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

February 28, 2012

Ed Ralston
ConocoPhillips
76 Broadway
Sacramento, CA 95818
(Sent via e-mail to: Ed.C.Ralston@conocophillips.com)

Todd Paradis
Safeway
1370 Oakland Blvd.
Walnut Creek, CA 94596
(Sent Via e-mail to: Todd.Paradis@safeway.com)

Andrew and Nila Coffin
Andrew J. and Nila J. Coffin Trust
1841 Glenhaven Avenue
Walnut Creek, CA 94595

Roya Kambin
Chevron
6101 Bollinger Canyon Rd.,
San Ramon, CA 94583 *(Sent via E-mail to: RKambin@chevron.com)*

Subject: Subject: Fuel Leak Case, Fuel Leak Case No. RO00000243 and Geotracker Global ID T0600102231, Unocal #0018, 6201 Claremont Avenue, Oakland, CA 94619

Dear Mr. Boyer:

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:

- Case closure for this fuel leak site is granted for the currently proposed construction configuration (as of 5/27/11) of a commercial shopping area with parking on the lower level. 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 require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

- If the currently proposed construction configuration changes or any construction/excavation activities encounter contamination that is indicative of higher residual concentrations than reported in this closure summary's after

columns of the Maximum Documented Contaminant Concentrations table, then ACEH must be immediately notified.

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

If you have any questions, please call Barbara Jakub at (510) 639-1287. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Division Chief

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

cc:
Leroy Griffin (w/enc via electronic mail:
lgriffin@oaklandnet.com)
Oakland, Fire Department

Barbara Jakub (w/ enc via e-mail), D. Drogos (w/ enc via e-mail), T. LeKhan (via e-mail and w/orig enc)
Geotracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
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OFFICE OF THE DIRECTOR
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ALAMEDA, CA 94502
(510) 567-6777
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REMEDIAL ACTION COMPLETION CERTIFICATION

February 28, 2012

Ed Ralston
ConocoPhillips
76 Broadway
Sacramento, CA 95818
Sent via e-mail to: Ed.C.Ralston@conocophillips.com

Roya Kambin
Chevron
6101 Bollinger Canyon Rd.
San Ramon, CA 94583
Sent via e-mail to: RKambin@chevron.com

Todd Paradis
Safeway
1370 Oakland Blvd.
Walnut Creek, CA 94596
Sent via e-mail to ToddParadis@safeway.com

Andrew and Nila Coffin
Andrew J. and Nila J. Coffin Trust
1841 Glenhaven Avenue
Walnut Creek, CA 94595

Subject: Case Closure for Fuel Leak Case No. RO00000243 and Geotracker Global ID T0600102231, Unocal #0018, 6201 Claremont Avenue, Oakland, CA 94619

Dear Mr. Bond and Mr. Wilson:

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

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 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

Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: October 13, 2011

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 639-1287
Responsible Staff Person: Barbara Jakub	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Unocal #0018		
Site Facility Address: 6201 Claremont Ave., Oakland, CA 94619		
RB Case No.: 01-2422	STID No.: 512	LOP Case No.: RO0000243
URF Filing Date: 3/23/1998	Geotracker ID: T0600102231	APN: 048A-7070-007-01

Responsible Parties	Addresses	Phone Numbers
Bill Borgh ConocoPhillips	76 Broadway Sacramento, CA 95818	916-558-7666
Andrew J. Coffin Trust	1841 Glenhaven Ave. Walnut Creek, CA 94595	510-655-9430
Todd Paradis, Safeway Inc.	1370 Oakland Blvd., Suite 200 Walnut Creek, CA 94596-8408	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	12,000	Gasoline	Removed	March 5, 1997
2	12,000	Gasoline	Removed	March 5, 1997
3	280	Waste Oil	Removed	March 5, 1997
4	4,000	R-76 Fuel	Removed	Not Reported
5	4,000	R-76 Fuel	Removed	Not Reported
6	5,000	7600 Fuel	Removed	Not Reported
7	20,000	Gasoline	Removed	April 6, 2011
8	15,000	Gasoline	Removed	April 6, 2011
Two Hoists	10 gall each	Hydraulic Oil	Removed	April 6, 2011
Piping			Assumed removed with USTs Removed with USTs	March 5, 1997 April 6 2011

