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 27, 2013

Shane Nolan
Platinum Energy
30343 Canwood Street, Suite 200
(*Sent via E-mail to:*snolan@platinum-energy.net)

Ali Aliasgari
15803 E. 14th Street
San Leandro, CA 94578

Ed Ralston
Phillips 66 Company
76 Broadway
Sacramento, CA 95818
(*Sent via E-mail to:*Ed.C.Ralston@p66.com)

Subject: Fuel Leak Case No. RO0002969 and GeoTracker Global ID T0619718179, UNOCAL #6277, 15803 E. 14th Street, San Leandro, CA 94578

Dear Messrs. Nolan, Ralston, and Aliasgari:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank 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 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

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 (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director

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Dear Mr. Naclerio:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). 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.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual petroleum hydrocarbon pollution in soil and groundwater remains in place at this site. Concentrations up to 1,000 mg/kg TPHg, 310 mg/kg TPHd, and 0.71 mg/kg benzene remain in soil and 15,000 µg/L TPHd, 390 µg/L TPHg, and 2,500 µg/L TOG remain in groundwater beneath the site.
- Residual naphthalene pollution in soil exceeds residential standards.
- The site is an active gas station and no soil vapor sampling was conducted.
- Case closure for this fuel leak site is granted for the current commercial land use only. If a change in land use to any residential or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans.
- Excavation or construction activities in areas of residual contamination, and as a result of the presence of VOC and SVOC impacts at depth, require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

If you have any questions, please call Keith Nowell at (510) 567-6764. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Division Chief

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

cc: Cherie McCaulou (w/enc.), SF- Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to CMacaulou@waterboards.ca.gov)

Donna Drogos, (sent via electronic mail to donna.drogos@acgov.org)
Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Keith Nowell (sent via electronic mail to keith.nowell@acgov.org)
Electronic File, GeoTrack

Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: June 27, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567 - 6764
Responsible Staff Person: Keith Nowell	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Unocal #6277		
Site Facility Address: 15803 E. 14th St, San Leandro, CA 94578		
RB Case No.: ----	Local Case No.: ----	LOP Case No.: RO0002969
URF Filing Date: Oct. 23, 2007	Geotracker ID: T0619718179	APN: 80C-500-7

Responsible Parties	Addresses	Phone Numbers
Ali Aliasgari	15803 E. 14th St, San Leandro, CA 94578	510 / 276 - 6336
Shane Nolan Western Dealer Holding Company LLC	30343 Canwood St Ste 200, Agoura Hills, CA 91301	818 / 206 - 5704
Ed Ralston ConocoPhillips	76 Broadway, Sacramento, CA 95818	916 / 558 - 7633
Ella M Coelho Trust Coelho Gas LLC	18616 Highway 33E, Dos Palos, CA 93620	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
---	---	---	None*	---
Piping			None*	---

*Facility is an active service station and was sold to current operator along with the current USTs. Case opened after divestment sampling. The USTs and piping were not removed and USTs remain in place and operational.

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. 2007 Due Diligence Assessment identified groundwater contamination exceeding concentrations in previously closed case (RO1039), based on grab groundwater sampling, at this site.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 4	Proper screened interval? *Yes*
Highest GW Depth Below Ground Surface: 9.35 feet bgs	Lowest Depth: 10.78 feet bgs	Flow Direction: NW to NNW
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity:

There are 15 water supply wells, and two wells of unknown use (one abandoned well and one well listed as "other") identified within 1/2-mile of the site.

- A 148-foot deep 8-inch diameter irrigation well was installed in 1949 (Map ID #7) along the east side of the Estudillo canal, more than 300 feet northwest (down gradient) of the site. The property serviced by the irrigation well- located between the canal and the site- was redeveloped as an apartment complex, though there is no record of the well being decommissioned. A field reconnaissance conducted in Fall 2012 did not locate the well. Based on the levels of residual contamination it does not appear the well is a receptor for this site.
- Three wells are located between 860 and 1,000 feet cross gradient to the site. Two of the wells are located in areas having since been redeveloped as residential subdivisions. These three wells do not appear to be receptors for this site due to their distance and cross-gradient locations.
- Based on distance (>1,100 feet) and/or reported groundwater flow direction, the other 13 wells identified within 1/2-mile of the site do not appear to be receptors for this site.

The well survey identified four wells with undetermined locations.

- One 370-foot deep water supply well locations unknown, has a shallowest screened interval starting at 275 feet. Based on the screened interval, this well it is unlikely to be a receptor for this site.
- Two irrigation wells, less than 100 feet deep, locations unknown, and one abandoned well with no depth or location data was also reported. Without a location, the potential of these wells as receptors cannot be determined; however, based on the reported petroleum concentrations in groundwater, it is unlikely these wells would be receptors for this site.
- The 47-foot deep irrigation well listed as having an undetermined location is located approximately 3,800 feet to the east of the site. Based on the distance and the cross-to up gradient location of the well it is unlikely to be a receptor for this site.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: The Estudillo canal is located approximately 280 feet WNW of the site. The channel is fed in part by an underground culvert/ storm drain located beneath East 14th Street along the northeastern side of the property.
Off-Site Beneficial Use Impacts (Addresses/Locations): None Identified	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Geotracker

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	None removed*	----	----
Piping	None removed*	----	----
Free Product	None encountered	----	----
Soil	None removed*	----	----
Groundwater	None removed*	----	----

* Site is an active service station. The business was sold to current operator along with the current USTs. This case opened after divestment sampling. The USTs were not removed and are in place and operational.

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After[1]
TPH (Gas)	1,000	1,000	6,400	390[1]
TPH (Diesel)	310	310	15,000[2]	15,000[2]
TPH (Motor Oil)	852[2]	852[2]	1,600	1,600
Oil and Grease	Not Analyzed	Not Analyzed	2,500	2,500
Benzene	0.71	0.71	86.9	11[1]
Toluene	12.3	12.3	120	0.68[1]
Ethylbenzene	19.0	19.0	300	6.6[1]
Xylenes (total)	103	103	1,040	13[1]
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	105[4]	105[4]	6,670[5]	6,670[5]
MTBE	0.83[6]	0.83[6]	210[7]	71[1,8]
Other (8270)	12.9[9]	12.9[9]	5[10]	5[10]
Other (8260)	0.31[11, 13]	0.31[11, 13]	342[12, 13]	342[12, 13]

[1] Groundwater data from most recent groundwater monitoring event performed on November 14, 2012.

[2] Grab groundwater sample.

[3] With Silica Gel Cleanup.

[4] 0.275 mg/kg Cd; 63.8 mg/kg Cr; 37.9 mg/kg Pb; 63.8 mg/kg Ni; 105 mg/kg Zn.

[5] 105 µg/L Cd; 3,890 µg/L Cr; 1,320 µg/L Pb; 6,520 µg/L Ni; 6,670 µg/L Zn. Metals concentrations suspect as it appears an unfiltered sample was decanted into a preserved sample bottle and submitted for analysis.

[6] 0.83 mg/kg MTBE, 0.19 mg/kg TBA; <0.13 mg/kg TAME; <0.13 mg/kg ETBE; <0.13 mg/kg DIPE; 22 mg/kg EtOH; <0.0030 mg/kg EDB; <0.13 mg/kg EDC. Ethanol was detected in the method blank at an estimated concentration of 17 mg/kg. The blank value was not subtracted from the analytical results. Ethanol is a contaminate in the methanol used to perform the high level of extraction.

[7] 210 µg/L MTBE, 23 µg/L TBA; <0.80 µg/L TAME; <0.80 µg/L ETBE; <0.80 µg/L DIPE; <250 µg/L EtOH; <1.0 µg/L EDB; <1.0 µg/L EDC

[8] 98.4 µg/L MTBE, 14.5 µg/L TBA; <0.50 µg/L TAME; <0.50 µg/L ETBE; <0.50 µg/L DIPE; <250 µg/L EtOH; <1.0 µg/L EDB; and <1.0 µg/L EDC.

[9] 12.9 mg/kg naphthalene, 2.2 mg/kg phenanthrene, 0.68 mg/kg phenol, 0.63 mg/kg benzo(a)anthracene, 0.44 mg/kg benzo(b)flouranthene, 0.34 mg/kg benzo(a)pyrene, and 0.63 mg/kg 2-methylnaphthalene..

[10] 3 µg/L pyrene, 4 µg/L naphthalene, 5 µg/L phenanthrene, and 3 µg/L 2-methylnaphthalene.

[11] 0.062 mg/kg PCE, <0.13 mg/kg TCE, and 0.31 mg/kg acetone.

[12] 342 µg/L PCE, 16 µg/L TCE, 8 µg/L c-1,2-DCE, 40.5 µg/L naphthalene, and 3 µg/L pyrene.

[13] This site is within a DTSC regional VOC contaminant study area and no on-site source for the VOCs has been identified. The VOCs appear to be from an off-site source. As such VOC compounds are not considered to be a part of this case closure.

Site History and Description of Corrective Actions:

The site is an active fueling facility located at the northwest corner of East 14th Street and 159th Avenue in San Leandro, CA. It has been an active gasoline service station since 1969. In March 1989, two soil borings were advanced at the site in preparation for a station upgrade involving the replacement of underground gasoline and waste oil storage tanks and piping. The investigation revealed an unauthorized released had occurred and a case was opened (ACEH case number RO1039). Site remediation and groundwater monitoring was performed, culminating in case closure in December, 2000. A pre-divestment Due Diligence Site Assessment was performed for the site in September 2007. The assessment included advancing six on-site borings, identified as ATC-1 through ATC-6, for the recovery and analysis of soil and groundwater samples. The laboratory analysis report documented contaminant concentrations in groundwater consistently exceeding the closure concentrations for total petroleum hydrocarbons as gasoline (TPHg), TPH as diesel (d), and benzene, toluene, ethylbenzene, and xylenes (BTEX). The pre-divestment contaminant concentrations indicated a second release may have occurred and a new case was opened. The maximum soil and groundwater concentrations at the time of 2000 closure and the 2007 pre-divestment Due Diligence concentrations at the site are presented in the table below.

CLOSURE CONCENTRATIONS AND PRE-DIVESTMENT SAMPLING CONCENTRATIONS

Contaminant	Soil (mg/kg)		Water (µg/L)	
	Closure (2000)	Pre-Divestment (2007)	Closure (2000) [1]	Pre-Divestment (2007)
TPH (Gas)	1,100	1,000	230	6,400
TPH (Diesel)	280	310	63[2]	15,000[3]
TPH (Motor Oil)	Not Analyzed	Not Analyzed	Not Analyzed	1,600
Oil and Grease	1,300	Not Analyzed	Not Analyzed	Not Analyzed
Benzene	4.0	<0.63	29	60
Toluene	43	1.2	<0.50	120
Ethylbenzene	37	8.8	<0.50	300
Xylenes	230	48	0.91	1,040
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	Not Analyzed	58.2[4]	Not Analyzed	<8.1[5]
MTBE	Not Analyzed	0.83[6]	250[7]	210[8]
Other (8270)	Not Analyzed	2.2[9]	Not Analyzed	5[10]
Other (8010/8260)	0.31[11,13]	0.31[11,13]	342[12,13]	342[12,13]

1. Concentrations from last reported groundwater monitoring event conducted on 01/02/1997 unless otherwise noted.
2. Last reported groundwater diesel analysis performed 9/10/1993
3. Grab groundwater sample.
4. 0.474 mg/kg Cd; 58.2 mg/kg Cr; 9.37 mg/kg Pb; 57.8 mg/kg Ni; 52.9 mg/kg Zn
5. <0.90 µg/L Cd; <2.3 µg/L Cr; <6.9 µg/L Pb; <5.6 µg/L Ni; <8.1 µg/L Zn.
6. 0.83 mg/kg MTBE, 0.19 mg/kg TBA; <0.13 mg/kg TAME; <0.13 mg/kg ETBE; <0.13 mg/kg DIPE; 22 mg/kg EtOH; <0.0030 mg/kg EDB; <0.13 mg/kg EDC. Ethanol was detected in the method blank at an estimated concentration of 17 mg/kg. The blank value was not subtracted from the analytical results. Ethanol is a contaminate in the methanol used to perform the high level of extraction.
7. 250 µg/L MTBE; TBA, TAME, ETBE, DIPE, EtOH, EDB, and EDC all not analyzed.
8. 210 µg/L MTBE, <5 µg/L TBA, <5 µg/L TAME, <5 µg/L ETBE, <5 µg/L DIPE, < 80 µg/L EtOH, <5 µg/L EDB, and <5 µg/L EDC.
9. 10.53 mg/kg naphthalene, 2.2 mg/kg phenanthrene, 0.68 mg/kg phenol, 0.63 mg/kg benzo(a)anthracene, 0.44 mg/kg benzo(b)flouranthene, 0.34 mg/kg benzo(a)pyrene, and 0.63 mg/kg 2-methylnaphthalene.
10. 3 µg/L Pyrene, 4 µg/L Naphthalene, 5 µg/L Phenanthrene, and 3 µg/L 2-methylnaphthalene.
11. 0.062 mg/kg PCE, <0.13 mg/kg TCE, and 0.31 mg/kg acetone.
12. 342 µg/L PCE, 16 µg/L TCE, 8 µg/L c-1,2-DCE, and 40.5 µg/L naphthalene.
13. This site is within a DTSC regional VOC contaminant study area and no on-site source for the VOCs has been identified. As such VOC compounds are not considered to be a part of this case closure.

Site History and Description of Corrective Actions (Continued)

Additional soil and groundwater investigations were performed and documented in reports dated March 3, 2010 and July 5, 2011. The 2010 report documented the advancement of six on-site soil borings, designated B-1 through B-5 and B-7, the recovery of soil and groundwater samples for analyses, and reported maximum soil concentrations for TPHg of 603 milligrams per kilogram (mg/kg), TPHd of 63.7 mg/kg (61 mg/kg with silica gel cleanup [SGC]) and 582 mg/kg (551 mg/kg with SGC) TPH as motor oil (mo). BTEX compound concentrations were reported up to 0.71 mg/kg, 12.3 mg/kg, 19.0 mg/kg, and 103 mg/kg, respectively. The fuel oxygenate MTBE was reported at a concentration up to 0.21 mg/kg and tertiary butyl alcohol (TBA) at 0.093 mg/kg. Maximum concentrations of the LUFT metals, cadmium (Cd), chromium (Cr), lead (Pb), nickel (Ni), and zinc (Zn) were reported at 0.275 mg/kg, 63.8 mg/kg, 37.9 mg/kg, 64.4 mg/kg, and 105 mg/kg, respectively.

Grab groundwater samples recovered for the March 2010 soil and groundwater investigation documented maximum concentrations of TPHg of 2,110 µg/L, 494 µg/L (325 µg/L with SGC) TPHd, and 831 µg/L (627 µg/L with SGC) TPHmo. Maximum BTEX compound concentrations were reported at 86.9 µg/L, 56.0 µg/L, 114 µg/L, and 357 µg/L, respectively. MTBE, reported at 80.2 µg/L, was the only fuel oxygenate with a concentration above the laboratory reporting limit. The grab groundwater samples recovered for LUFT metals analysis were improperly handled as the samples were acidified prior to filtering. The metals analysis reported in the laboratory report included dissolved concentrations of metals in groundwater and acid-leachable metals from sediment contained within the samples, resulting in non-representative elevated metal concentrations.

Activities presented in the 2011 report documented the installation of four on-site groundwater monitoring wells (designated MW-7 through MW-10), including advancement of the soil borings, well construction and development details, and the recovery of soil and monitoring well groundwater samples for laboratory analyses. Maximum soil concentrations of TPHg of 289 mg/kg and 852 mg/kg TPHmo (with SGC), and BTEX concentrations of up to 0.061 mg/kg, 0.037 mg/kg, 4.3 mg/kg, and 8.4 mg/kg, respectively, were reported. Maximum concentrations of the fuel oxygenates MTBE and TBA were documented at 0.086 mg/kg and 0.023 mg/kg, respectively. Maximum lead (Pb) concentrations were reported up to 15.7 mg/kg. The initial groundwater monitoring well sampling event, conducted in April, 2011, revealed a maximum TPHg concentration of 2,420 µg/L. BTEX compound concentrations were reported up to 22.4 µg/L, 12.4 µg/L, 11.3 µg/L, and 449 µg/L, respectively. The fuel oxygenate MTBE was documented at up to 152 µg/L and 5.7 µg/L for TBA.

July 2011 – November 2012 – Six additional quarterly groundwater monitoring events were performed at the site. A review of the laboratory analysis data indicates TPHg and fuel component concentrations may be decreasing with time but the trend is partially masked by generally increasing concentrations correlated with decreasing depths-to-water for the four wells. The groundwater gradient and direction has been relatively uniform in the NW to NNW direction at between 0.002 and 0.005 feet/foot. The most recent groundwater monitoring event, conducted on November 14, 2012, reported a maximum TPHg concentration of 390 µg/L. BTEX was reported in one well at 11 µg/L, 0,68 µg/L, 6.6 µg/L, and 13 µg/L, respectfully. One fuel oxygenate, MTBE, was reported above the laboratory reporting limit at a maximum concentration of 71 µg/L.

Volatile organic compounds (VOCs) have been identified at the site during the previous (RO1039) and the current case investigations. Groundwater concentrations include up to 40.5 µg/L naphthalene, 342 µg/L tetrachloroethene (PCE), 16 µg/L trichloroethene (TCE), 104 µg/L beneath the site. This site is within a study area for a regional VOC plume conducted in the early-1990s study by the California State Department of Toxic Substances Control (DTSC). No on-site source for the VOCs has been identified and appears to be from an off-site source. As such these compounds are not considered to be a part of this case closure.

Semi-volatile organic compounds (SVOCs) have been identified in the current case investigations in groundwater and in capillary fringe zone soil. beneath the site. Groundwater concentrations include up to 1,2,4-trimethylbenzene 3 µg/L pyrene, 5 µg/L phenanthrene, and 3 µg/L 2-methylnaphthalene in groundwater beneath the site. SVOC Soil concentrations are below action levels, and include up to 0.68 mg/kg phenol, 0.30 acenaphthene, 1.8 mg/kg pyrene, 0.34 mg/kg flourene, 2.2 mg/kg phenanthrene, 0.69 mg/kg anthracene, 1.7 mg/kg flouranthene, 0.63 mg/kg Benzo(a)anthracene, 0.54 mg/kg chrysene, 0.44 mg/kg Benzo(b)flouranthene , 0.23 mg/kg Benzo(k)flouranthene, 0.34 mg/kg Benzo(a)pyrene, 0.13 mg/kg indeno(1,2,3-cd)pyrene, and 0.63 mg/kg 2-methylnaphthalene, 0.20 mg/kg dibenzofuran, and 0.56 mg/kg carbazole. No onsite source for the SVOCs was identified in the site investigations. As such these compounds are not considered to be a part of this case closure.

TPHd was identified in the 2007 pre-divestment Due Diligence investigation. Although dispensing of diesel has not been reported at this facility site data indicate that USTs at the site contained diesel at one time. .

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
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 (SWRCB) Low-Threat Underground Storage Tank Closure Policy (LTCP) which became effective on August 17, 2012.		
Site Management Requirements: Case closure for this fuel leak site is granted for the current commercial land use only. If a change in land use to any residential or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination, and as a result of the presence of VOC and SVOC impacts at depth, require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 4	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

The site meets the general criteria for case closure under the LTCP.

The site does not appear to meet scenarios 1, 2, 3, or 4 of the groundwater media-specific criteria for closure under the LTCP because Estudillo canal is less than 100 feet from the edge of the hydrocarbon plume:
However, ACEH believes case closure is appropriate based on an analysis of site-specific conditions:

1. The plume is stable or decreasing in size.
2. The plume is less than 250 feet in length.
3. There is no free product.
4. The dissolved concentration of benzene is less than 1,000 ppb.
5. The dissolved concentration of MTBE is less than 1,000 ppb.

Since the site is an active fueling station, on-site buildings are not required to meet the media-specific criteria for petroleum vapor intrusion to indoor air under the LTCP. The off-site buildings appear to meet scenario 3 of the media-specific criteria in the LTCP for petroleum vapor intrusion to indoor air (with a bioattenuation zone) for the following reasons:

1. There is a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase and the foundation of existing off-site buildings a. Therefore, the site is considered to have a bioattenuation zone under the LTCP.
2. TPH appears to be less than 100 mg/kg within the upper five feet of soil.
3. The concentration of benzene in groundwater is less than 100 micrograms per liter (µg/L).

The site does not meet the media-specific criteria for direct contact and outdoor air exposure for the residential land use scenario under the LTCP. The maximum concentration of naphthalene detected in soil samples collected to date within the upper 10 feet is 12.9 mg/kg, exceeding the residential media-specific criteria of 9.7 mg/kg listed in Table 1 of the LTCP. However the site appears to meet the media-specific criteria for direct contact and outdoor air exposure under the LTCP for the commercial land use scenario. The maximum concentrations of benzene and ethylbenzene detected in soil samples collected to date within the upper 10 feet are less than the media-specific criteria in Table 1 of the LTCP for direct contact and outdoor air exposure for both the residential and commercial land use scenarios. Therefore, case closure is granted for commercial land use only. If a change in land use to residential land use to any residential or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans.

Volatile organic compounds (VOCs) have been identified in the previous (RO1039) and current case files for this facility. VOCs have been identified in groundwater and in capillary fringe zone soil. This site is within a study area for a regional VOC plume conducted in the early-1990s study by the California State Department of Toxic Substances Control (DTSC). No on-site source for the VOCs and appears to be from an off-site source. As such these compounds are not considered to be a part of this case closure.

Semi-volatile organic compounds (SVOCs) have been identified in the current case files for this facility. The SVOCs have been identified in the current case investigations in groundwater and in capillary fringe zone soil at depths of greater than 10 feet below the ground surface. No source for the SVOCs has been identified or evaluated. Therefore, case closure is granted for commercial land use only.

