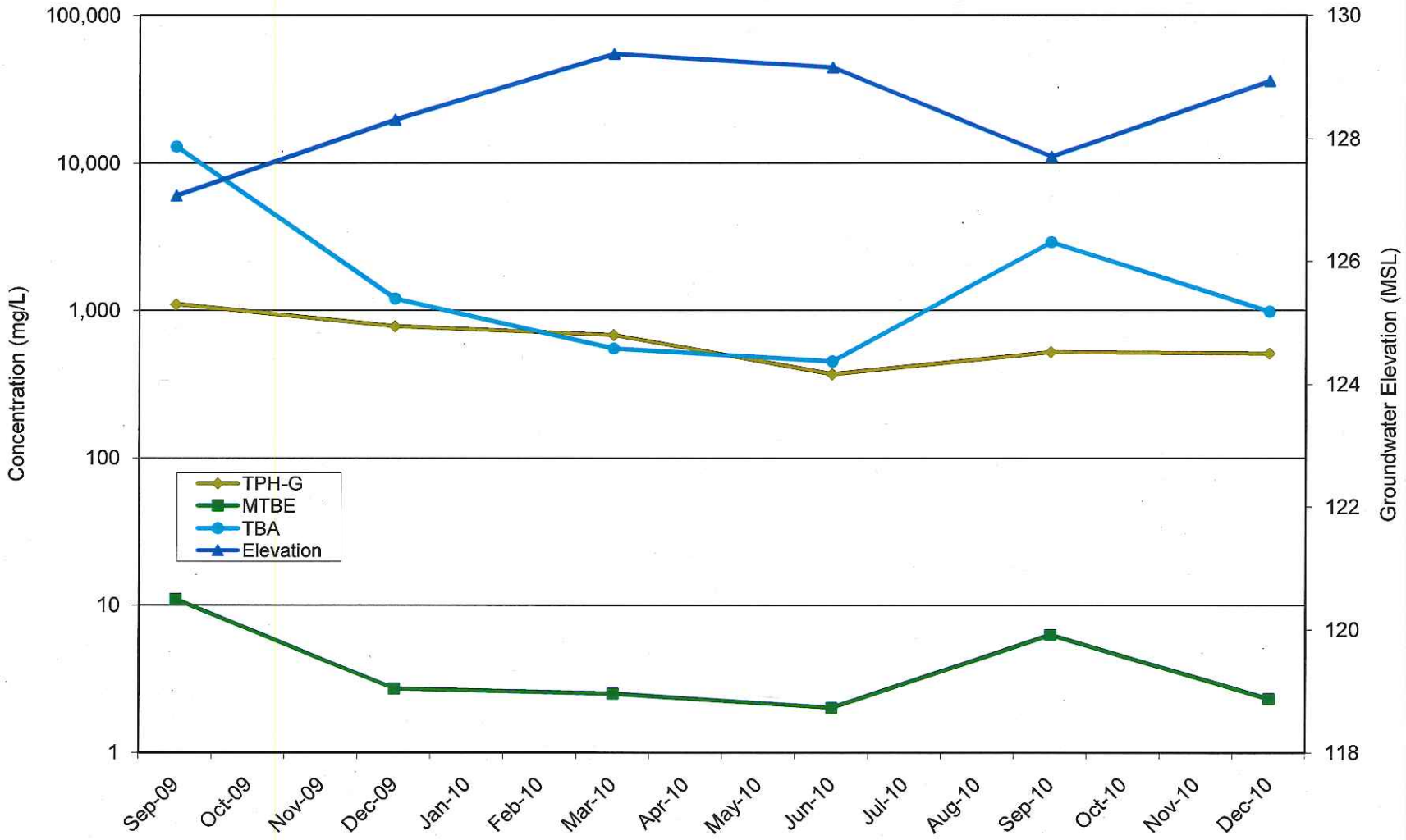
Notes:
ND - Not detected above the concentration shown.