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Line leak discovered on 11-19-1996, tank leak reported on 3/7/1997. No apparent holes or cracks were observed in the fuel tanks. However, three holes of approximately ¼-inch diameter were observed on the top of the waste-oil UST. 2011 UST removal – USTs appeared intact upon removal.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 11.69	Lowest Depth: 23.02	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: No water supply wells were identified within ¼-mile of the subject site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Harwood Creek ~ 1/8 mile to southeast
Off-Site Beneficial Use Impacts (Addresses/Locations): None.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and City of Oakland Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1-5,000 gal gas 2-4,000 gal gas 2-12,000 gal gas 1-280 gal W.O. 1-20,000 gal gas 1-15,000 gal gas	Removed/destination unknown Removed/destination unknown Disposed at unknown location Disposed at unknown location Disposed at US Ecology Richmond, CA	Unknown date Unknown date March 1997 March 1997 4/6/2011 4/6/2011
Piping	Unknown quantity	Assumed disposed with USTs	March 1997
Hoist	2- 10 gallon	Disposed at US Ecology Richmond, CA	4/6/2011
Free Product	None reported	----	----
Soil	500 tons 16 tons	Disposed – Forward Landfill Treated – Forward Landfill	March 1997 March 10, 1997
Groundwater	None reported	----	----
Oil/ Water Separator	2'x6'x3'	Disposed – Unknown location	September 1993

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

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	19	19	6,100	62
TPH (Diesel)	4.7	4.7	Not analyzed	Not analyzed
TPH (Motor Oil)	170	170	Not analyzed	Not analyzed
Oil and Grease	<1.0	<1.0	Not analyzed	Not analyzed
Benzene	0.018	0.018	54	<0.50
Toluene	0.1	0.1	38	<0.50
Ethylbenzene	0.056	0.056	300	<0.5
Xylenes	0.32	0.32	2500	<1.0
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	140^	68^^	Not analyzed	Not analyzed
MTBE	1.4*	1.4**	150***	14****
Other (8010/8270)	<0.5	<0.5	Not analyzed	Not analyzed

^ 1.2 ppm Cd; 68 ppm Cr; 39 ppm Pb; 61 ppm Ni; 140 ppm Zn

^^ 1.2 ppm Cd; 68 ppm Cr; 29 ppm Pb; 61 ppm Ni; 54 ppm Zn

* 1.4 ppm MTBE; and TBA, TAME, ETBE; DIPE, EtOH, EDB; and EDC all not analyzed

** 1.4 ppm MTBE; <0.005 ppm TBA; <0.05 ppm; <0.05 TAME; <0.005 ppm DIPE; <0.005 ppm ETBE; <0.005 ppm EDB and <0.005 ppm EDB. Ethanol not analyzed.

*** 150 ppb MTBE; 7.5 ppb TBA, <0.5 ppb TAME; <0.5 ppb ETBE; 0.5 ppb DIPE; <250 ppb EtOH ; <0.5 ppb EDB; and <0.5 ppb EDC

**** 14 ppb MTBE; <10 ppb TBA, <0.5 ppb TAME; <0.5ppb ETBE; 0<0.5 ppb DIPE; <250 ppb EtOH; <0.5 ppb EDB; and <0.5 ppb EDC

Site History and Description of Corrective Actions:

The site was used as a gasoline station from at least 1956 until November 2009 when Safeway purchased the property as part of their plans to expand the current store. The current plans include redeveloping the gas station to commercial shopping.

In 1993, an oil/water separator was removed. TPH as motor oil was the only petroleum hydrocarbon detected in soil samples UOW-1 and UOW-2 at a maximum concentration of 170 mg/kg.

In March 1997 one-280-gallon waste-oil tank, two 12,000-gallon gasoline USTs and product piping were removed. Overexcavation samples were collected – no initial samples were collected. Soil samples collected from the waste oil tank excavation were below the detection limit for petroleum hydrocarbons, VOCs and SVOCs. Soil Samples collected from the gasoline USTs and dispensers contained maximum concentrations of 2.6 mg/kg TPHg, 0.012 mg/kg benzene, and 1.4 mg/kg MTBE. A water sample obtained from 16 feet in the tank pit contained 6,100 µg/L TPHg, 54 µg/L benzene. No MTBE was detected.