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 unless a change in land use to residential or other conservative land use scenario occurs at his site. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Keith Nowell, P.G., C.H.G.	Title: Hazardous Materials Specialist
Signature: Keith Nowell	Date: 6/27/13
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: Donna L. Drogos	Date: 6/27/13

This closure is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: March 7, 2013	

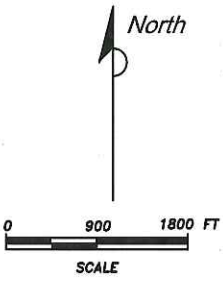
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: May 10, 2013	Date of Well Decommissioning Report: May 31, 2013	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 4	Number Retained: 0
Reason Wells Retained: None retained		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: Keith Nowell		Date: 6/27/13

Attachments:

1. Site Vicinity Maps (4 pp)
2. Site Figures (7 pp)
3. Soil Analytical Data (9 pp)
4. Groundwater Analytical Data (7 pp)
5. Boring Logs (26 pp)
6. Cross Sections (4 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, SAN LEANDRO QUADRANGLE (1973)

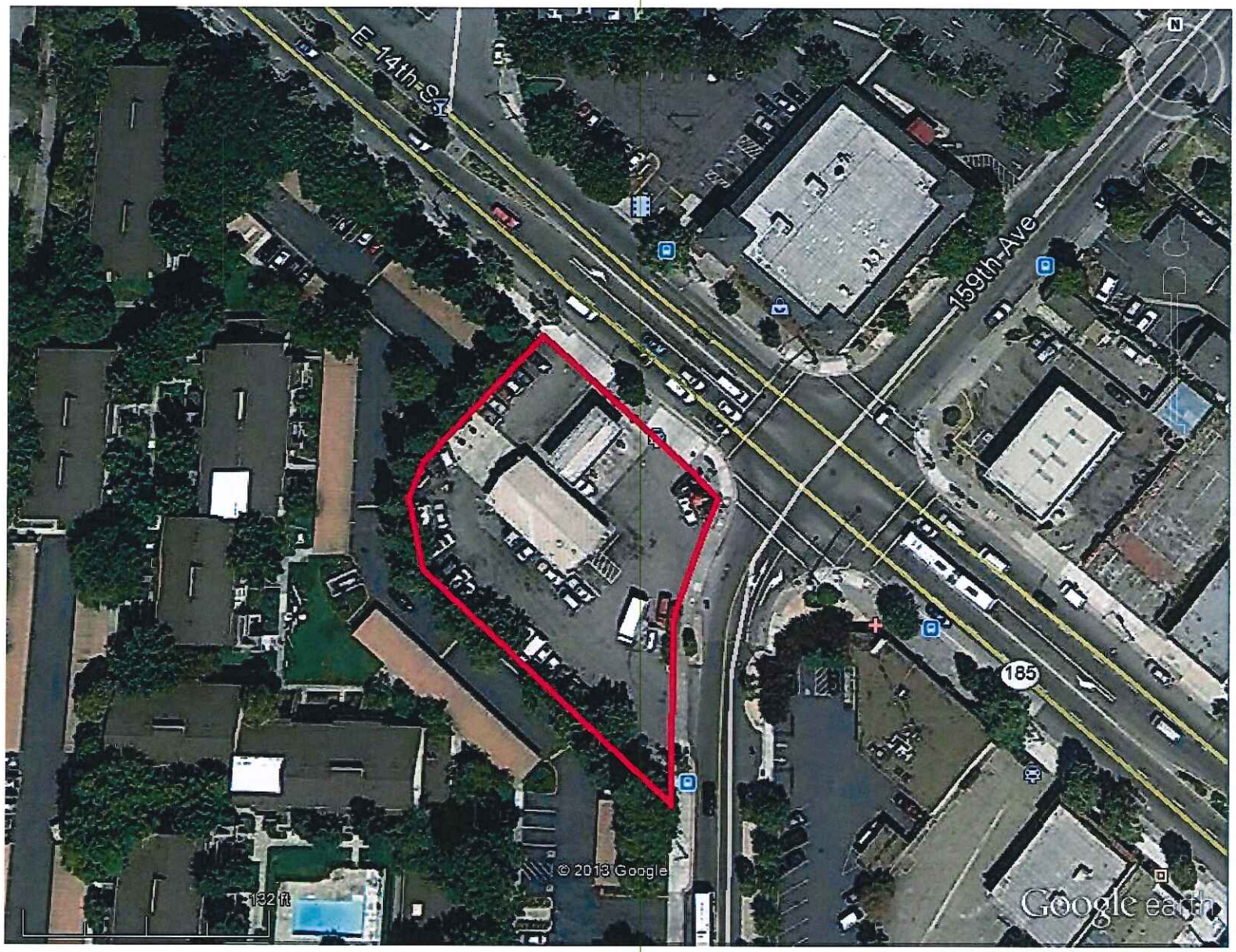
FIGURE 1

SITE LOCATION MAP

76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO. I4256277	DRAWN BY JH 05/13/11
FILE NO. 6277-SiteLocator	PREPARED BY EW
REVISION NO.	REVIEWED BY

anteagroup



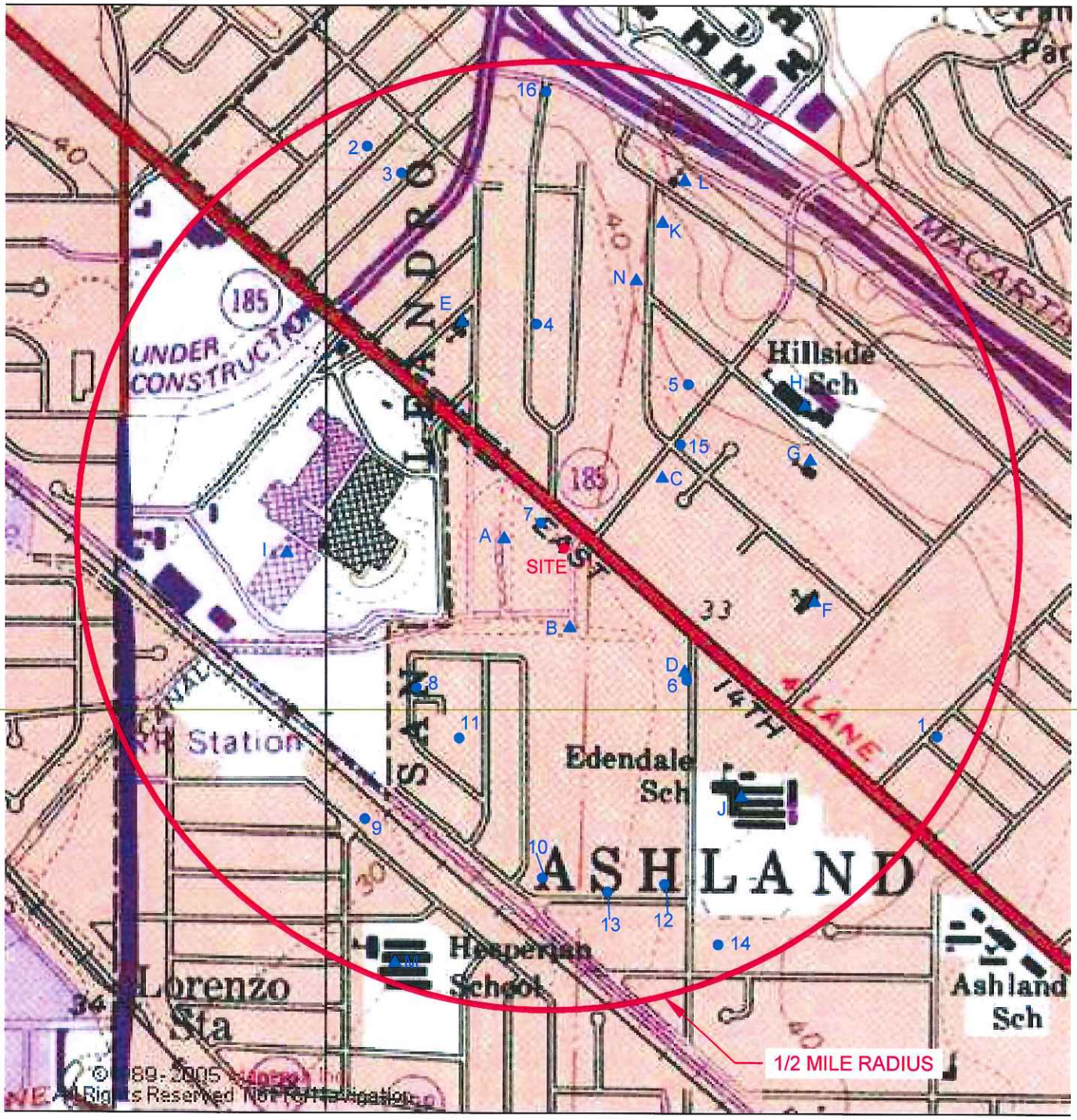
AERIAL PHOTOGRAPH OF SITE AND VICINITY

Unocal #6277

15803 E. 14th Street, San Leandro, CA

Source: Google Earth

ATTACHMENT 1



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1 ● WELL LOCATION

A ▲ OTHER SENSITIVE RECEPTOR LOCATION

North

0 400 800 FT

SCALE

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, SAN LEANDRO QUADRANGLE (1973)

FIGURE 3

SENSITIVE RECEPTOR MAP

76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

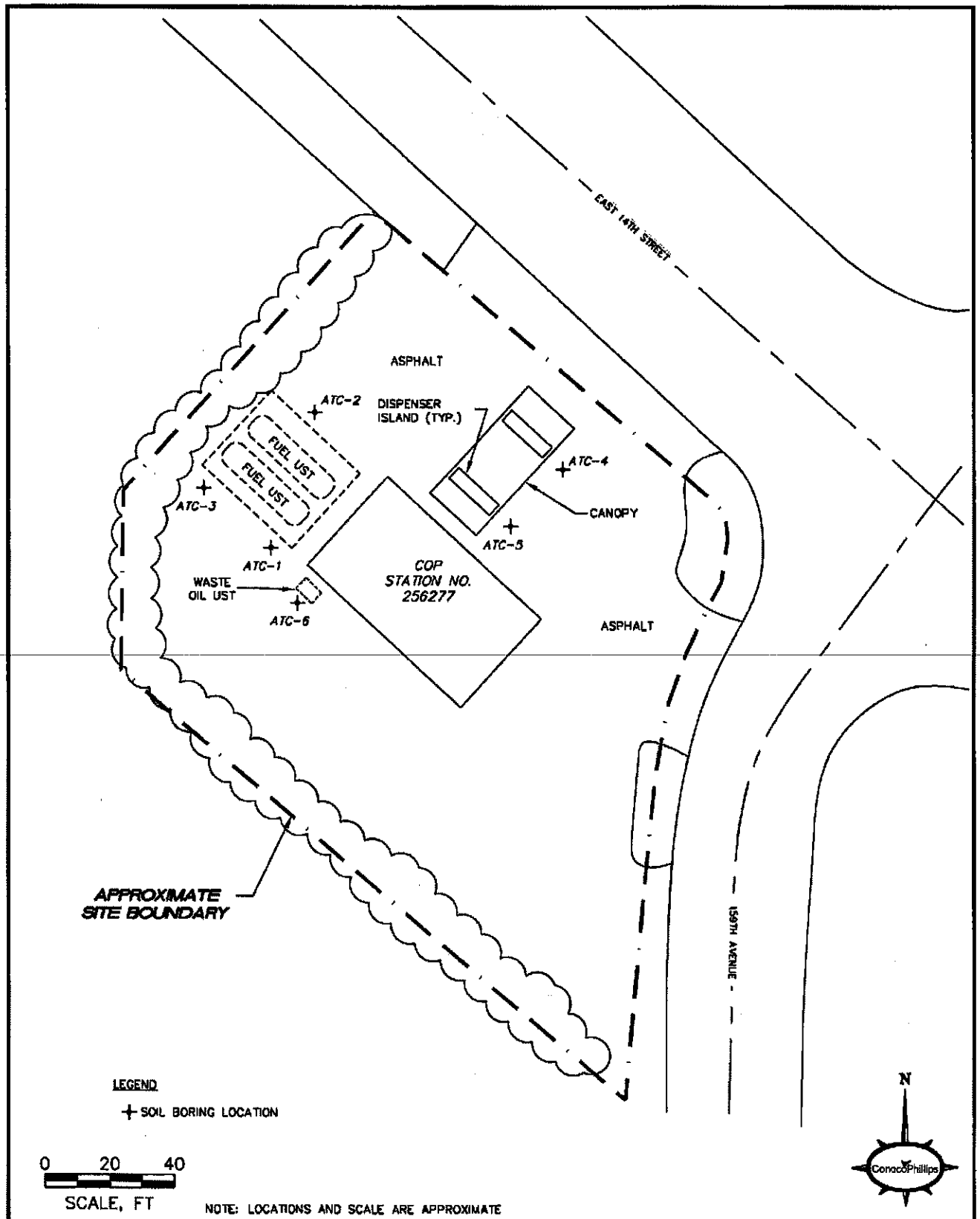
PROJECT NO. I4256277	DRAWN BY JH 03/23/12
FILE NO. 6277-SiteLocator	PREPARED BY JF
REVISION NO.	REVIEWED BY

antea group

TABLE 1
Well Search Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, California

Map ID #	Owner	Installed	Approximate Distance from Site (feet)	Direction From Site	Reported Use	Depth (feet)	Screened Interval (feet bgs)	Casing Diameter (inches)	Data Source
1	Namura Nursery	1939	2,320	ESE	irrigation	50	--	8	ACPWA
2	Allen	1957	1,490	NNW	irrigation	40	--	4	ACPWA
3	Paul Fearon	8/6/1977	2,270	NNW	irrigation	30	10-30	6	ACPWA, DWR
4	Harwood	--	1,250	N	irrigation	--	--	--	ACPWA
5	Mary Welsh	1924	1,140	NE	irrigation	32	--	8	ACPWA
6	Manuel Rose	1910	1,000	SE	irrigation	52	--	12	ACPWA
7	Lee Dugan	8/1948	<100	NNW	irrigation	148	--	8	ACPWA
8	Walsh	1957	1,130	SE	irrigation	30	--	4	ACPWA
9	F. Chimente	1958	1,900	SE	irrigation	20	--	6	ACPWA
10	Ernest Carbal	1956	1,220	S	irrigation	13	--	4	ACPWA
11	T.D. Sexton	1952	1,162	SW	irrigation	15	--	4	ACPWA
12	J. Fidelgo	1940	1,980	SSE	irrigation	70	--	4	ACPWA
13	Okada Brother Nursery	10/1990	1,900	S	irrigation	420	274-284, 294-304	4	ACPWA, DWR
14	Manuel Cabral	--	2,380	SSE	irrigation	42	--	8	ACPWA
15	PG&E	12/91	860	NE	--	122	--	--	ACPWA, DWR
16	Phillip Gonsolves	7/9/1977	2,560	N	irrigation	70	20-70	6	DWR
	A.J. Pitcka	--	--	--	irrigation	47	--	8	ACPWA
	Medina	1949	--	--	domestic	51	--	8	ACPWA
	Bertero	--	--	--	irrigation	425	--	12	ACPWA
	A.L. Christensen	3/4/1940	--	--	unkown	370	348-358; 326-330; 318-323; 275-279	12	DWR
	Wm Dennis	11/14/1977	--	--	domestic, irrigation	62	24-56	12	DWR

Notes:
DWR - Department of Water Resources
ACPWA - Alameda County Public Works Agency
-- - no data



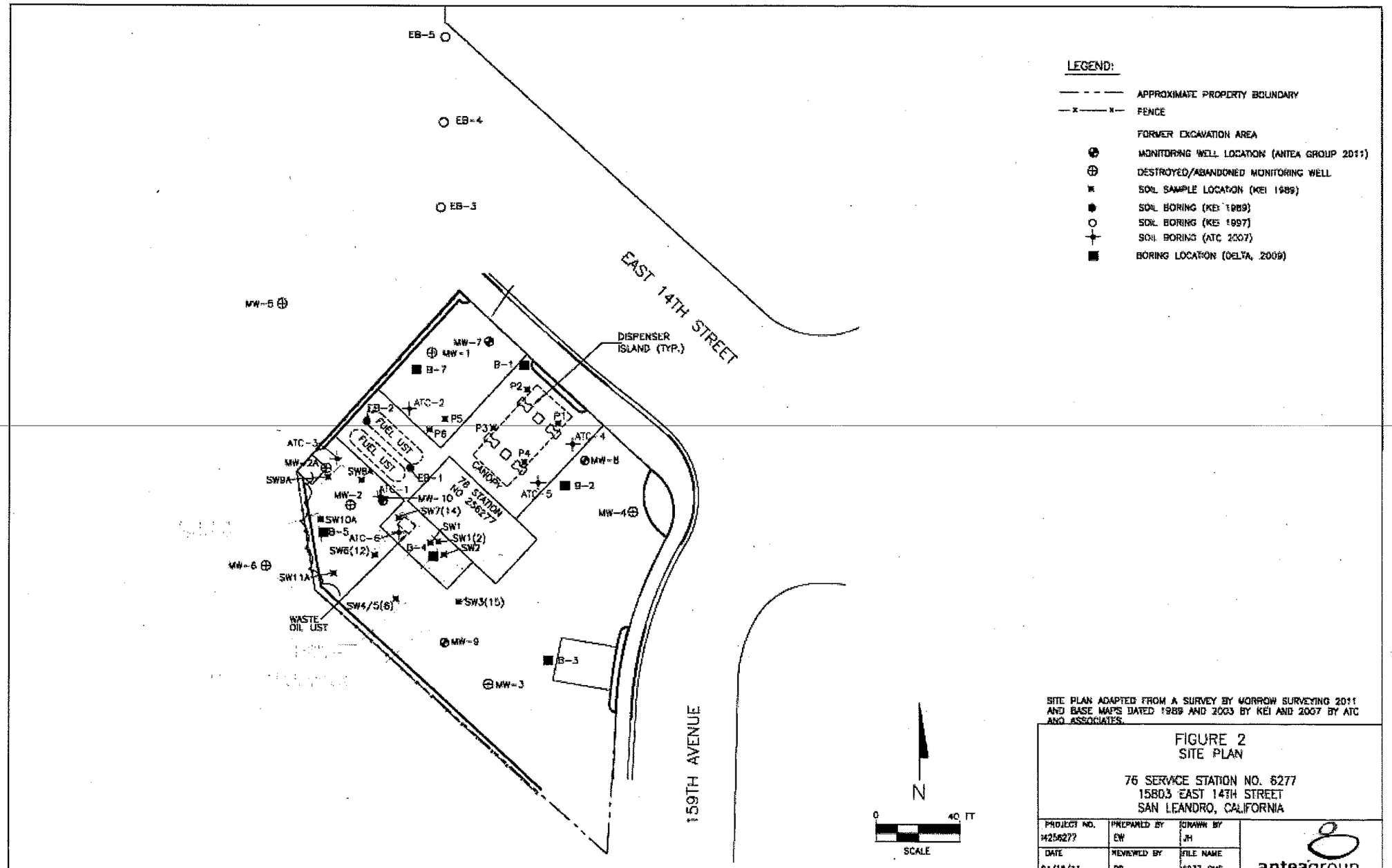
NOTE: LOCATIONS AND SCALE ARE APPROXIMATE

SITE PLAN

CONOCOPHILLIPS SITE NO. 256277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NUMBER: 34.75118.3151		DATE: 10/10/07	FIGURE
APPROVED BY: WS		DRAWN BY: WS	1

VATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste. #107
Tempe, Arizona 85284-2912
Ph: (480) 894-2056 *** Fax: (480) 894-2497



LEGEND:

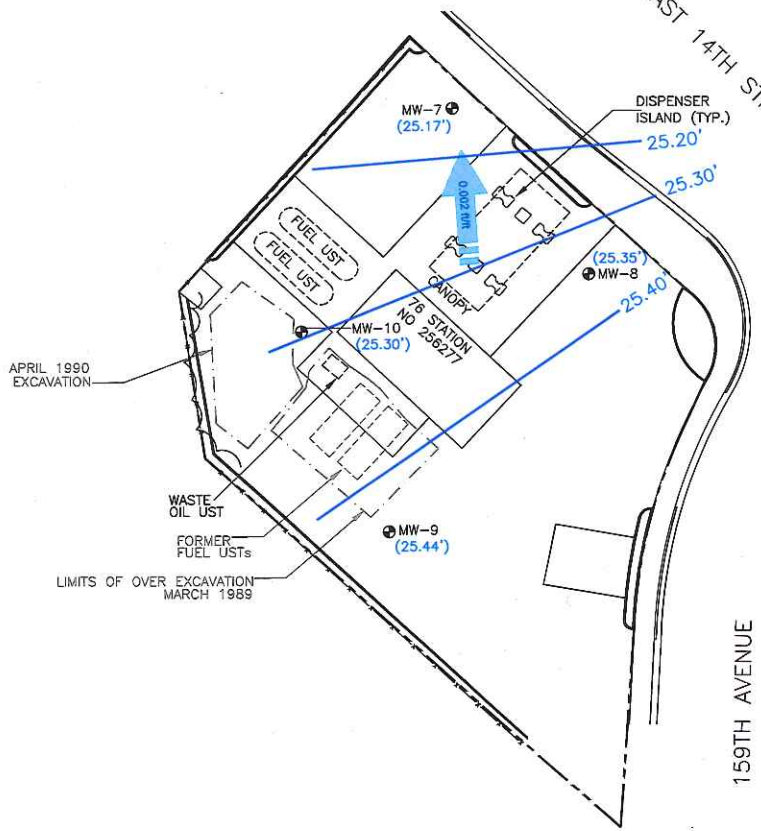
- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- FORMER EXCAVATION AREA
- MONITORING WELL LOCATION (ANTEA GROUP 2011)
- DESTROYED/ABANDONED MONITORING WELL
- SOIL SAMPLE LOCATION (KEI 1989)
- SOIL BORING (KEI 1989)
- SOIL BORING (KEI 1997)
- SOIL BORING (ATC 2007)
- BORING LOCATION (DELTA, 2009)

SITE PLAN ADAPTED FROM A SURVEY BY MORROW SURVEYING 2011 AND BASE MAPS DATED 1989 AND 2003 BY KEI AND 2007 BY ATC AND ASSOCIATES.