Graph 4
Monitoring Well MW-3
Historical Concentrations of Detectable Constituents
and Groundwater Elevation

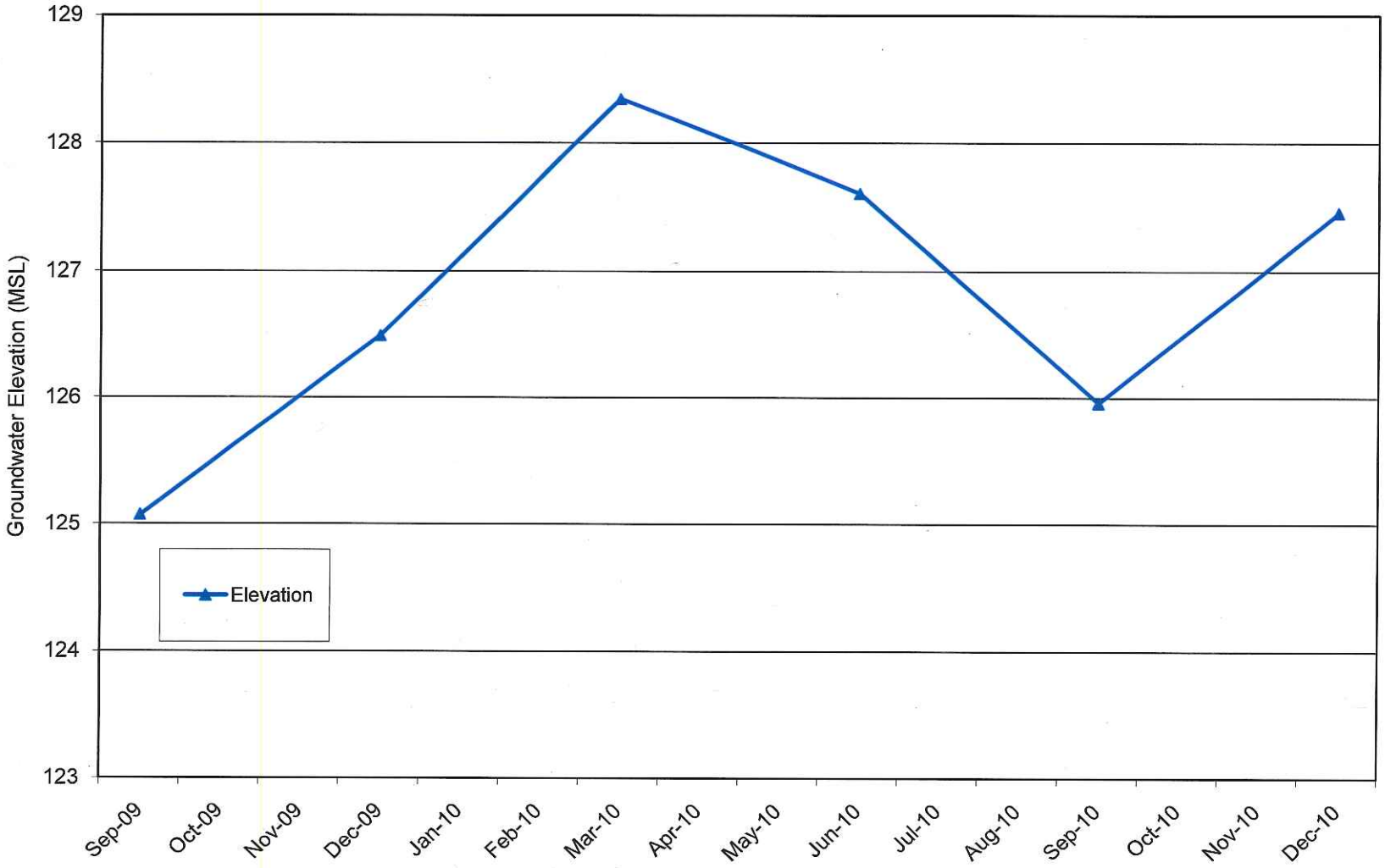


Notes:
ND - Not detected above the concentration shown.

Graph 5
Monitoring Well MW-4
Historical Concentrations of Detectable Constituents
and Groundwater Elevation