On July 11, 2000, three wells were installed at the site. Soil boring samples from only MW-1 from 25 feet below grade indicated 19 mg/kg TPHg and 0.018 mg/kg benzene. No MTBE was detected in soil. The sample was collected in the saturated zone.

The September 12, 2008 Site Conceptual Model (SCM) identified three former USTs (one-5,000 and two-4,000 gallon). These were identified as one of the remaining data gaps and a subsequent work plan to investigate soil and groundwater in and around the former tanks was subsequently submitted.

October 26, 2009, three borings were advanced, two near the former USTs identified in the SCM and one offsite. The maximum soil concentrations were 18 ppm TPHg, 2.8 ppm TPHd, and 0.033 ppm MTBE. No BTEX was detected. One groundwater sample was obtained during the investigation from the off-site boring. No petroleum hydrocarbons or oxygenates were detected.

April 6, 2011, two gasoline USTs (one- 15,000 gallon and one 20,000-gallon) were removed by Complete Environmental Solutions and overseen by Tetra Tech and Oakland Fire Department. The only concentration of hydrocarbons detected in samples collected from the USTs, piping and dispensers was total petroleum hydrocarbons as diesel at a concentration of 1.3 mg/kg. However, Hydraulic oil and motor oil were detected in soil samples collected from beneath the hoists at maximum concentrations of 32 mg/kg for each of these constituents at 8 feet below grade.

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, it does not appear that the release would present a risk to human health based upon current land use and conditions.
Site Management Requirements: • Case closure for this fuel leak site is granted for the currently proposed construction configuration (as of 5/27/11) of a commercial shopping area with parking on the lower level. 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 require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. • If the currently proposed construction configuration changes or any construction/excavation activities encounter contamination that is indicative of higher residual concentrations than reported in this closure summary's after columns of the Maximum Documented Contaminant Concentrations table, then ACEH must be immediately notified. • This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.
Should corrective action be reviewed if land use changes? Yes

Was a deed restriction or deed notification filed? No		Date Recorded: ----
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

- Three USTs installed between the 1950s and 1960s were removed at an unknown date.
- Disposal destinations of the removed USTs, piping and oil/water separator in 1997 not reported.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment under the current commercial land use 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 any residential or other conservative land use scenario occurs at the site. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Barbara Jakub, P.G.	Title: Hazardous Materials Specialist
Signature: Barbara J	Date: 9/30/11
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 10/14/11

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

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 10/13/11	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 11/21/11	Date of Well Decommissioning Report: 2/27/12	
All Monitoring Wells Decommissioned: Yes No	Number Decommissioned: 3	Number Retained: 0
Reason Wells Retained: — —		
Additional requirements for submittal of groundwater data from retained wells: NONE		
ACEH Concurrence - Signature: Barbara J Jakub		Date: 2/28/12

Attachments:

1. Site Vicinity Map (pp1)
2. Site Plans (6pp)
3. Soil Analytical Data (9pp)
4. Groundwater Analytical Data (10pp)
5. Boring Logs (9pp)
6. Cross Sections (2pp)

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.

Jakub, Barbara, Env. Health

From: Cherie MCcaulou [CMccaulou@waterboards.ca.gov]
Sent: Thursday, October 27, 2011 1:54 PM
To: Jakub, Barbara, Env. Health
Subject: Re: Closure Summary for RO243,

Barbara - The Regional Water Board has no objection to the ACEH's recommendation for case closure for 6201 Claremont Ave. in Oakland. Thank you for the notification. Have a good day.