FIGURE 2
SITE PLAN

76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY	
#256277	EW	JH	
DATE	REVIEWED BY	FILE NAME	
04/18/11	DD	6277-SM5	antea group



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- FORMER EXCAVATION AREA
- MONITORING WELL LOCATION (ANTEA GROUP 2011)
- (25.17') GROUNDWATER ELEVATON IN FEET ABOVE MEAN SEA LEVEL (ft/msl)
- 25.20' GROUNDWATER ELEVATION CONTOUR LINE (ft/msl) –DASHED WHERE INFERRED (CONTOUR INTERVAL: 0.10 ft)
- 0.002 ft/ft GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (ft/ft)

N

0 40 FT

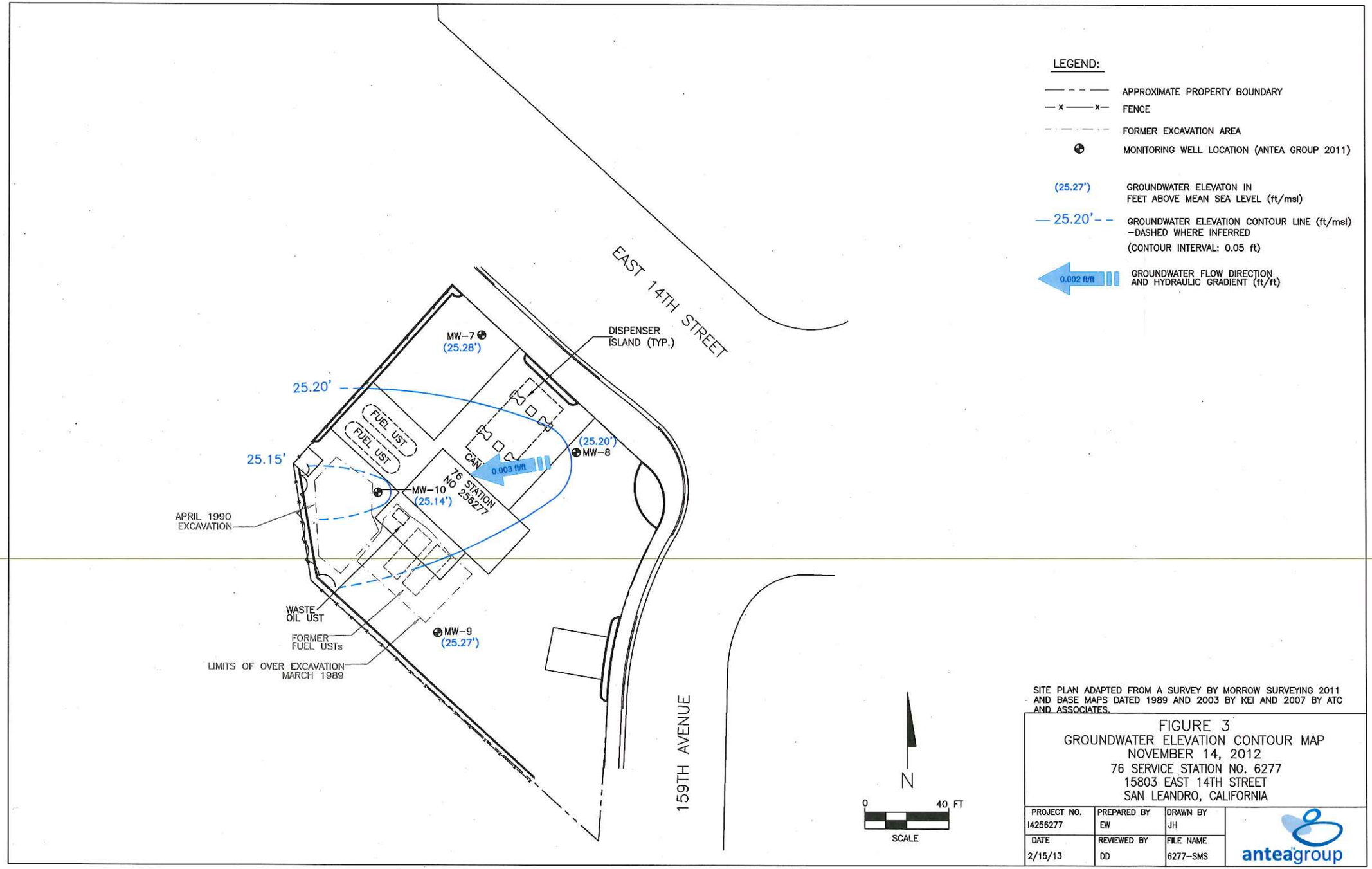
SCALE

SITE PLAN ADAPTED FROM A SURVEY BY MORROW SURVEYING 2011 AND BASE MAPS DATED 1989 AND 2003 BY KEI AND 2007 BY ATC AND ASSOCIATES.

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
MAY 10, 2012
76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
14256277	DD	JH
DATE	REVIEWED BY	FILE NAME
3/13/12	DD	6277-SMS

antea group



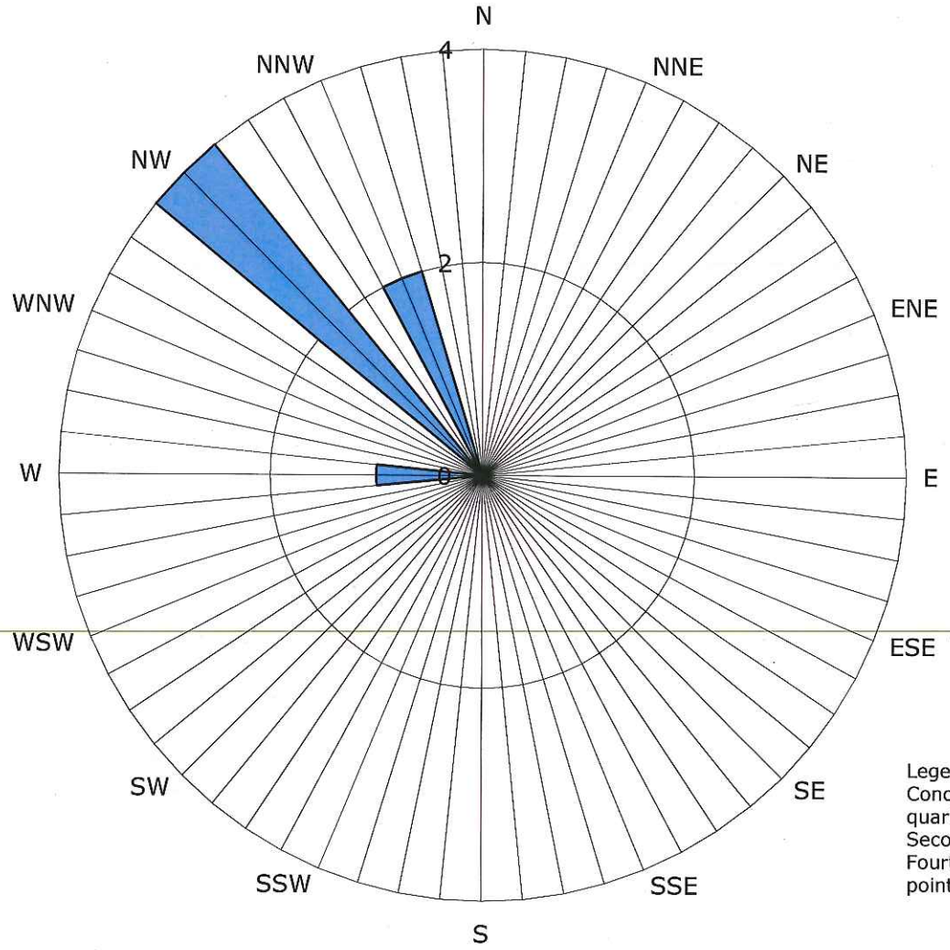
SITE PLAN ADAPTED FROM A SURVEY BY MORROW SURVEYING 2011 AND BASE MAPS DATED 1989 AND 2003 BY KEI AND 2007 BY ATC AND ASSOCIATES.

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
NOVEMBER 14, 2012
76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
14256277	EW	JH
DATE	REVIEWED BY	FILE NAME
2/15/13	DD	6277-SMS

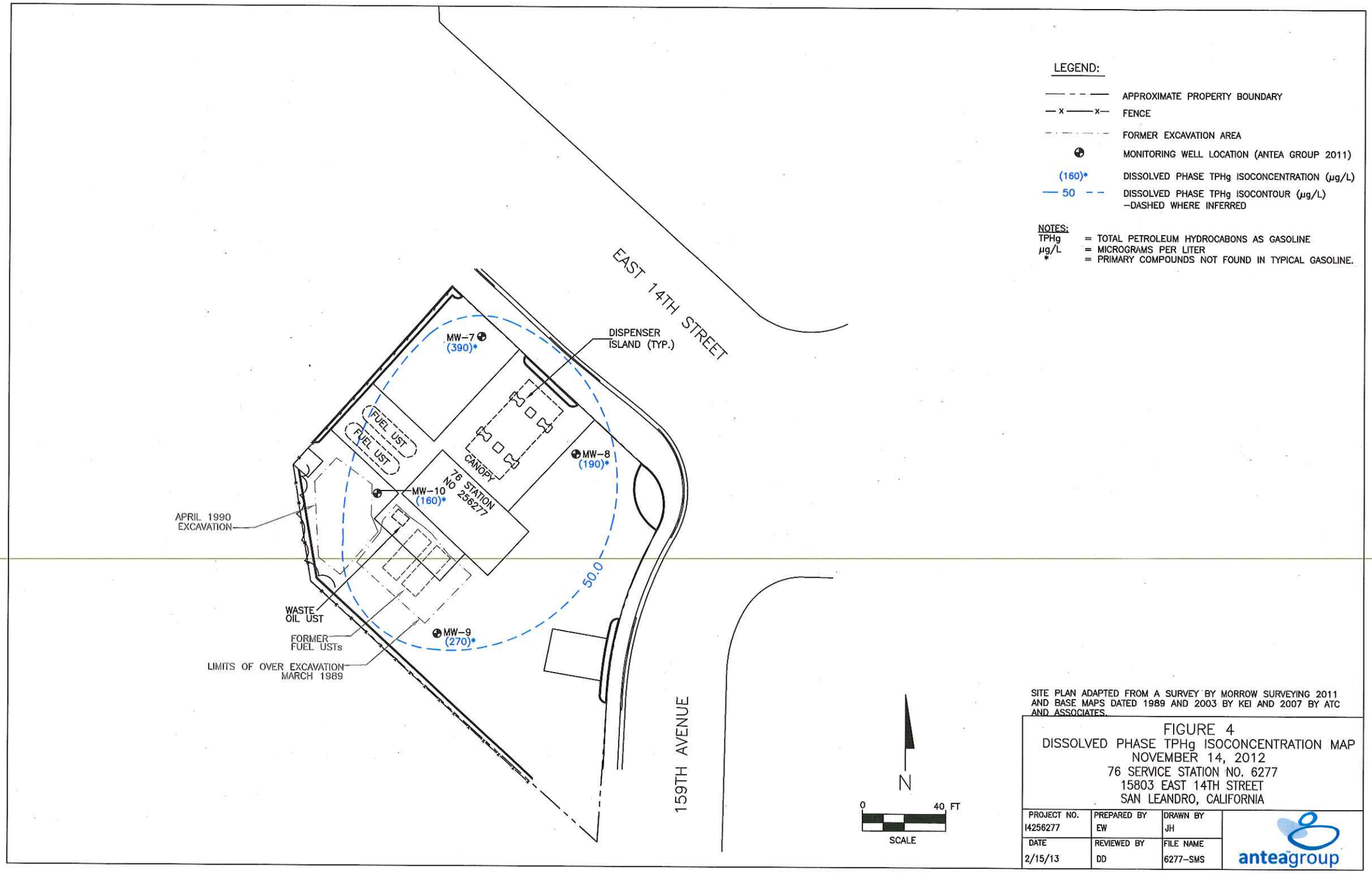
antea group

Figure 6
Historical Groundwater Flow Directions
76 Service Station No. 6277
15803 East 14th Street
San leandro, California



Legend
Concentric circles represent quarterly montoring events Second Quarter 2011 through Fourth Quarter 2012 7 data points shown

Groundwater Flow Direction

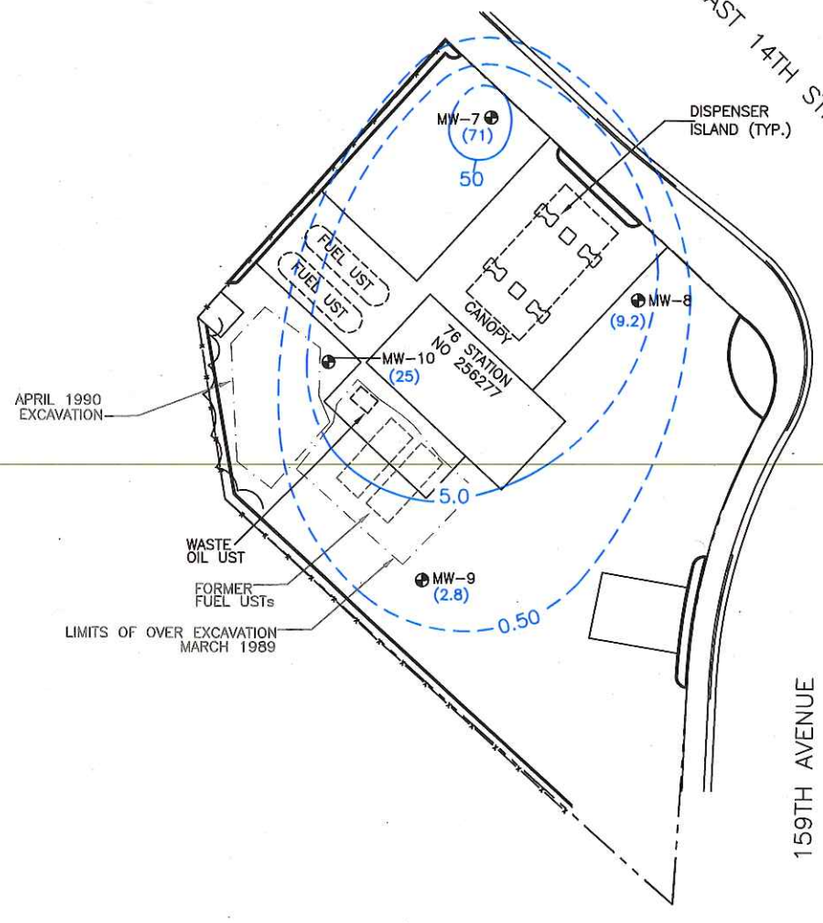


SITE PLAN ADAPTED FROM A SURVEY BY MORROW SURVEYING 2011 AND BASE MAPS DATED 1989 AND 2003 BY KEI AND 2007 BY ATC AND ASSOCIATES.

FIGURE 4
DISSOLVED PHASE TPHg ISOCONCENTRATION MAP
NOVEMBER 14, 2012
76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
14256277	EW	JH
DATE	REVIEWED BY	FILE NAME
2/15/13	DD	6277-SMS

anteagroup



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- FORMER EXCAVATION AREA
- MONITORING WELL LOCATION (ANTEA GROUP 2011)
- (25) DISSOLVED PHASE MTBE ISOCONCENTRATION (µg/L)
- 5.0 DISSOLVED PHASE MTBE ISOCONTOUR (µg/L) –DASHED WHERE INFERRED

NOTES:
MTBE = METHYL TERTIARY BUTYL ETHER
µg/L = MICROGRAMS PER LITER
<0.50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS

N

0 40 FT
SCALE

SITE PLAN ADAPTED FROM A SURVEY BY MORROW SURVEYING 2011 AND BASE MAPS DATED 1989 AND 2003 BY KEI AND 2007 BY ATC AND ASSOCIATES.

FIGURE 5
DISSOLVED PHASE MTBE ISOCONCENTRATION MAP
NOVEMBER 14, 2012
76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
14256277	EW	JH
DATE	REVIEWED BY	FILE NAME
2/15/13	DD	6277-SMS

antea group

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
ConocoPhillips Site No. 256277
15803 East 14th Street, San Leandro, California

mg/Kg

ID depth B T E X Other HVOC Oxygenates SVOC TPH g d o Cd Cr Pb Ni Zn

Sample ID	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Other HVOC* (mg/kg)	Oxygenates* (mg/kg)	SVOC* (mg/kg)	Total TPH (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
			EPA 8260B						EPA 8270C	EPA 8015B Modified				EPA 6010B				
ATC-1d12.0	12	09/25/07	<0.005	<0.005	0.016	0.029	All remaining analytes ND.	MTBE (0.024) t-Butyl alcohol (0.19)	--	---	100	57	---	---	---	8.15	---	---
ATC-1d20.0	20	09/25/07	<0.005	<0.005	<0.005	<0.005	All analytes ND	All analytes ND.	--	---	<1.0	<12	---	---	---	4.57	---	---
ATC-2d12.0	12	09/25/07	<0.62	<0.62	8.8	48	All remaining analytes ND.	MTBE (0.83)	--	---	560	51	---	---	---	7.62	---	---
ATC-2d20.0	20	09/25/07	<0.005	<0.005	<0.005	<0.005	All analytes ND.	MTBE (0.011)	--	---	<1.0	<12	---	---	---	3.57	---	---
ATC-3d12.0	12	09/25/07	<0.63	<0.63	0.82	2.93	All remaining analytes ND.	All analytes ND.	--	---	27	310	---	---	---	7.71	---	---
ATC-3d18.0	18	09/25/07	<0.005	<0.005	<0.005	<0.005	All analytes ND.	All analytes ND.	--	---	<1.0	18	---	---	---	8.21	---	---
ATC-4d5.0	5	09/26/07	<0.63	<0.63	11	43	All remaining analytes ND.	All analytes ND.	--	---	1,000	170	---	---	---	6.48	---	---
ATC-4d20.0	20	09/26/07	<0.005	<0.005	<0.005	<0.005	tetrachloroethene (0.013)	MTBE (0.015)	--	---	<1.0	<12	---	---	---	2.85	---	---
ATC-5d5.0	5	09/26/07	<0.62	1.2	6.2	25.2	All remaining analytes ND.	All analytes ND.	--	---	220	<12	---	---	---	6.27	---	---
ATC-5d20.0	20	09/26/07	<0.005	<0.005	<0.005	0.007	tetrachloroethene (0.033)	All analytes ND	--	---	<1.0	<14	---	---	---	2.59	---	---
ATC-6d12.0	12	09/25/07	<0.005	<0.005	<0.005	<0.005	All analytes ND.	All analytes ND.	phenol (0.68) acenaphthene (0.30) pyrene (1.8) naphthalene (0.53) fluorene (0.34) phenanthrene (2.2) anthracene (0.69) fluoranthene (1.7) benzo(a)anthracene (0.63) chrysene (0.54) benzo(b)fluoranthene (0.44) benzo(k)fluoranthene (0.23) benzo(a)pyrene (0.34) 2-methylnaphthalene (0.63) dibenzofuran (0.20) carbazole (0.56)	<12	59	<12	<12	<0.490	58.2	9.37	57.8	52.9
ATC-6d15.0	15	09/25/07	<0.005	<0.005	<0.005	<0.005	All analytes ND.	All analytes ND	phenol (0.50)	<12	<1.0	<12	<12	<0.490	44.8	5.27	43.5	42.2

Notes:
bgs - Below ground surface.
mg/kg - Milligrams per kilogram (equivalent to parts per million).
HVOC - Halogenated volatile organic compounds.
* - Only compounds detected at a concentration exceeding their respective laboratory method Limit of Quantitation (LOQ) are noted.
SVOC - Semi-volatile organic compounds.
TPH - Total petroleum hydrocarbons.
TPH-GRO - Gasoline range organic hydrocarbons.
TPH-DRO - Diesel range organic hydrocarbons
TPH-ORO - Oil range organic hydrocarbons.
EPA - Environmental Protection Agency
<0.005 - Analyte not detected above specific laboratory method LOQ.
ND - Analyte not detected above specific laboratory method LOQ.
MTBE - Methyl tert butyl ether
--- - Not analyzed.