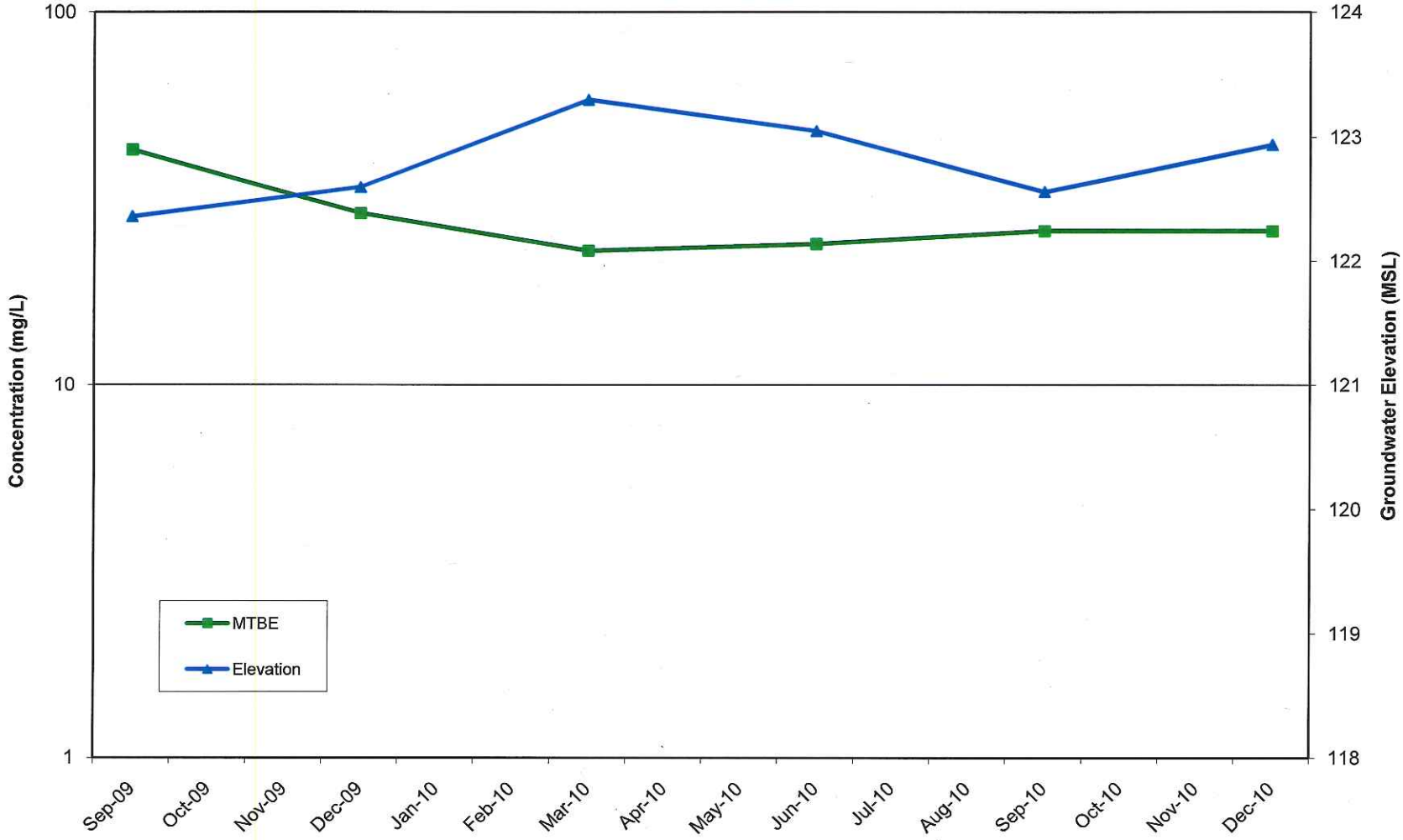


Graph 6
Monitoring Well MW-5
Historical Concentrations of Detectable Constituents
and Groundwater Elevation