Sincerely,

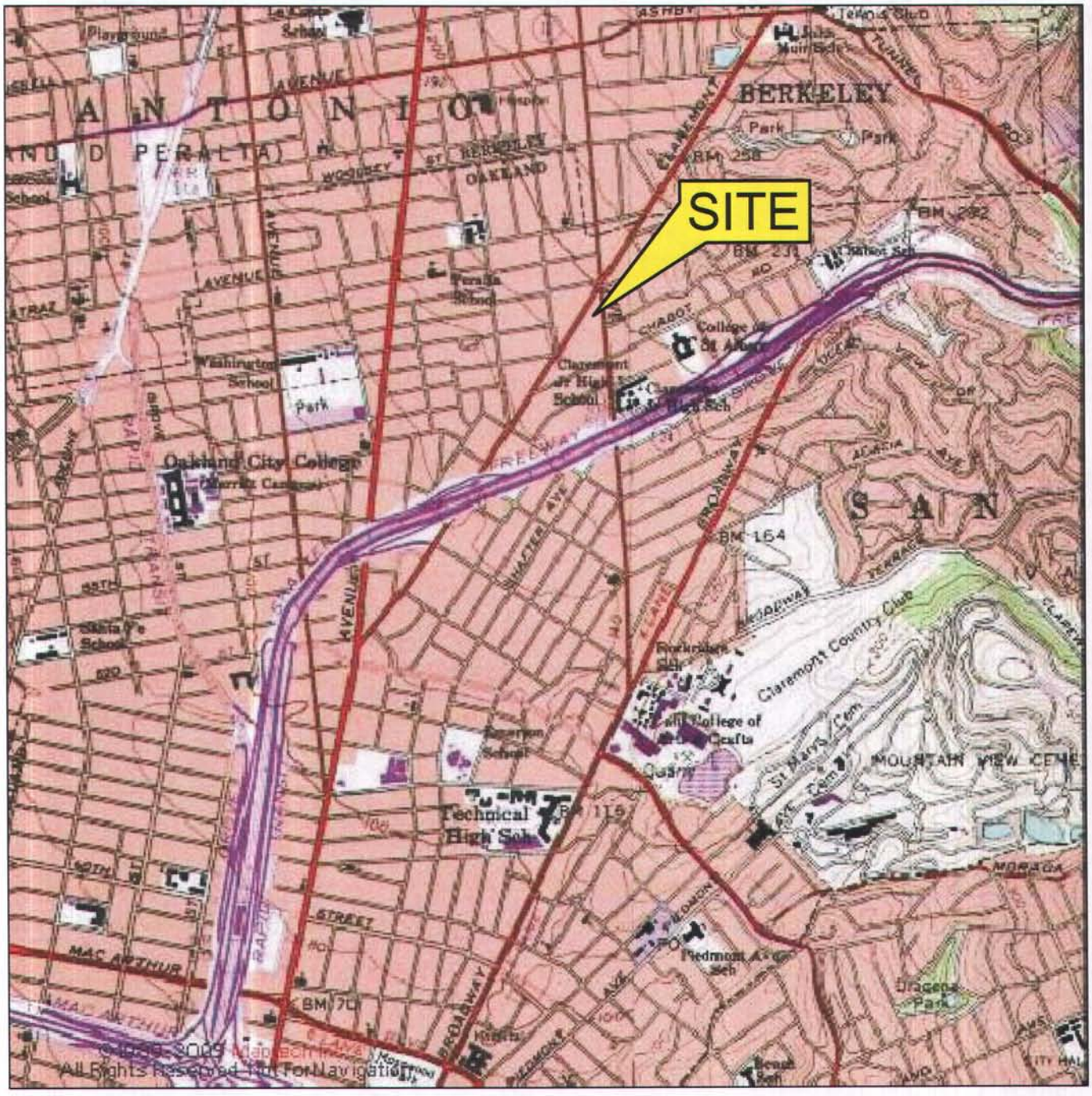
Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
cmccaulou@waterboards.ca.gov
510-622-2342

>>> "Jakub, Barbara, Env. Health" <barbara.jakub@acgov.org> 10/26/2011 9:12 AM >>>
Hi Cherie,
Attached is a closure summary for RO243; Unocal #0018 located at 6201 Claremont Avenue., Oakland to comply with the RWQCB's 30-day review period. If no comments from the RWQCB are received within the 30-day review period, ACEH will proceed with case closure.
Please contact me if you have any comments or questions about the subject site.
Regards,

Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Pky.
Alameda, CA 94502
Direct: 510-639-1287
Fax: 510-337-9335