Table 1
Soil Analytical Results (TPHg, TPHd, TPHmo, BTEX, Fuel Oxygenates)
76 Service Station No. 6277
15803 East 14th Street, San Leandro, California

Sample ID	Date	TPHg (mg/kg)	TPHd w/gel (mg/kg)	TPHd (mg/kg)	TPHmo w/gel (mg/kg)	TPHmo (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	DIPE (mg/kg)
B-1 @ 12 feet	12/29/2009	603	16.2	16.3	52.3	55.2	0.71	12.3	19.0	103	0.013	0.021	<0.0029	<0.0029	<0.0029
B-1 @ 15 feet	12/29/2009	0.94	<2.0	<2.0	<9.9	<9.9	<0.0028	0.023	0.027	0.16	0.017	<0.014	<0.0028	<0.0028	<0.0028
B-1 @ 20 feet	12/29/2009	<0.25	<2.0	2.2	<10	<10	<0.0030	<0.0030	<0.0030	<0.0059	0.021	<0.015	<0.0030	<0.0030	<0.0030
B-1 @ 24 feet	12/29/2009	<0.23	<2.0	<2.0	<10	<10	<0.0027	<0.0027	<0.0027	<0.0054	0.0087	<0.014	<0.0027	<0.0027	<0.0027
B-1 @ 30 feet	12/29/2009	<0.25	<2.0	<2.0	<9.8	<9.8	<0.0030	<0.0030	<0.0030	<0.0060	<0.0030	<0.015	<0.0030	<0.0030	<0.0030
B-2 @ 5 feet	12/29/2009	2.8	8.2	9.2	<10	<10	0.1	<0.0027	0.488	0.22	0.058	0.034	<0.0027	<0.0027	<0.0027
B-2 @ 10 feet	12/29/2009	1.5	3.5	4.0	<9.9	<9.9	0.073	<0.0030	0.014	<0.006	0.13	0.040	<0.0030	<0.0030	<0.0030
B-2 @ 20 feet	12/29/2009	<0.24	<2.0	<2.0	<10	<10	<0.0028	<0.0028	<0.0028	<0.0057	<0.0028	<0.014	<0.0028	<0.0028	<0.0028
B-2 @ 24 feet	12/29/2009	42.2	16.4	27.2	58.8	79.8	0.027	<0.0028	0.94	2.3	0.031	0.017	<0.028	<0.0028	<0.0028
B-2 @ 28 feet	12/29/2009	<0.23	<2.0	<2.0	<9.8	<9.8	<0.0028	<0.0028	<0.0028	<0.0056	<0.0028	<0.014	<0.0028	<0.0028	<0.0028
B-3 @ 5 feet	12/29/2009	<0.24	<2.0	2.2	<9.9	<9.9	<0.0029	<0.0029	<0.0029	<0.0057	0.043	0.042	<0.0029	<0.0029	<0.0029
B-3 @ 10 feet	12/29/2009	<0.24	<2.0	2.0	<10	<10	<0.0028	<0.0028	<0.0028	<0.0057	0.044	0.023	<0.0028	<0.0028	<0.0028
B-3 @ 15 feet	12/29/2009	<0.22	<2.0	<2.0	<9.9	<9.9	<0.0026	<0.0026	<0.0026	<0.0052	<0.0026	<0.013	<0.0026	<0.0026	<0.0026
B-3 @ 20.5 feet	12/29/2009	<0.25	<2.0	2.2	16.6	18.7	<0.0030	<0.0030	<0.0030	<0.0060	0.0081	<0.015	<0.0030	<0.0030	<0.0030
B-3 @ 24.5 feet	12/29/2009	<0.25	6.6	11.1	132	174	<0.0030	<0.0030	<0.0030	<0.0059	0.0071	<0.015	<0.0030	<0.0030	<0.0030
B-3 @ 28 feet	12/29/2009	<0.23	<2.0	<2.0	<9.8	<9.8	<0.0027	<0.0027	<0.0027	<0.0055	<0.0027	<0.014	<0.0027	<0.0027	<0.0027
B-4 @ 5 feet	12/30/2009	<0.25	18.1	22.5	332	379	<0.0030	<0.0030	<0.0030	<0.0060	<0.0030	<0.015	<0.0030	<0.0030	<0.0030
B-4 @ 10 feet	12/30/2009	<0.25	2.2	4.0	26.4	51.2	<0.0030	<0.0030	<0.0030	<0.0059	<0.0030	<0.015	<0.0030	<0.0030	<0.0030
B-4 @ 20 feet	12/30/2009	<0.25	<2.0	<2.0	<9.9	<9.9	<0.0029	<0.0029	<0.0029	<0.0059	<0.0029	<0.015	<0.0029	<0.0029	<0.0029
B-4 @ 28 feet	12/30/2009	<0.24	<2.0	<2.0	<9.9	<9.9	<0.0029	<0.0029	<0.0029	<0.0058	<0.0029	<0.015	<0.0029	<0.0029	<0.0029
B-5 @ 5 feet	12/30/2009	<0.25	2.8	3.6	28.1	40.1	<0.0030	<0.0030	<0.0030	<0.0059	<0.0030	<0.015	<0.0030	<0.0030	<0.0030
B-5 @ 12 feet	12/30/2009	<0.24	9.9	11.9	274	247	<0.0029	0.0037	<0.0029	<0.0058	<0.0029	<0.014	<0.0029	<0.0029	<0.0029
B-5 @ 15 feet	12/30/2009	<0.25	<2.0	<2.0	<9.9	<9.9	<0.0029	<0.0029	<0.0029	<0.0059	<0.0029	<0.015	<0.0029	<0.0029	<0.0029
B-5 @ 20 feet	12/30/2009	<0.23	<2.0	<2.0	<10	<10	<0.0028	<0.0028	<0.0028	<0.0056	<0.0028	<0.014	<0.0028	<0.0028	<0.0028
B-5 @ 25 feet	12/30/2009	<0.25	<2.0	<2.0	<10	<10	<0.0030	<0.0030	<0.0030	<0.0059	<0.0030	<0.015	<0.0030	<0.0030	<0.0030
B-5 @ 28 feet	12/30/2009	<0.24	<2.0	2.5	21.4	23.5	<0.0029	<0.0029	<0.0029	<0.0058	<0.0029	<0.015	<0.0029	<0.0029	<0.0029
B-7 @ 5 feet	12/30/2009	<0.25	61	63.7	551	582	<0.0029	<0.0029	<0.0029	<0.0059	<0.0029	<0.015	<0.0029	<0.0029	<0.0029
B-7 @ 10 feet	12/30/2009	1.3	4.1	5.7	<9.8	<9.8	0.018	<0.0030	0.0035	<0.0060	0.21	0.093	<0.0030	<0.0030	<0.0030
B-7 @ 20 feet	12/30/2009	<0.25	<2.0	<2.0	<9.9	<9.9	<0.0030	<0.0030	<0.0030	<0.0059	0.014	<0.015	<0.0030	<0.0030	<0.0030
B-7 @ 24 feet	12/30/2009	<0.22	<2.0	<2.0	<10	<10	<0.0027	<0.0027	<0.0027	<0.0053	<0.0027	<0.013	<0.0027	<0.0027	<0.0027

Notes
TPHg: Total petroleum hydrocarbons as gasoline
BTEX: Benzene, toluene, ethylbenzene, and total xylenes
TPHd: Total petroleum hydrocarbons as diesel (tested with and without silica gel clean-up), C10-24
TPHmo: Total petroleum hydrocarbons as motor oil (tested with and without silica gel clean-up), C24-40
MTBE: Methyl tertiary butyl ether
w/gel: Silica gel treated

Boring B6 was proposed for the offsite region, access was still pending at the time of this investigation

mg/kg: milligrams per kilogram
<: Below the laboratory indicated reporting limit
TBA: Tertiary butyl alcohol
ETBE: Ethyl tertiary butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Di-isopropyl ether

Table 2
Soil Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

Sample ID	Date	Acetone (mg/kg)	Bromo-benzene (mg/kg)	Bromo-chloro-methane (mg/kg)	Bromo-dichloro-methane (mg/kg)	Bromoform (mg/kg)	Bromo-methane (mg/kg)	MEK (mg/kg)	n-butyl benzene (mg/kg)	sec-butyl benzene (mg/kg)	tert-butyl benzene (mg/kg)	carbon disulfide (mg/kg)	carbon tetra chloride (mg/kg)
B-1 @ 12 feet	12/29/2009	0.035	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0098	4.7	0.13	<0.0029	<0.0029	<0.0029
B-1 @ 15 feet	12/29/2009	<0.0095	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0095	<0.0028	0.003	<0.0028	<0.0028	<0.0028
B-1 @ 20 feet	12/29/2009	<0.0098	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0098	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-1 @ 24 feet	12/29/2009	<0.0091	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0091	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-1 @ 30 feet	12/29/2009	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 5 feet	12/29/2009	0.10	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.022	<0.0027	0.021	<0.0027	<0.0027	<0.0027
B-2 @ 10 feet	12/29/2009	0.029	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0099	0.024	0.018	<0.0030	<0.0030	<0.0030
B-2 @ 20 feet	12/29/2009	<0.0095	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0095	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 24 feet	12/29/2009	0.036	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	0.012	0.061	0.019	<0.0028	<0.0028	<0.0028
B-2 @ 28 feet	12/29/2009	<0.0093	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0093	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 5 feet	12/29/2009	0.31	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.053	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-3 @ 10 feet	12/29/2009	0.028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0095	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 15 feet	12/29/2009	<0.0087	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0087	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026
B-3 @ 20.5 feet	12/29/2009	0.024	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 24.5 feet	12/29/2009	0.041	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 28 feet	12/29/2009	<0.0092	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0092	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-4 @ 5 feet	12/30/2009	<0.10	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.10	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 10 feet	12/30/2009	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 20 feet	12/30/2009	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-4 @ 28 feet	12/30/2009	<0.0097	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0097	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 5 feet	12/30/2009	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 12 feet	12/30/2009	<0.0096	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0096	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 15 feet	12/30/2009	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 20 feet	12/30/2009	<0.0093	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0093	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-5 @ 25 feet	12/30/2009	<0.0098	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0098	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 28 feet	12/30/2009	0.016	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0097	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 5 feet	12/30/2009	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 10 feet	12/30/2009	0.0048	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.010	0.022	0.012	<0.0030	<0.0030	<0.0030
B-7 @ 20 feet	12/30/2009	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 24 feet	12/30/2009	<0.0088	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0088	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027

Table 2
Soil Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

Cont.

Sample ID	Date	Chloro-benzene (mg/kg)	Chloro-ethane (mg/kg)	Chloro-form (mg/kg)	Chloro-methane (mg/kg)	2 Chloro-toluene (mg/kg)	4 Chloro-toluene (mg/kg)	1,2- dibromo-3 chloro-propane (mg/kg)	dibromo-chloro-methane (mg/kg)	dibromo-methane (mg/kg)	1,2 dichloro-benzene (mg/kg)	1,3 dichloro-benzene (mg/kg)	1,4 dichloro-benzene (mg/kg)
B-1 @ 12 feet	12/29/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-1 @ 15 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-1 @ 20 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-1 @ 24 feet	12/29/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-1 @ 30 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 5 feet	12/29/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-2 @ 10 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 20 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 24 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 28 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 5 feet	12/29/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-3 @ 10 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 15 feet	12/29/2009	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026
B-3 @ 20.5 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 24.5 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 28 feet	12/29/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-4 @ 5 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 10 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 20 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-4 @ 28 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 5 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 12 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 15 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 20 feet	12/30/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-5 @ 25 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 28 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 5 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 10 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 20 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 24 feet	12/30/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027

Table 2
Soil Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

cont.

Sample ID	Date	Dichloro-difluoro methane (mg/kg)	1,1- dichloro-ethane (mg/kg)	1,2- dichloro-ethene total (mg/kg)	1,1- dichloro-ethene (mg/kg)	cis 1,2-dichloro-ethene (mg/kg)	trans 1,2-dichloro-ethene (mg/kg)	1,2- dichloro-propane (mg/kg)	1,3- dichloro-propane (mg/kg)	2,2- dichloro-propane (mg/kg)	1,1- dichloro-propene (mg/kg)	cis- 1,3 dichloro-propene (mg/kg)	trans- 1,3 dichloro-propene (mg/kg)
B-1 @ 12 feet	12/29/2009	<0.0029	<0.0029	<0.0059	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-1 @ 15 feet	12/29/2009	<0.0028	<0.0028	<0.0057	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-1 @ 20 feet	12/29/2009	<0.0030	<0.0030	<0.0059	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-1 @ 24 feet	12/29/2009	<0.0027	<0.0027	<0.0054	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-1 @ 30 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 5 feet	12/29/2009	<0.0027	<0.0027	<0.0054	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-2 @ 10 feet	12/29/2009	<0.0030	<0.0030	<0.0060	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 20 feet	12/29/2009	<0.0028	<0.0028	<0.0057	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 24 feet	12/29/2009	<0.0028	<0.0028	<0.0057	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 24 feet	12/29/2009	<0.0028	<0.0028	<0.0057	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 28 feet	12/29/2009	<0.0028	<0.0028	<0.0056	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 5 feet	12/29/2009	<0.0029	<0.0029	<0.0057	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-3 @ 10 feet	12/29/2009	<0.0028	<0.0028	<0.0057	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 15 feet	12/29/2009	<0.0026	<0.0026	<0.0052	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026
B-3 @ 20.5 feet	12/29/2009	<0.0030	<0.0030	<0.0056	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 24.5 feet	12/29/2009	<0.0030	<0.0030	<0.0059	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 28 feet	12/29/2009	<0.0027	<0.0027	<0.0055	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-4 @ 5 feet	12/30/2009	<0.0030	<0.0030	<0.0060	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 10 feet	12/30/2009	<0.0030	<0.0030	<0.0059	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 20 feet	12/30/2009	<0.0029	<0.0029	<0.0059	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-4 @ 28 feet	12/30/2009	<0.0029	<0.0029	<0.0058	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 5 feet	12/30/2009	<0.0030	<0.0030	<0.0059	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 12 feet	12/30/2009	<0.0029	<0.0029	<0.0058	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 15 feet	12/30/2009	<0.0029	<0.0029	<0.0059	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 20 feet	12/30/2009	<0.0028	<0.0028	<0.0056	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-5 @ 25 feet	12/30/2009	<0.0030	<0.0030	<0.0059	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 28 feet	12/30/2009	<0.0029	<0.0029	<0.0058	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 5 feet	12/30/2009	<0.0029	<0.0029	<0.0059	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 10 feet	12/30/2009	<0.0030	<0.0030	<0.0060	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 20 feet	12/30/2009	<0.0030	<0.0030	<0.0059	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 24 feet	12/30/2009	<0.0027	<0.0027	<0.0053	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027

Table 2
Soil Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

cont.

Sample ID	Date	Hexachloro-1,3 butadiene (mg/kg)	2-Hexanone (mg/kg)	isopropyl benzene (mg/kg)	p-isopropyl toluene (mg/kg)	methylene chloride (mg/kg)	4-methyl 2 pentanone (mg/kg)	Naphthalene (mg/kg)	n-propyl benzene (mg/kg)	styrene (mg/kg)	1,1,1,2-tetrachloro-ethane (mg/kg)	1,1,2,2-tetrachloro-ethane (mg/kg)	tetrachloro-ethene (mg/kg)
B-1 @ 12 feet	12/29/2009	<0.0029	<0.0098	1.8	0.060	<0.0098	<0.0098	12.9	8.2	<0.0029	<0.0029	<0.0029	0.003
B-1 @ 15 feet	12/29/2009	<0.0028	<0.0095	0.0037	<0.0028	<0.0095	<0.0095	0.026	0.013	<0.0028	<0.0028	<0.0028	0.0037
B-1 @ 20 feet	12/29/2009	<0.0030	<0.0098	<0.0030	<0.0030	<0.0098	<0.0098	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-1 @ 24 feet	12/29/2009	<0.0027	<0.0091	<0.0027	<0.0027	<0.0091	<0.0091	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-1 @ 30 feet	12/29/2009	<0.0030	<0.010	<0.0030	<0.0030	<0.010	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 5 feet	12/29/2009	<0.0027	<0.0090	0.052	<0.0027	<0.0090	<0.0090	0.036	1.04	<0.0027	<0.0027	<0.0027	<0.0027
B-2 @ 10 feet	12/29/2009	<0.0030	<0.0099	0.031	<0.0030	<0.0099	<0.0099	3.14	0.13	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 20 feet	12/29/2009	<0.0028	<0.0095	<0.0028	<0.0028	<0.0095	<0.0095	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	0.062
B-2 @ 24 feet	12/29/2009	<0.0028	<0.0096	0.060	0.0058	<0.0095	<0.0095	1.8	0.18	<0.0028	<0.0028	<0.0028	0.0088
B-2 @ 28 feet	12/29/2009	<0.0028	<0.0093	<0.0028	<0.0028	<0.0093	<0.0093	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	0.0036
B-3 @ 5 feet	12/29/2009	<0.0028	<0.0096	<0.0029	<0.0029	<0.0096	<0.0096	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-3 @ 10 feet	12/29/2009	<0.0028	<0.0095	<0.0028	<0.0028	<0.0095	<0.0095	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 15 feet	12/29/2009	<0.0026	<0.0087	<0.0026	<0.0026	<0.0087	<0.0087	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026
B-3 @ 20.5 feet	12/29/2009	<0.0030	<0.010	<0.0030	<0.0030	<0.010	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.012
B-3 @ 24.5 feet	12/29/2009	<0.0030	<0.0099	<0.0030	<0.0030	<0.0099	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.021
B-3 @ 28 feet	12/29/2009	<0.0027	<0.0092	<0.0027	<0.0027	<0.0092	<0.0092	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.0052
B-4 @ 5 feet	12/30/2009	<0.0030	<0.010	<0.0030	<0.0030	<0.010	<0.010	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 10 feet	12/30/2009	<0.0030	<0.0099	<0.0030	<0.0030	<0.0099	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 20 feet	12/30/2009	<0.0029	<0.0098	<0.0029	<0.0029	<0.0098	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.0057
B-4 @ 28 feet	12/30/2009	<0.0029	<0.0097	<0.0029	<0.0029	<0.0097	<0.0097	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 5 feet	12/30/2009	<0.0030	<0.0099	<0.0030	<0.0030	<0.0099	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0038
B-5 @ 12 feet	12/30/2009	<0.0029	<0.0096	<0.0029	<0.0029	<0.0096	<0.0096	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 15 feet	12/30/2009	<0.0029	<0.0098	<0.0029	<0.0029	<0.0098	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.0031
B-5 @ 20 feet	12/30/2009	<0.0028	<0.0093	<0.0028	<0.0028	<0.0093	<0.0093	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	0.012
B-5 @ 25 feet	12/30/2009	<0.0030	<0.0098	<0.0030	<0.0030	<0.0098	<0.0098	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0051
B-5 @ 28 feet	12/30/2009	<0.0029	<0.0097	<0.0029	<0.0029	<0.0097	<0.0097	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.0042
B-7 @ 5 feet	12/30/2009	<0.0029	<0.0098	<0.0029	<0.0029	<0.0098	<0.0098	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 10 feet	12/30/2009	<0.0030	<0.010	0.017	<0.0030	<0.010	<0.010	1.6	0.095	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 20 feet	12/30/2009	<0.0030	<0.0099	<0.0030	<0.0030	<0.0099	<0.0099	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.021
B-7 @ 24 feet	12/30/2009	<0.0027	<0.0088	<0.0027	<0.0027	<0.0088	<0.0088	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027

Table 2
Soil Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

cont.

Sample ID	Date	1,2,3-Trichloro benzene (mg/kg)	1,2,4-Trichloro benzene (mg/kg)	1,1,1-Trichloro ethane (mg/kg)	1,1,2-Trichloro ethane (mg/kg)	Trichloro ethene (mg/kg)	Trichloro fluoromethane (mg/kg)	1,2,3-Trichloro propane (mg/kg)	1,2,4-Trimethyl benzene (mg/kg)	1,3,5-Trimethyl benzene (mg/kg)	Vinyl Chloride (mg/kg)
B-1 @ 12 feet	12/29/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	48	14.3	<0.0029
B-1 @ 15 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	0.091	0.03	<0.0028
B-1 @ 20 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-1 @ 24 feet	12/29/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-1 @ 30 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 5 feet	12/29/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.17	0.035	<0.0027
B-2 @ 10 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-2 @ 20 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-2 @ 24 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	3.5	0.18	<0.0028
B-2 @ 28 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 5 feet	12/29/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-3 @ 10 feet	12/29/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-3 @ 15 feet	12/29/2009	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026
B-3 @ 20.5 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 24.5 feet	12/29/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-3 @ 28 feet	12/29/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
B-4 @ 5 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 10 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-4 @ 20 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-4 @ 28 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 5 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 12 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 15 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-5 @ 20 feet	12/30/2009	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028
B-5 @ 25 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-5 @ 28 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 5 feet	12/30/2009	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029
B-7 @ 10 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 20 feet	12/30/2009	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
B-7 @ 24 feet	12/30/2009	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027

Notes:
MEK: 2-Butanone
mg/kg: milligrams per kilogram
<: Below the laboratory indicated reporting limit

Boring B6 was proposed for the offsite region, access was still pending at the time of this investigation

Table 3
Soil Results (Metals)
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

Sample ID	Date	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
B-1 @ 12 feet	12/29/2009	<4.3	60.5	7.0	57.9	52.7
B-1 @ 15 feet	12/29/2009	<4.3	43.3	6.2	50.4	48.8
B-1 @ 20 feet	12/29/2009	<4.7	35	<4.7	29.3	27.2
B-1 @ 24 feet	12/29/2009	<4.8	36.6	<4.8	35.6	36.1
B-1 @ 30 feet	12/29/2009	<4.3	30.9	<4.3	31.4	29.1
B-2 @ 5 feet	12/29/2009	<4.8	48.9	10.1	42.9	45.9
B-2 @ 10 feet	12/29/2009	<4.3	61.6	6.3	61.6	54
B-2 @ 20 feet	12/29/2009	<4.6	53.7	5.5	45.6	41.6
B-2 @ 24 feet	12/29/2009	<4.8	55.1	7.0	52.1	51
B-2 @ 28 feet	12/29/2009	<4.6	29.3	4.1	30.8	31.1
B-3 @ 5 feet	12/29/2009	<4.9	54.6	19.7	46.3	60.3
B-3 @ 10 feet	12/29/2009	<4.8	55	7.6	59.4	52.8
B-3 @ 15 feet	12/29/2009	<4.6	44.5	5.7	50.5	46
B-3 @ 20.5 feet	12/29/2009	<4.7	57.7	5.8	47	47.2
B-3 @ 24.5 feet	12/29/2009	<4.3	51.5	8.2	41.9	45.4
B-3 @ 28 feet	12/29/2009	<4.5	35.8	4.9	33.8	36.9
B-4 @ 5 feet	12/30/2009	<5.0	12.5	37.9	<20	105
B-4 @ 10 feet	12/30/2009	<5.0	28.5	14.3	25.6	60.5
B-4 @ 20 feet	12/30/2009	<4.5	54.2	4.9	44.7	41.4
B-4 @ 28 feet	12/30/2009	<4.3	44.5	5.5	39.1	38.8
B-5 @ 5 feet	12/30/2009	<4.9	34.1	15.4	32.4	54.0
B-5 @ 12 feet	12/30/2009	<4.9	24.5	8.4	<19.6	62.2
B-5 @ 15 feet	12/30/2009	<4.9	48.8	6.1	54.4	51.0
B-5 @ 20 feet	12/30/2009	<4.8	63.8	6.5	49.5	45.2
B-5 @ 25 feet	12/30/2009	<4.8	42.7	5.2	44.6	42.3
B-5 @ 28 feet	12/30/2009	<4.7	49.9	6.3	38.0	43.8
B-7 @ 5 feet	12/30/2009	<5.0	54.8	22.1	54.9	57.8
B-7 @ 10 feet	12/30/2009	<4.4	57.3	7.3	64.3	51.7
B-7 @ 20 feet	12/30/2009	<4.4	44.1	5.8	34.3	36.2
B-7 @ 24 feet	12/30/2009	<4.5	43.8	<4.5	42.3	42.3

Notes
Metals tested by EPA Method 6010
mg/kg: milligrams per kilogram

Boring B6 was proposed for the offsite region, access was still pending at the time of this investigation

Table 1

HISTORICAL SOIL ANALYTICAL RESULTS
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