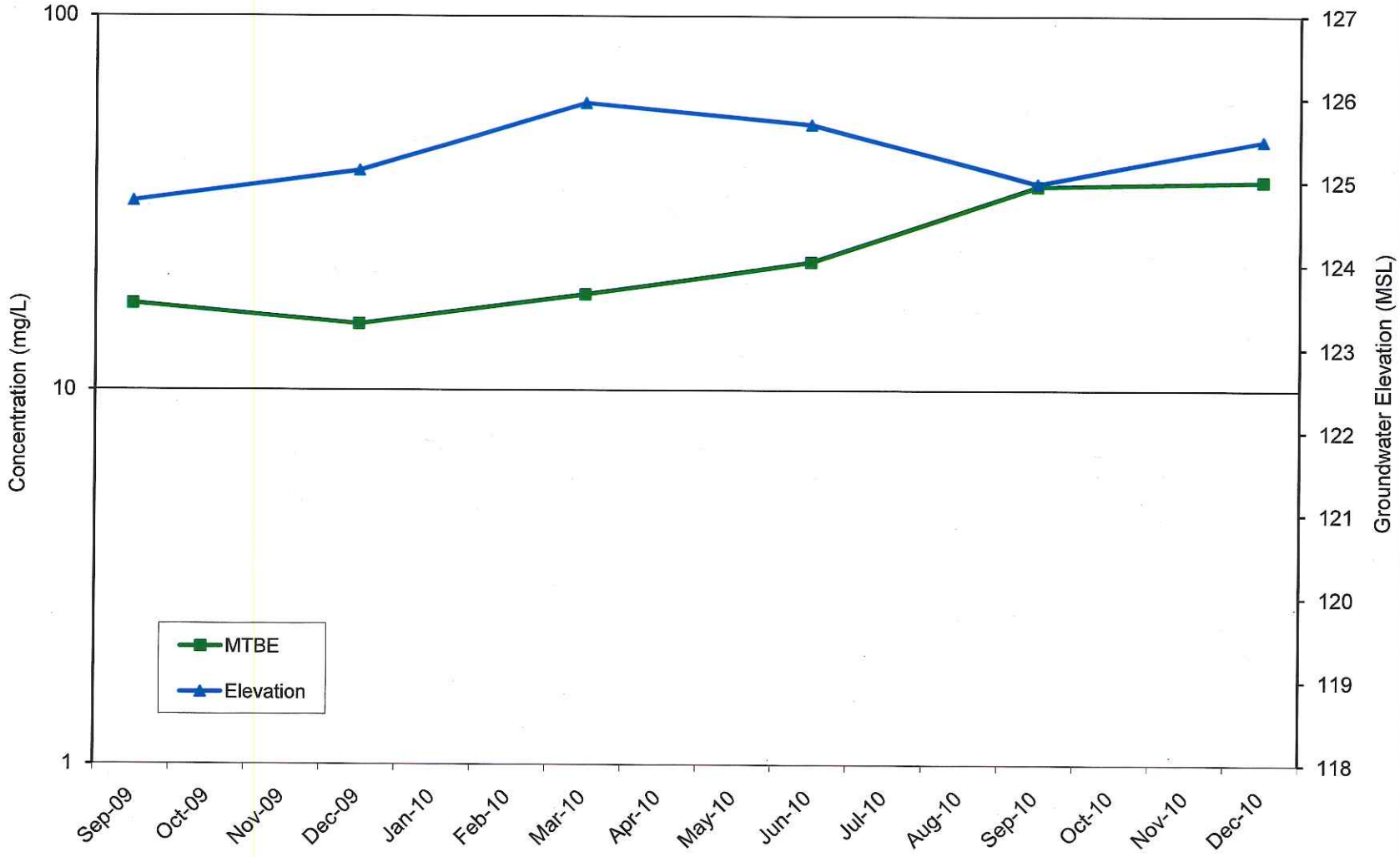


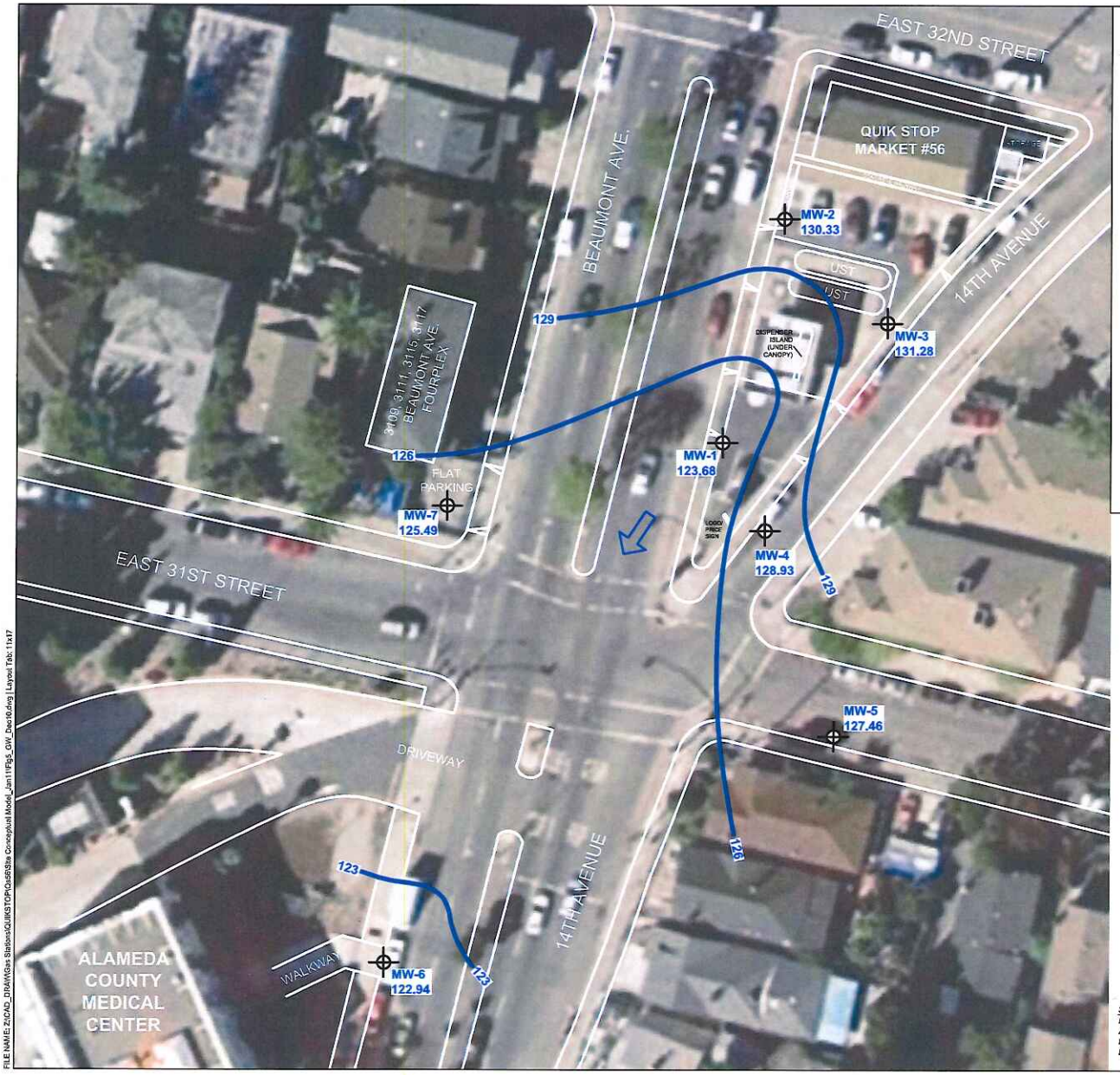
Notes:
No constituents in MW-5 were reported above laboratory reporting limits.

Graph 7
Monitoring Well MW-6
Historical Concentrations of Detectable Constituents
and Groundwater Elevation

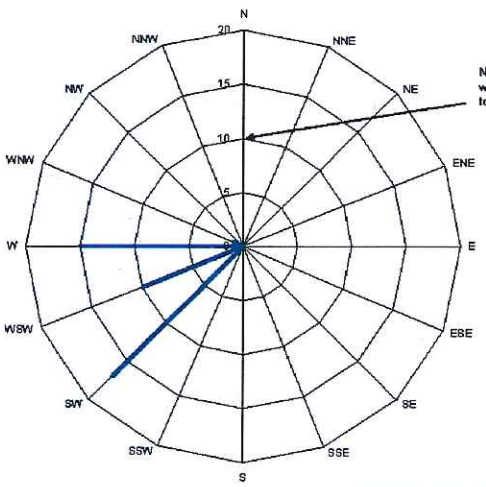


Graph 8
Monitoring Well MW-7
Historical Concentrations of Detectable Constituents
and Groundwater Elevation





Historical Groundwater Flow Directions for Quik Stop Markets No. 56
February 2000 through December 2010



Number of monitoring events in which groundwater was reported to flow in a particular direction.

LEGEND

- ⌖ MONITORING WELL
- 125.49 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 126 GROUNDWATER ELEVATION CONTOUR LINE
- GENERAL DIRECTION OF GROUNDWATER GRADIENT