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm



North

0 900 1800 FT

SCALE

FIGURE 1

SITE LOCATION MAP

76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

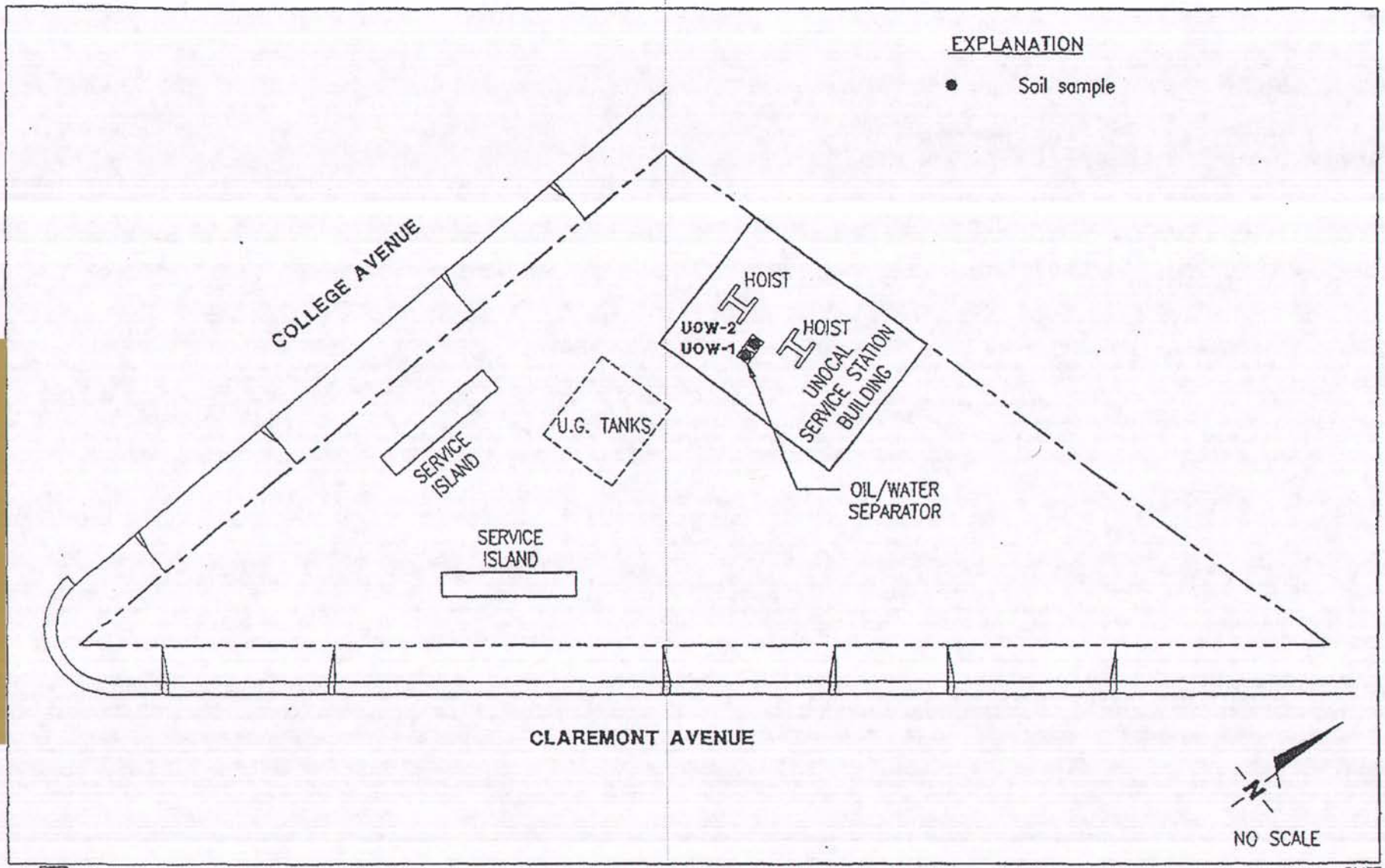
PROJECT NO. C105406	DRAWN BY JH 04/04/08
FILE NO. 5406-SiteLocator	PREPARED BY JW
REVISION NO.	REVIEWED BY JW

DELTA

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, BERKELEY QUADRANGLE (1978)