Sample ID	Date	Sample Depth (feet)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	DRO (mg/kg)	RRO (mg/kg)	Lead (mg/kg)
ATC 2007																		
ATC-1d12.0	9/25/2007	12	**100**	<0.005	<0.005	**0.016**	**0.029**	**0.024**	**0.19**	<0.001	<0.001	<0.001	<0.10	--	--	**57**	--	**8.15**
ATC-1d20.0	9/25/2007	20	<1.0	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<12	--	**4.57**
ATC-2d12.0	9/25/2007	12	**560**	<0.62	<0.62	**8.8**	**48**	**0.83**	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	**51**	--	**7.62**
ATC-2d20.0	9/25/2007	20	<1.0	<0.005	<0.005	<0.005	<0.005	**0.011**	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<12	--	**3.57**
ATC-3d12.0	9/25/2007	12	**27**	<0.63	<0.63	**0.82**	**2.93**	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	**310**	--	**7.71**
ATC-3d18.0	9/25/2007	18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	**18**	--	**8.21**
ATC-4d5.0	9/26/2007	5	**1,000**	<0.63	<0.63	**11**	**43**	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	**170**	--	**6.48**
ATC-4d20.0	9/26/2007	20	<1.0	<0.005	<0.005	<0.005	<0.005	**0.015**	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<12	--	**2.85**
ATC-5d5.0	9/26/2007	5	**220**	<0.62	**1.2**	**6.2**	**25.2**	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<12	--	**6.27**
ATC-5d20.0	9/26/2007	20	<1.0	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<14	--	**2.59**
ATC-6d12.0	9/25/2007	12	**59**	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<12	--	**9.37**
ATC-6d15.0	9/25/2007	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.10	<0.001	<0.001	<0.001	<0.10	--	--	<12	--	**5.27**
Delta 2009																		
B-1@12	12/29/2009	12	**603**	**0.71**	**12.3**	**19**	**103**	**0.013**	**0.021**	<0.0029	<0.0029	<0.0029	--	<0.0029	--	**16.3**	**55.2**	**7**
B-1@15	12/29/2009	15	**0.94**	<0.0028	**0.023**	**0.027**	**0.16**	**0.017**	<0.014	<0.0028	<0.0028	<0.0028	--	<0.0028	--	<2.0	<9.9	**6.2**
B-1@20	12/29/2009	20	<0.25	<0.0030	<0.0030	<0.0030	<0.0059	**0.021**	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**2.2**	<10	<4.7
B-1@24	12/29/2009	24	<0.23	<0.0027	<0.0027	<0.0027	<0.0054	**0.0087**	<0.014	<0.0027	<0.0027	<0.0027	--	<0.0027	--	<2.0	<10	<4.8
B-1@30	12/29/2009	30	<0.25	<0.0030	<0.0030	<0.0030	<0.0060	<0.0030	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	<2.0	<9.8	<4.3
B-2@5	12/29/2009	5	**2.8**	**0.1**	<0.0027	**0.488**	**0.22**	**0.058**	**0.034**	<0.0027	<0.0027	<0.0027	--	<0.0027	--	**9.2**	<10	**10.1**
B-2@10	12/29/2009	10	**1.5**	**0.073**	<0.0030	**0.014**	<0.0060	**0.13**	**0.04**	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**4**	<9.9	**6.3**
B-2@20	12/29/2009	20	<0.24	<0.0028	<0.0028	<0.0028	<0.0057	<0.0028	<0.014	<0.0028	<0.0028	<0.0028	--	<0.0028	--	<2.0	<10	**5.5**
B-2@24	12/29/2009	24	**42.2**	**0.027**	<0.0028	**0.94**	**2.3**	**0.031**	**0.017**	<0.0028	<0.0028	<0.0028	--	<0.0028	--	**27.2**	**79.8**	**7**
B-2@28	12/29/2009	28	<0.23	<0.0028	<0.0028	<0.0028	<0.0056	<0.0028	<0.014	<0.0028	<0.0028	<0.0028	--	<0.0028	--	<2.0	<9.8	**4.1**
B-3@5	12/29/2009	5	<0.24	<0.0029	<0.0029	<0.0029	<0.0057	**0.043**	**0.042**	<0.0029	<0.0029	<0.0029	--	<0.0029	--	**2.2**	<9.9	**19.7**
B-3@10	12/29/2009	10	<0.24	<0.0028	<0.0028	<0.0028	<0.0057	**0.044**	**0.023**	<0.0028	<0.0028	<0.0028	--	<0.0028	--	**2**	<10	**7.6**
B-3@15	12/29/2009	15	<0.22	<0.0026	<0.0026	<0.0026	<0.0052	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	--	<0.0026	--	<2.0	<9.9	**5.7**
B-3@20.5	12/29/2009	20.5	<0.25	<0.0030	<0.0030	<0.0030	<0.0060	**0.0081**	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**2.2**	**18.7**	**5.8**
B-3@24.5	12/29/2009	24.5	<0.25	<0.0030	<0.0030	<0.0030	<0.0059	**0.0071**	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**11.1**	**174**	**8.2**
B-3@28	12/29/2009	28	<0.23	<0.0027	<0.0027	<0.0027	<0.0055	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	--	<0.0027	--	<2.0	<9.8	**4.9**
B-4@5	12/30/2009	5	<0.25	<0.0030	<0.0030	<0.0030	<0.0060	<0.0030	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**22.5**	**379**	**37.9**
B-4@10	12/30/2009	10	<0.25	<0.0030	<0.0030	<0.0030	<0.0059	<0.0030	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**4**	**51.2**	**14.3**
B-4@20	12/30/2009	20	<0.25	<0.0029	<0.0029	<0.0029	<0.0059	<0.0029	<0.015	<0.0029	<0.0029	<0.0029	--	<0.0029	--	<2.0	<9.9	**4.9**
B-4@28	12/30/2009	28	<0.24	<0.0029	<0.0029	<0.0029	<0.0058	<0.0029	<0.015	<0.0029	<0.0029	<0.0029	--	<0.0029	--	<2.0	<9.9	**5.5**
B-5@5	12/30/2009	5	<0.25	<0.0030	<0.0030	<0.0030	<0.0059	<0.0030	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**3.6**	**40.1**	**15.4**
B-5@12	12/30/2009	12	<0.24	<0.0029	**0.0037**	<0.0029	<0.0058	<0.0029	<0.014	<0.0029	<0.0029	<0.0029	--	<0.0029	--	**11.6**	**247**	**8.4**
B-5@15	12/30/2009	15	<0.25	<0.0029	<0.0029	<0.0029	<0.0059	<0.0029	<0.015	<0.0029	<0.0029	<0.0029	--	<0.0029	--	<2.0	<9.9	**6.1**
B-5@20	12/30/2009	20	<0.23	<0.0028	<0.0028	<0.0028	<0.0056	<0.0028	<0.014	<0.0028	<0.0028	<0.0028	--	<0.0028	--	<2.0	<10	**6.5**
B-5@25	12/30/2009	25	<0.25	<0.0030	<0.0030	<0.0030	<0.0059	<0.0030	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	<2.0	<10	**5.2**
B-5@28	12/30/2009	28	<0.24	<0.0029	<0.0029	<0.0029	<0.0058	<0.0029	<0.015	<0.0029	<0.0029	<0.0029	--	<0.0029	--	**2.5**	**23.5**	**6.3**
B-7@5	12/30/2009	5	<0.25	<0.0029	<0.0029	<0.0029	<0.0059	<0.0029	<0.015	<0.0029	<0.0029	<0.0029	--	<0.0029	--	**63.7**	**582**	**22.1**
B-7@10	12/30/2009	10	**1.3**	**0.018**	<0.0030	**0.0035**	<0.0060	**0.21**	**0.093**	<0.0030	<0.0030	<0.0030	--	<0.0030	--	**5.7**	<9.8	**7.3**
B-7@20	12/30/2009	20	<0.25	<0.0030	<0.0030	<0.0030	<0.0059	**0.014**	<0.015	<0.0030	<0.0030	<0.0030	--	<0.0030	--	<2.0	<9.9	**5.8**
B-7@24	12/30/2009	24	<0.22	<0.0027	<0.0027	<0.0027	<0.0053	<0.0027	<0.013	<0.0027	<0.0027	<0.0027	--	<0.0027	--	<2.0	<10	<4.5
Antea Group 2011																		
MW-7d9	4/5/2011	9	**289**	**0.061**	**0.034**	**4.3**	**8.4**	**0.042**	**0.018**	<0.0024	<0.0024	<0.0024	<0.32	<0.0024	<0.0024	--	**20.7**	**8.9**
MW-7d16	4/5/2011	16	**0.9 M1**	**0.017**	**0.037**	**0.054**	**0.24**	**0.013**	<0.012	<0.0024	<0.0024	<0.0024	<0.32	<0.0024	<0.0024	--	**788**	**13.9**
MW-7d20	4/5/2011	20	<0.24	<0.0029	<0.0029	<0.0029	<0.0087	**0.019**	<0.015	<0.0029	<0.0029	<0.0029	<0.39	<0.0029	<0.0029	--	<9.9	**6.3**
MW-8d9	4/5/2011	9	**0.75**	**0.02**	<0.003	<0.003	<0.0089	**0.086**	**0.023**	<0.003	<0.003	<0.003	<0.39	<0.003	<0.003	--	<10	**9.9**
MW-8d13	4/5/2011	13	**0.68**	**0.016**	<0.0028	**0.024**	**0.06**	**0.023**	<0.014	<0.0028	<0.0028	<0.0028	<0.37	<0.0028	<0.0028	--	**852**	**15.7**
MW-8d20	4/5/2011	20	<0.23	<0.0023	<0.0023	<0.0023	<0.007	<0.0023	<0.012	<0.0023	<0.0023	<0.0023	<0.31	<0.0023	<0.0023	--	<10	<4.1
MW-9d8	4/5/2011	8	<0.22	<0.0026	<0.0026	<0.0026	<0.0078	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	<0.35	<0.0026	<0.0026	--	<9.7	**8.9**
MW-9d20	4/5/2011	20	<0.24	<0.0028	<0.0028	<0.0028	<0.0085	<0.0028	<0.014	<0.0028	<0.0028	<0.0028	<0.38	<0.0028	<0.0028	--	<9.8	**5.3**
MW-9d24	4/5/2011	24	<0.21	<0.0027	<0.0027	<0.0027	<0.0082	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	<0.36	<0.0027	<0.0027	--	<9.9	**6.4**
MW-10d10	4/5/2011	10	<0.21	<0.0025	<0.0025	<0.0025	<0.0075	**0.028**	<0.012	<0.0025	<0.0025	<0.0025	<0.33	<0.0025	<0.0025	<2.0	<10	**8.5**
MW-10d15	4/5/2011	15	<0.25	<0.0026	<0.0026	**0.0039**	**0.012**	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	<0.34	<0.0026	<0.0026	<1.9	<9.7	**6.1**
MW-10d20	4/5/2011	20	<0.22	<0.0026	<0.0026	<0.0026	<0.0077	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	<0.34	<0.0026	<0.0026	<2.0	<9.9	**5.8**

Notes:

TPHg=	total petroleum hydrocarbons as gasoline by CA LUFT
BTEX =	benzene, toluene, ethyl-benzene, total xylenes by EPA Method 8260
MTBE =	methyl tertiary butyl ether by EPA Method 8260
TBA =	tert butyl alcohol by EPA Method 8260
TAME =	tert amyl methyl ether by EPA Method 8260
DIPE =	Diisopropyl ether by EPA Method 8260
ETBE =	Ethyl-tert-butyl-ether by EPA Method 8260
1,2-DCA =	1,2-Dichloroethane by EPA Method 8260
EDB =	1,2-Dibromoethane by EPA Method 8260
DRO =	Diesel range organics by EPA Method 8015
RRO =	Residual range organics by EPA Method 8015
M1 =	Matrix Spike recovery exceeded QC limits. Batch accepted based on laboratory control sample recovery.
mg/kg =	milligrams per kilogram
< =	Below the laboratory's indicated reporting limit
Bold =	Above the laboratory's indicated reporting limit
-- =	Not analyzed
EPA =	US Environmental Protection Agency

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
ConocoPhillips Site No. 256277
15803 East 14th Street, San Leandro, California

B T E X Other HVOC Oxygenate SVOC TPH g d o Cd Cr Pb Ni Zn

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Other HVOC * (µg/L)	Oxygenates * (µg/L)	SVOCs * (µg/L)	Total TPH (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	TPH-ORO (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)
		EPA 8260B						EPA 8270C	EPA 8015B Modified				EPA 6010B				
ATC-1	09/25/07	<5	<5	<5	7	trichloroethene (12) tetrachloroethene (100)	MTBE (7)	—	—	140	15,000	—	—	—	—	—	—
Duplicate D-1**	09/25/07	<5	<5	<5	12	trichloroethene (11) tetrachloroethene (96)	MTBE (13)	—	—	140	1,100	—	—	—	—	—	—
ATC-2	09/25/07	39	<5	27	117	cis-1,2-dichloroethene (8) trichloroethene (15) tetrachloroethene (180)	MTBE (210)	—	—	860	5,200	—	—	—	—	—	—
ATC-3	09/25/07	<5	<5	160	630	trichloroethene (9) tetrachloroethene (29)	All analytes ND.	—	—	3,700	8,100	—	—	—	—	—	—
ATC-4	09/26/07	60	120	300	1,040	trichloroethene (14) tetrachloroethene (230)	MTBE (37)	—	—	6,400	1,900	—	—	—	—	—	—
ATC-5	09/26/07	33	64	110	400	trichloroethene (16) tetrachloroethene (240)	MTBE (6)	—	—	2,500	810	—	—	—	—	—	—
ATC-6	09/25/07	<5	<5	<5	<5	trichloroethene (12) tetrachloroethene (100)	All analytes ND.	phenanthrene (5)	2,500	93	910	1,600	<5.0	<15.0	<15.0	<10.0	<20.0

Notes:
µg/L - Micrograms per liter (equivalent to parts per billion).
HVOC - Halogenated volatile organic compounds.
* - Only compounds detected at a concentration exceeding their respective laboratory method Limit of Quantitation (LOQ) are noted.
SVOC - Semi-volatile organic compounds.
TPH - Total petroleum hydrocarbons.
TPH-GRO - Gasoline range organic hydrocarbons
TPH-DRO - Diesel range organic hydrocarbons
TPH-ORO - Oil range organic hydrocarbons.
EPA - Environmental Protection Agency
<5 - Analyte not detected above specific laboratory method LOQ.
MTBE - Methyl tert butyl ether
— - Not analyzed.
** - Duplicate groundwater sample collected from boring ATC-1.
ND - Analyte not detected above specific laboratory method LOQ.

Table 4
Water Analytical Results (TPHg, TPHd, TPHmo, BTEX, Fuel Oxygenates)
76 Service Station No. 6277
15803 East 14th Street, San Leandro, California

Sample ID	Date	TPHg (ug/L)	TPHd w/gel (ug/L)	TPHd (ug/L)	TPHmo w/gel (ug/L)	TPHmo (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	TBA (ug/L)	ETBE (ug/L)	TAME (ug/L)	DIPE (ug/L)
B-1	12/29/2009	2,110	325	494	411	552	86.9	56.0	114	357	80.2	<5.0	<1.0	<1.0	<1.0
B-2	12/29/2009	858	221	372	<267	351	25	<1.0	26.9	47.7	7.3	<5.0	<1.0	<1.0	<1.0
B-3	12/29/2009	254	104	311	555	740	<1.0	<1.0	1.2	3.2	5.8	<5.0	<1.0	<1.0	<1.0
B-4	12/30/2009	158	137	411	576	811	<1.0	<1.0	<1.0	<3.0	1.8	<5.0	<1.0	<1.0	<1.0
B-5	12/30/2009	104	46.4	188	449	597	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<1.0	<1.0
B-7	12/30/2009	1,340	239	479	627	831	4.7	6.9	61.1	284	59.5	<5.0	<1.0	<1.0	<1.0

Notes
TPHg: Total petroleum hydrocarbons as gasoline
TPHd: Total petroleum hydrocarbons as diesel, C10-24
TPHmo: Total petroleum hydrocarbons as motor oil C24-40
BTEX: Benzene, toluene, ethylbenzene, and total xylenes
w/gel: Silica gel treated

ug/L: micrograms per liter
<: Below the laboratory indicated reporting limit
MTBE: Methyl tertiary butyl ether
TBA: Tertiary butyl alcohol
ETBE: Ethyl tertiary butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Di-isopropyl ether

Boring B6 was proposed for the offsite region, access was still pending at the time of this investigation

Table 5
Water Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

Sample ID	Date	Acetone (ug/L)	Bromo-benzene (ug/L)	Bromo-chloro-methane (ug/L)	Bromo-dichloro-methane (ug/L)	Bromoform (ug/L)	Bromo-methane (ug/L)	MEK (ug/L)	n-butyl benzene (ug/L)	sec-butyl benzene (ug/L)	tert-butyl benzene (ug/L)	carbon disulfide (ug/L)	carbon tetra chloride (ug/L)
B-1	12/29/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	6.9	3.0	<1.0	<1.0	<1.0
B-2	12/29/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	1.8	<1.0	<1.0	<1.0
B-3	12/29/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-4	12/30/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-5	12/30/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-7	12/30/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	4.3	1.3	<1.0	<1.0	<1.0

Cont.

Sample ID	Date	Chloro-benzene (ug/L)	Chloro-ethane (ug/L)	Chloro-form (ug/L)	Chloro-methane (ug/L)	2 Chloro-toluene (ug/L)	4 Chloro-toluene (ug/L)	1,2- dibromo- 3 chloro- propane (ug/L)	dibromo-chloro-methane (ug/L)	dibromo-methane (ug/L)	1,2 dichloro-benzene (ug/L)	1,3 dichloro-benzene (ug/L)	1,4 dichloro-benzene (ug/L)
B-1	12/29/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-2	12/29/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-3	12/29/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-4	12/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-5	12/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-7	12/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 5
Water Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

cont.

Sample ID	Date	Dichloro-difluoro methane (ug/L)	1,1- dichloro-ethane (ug/L)	1,2- dichloro-ethene total (ug/L)	1,1- dichloro-ethene (ug/L)	cis 1,2-dichloro-ethene (ug/L)	trans 1,2- dichloro-ethene (ug/L)	1,2- dichloro-propane (ug/L)	1,3- dichloro-propane (ug/L)	2,2- dichloro-propane (ug/L)	1,1- dichloro-propene (ug/L)	cis- 1,3 dichloro-propene (ug/L)	trans- 1,3 dichloro-propene (ug/L)
B-1	12/29/2009	<1.0	<1.0	3.4	<1.0	2.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-2	12/29/2009	<1.0	<1.0	3.6	<1.0	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-3	12/29/2009	<1.0	<1.0	3.2	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-4	12/30/2009	<1.0	<1.0	2.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-5	12/30/2009	<1.0	<1.0	3.1	<1.0	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-7	12/30/2009	<1.0	<1.0	7.5	<1.0	7.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

cont.

Sample ID	Date	Hexachloro-1,3 butadiene (ug/L)	2-Hexanone (ug/L)	isopropyl benzene (ug/L)	p-isopropyl toluene (ug/L)	methylene chloride (ug/L)	4-methyl 2 pentanone (ug/L)	Naphthalene (ug/L)	n-propyl benzene (ug/L)	styrene (ug/L)	1,1,1,2-tetrachloro-ethane (ug/L)	1,1,2,2-tetrachloro-ethane (ug/L)	tetrachloro-ethene (ug/L)
B-1	12/29/2009	<1.0	<5.0	10.6	<1.0	<4.0	<5.0	40.5	34.2	<1.0	<1.0	<1.0	165
B-2	12/29/2009	<1.0	<5.0	4.7	1.3	<4.0	<5.0	17.5	15	<1.0	<1.0	<1.0	342
B-3	12/29/2009	<1.0	<5.0	<1.0	<1.0	<4.0	<5.0	1.8 J	<1.0	<1.0	<1.0	<1.0	183
B-4	12/30/2009	<1.0	<5.0	<1.0	<1.0	<4.0	<5.0	4.8	2.4	<1.0	<1.0	<1.0	46.8
B-5	12/30/2009	<1.0	<5.0	<1.0	<1.0	<4.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	70.6
B-7	12/30/2009	<1.0	<5.0	4.2	1.3	<4.0	<5.0	30.5	17	<1.0	<1.0	<1.0	97.1

Table 5
Water Volatile Organics Results
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

cont.