N

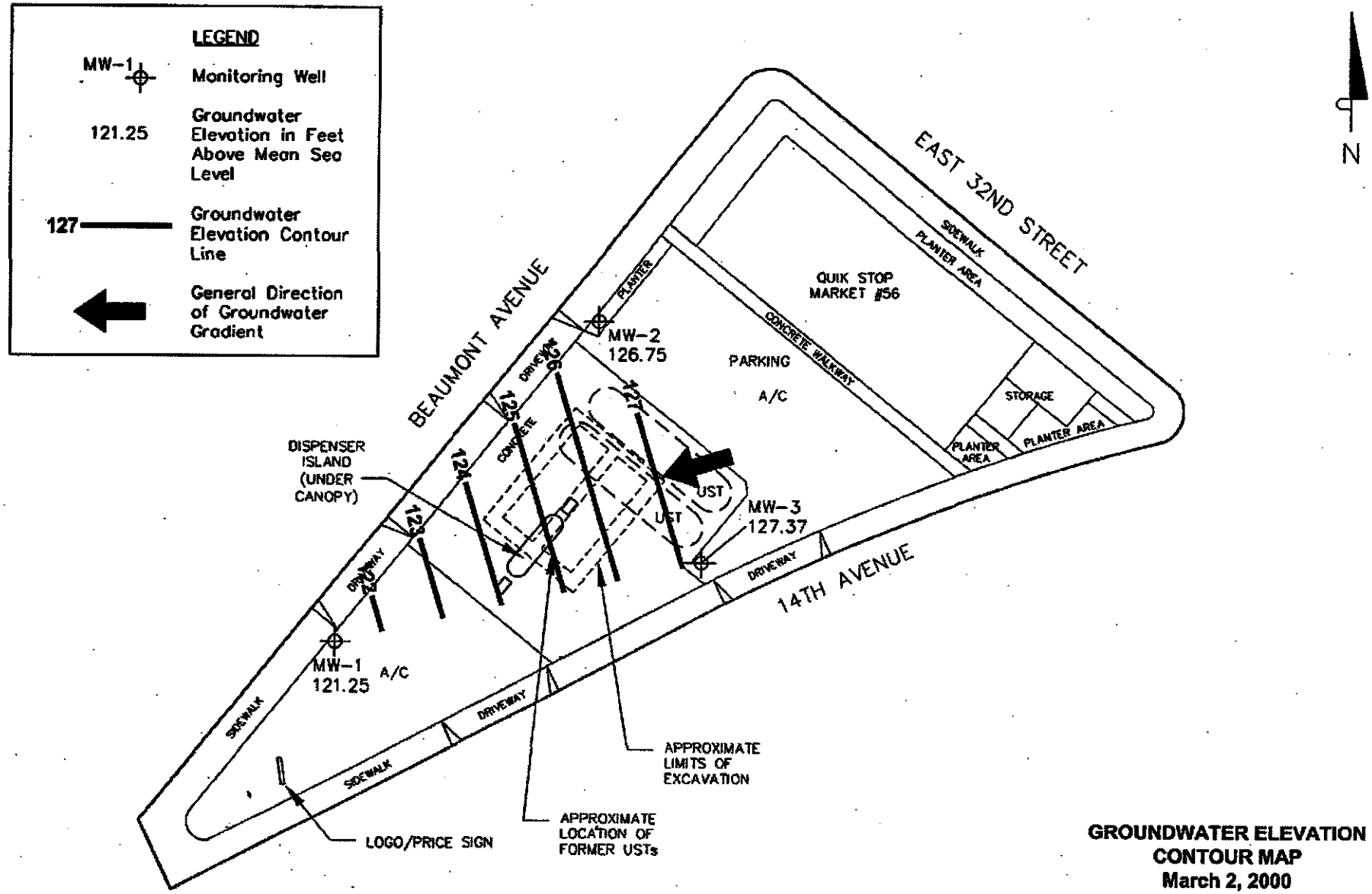
SCALE (FEET)
0 40 80

SOURCES: Client-provided drawings and Garlow, 1998. Revised November 2001 per well survey by Doble Thomas Associates, and August 2009 per well survey of MW-4 through MW-6 by Virgil Chavez, PLS. Aerial photo by Google Earth, October 2009.

GROUNDWATER ELEVATION CONTOUR MAP
December 2, 2010
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 164030 | **FIGURE 5**

FILE NAME: Z:\CAD_DRAWINGS\Gas Stations\QUIKSTOP\Qs56\Site Conceptual Model_Jan11\Pgs_GW_Dec10.dwg | Layout Tab: 11x17



GROUNDWATER ELEVATION CONTOUR MAP
March 2, 2000

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

NOTES:
Contour lines are interpretive based on fluid level measurements taken on March 2, 2000. Contour interval = 1.0 foot.

SOURCE: Client-provided drawings and Gorlow, 1998.

ALTON GEOSCIENCE
Northern California

FIGURE 5