ATTACHMENT 1

ATTACHMENT 2

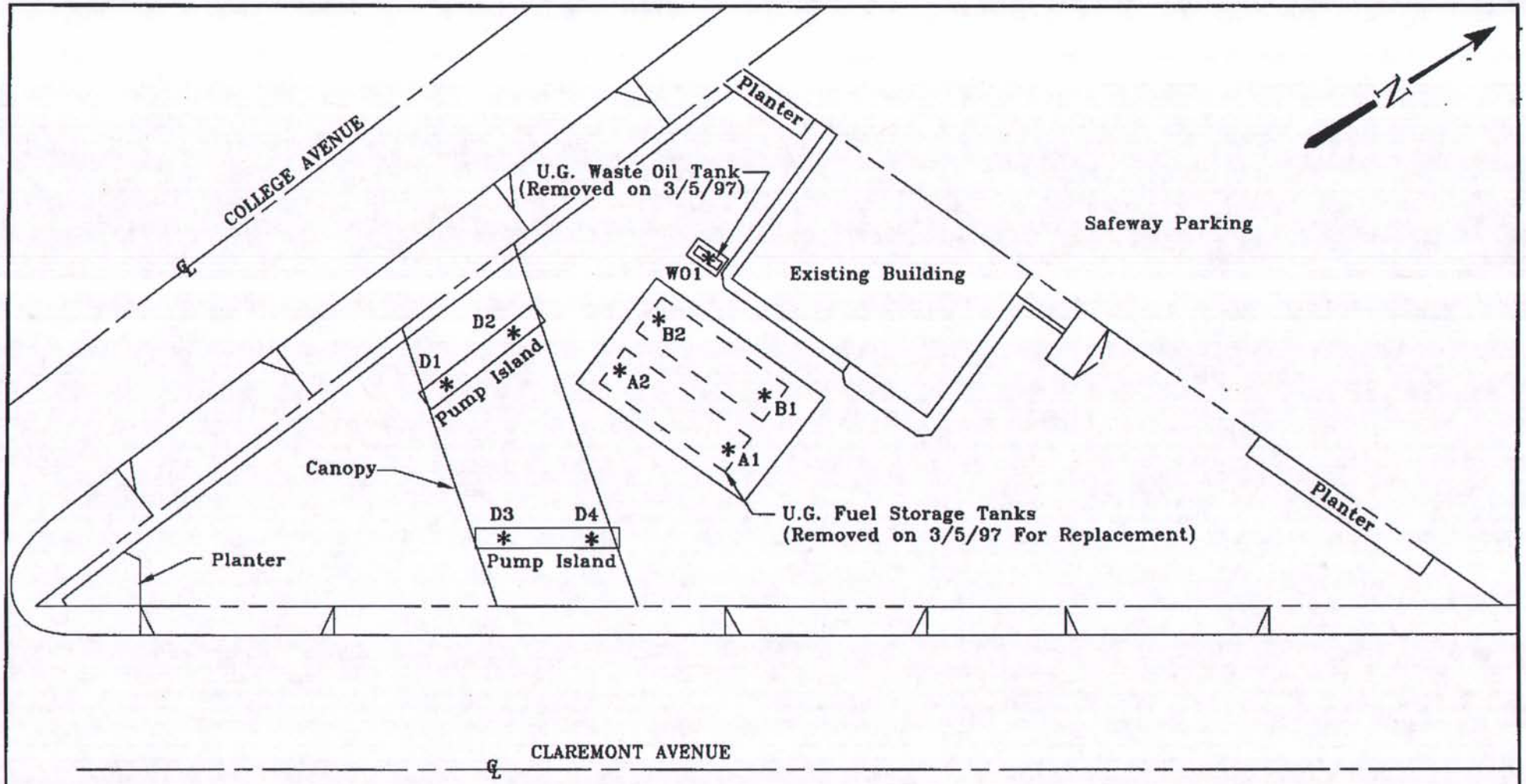


GeoStrategies Inc.