Sample ID	Date	1,2,3-Trichloro benzene (ug/L)	1,2,4-Trichloro benzene (ug/L)	1,1,1-Trichloro ethane (ug/L)	1,1,2-Trichloro ethane (ug/L)	Trichloro ethene (ug/L)	Trichloro fluoromethane (ug/L)	1,2,3-Trichloro propane (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	Vinyl Chloride (ug/L)
B-1	12/29/2009	<1.0	<1.0	<1.0	<1.0	12.5	<1.0	<1.0	120	32.6	<1.0
B-2	12/29/2009	<1.0	<1.0	<1.0	<1.0	14.5	<1.0	<1.0	43.6	11.6	<1.0
B-3	12/29/2009	<1.0	<1.0	<1.0	<1.0	10.3	<1.0	<1.0	2.1	<1.0	<1.0
B-4	12/30/2009	<1.0	<1.0	<1.0	<1.0	5.8	<1.0	<1.0	<1.0	<1.0	<1.0
B-5	12/30/2009	<1.0	<1.0	<1.0	<1.0	10.8	<1.0	<1.0	<1.0	<1.0	<1.0
B-7	12/30/2009	<1.0	<1.0	<1.0	<1.0	14.7	<1.0	<1.0	104	28.6	<1.0

Notes
MEK: 2-Butanone
ug/L: micrograms per liter
< : Below the laboratory indicated reporting limit
J: Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

Boring B6 was proposed for the offsite region, access was still pending at the time of this investigation

Table 6
Water Results (Metals)
76 Service Station No. 6277
15803 East 14th Street, San Leandro, CA

Sample ID	Date	Cadmium (ug/L)	Chromium (ug/L)	Lead (ug/L)	Nickel (ug/L)	Zinc (ug/L)
B-1	12/29/2009	101	3,880	998	5,630	5,250
B-2	12/29/2009	70	2,620	448	3,990	4,000
B-3	12/29/2009	105	3,890	1,320	6,520	6,670
B-4	12/30/2009	<25	562	81	676	526
B-5	12/30/2009	66.2	2,880	501	3,400	3,580
B-7	12/30/2009	47.8	1,910	459	2,340	2,740

Notes
Metals tested by EPA Method 6010
ug/L: micrograms per liter
<: Below the laboratory indicated reporting limit

Boring B6 was proposed for the offsite region, access was still pending at the time of this investigation

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTIC
76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)					
MW-7	4/18/2011	34.6	9.40	NP	25.20	**2,420**	**22.4**	**12.4**	**11.3**	**449**
	7/26/2011	34.6	9.43	NP	25.17	**1,770**	**27.3**	**19**	**66.4**	**341**
	10/14/2011	34.6	9.37	NP	25.23	**1,480**	**45.0**	**6.6**	**58.2**	**184**
	2/22/2012	34.6	9.53	NP	25.07	**655**	**14.9**	**1.7**	**16.3**	**38.8**
	5/10/2012	34.6	9.43	NP	25.17	**1,500**	**34.6**	**6.5**	**49.1**	**134**
	8/14/2012	34.6	9.56	NP	25.04	**270***	<0.50	<0.50	<0.50	**0.72**
	11/14/2012	34.6	9.32	NP	25.28	**390***	**11**	**0.68**	**6.6**	**13**
MW-8	4/18/2011	34.85	9.40	NP	25.45	**439**	**1.4**	**0.75**	**2.8**	**14.2**
	7/26/2011	34.85	9.42	NP	25.43	**336 1n**	**4.0**	<0.50	<0.50	<1.5
	10/14/2011	34.85	9.35	NP	25.50	**221 1n**	**2.2**	<0.50	<0.50	<1.5
	2/22/2012	34.85	9.53	NP	25.32	**308**	<0.50	<0.50	<0.50	<1.5
	5/10/2012	34.85	9.50	NP	25.35	**280 1n**	**1.8**	<0.50	<0.50	<1.5
	8/14/2012	34.85	9.63	NP	25.22	**260***	<0.50	<0.50	<0.50	<0.50
	11/14/2012	34.85	9.65	NP	25.20	**190***	<0.50	<0.50	<0.50	<0.50
MW-9	4/18/2011	35.09	9.55	NP	25.54	**208 1n**	<0.50	<0.50	<0.50	<1.5
	7/26/2011	35.09	9.58	NP	25.51	**176**	<0.50	<0.50	<0.50	<1.5
	10/14/2011	35.09	9.54	NP	25.55	**154 1n**	<0.50	<0.50	<0.50	<1.5
	2/22/2012	35.09	9.81	NP	25.28	**248**	<0.50	<0.50	<0.50	<1.5
	5/10/2012	35.09	9.65	NP	25.44	**168 1n**	<0.50	<0.50	<0.50	<1.5
	8/14/2012	35.09	9.74	NP	25.35	**260***	<0.50	<0.50	<0.50	<0.50
	11/14/2012	35.09	9.82	NP	25.27	**270***	<0.50	<0.50	<0.50	<0.50
MW-10	4/18/2011	36	10.55	NP	25.45	**513**	<0.50	<0.50	**6.9**	**40.0**
	7/26/2011	36	10.74	NP	25.26	**169 1n**	<0.50	<0.50	**1.4**	<1.5
	10/14/2011	36	10.75	NP	25.25	**141 1n**	<0.50	<0.50	**0.59**	<1.5
	2/22/2012	36	10.78	NP	25.22	**173**	<0.50	<0.50	<0.50	<1.5
	5/10/2012	36	10.70	NP	25.30	**118 1n**	<0.50	<0.50	<0.50	<1.5
	8/14/2012	36	10.82	NP	25.18	**150***	<0.50	<0.50	<0.50	<0.50
	11/14/2012	36	10.86	NP	25.14	**160***	<0.50	<0.50	<0.50	<0.50

Gauging Notes:
TOC - Top of Casing
ft - Feet
NP - LNAPL not present
LNAPL - Light non-aqueous phase liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)

Analytical Notes:
< - Below the laboratory's indicated reporting limit
Bold - Above the laboratory's indicated reporting limit
ug/L - micrograms/liter
TPHg- Total petroleum hydrocarbons as gasoline
MTBE- Methyl tertiary-butyl ether
DIPE- Di-isopropyl ether
ETBE- Ethyl tertiary-butyl ether
TAME- Tertiary-amyl methyl ether
TBA- Tertiary-butyl alcohol
1n - The TPHg result for this sample did not match the pattern of the laboratory standa
* - Primarily compounds not found in typical gasoline

LOG OF BORING ATC-1

SHEET 1 OF 1

Client ConocoPhillips Company
Project Name ConocoPhillips Site No. 256277
Number 34.75118.3151
Location 15803 East 14th Street, San Leandro, CA

Drill Contractor Vironex
Drill Method Geoprobe
Drilling Started 9/25/07 Ended 9/25/07
Logged By Jonathan Flomerfelt

Elevation (ft amsl) --
Total Depth 25.0
Depth To Water ATD 24.0

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						Airknifed to 5' bgs.	
5						CLAY. Very dark gray. High plasticity. Dry.	5
10	CT ATC-1-10		6.1	CH			10
	CT ATC-1-12		1366				
15	CT ATC-1-15		4.0	CL ML		SILTY CLAY. 80% clay. 20% silt. Reddish gray. High plasticity. Dry.	15
20	CT ATC-1-20		1.6	CH		CLAY. Black. High plasticity. Slightly damp.	20
				CL		SANDY CLAY. 70% clay. 30% fine grained sand. Pink. Damp.	
25	CT ATC-1-25		0.0			Bottom of hole at 25 feet	25

REGISTERED GEOLOGIST
GIRARD E. MORGAN
No. 5289
6/30/10
Date Expires
STATE OF CALIFORNIA

VATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste 107
Tempe, Arizona 85284
Phone: 480.894.2056
Fax: 480.894.2497

Remarks : Groundwater encountered at approximately 24' bgs.

See key sheet for symbols and abbreviations used above.

LOG A EWN05 256277 BORING LOGS.GPJ LOG A EWN05.GDT 10/17/07

LOG OF BORING ATC-2

SHEET 1 OF 1

Client ConocoPhillips Company
Project Name ConocoPhillips Site No. 256277
Number 34.75118.3151
Location 15803 East 14th Street, San Leandro, CA

Drill Contractor Vironex
Drill Method Geoprobe
Drilling Started 9/25/07 Ended 9/25/07
Logged By Jonathan Flomerfelt

Elevation (ft amsl) –
Total Depth 20.0
Depth To Water ▽ ATD 20.0

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						Airknifed to 5'.	
5						SILTY CLAY. 80% clay. 20% silt. Black. Dry.	5
10	CT ATC-2-10		81.9	CL ML			10
	CT ATC-2-12		1032				
15	CT ATC-2-15		1.9	CH		CLAY. Pale red. High plasticity. Damp.	15
20	CT ATC-2-20		0.0	CL ML		SILTY CLAY. 65% clay. 35% silt. White. Medium to high plasticity. Damp. ▽ Bottom of hole at 20 feet	20
25							25

REGISTERED GEOLOGIST
GIRARD E. MORGAN
No. 5289
6/30/10
Date Expires
STATE OF CALIFORNIA

VATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste 107
Tempe, Arizona 85284
Phone: 480.894.2056
Fax: 480.894.2497

Remarks : Groundwater encountered at approximately 20' bgs.

See key sheet for symbols and abbreviations used above.

LOG A EWINN05 256277 BORING LOGS.GPJ LOG A EWINN05.GDT 10/17/07

LOG OF BORING ATC-3

SHEET 1 OF 1

Client: ConocoPhillips Company
Project Name: ConocoPhillips Site No. 256277
Number: 34.75118.3151
Location: 15803 East 14th Street, San Leandro, CA
Drill Contractor: Vironex
Drill Method: Geoprobe
Drilling Started: 9/25/07 Ended: 9/25/07
Logged By: Jonathan Flomerfelt
Elevation (ft amsl): --
Total Depth: 20.0
Depth To Water: ATD 18.0

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
0						Airknifed to 5'.	
5				CH		CLAY.	5
				MH		CLAYEY SILT. Gray with some oxidation staining. Low plasticity. Dry.	
10	CT ATC-3-10		0.0				10
	CT ATC-3-12		794	CH		CLAY. Very dark gray.	
				CL ML		SILTY CLAY. Light yellowish brown. Medium plasticity. Dry.	
15	CT ATC-3-15		1.4	CH		CLAY. Grayish brown. High plasticity. Damp.	15
	CT ATC-3-18		1.6			Black.	
20						Bottom of hole at 20 feet	20
25							25

REGISTERED GEOLOGIST
GIRARD E. MORGAN
No. 5289
6/30/10
Date Expires
STATE OF CALIFORNIA

ATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste 107
Tempe, Arizona 85284
Phone: 480.894.2056
Fax: 480.894.2497

Remarks: Groundwater encountered at approximately 18' bgs.

See key sheet for symbols and abbreviations used above.

LOG A EWNN05 256277 BORING LOGS.GPJ LOG A EWNN05.GDT 10/17/07

LOG OF BORING ATC-4

SHEET 1 OF 1

Client ConocoPhillips Company
Project Name ConocoPhillips Site No. 256277
Number 34.75118.3151
Location 15803 East 14th Street, San Leandro, CA

Drill Contractor Vironex
Drill Method Geoprobe
Drilling Started 9/25/07 Ended 9/25/07
Logged By Jonathan Flomerfelt

Elevation (ft amsl) –
Total Depth 20.0
Depth To Water ▽ ATD 20.0

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						Airknifed to 5'.	
5	CT ATC-4-5		2272	MH		CLAYEY SILT. 80% silt. 20% clay. Dark bluish gray. Damp.	5
10	CT ATC-4-10		885	CH		CLAY. Dark greenish gray.	10
15	CT ATC-4-15		19.4	CL ML		SILTY CLAY. 75% clay. 25% silt. Light yellowish brown. Medium to high plasticity. Damp.	15
20	CT ATC-4-20		10.4	CH		CLAY. Very pale brown. High plasticity. Damp to moist. ▽ Bottom of hole at 20 feet	20
25							25

REGISTERED GEOLOGIST
GIRARD E. MORGAN
No. 5289
6/30/10
Date Expires
STATE OF CALIFORNIA

ATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste 107
Tempe, Arizona 85284
Phone: 480.894.2056
Fax: 480.894.2497

Remarks : Groundwater encountered at approximately 20' bgs.

See key sheet for symbols and abbreviations used above.

LOG A EWNN05 256277 BORING LOGS.GPJ LOG A EWNN05.GDT 10/17/07

LOG OF BORING ATC-5

SHEET 1 OF 1

Client ConocoPhillips Company
Project Name ConocoPhillips Site No. 256277
Number 34.75118.3151
Location 15803 East 14th Street, San Leandro, CA

Drill Contractor Vironex
Drill Method Geoprobe
Drilling Started 9/26/07 Ended 9/26/07
Logged By Jonathan Flomerfelt

Elevation (ft amsl) –
Total Depth 20.0
Depth To Water ▽ ATD 20.0

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						Airknifed to 5'.	
5	CT ATC-5-5		846	CH		CLAY. Black. Medium plasticity.	5
				MH		CLAYEY SILT. 75% silt. 25% clay. Dark gray. Dry.	
10	CT ATC-5-10		118				10
				CL ML		SILTY CLAY. 80% clay. 20% silt. Pale brown. High plasticity. Damp.	
15	CT ATC-5-15		14.3				15
				CH		CLAY. White. High plasticity. Damp.	
20	CT ATC-5-20		0.0			▽ Bottom of hole at 20 feet	20
25							25

REGISTERED GEOLOGIST
GERARD E. MORGAN
No. 5289
6/30/10
Date Expires
STATE OF CALIFORNIA

VATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste 107
Tempe, Arizona 85284
Phone: 480.894.2056
Fax: 480.894.2497

Remarks : Groundwater encountered at approximately 20' bgs.

See key sheet for symbols and abbreviations used above.

LOG A EWNN05 256277 BORING LOGS.GPJ LOG A EWNN05.GDT 10/17/07

LOG OF BORING ATC-6

SHEET 1 OF 1

Client ConocoPhillips Company
Project Name ConocoPhillips Site No. 256277
Number 34.75118.3151
Location 15803 East 14th Street, San Leandro, CA

Drill Contractor Vironex
Drill Method Geoprobe
Drilling Started 9/25/07 Ended 9/25/07
Logged By Jonathan Flomerfelt

Elevation (ft amsl) –
Total Depth 25.0
Depth To Water ATD 18.0

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						Airknifed to 5' bgs.	
5						No recovery.	5
10	CT ATC-6-12		1096	CH		CLAY. Dark gray.	10
15				CL ML		SILTY CLAY. 75% clay. 25% silt. Pale brown. High plasticity. Damp.	15
20							20
25						Bottom of hole at 25 feet	25

REGISTERED GEOLOGIST
GORDON E. MORGAN
No. 5289
6/30/10
Date Expires
STATE OF CALIFORNIA

ATC ASSOCIATES INC.
9185 S. Farmer Ave., Ste 107
Tempe, Arizona 85284
Phone: 480.894.2056
Fax: 480.894.2497

Remarks : Groundwater encountered at approximately 18' bgs.

See key sheet for symbols and abbreviations used above.

LOG A EWNN05 256277 BORING LOGS.GPJ LOG A EWNN05.GDT 10/17/07

Delta
Consultants, Inc.

Project No:	I40256277	Client:	ELT	Boring No: B-1	
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 1 of 2	
Driller:	Gregg Drilling	Date Drilled:	12/30/2009	Location Map - See Site Map for Location	
Drilling Method:	Direct Push	Hole Diameter:	2"	▽ = First Water	
Sampling Method:	Sample Tube	Hole Depth:	30'	▼ = Static Groundwater	
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
												4" of asphalt
					Moist		Air Knife	1			CL	**Lean Clay with Gravel:** 80% clay, 5% fine grained sand, 15% fine gravel (angular to subangular), brown, moist, soft
								2				
								3				
					Moist			4			CL	**Lean Clay:** 95% clay, 5% fine grained sand, black, moist, medium stiff
								5				NO RECOVERY
								6				
								7				
								8				
								9				
								10				
								11				
					Moist	197		12			CL	**Lean Clay:** 95% clay, 5% fine grained sand, olive green, moist, medium stiff
								13				
								14				as above: turning brown in color
					Moist	14.5		15				
								16				
								17				
								18				
								19				as above: turning dark brown in color
					Moist	11.2		20				

Delta
Consultants, Inc.

Project No:	140256277	Client:	ELT		Boring No: B-1
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA		Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	12/30/2009	Location Map - See Site Map for Location	
Drilling Method:	Direct Push	Hole Diameter:	2"	▽ = First Water	
Sampling Method:	Sample Tube	Hole Depth:	30'	▼ = Static Groundwater	
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
								20			CL	**Lean Clay:** 95% clay, 5% fine grained sand
								21				dark brown, moist, medium stiff
								22				
								23				
								24			SM	**Silty Sand:** 75% fine grained sand, 25% silt,
				▽	Moist	2.1		25				light brown, moist, loose
								26				NO RECOVERY
								27				
								28			SM	**Silty Sand with Gravel:** 65% sand
					Wet	1.8		29				(fine to medium grained), 20% silt, 15% fine gravel,
								30				light brown, wet, loose
												Boring terminated at 30 feet below ground surface
								31				
								32				
								33				
								34				
								35				
								36				
								37				
								38				
								39				
								40				

Delta
Consultants, Inc.

Project No:	140256277	Client:	ELT	Boring No: B-2
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	12/29/2009	
Drilling Method:	Direct Push	Hole Diameter:	2"	
Sampling Method:	Sample Tube	Hole Depth:	28'	
Casing Type:	-	Well Diameter:	-	
Slot Size:	-	Well Depth:	-	
Gravel Pack:	-	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map - See Site Map for Location

▽ = First Water

▼ = Static Groundwater

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
												4" of asphalt
							Air Knife	1			CL	**Gravelly Clay with Sand**: 65% clay, 20% fine gravel (angular), 15% sand (fine to medium grained), olive green, moist, soft
								2				
								3				
								4				
					Moist	9.9		5				
								6				
								7			ML	**Silt with Sand**: 80% silt, 20% fine grained sand, light olive green, moist, loose
								8				
								9				
								10			CL	**Lean Clay**: 95% clay, 5% fine grained sand, dark brown, moist, medium stiff
					Moist	5.6		11				
								12				
								13				
								14				
								15				
								16			CL	**Lean Clay**: 90% clay, 10% fine grained sand
								17			SP	light brown to borwn, moist, medium stiff
											CL	two small lenses of poorly graded sand with gravel
											SP	
								18			CL	**Lean Clay**: 90% clay, 10% fine grained sand, light brown to brown, moist, medium stiff
								19				
					Moist	0.4		20				

Delta
Consultants, Inc.

Project No:	I40256277	Client:	ELT		Boring No: B-2
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA		Page 2 of 2
Driller:	Gregg Drilling	Date Drilled:	12/29/2009		
Drilling Method:	Direct Push	Hole Diameter:	2"		
Sampling Method:	Sample Tube	Hole Depth:	28'		
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Location Map - See Site Map for Location

▽ = First Water

▼ = Static Groundwater

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
								21			CL	**Lean Clay:** 90% clay, 10% fine grained sand, light brown to brown, moist, medium stiff
								22				
								23				
					Moist	11.9		24				
				▽				25				
								26			SP	**Poorly Graded Sand:** 85% fine grained sand, 10% fine gravel, 5% silt, light brown, wet, loose
								27				
					Wet	0.7		28				Boring terminated at 28 feet below ground surface.
								29				
								30				
								31				
								32				
								33				
								34				
								35				
								36				
								37				
								38				
								39				
								40				

Delta
Consultants, Inc.

Project No:	I40256277	Client:	ELT	Boring No: B-3	
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 1 of 2	
Driller:	Gregg Drilling	Date Drilled:	12/29/2009	Location Map - See Site Map for Location	
Drilling Method:	Direct Push	Hole Diameter:	2"	▽ = First Water	
Sampling Method:	Sample Tube	Hole Depth:	28'	▼ = Static Groundwater	
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
												4" of asphalt
								1			CL	**Gravelly Lean Clay with Sand:** 65% clay, 20% fine gravel (angular to subangular), 15% sand (fine to medium grained), olive green, moist, soft
							Air Knife	2				
								3				
								4				
					Moist	2.6		5			CL	**Sandy Lean Clay:** 60% clay, 40% fine grained sand, black, moist, medium stiff
								6				
								7				as above: turning olive green in color
								8				
								9				as above: with 90% clay, 10% fine grained sand, turning dark brown in color
					Moist	1.0		10				
								11				
								12				
								13				
								14			SW	**Well Graded Sand with Gravel:** 85% sand (fine to medium grained), 15% fine gravel, dark brown, moist, loose
					Moist	0.9		15			CL	**Lean Clay:** 95% clay, 5% fine grained sand, light brown, moist, medium stiff
								16				
								17				
								18				
								19				
								20			SM	**Silty Sand with Gravel:** (see next page)

Delta
Consultants, Inc.

Project No:	140256277	Client:	ELT	Boring No: B-3	
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	12/29/2009	Location Map - See Site Map for Location	
Drilling Method:	Direct Push	Hole Diameter:	2"	▽ = First Water	
Sampling Method:	Sample Tube	Hole Depth:	28'	▼ = Static Groundwater	
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					Moist	8.4		21			SM	**Silty Sand with Gravel:** 50% sand (fine to medium grained), 30% silt, 20% fine gravel (rounded), light brown, moist, loose
								22				
								23			ML	**Silt with Sand:** 80% silt, 20% fine grained sand, light brown, moist, loose
				▽	Wet	1.7		24				
								25			SW-SM	**Well Graded Sand with Silt and Gravel:** 75% sand (fine to coarse grained), 15% fine gravel, 10% silt, light brown, wet, loose
								26				
								27			ML	**Silt with Sand:** 80% silt, 20% fine grained sand, light brown, moist, medium dense
					Moist	1.5		28				Boring terminated at 28 feet below ground surface.
								29				
								30				
								31				
								32				
								33				
								34				
								35				
								36				
								37				
								38				
								39				
								40				

Delta
Consultants, Inc.

Project No:	I40256277	Client:	ELT	Boring No: B-4	
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 1 of 2	
Driller:	Gregg Drilling	Date Drilled:	12/30/2009		
Drilling Method:	Direct Push	Hole Diameter:	2"		
Sampling Method:	Sample Tube	Hole Depth:	28'		
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Location Map - See Site Map for Location

▽ = First Water

▼ = Static Groundwater

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
							Air Knife	1				4" of asphalt
											SW	**Well Graded Sand with Gravel:** 70% sand (50% fine, 50% medium grained), 30% fine gravel, brown, moist, dense
								2				
								3				
								4				
					Moist	0.3		5				
								6				
								7				
								8				
								9				
					Moist	0.3		10				
								11			GP	**Poorly Graded Gravel with Sand:** 80% fine gravel (angular to rounded), 20% sand (fine to coarse grained), brown, wet
								12				NO RECOVERY
								13				
								14				
								15				
								16			CL	**Lean Clay:** 95% clay, 5% fine grained sand, grey, moist, medium stiff
								17				
								18				
								19				
					Moist	0.5		20				NO RECOVERY

Delta
Consultants, Inc.

Project No:	140256277	Client:	ELT	Boring No: B-4	
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	12/30/2009	Location Map - See Site Map for Location	
Drilling Method:	Direct Push	Hole Diameter:	2"	▽ = First Water	
Sampling Method:	Sample Tube	Hole Depth:	28'	▼ = Static Groundwater	
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
												NO RECOVERY
								21				
								22				
					▽			23			GP	**Poorly Graded Gravel:** 90% fine gravel, 10% sand (fine to coarse grained), brown, wet, loose
								24				
								25				
								26			SP	**Poorly Graded Sand:** 90% fine grained sand, 5% silt, 5% fine gravel, brown, wet, loose
								27				
					Wet	0.3		28				Boring terminated at 28 feet below ground surface.
								29				
								30				
								31				
								32				
								33				
								34				
								35				
								36				
								37				
								38				
								39				
								40				

Delta
Consultants, Inc.

Project No:	I40256277	Client:	ELT	Boring No: B-5	
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA	Page 1 of 2	
Driller:	Gregg Drilling	Date Drilled:	12/30/2009	Location Map - See Site Map for Location	
Drilling Method:	Direct Push	Hole Diameter:	2"	▽ = First Water	
Sampling Method:	Sample Tube	Hole Depth:	32'	▼ = Static Groundwater	
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
												4" of asphalt
								1			SW-SC	**Well Graded Sand with Clay and Gravel:** 60% sand (fine to medium grained), 30% fine gravel, 10% clay, brown, moist, medium dense
								2				
								3				
								4				
							Air Knife	5				
					Moist	0.2		6				
								7			CL	**Lean Clay:** 95% clay, 5% fine grained sand, dark brown, moist, stiff
								8				
								9				
								10				
								11			SW-SC	**Well Graded Sand with Clay and Gravel:** 60% sand (fine to coarse grained), 30% fine gravel, 10% clay, brown, moist, medium dense
					Moist	0.3		12				
								13				
								14			CL	**Lean Clay:** 95% clay, 5% fine grained sand, light grey, moist, stiff
					Moist	0.5		15				
								16				
								17				
								18			SW	**Well Graded Sand:** 85% sand (fine to coarse grained), 10% fine gravel, 5% silt, brown, moist, loose
								19			CL	**Lean Clay:** 95% clay, 5% fine grained sand, dark grey, moist, medium stiff
					Moist	0.4		20				

Delta
Consultants, Inc.

Project No:	140256277	Client:	ELT
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA
Driller:	Gregg Drilling	Date Drilled:	12/30/2009
Drilling Method:	Direct Push	Hole Diameter:	2"
Sampling Method:	Sample Tube	Hole Depth:	32'
Casing Type:	-	Well Diameter:	-
Slot Size:	-	Well Depth:	-
Gravel Pack:	-	Casing Stickup:	-

Boring No: B-5

Location Map - See Site Map for Location

▽ = First Water

▼ = Static Groundwater

Elevation	Northing	Easting

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					Moist						CL	**Lean Clay:** 95% clay, 5% fine grained sand, dark grey, moist, medium stiff
								21				
								22			SP	**Poorly Graded Sand:** 95% fine grained sand, 5% silt,
					Dry			23			CL	brown, dry, loose **Lean Clay with Sand:** 75% clay, 25% coarse grained sand, light grey, moist, medium stiff
								24			ML	**Silt with Sand:** 85% silt, 15% fine grained sand,
					Moist	0.4		25				moist, loose
								26				
								27				
					▽	0.7		28				
								29			SW	**Well Graded Sand:** 95% fine grained sand, 5% silt, brown, wet, loose
								30				Not enough recovery for sample
								31				
								32				Boring terminated at 32 feet below ground surface.
								33				
								34				
								35				
								36				
								37				
								38				
								39				
								40				

Delta
Consultants, Inc.

Project No:	140256277	Client:	ELT
Logged By:	Ed Weyrens	Location:	15803 East 14th Street, San Leandro, CA
Driller:	Gregg Drilling	Date Drilled:	12/30/2009
Drilling Method:	Direct Push	Hole Diameter:	2"
Sampling Method:	Sample Tube	Hole Depth:	24'
Casing Type:	-	Well Diameter:	-
Slot Size:	-	Well Depth:	-
Gravel Pack:	-	Casing Stickup:	-

Boring No: B-7
Page 1 of 1

Location Map - See Site Map for Location

▽ = First Water

▼ = Static Groundwater

Elevation | Northing | Easting

Well Completion: Backfill	Well Completion: Casing	Well Completion: Backfill	Well Details	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
							Air Knife	1				4" asphalt
								1			SW-SM	**Well Graded Sand with Silt and Gravel:** 70% sand (40% fine, 30% medium, 30% coarse grained), 20% fine gravel, 10% silt, brown, moist, dense
								2				
								3				
								4				
								5				
					Moist	0.6		6			CL	**Lean Clay:** 95% clay, 5% fine grained sand, black, moist, medium stiff
								7				
								8			ML	**Silt with Sand:** 80% silt, 20% fine grained sand, olive green, dry, medium dense
								9			SW	**Well Graded Sand:** 85% fine to coarse grained sand,
											CL	10% fine gravel, 5% silt, brown, dry, loose
					Moist	6.0		10				**Lean Clay:** 95% clay, 5% fine grained sand, black, moist, medium stiff
								11				
								12				
								13				NO RECOVERY
								14				
								15				
								16				
								17				as above: with more moisture
								18				as above: turning grayish-brown in color
								19				
					Moist	0.2		20				
				▽				21			CL	**Sandy Lean Clay with Gravel:** 55% clay, 35% fine to coarse grained sand, 10% fine gravel, dark brown, wet, soft
								22			CL	**Lean Clay:** 95% clay, 5% fine grained sand interbedded, very light brown (almost white), wet, medium stiff
								23				
					Wet	0.3		24				as above: dry @ 24'
								25				Boring terminated at 24 feet below ground surface.

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Project No:	140256277	Client:	COP-ELT
Logged By:	ETW	Location:	15803 East 14th Street
Driller:	Gregg	Date Drilled:	4/5/2011
Drilling Method:	HSA	Hole Diameter:	8"
Sampling Method:	Direct Push	Hole Depth:	20'
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	19'
Gravel Pack:	#3	First Water Depth:	16'
		Static Water Depth:	10'

Boring/Well No: MW-7
Page 1 of 1

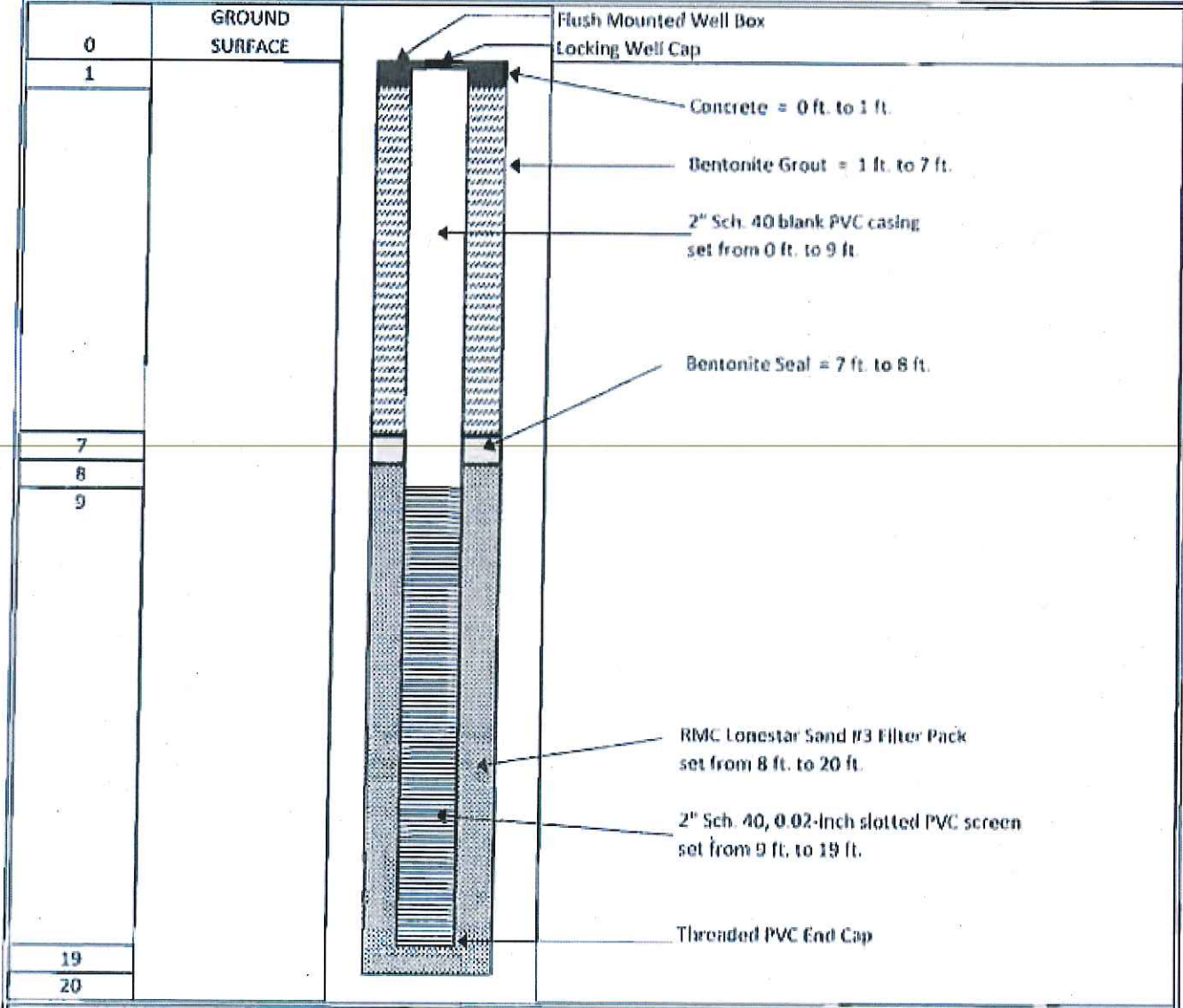
Location Map

Elevation: Northing: Easting:

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					0				**Asphalt** (4 inches thick)
									Class II AB
		dry			1			SM	**Silty Sand**; 65% sand, 30% silt, 5% gravel (large), light brown to dark brown, dry, sand is fine to coarse grain
					2				
					3				
					4				
					5	X			
					6	X			
						X			
		dry	1.4		7	X		ML	**Silt**; 95% silt, 5% fine sand, olive green, dry
					8	X			
						X			
		dry	7.4	MW-7d9	9	X	O	CL	**Clay**, 95% clay, 5% fine sand, olive green, dry
	▽				10	X			
					11	X			
					12	X			
					13	X			
					14	X			
					15	X			
						X			
	▼	wet	5.1	MW-7d16	16	X	O	SW	**Well graded sand w/ gravel**; 80% sand, 15% gravel, 5% silt, dark brown, wet, sand is fine to coarse grain, gravel is small
						X			
		wet			17	X		CL	**Clay**; 95% clay, 5% sand, dark brown, wet
					18	X			
						X			
		wet			19	X		ML	**Sandy silt**; 65% silt, 35% fine sand, pale grey, wet
			0.6	MW-7d20	20	X	O		TD = 20 feet bgs
					21				
					22				

Project Name and Location:
76 Service Station No. 6277
Site Address: 15803 East 14th Street
City, State: San Leandro, California

DEPTH (ft bgs)	MW-7 CONSTRUCTION DETAILS



Total Depth of boring at 20 feet below ground surface (bgs)

- Concrete
- Bentonite Grout
- Two inch diameter 0.02-inch Slotted PVC Screen
- Two inch diameter PVC well casing grouted in place
- RMC Lonestar Sand #3 Filter Pack
- Bentonite Chip Seal

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Project No:	I40256277	Client:	COP-ELT
Logged By:	ETW	Location:	15803 East 14th Street
Driller:	Gregg	Date Drilled:	4/5/2011
Drilling Method:	HSA	Hole Diameter:	8"
Sampling Method:	Direct Push	Hole Depth:	20'
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	20'
Gravel Pack:	#3	First Water Depth:	
		Static Water Depth:	10.20'
Elevation:		Northing:	Easting:

Boring/Well No: MW-8
Page 1 of 1

Location Map

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
									Asphalt (4 inches thick)
									Class II AB
		dry			1			ML	**Sandy silt**; 65% silt, 30% fine sand, 5% gravel (large), olive green to black, dry
					2				
					3				
					4				
					5	X			
					6	X			
					7	X			
		dry				X			
			8.1		8	X			
						X			
		moist	5.6	MW-8d9	9	X	O	CL	**Clay**, 95% clay, 5% fine sand, olive green, moist
	▽				10	X			
					11	X			
					12	X			
						X			
		moist	2.2	MW-8d13	13	X	O	SW	**Well graded sand w/ gravel**; 80% sand, 15% gravel, 5% clay, brown, moist, sand is medium to coarse, gravel is small
						X			
		moist	1.2		14	X		CL	**Clay**; 95% clay, 5% fine sand, light brown, moist
					15	X			
						X			
					16	X			
					17	X			
						X			
					18	X			
						X			
		moist			19	X		ML	**Silt w/ sand**; 85% silt, 15% fine sand, pale brown, moist
			0.3	MW-8d20	20	X	O		TD = 20 feet bgs
					21				
					22				

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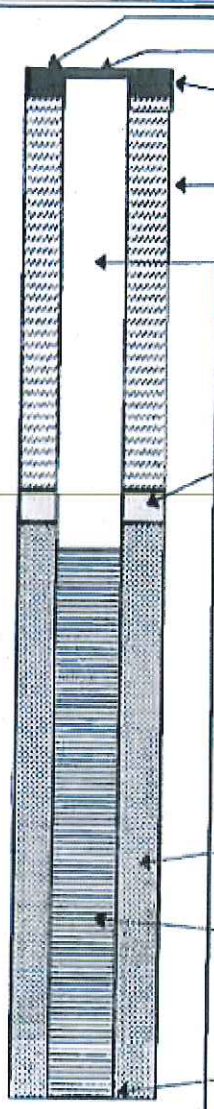
Project Name and Location:
76 Service Station No. 6277
Site Address: 15803 East 14th Street
City, State: San Leandro, California

DEPTH (ft bgs)	MW-8 CONSTRUCTION DETAILS
0	GROUND SURFACE
1	
7	
8	
9	
20	



Flush Mounted Well Box
Locking Well Cap
Concrete = 0 ft. to 1 ft.
Bentonite Grout = 1 ft. to 7 ft.
2" Sch. 40 blank PVC casing set from 0 ft. to 9 ft.
Bentonite Seal = 7 ft. to 8 ft.
RMC Lonestar Sand #3 Filter Pack set from 8 ft. to 20 ft.
2" Sch. 40, 0.02-inch slotted PVC screen set from 9 ft. to 20 ft.
Threaded PVC End Cap

Total Depth of Boring at 20 feet below ground surface (bgs)

- Concrete
- Bentonite Grout
- Two inch diameter 0.02-inch Slotted PVC Screen
- Two inch diameter PVC well casing grouted in place
- RMC Lonestar Sand #3 Filter Pack
- Bentonite Chip Seal

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Project No:	140256277	Client:	COP-ELT
Logged By:	ETW	Location:	15803 East 14th Street
Driller:	Gregg	Date Drilled:	4/5/2011
Drilling Method:	HSA	Hole Diameter:	8"
Sampling Method:	Direct Push	Hole Depth:	24
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	24'
Gravel Pack:	#3	First Water Depth:	22'
		Static Water Depth:	10.40'

Boring/Well No: MW-9
Page 1 of 2

Location Map

Elevation: Northing: Easting:

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
									Asphalt (4 inches thick)
									Class II AB
		dry			1			SW	**Well graded sand w/ gravel**; 75% sand, 25% gravel, brown, dry, sand is fine to coarse grain, gravel is small to large
					2				
					3				
					4				
					5	X			
						X			
		dry	0.3		6	X		ML	**Silt w/ sand**; 80% silt, 20% fine sand, grey, dry
					7	X			
						X			
		moist	0.8	MW-9d8	8	X	O	CL	**Clay**; 95% clay, 5% fine sand, dark brown, moist
					9	X			
						X			
	▽				10	X			
						X			
					11	X			
						X			
					12	X			
						X			
					13	X			Change color to brown
						X			
					14	X			
						X			
					15	X			
						X			
					16	X			
						X			
					17	X			
						X			
					18	X			
						X			
					19	X		CL	**Sandy lean clay**; 70% clay, 30% fine sand,
		moist	0.7	MW-9d20		X	O		pale brown, moist
					20	X			
						X			
					21	X			
						X			
	▼				22	X		SC	**Clayey sand**; 60% fine sand, 40% clay, brown, wet
		wet							

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Project No:	I40256277	Client:	COP-ELT
Logged By:	ETW	Location:	15803 East 14th Street
Driller:	Gregg	Date Drilled:	4/5/2011
Drilling Method:	HSA	Hole Diameter:	8"
Sampling Method:	Direct Push	Hole Depth:	24'
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	24'
Gravel Pack:	#3	First Water Depth:	22'
		Static Water Depth:	10.40'

Boring/Well No: MW-9
Page 2 of 2

Location Map

Elevation: | Northing: | Easting:

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
		wet	0.7	MW-9d24	23	X			**Clayey sand**; 60% fine sand, 40% clay, brown, wet
						X			
					24	X	O		TD = 24 feet bgs
					25				
					26				
					27				
					28				
					29				
					30				
					31				
					32				
					33				
					34				
					35				
					36				
					37				
					38				
					39				
					40				
					41				
					42				
					43				
					44				

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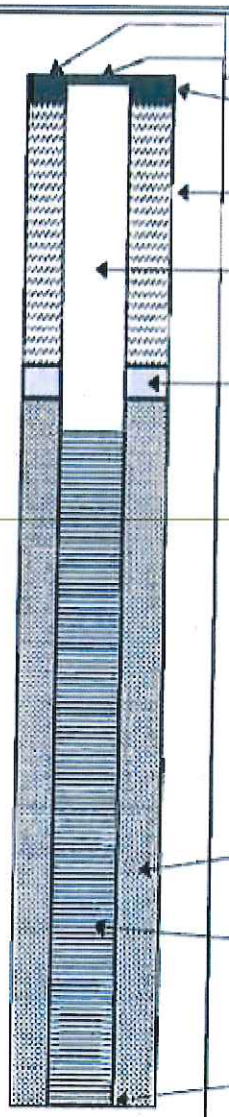
Project Name and Location:
76 Service Station No. 6277
Site Address: 15803 East 14th Street
City, State: San Leandro, California

DEPTH (ft bgs)	MW-9 CONSTRUCTION DETAILS

0 — GROUND SURFACE
1
7
8
9
24



Flush Mounted Well Box
Locking Well Cap
Concrete = 0 ft. to 1 ft.
Bentonite Grout = 1 ft. to 7 ft.
2" Sch. 40 blank PVC casing set from 0 ft. to 9 ft.
Bentonite Seal = 7 ft. to 8 ft.
RMC Lonestar Sand #3 Filter Pack set from 8 ft. to 24 ft.
2" Sch. 40, 0.02-inch slotted PVC screen set from 9 ft. to 24 ft.
Threaded PVC End Cap

Total Depth of boring at 24 feet below ground surface (bgs)

- Concrete
- Bentonite Grout
- Two inch diameter 0.02-inch Slotted PVC Screen
- Two inch diameter PVC well casing grouted in place
- RMC Lonestar Sand #3 Filter Pack
- Bentonite Chip Seal

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Project No:	140256277	Client:	COP-ELT
Logged By:	ETW	Location:	15803 East 14th Street
Driller:	Gregg	Date Drilled:	4/5/2011
Drilling Method:	HSA	Hole Diameter:	8"
Sampling Method:	Direct Push	Hole Depth:	20'
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	20'
Gravel Pack:	#3	First Water Depth:	
		Static Water Depth:	11.20'

Boring/Well No: MW-10
Page 1 of 1

Location Map

Elevation: Northing: Easting:

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (Feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
									Asphalt (4 inches thick)
									Class II AB
		dry			1			Fill	**Well graded gravel w/ sand**; 55% gravel, 45% sand, brown, dry, sand is fine to coarse grain, gravel is large, material is fill
					2				
					3				
					4				
					5	X			
						X			
		dry	5.7		6	X		CL	**Clay w/ sand**; 85% clay, 15% fine sand, black, dry
					7	X			
						X			
					8	X			
						X			
			0.7		9	X			Olive green
						X			
		moist	1	MW-10@10	10	X	0	CL	**Clay**; 95% clay, 5% fine sand, black, moist, strong odor
	▽					X			
					11	X			
						X			
					12	X			Dark brown
						X			
					13	X			
						X			
					14	X			
						X			
		moist	1.1	MW-10@15	15	X	0	SC	**Clayey sand**; 75% fine sand, 25% clay, light brown, moist
						X			
					16	X			
						X			
					17	X			
						X			
		moist			18	X		CL	**Clay**; 90% clay, 10% fine sand, brown, moist
						X			
					19	X			Dark brown
			0.9	MW-10@20		X	0		
					20	X			TD = 20 feet bgs
						X			
					21	X			
						X			
					22	X			
						X			

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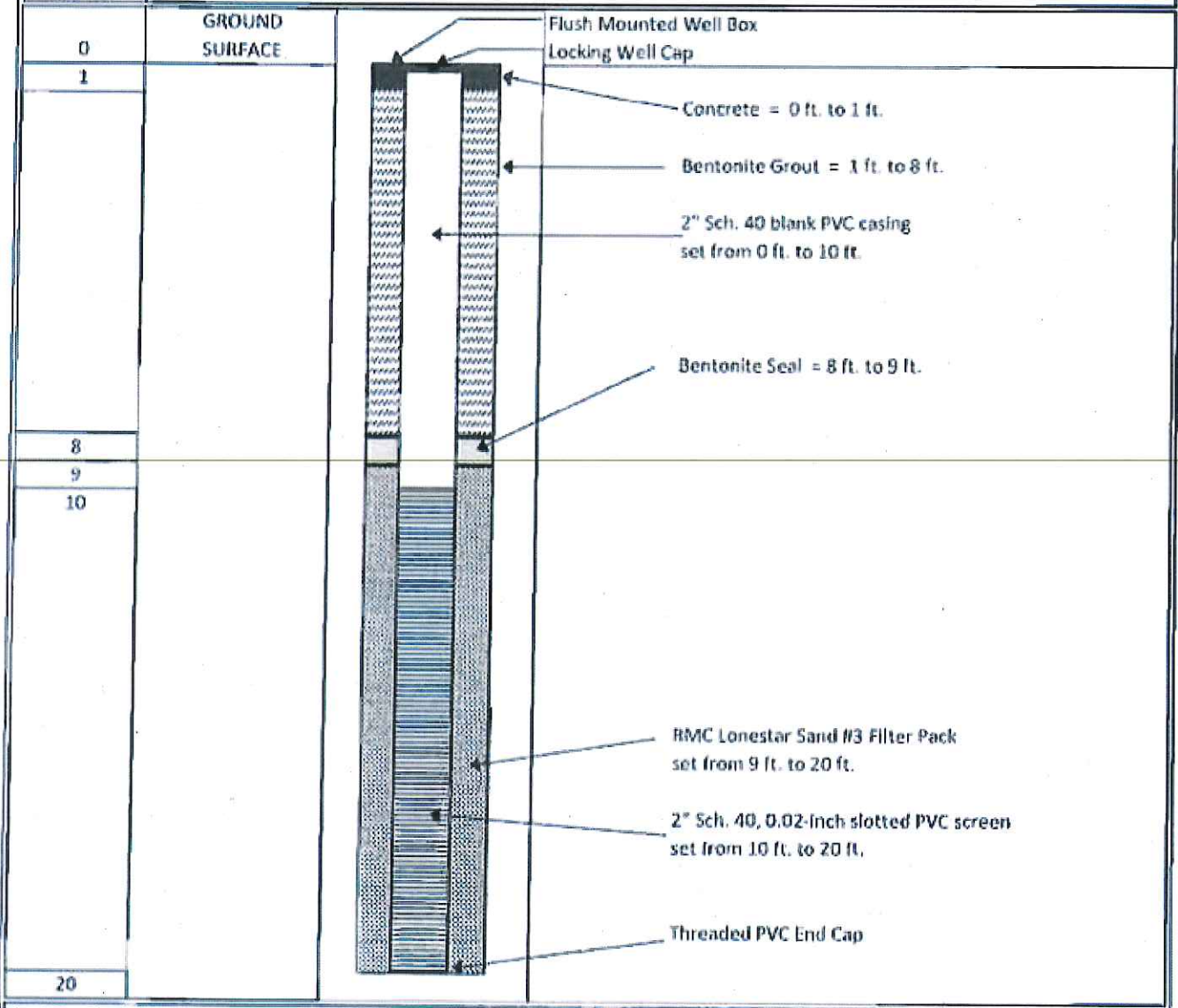
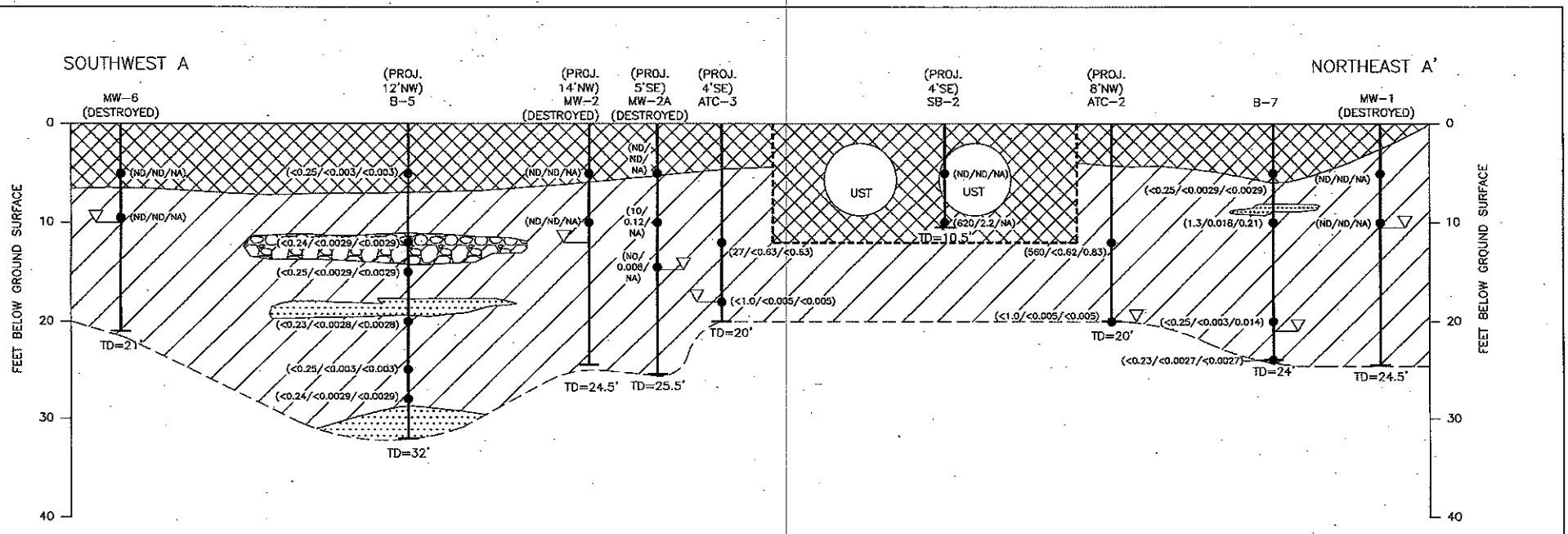
Project Name and Location:
76 Service Station No. 6277
Site Address: 15803 East 14th Street
City, State: San Leandro, California

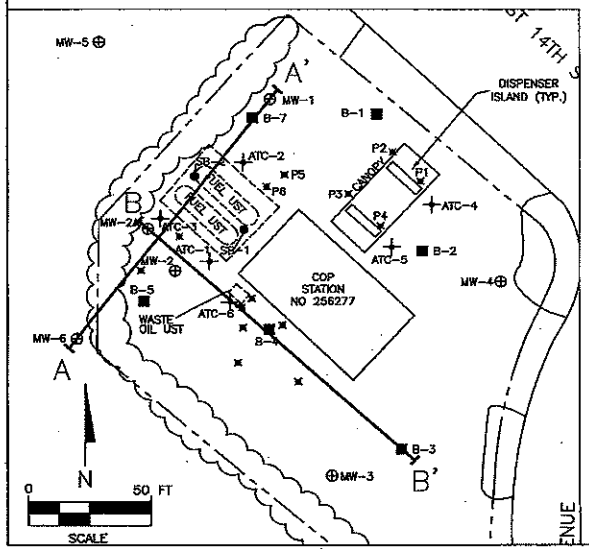
DEPTH (ft bgs)	MW-10 CONSTRUCTION DETAILS



Total Depth of Boring at 20 feet below ground surface (bgs)

- Concrete
- Bentonite Grout
- Two inch diameter 0.02-inch Slotted PVC Screen
- Two inch diameter PVC well casing grouted in place
- RMC Lonestar Sand #3 Filter Pack
- Bentonite Chip Seal





MW-2A
(ND/ND/NA)
TD=25.5'

LEGEND

- MONITORING WELL/BORING LOCATION
- EXPLORATORY BORING
- SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-G, BENZENE, MTBE (mg/kg)
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- TOTAL DEPTH
- FILL
- FINE GRAINED SILT AND/OR CLAY
- SAND
- SAND/GRAVEL
- APPROXIMATE STRATIGRAPHIC BOUNDARY

0 10
SCALE IN FEET
10

NOTES:

1) ND<0.25=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
NA=NOT ANALYZED
TPH-G=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE=METHYL-TERT-BUTYL ETHER
mg/kg=MILLIGRAMS PER KILOGRAM

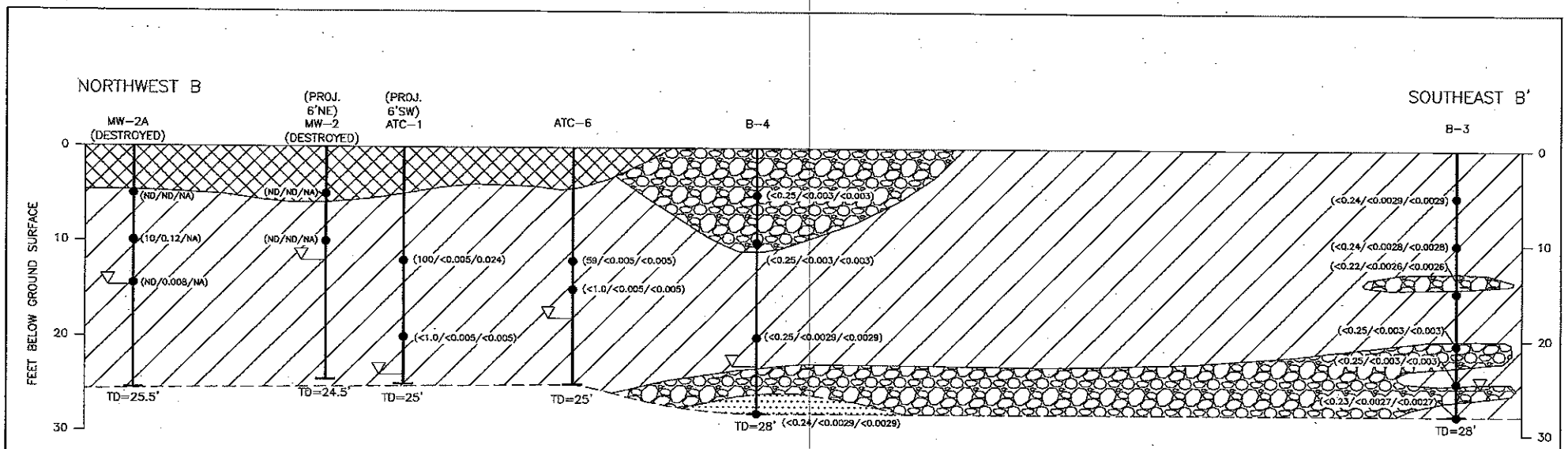
2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

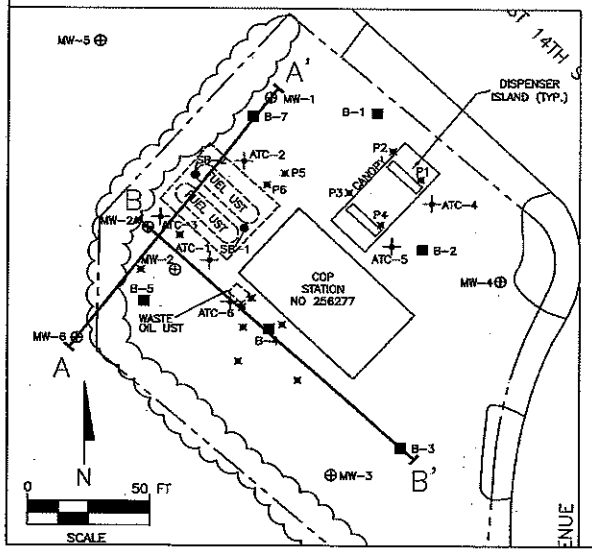
FIGURE 3
GEOLOGIC CROSS SECTION A – A'

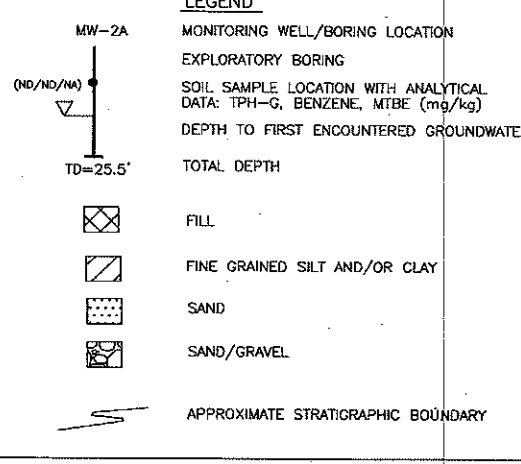
76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

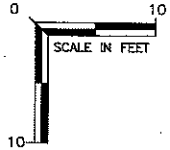
PROJECT NO.	PREPARED BY	DRAWN BY
14256277	SM	JH
DATE	REVIEWED BY	FILE NAME
03/15/10	DD	6277-SM

DELTA









NOTES:

1) ND<0.25=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
NA=NOT ANALYZED
TPH-G=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE=METHYL-TERT-BUTYL ETHER
mg/kg=MILLIGRAMS PER KILOGRAM

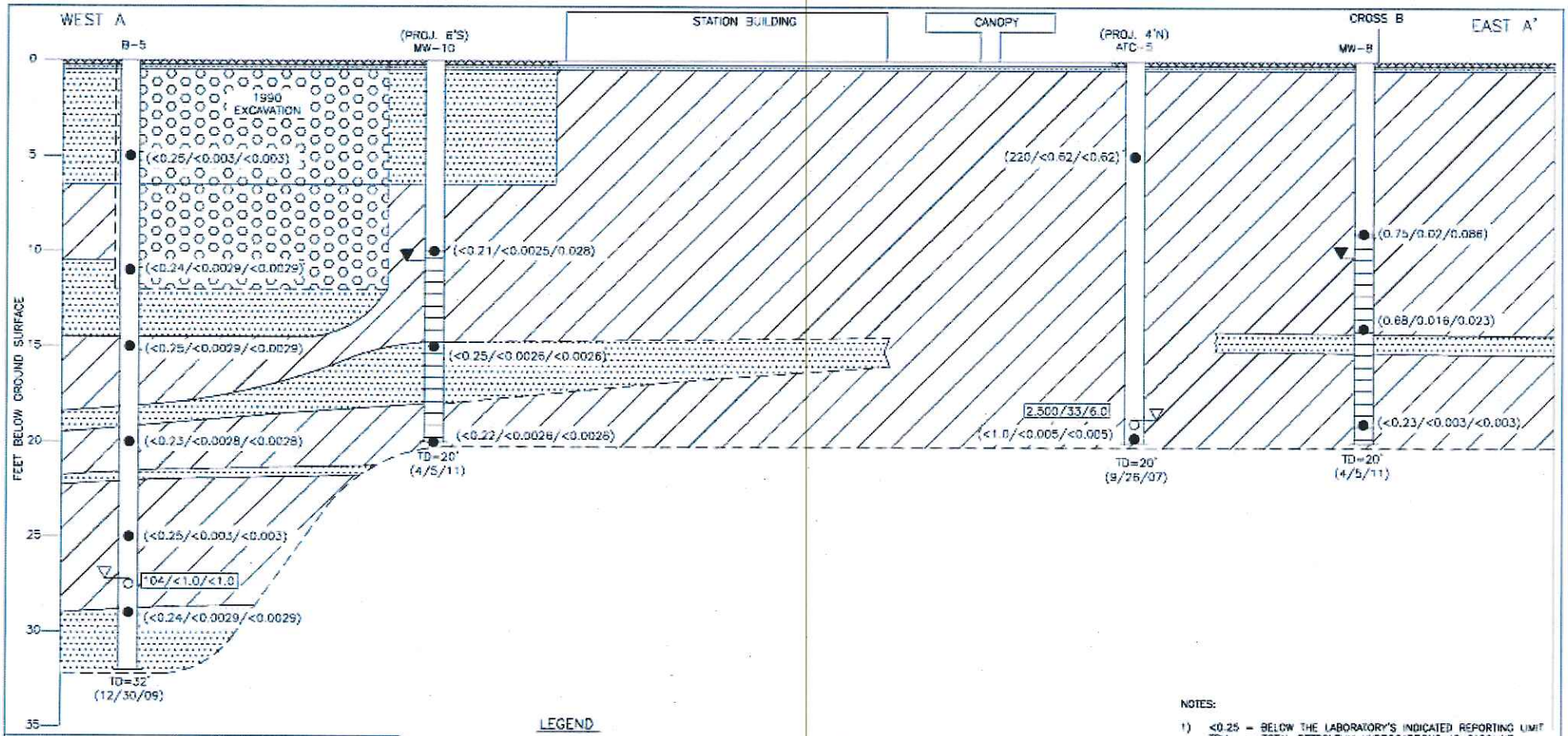
2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

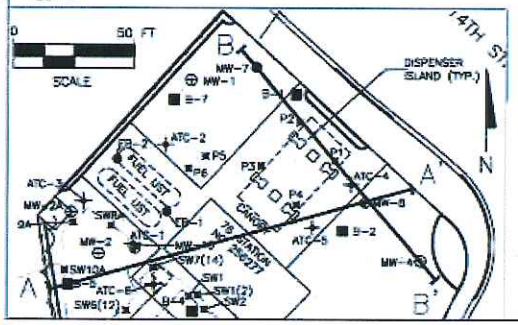
FIGURE 4
GEOLOGIC CROSS SECTION B-B'

76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
14256277	SM	JH
DATE	REVIEWED BY	FILE NAME
03/15/10	DD	6277-SM

DELTA





LEGEND

- MW-10 — MONITORING WELL/BORING LOCATION
- EXPLORATORY BORING/WELL CASING
- (<0.25/<0.0025 <0.0025) — SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, BENZENE, MTBE (mg/kg)
- DEPTH TO STATIC WATER LEVEL
- 104/<1.0/<1.0 — GRAB GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, BENZENE, MTBE (µg/L)
- WELL SCREEN
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- TD=20' (4/5/11) — TOTAL DEPTH DATE INSTALLED

- CONCRETE
- CLASS II AB
- SAND
- ASPHALT
- FILL
- FINE GRAINED MATERIAL (CLAY, SILT, ETC)
- APPROXIMATE STRATIGRAPHIC BOUNDARY

0 10
SCALE IN FEET
5

NOTES:

1) <0.25 = BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE = METHYL-TERT-BUTYL ETHER
mg/kg = MILLIGRAMS PER KILOGRAM
µg/L = MICROGRAMS PER LITER

2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

FIGURE 3
GEOLOGIC CROSS SECTION A - A'

76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
4256277	EW	JH
DATE	REVIEWED BY	FILE NAME
05/13/11	DC	6277-SMS

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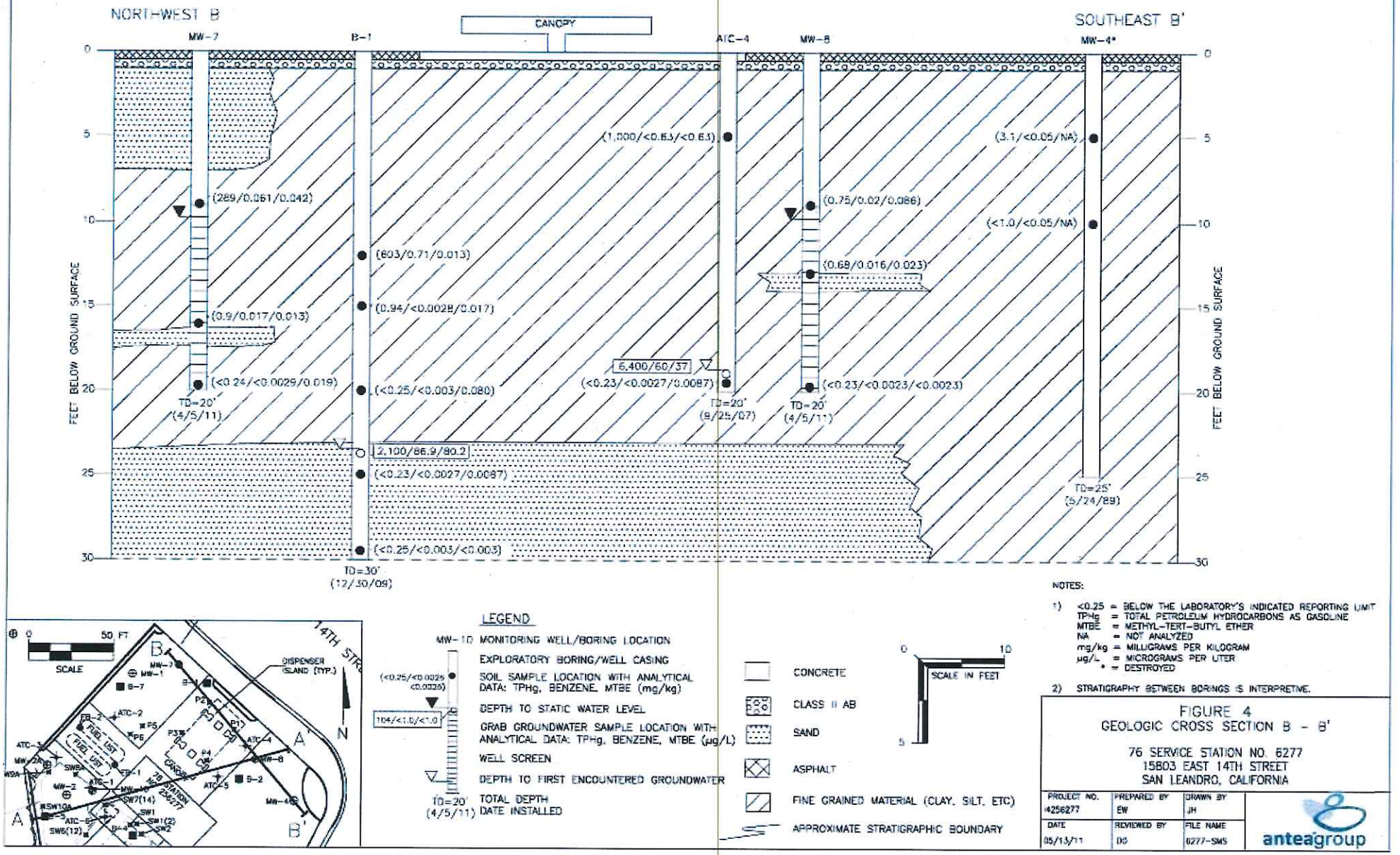

LEGEND

- MW-10 MONITORING WELL/BORING LOCATION
- EXPLORATORY BORING/WELL CASING
- (<0.25/<0.0026 <0.0026) SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, BENZENE, MTBE (mg/kg)
- DEPTH TO STATIC WATER LEVEL
- 104/<1.0/<1.0 GRAB GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPHg, BENZENE, MTBE (µg/L)
- WELL SCREEN
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- TD=20' (4/5/11) TOTAL DEPTH DATE INSTALLED

- CONCRETE
- CLASS II AB
- SAND
- ASPHALT
- FINE GRAINED MATERIAL (CLAY, SILT, ETC)
- APPROXIMATE STRATIGRAPHIC BOUNDARY

0 10
SCALE IN FEET
5

NOTES:

1) <0.25 = BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE = METHYL-TERT-BUTYL ETHER
NA = NOT ANALYZED
mg/kg = MILLIGRAMS PER KILOGRAM
µg/L = MICROGRAMS PER LITER
* = DESTROYED

2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

FIGURE 4
GEOLOGIC CROSS SECTION B - B'

76 SERVICE STATION NO. 6277
15803 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
#256277	EW	JH
DATE	REVIEWED BY	FILE NAME
05/13/11	DS	6277-SMS

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