OIL/WATER SEPARATOR SAMPLING PLAN
UNOCAL Service Station #0018
6201 Claremont Avenue
Oakland, California

PLATE 2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
412102-1		8/93	



LEGEND

* Soil sample point location

0 30 60

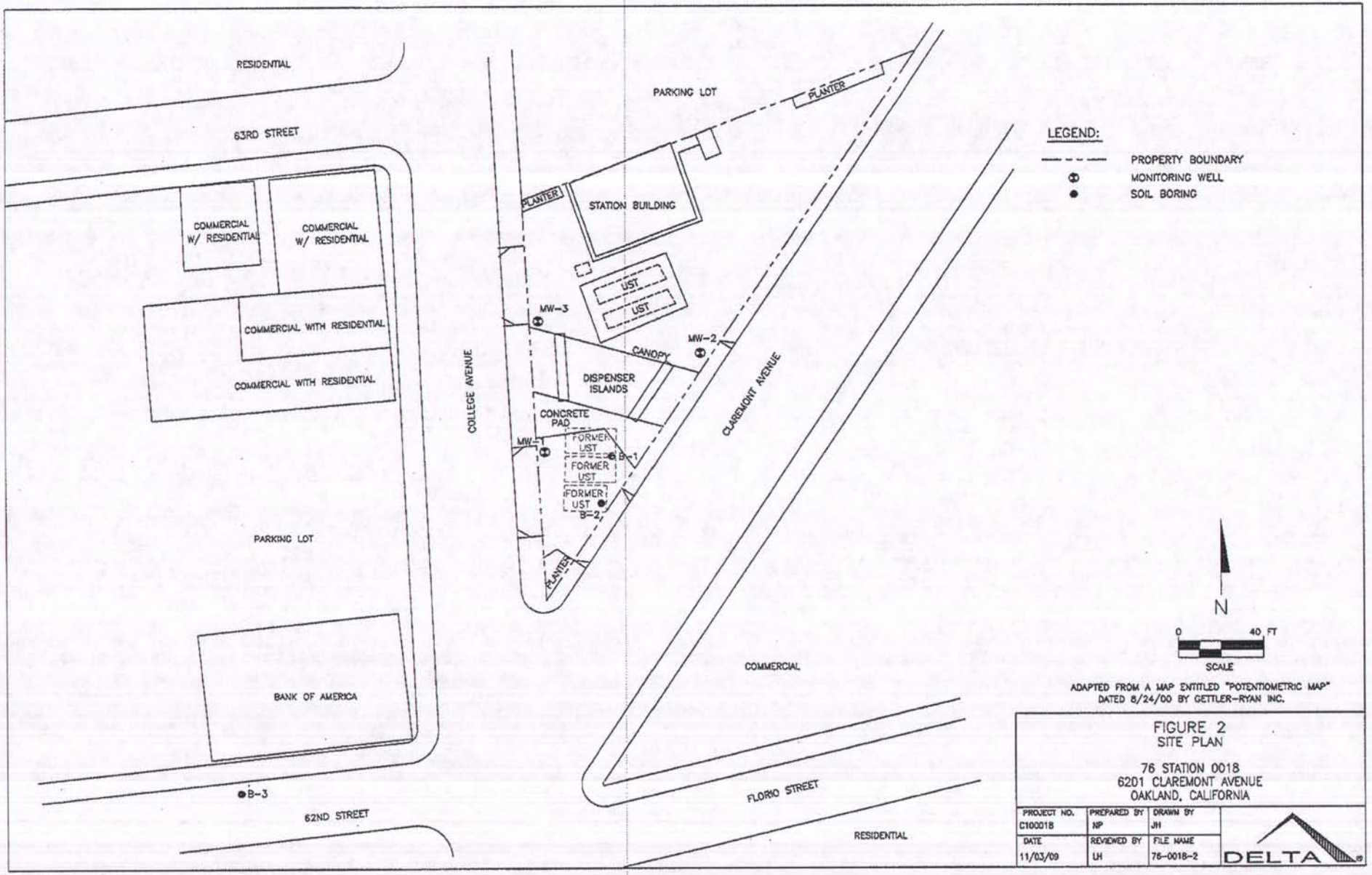
APPROX. SCALE FEET

SOIL SAMPLE POINT LOCATION MAP

KAPREALIAN ENGINEERING
INCORPORATED

76 PRODUCTS S/S #0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

FIGURE
1



ADAPTED FROM A MAP ENTITLED "POTENTIOMETRIC MAP" DATED 8/24/00 BY GETTLER-RYAN INC.

FIGURE 2
SITE PLAN

76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C100018	NP	JH
DATE	REVIEWED BY	FILE NAME
11/03/09	LH	76-0018-2

DELTA

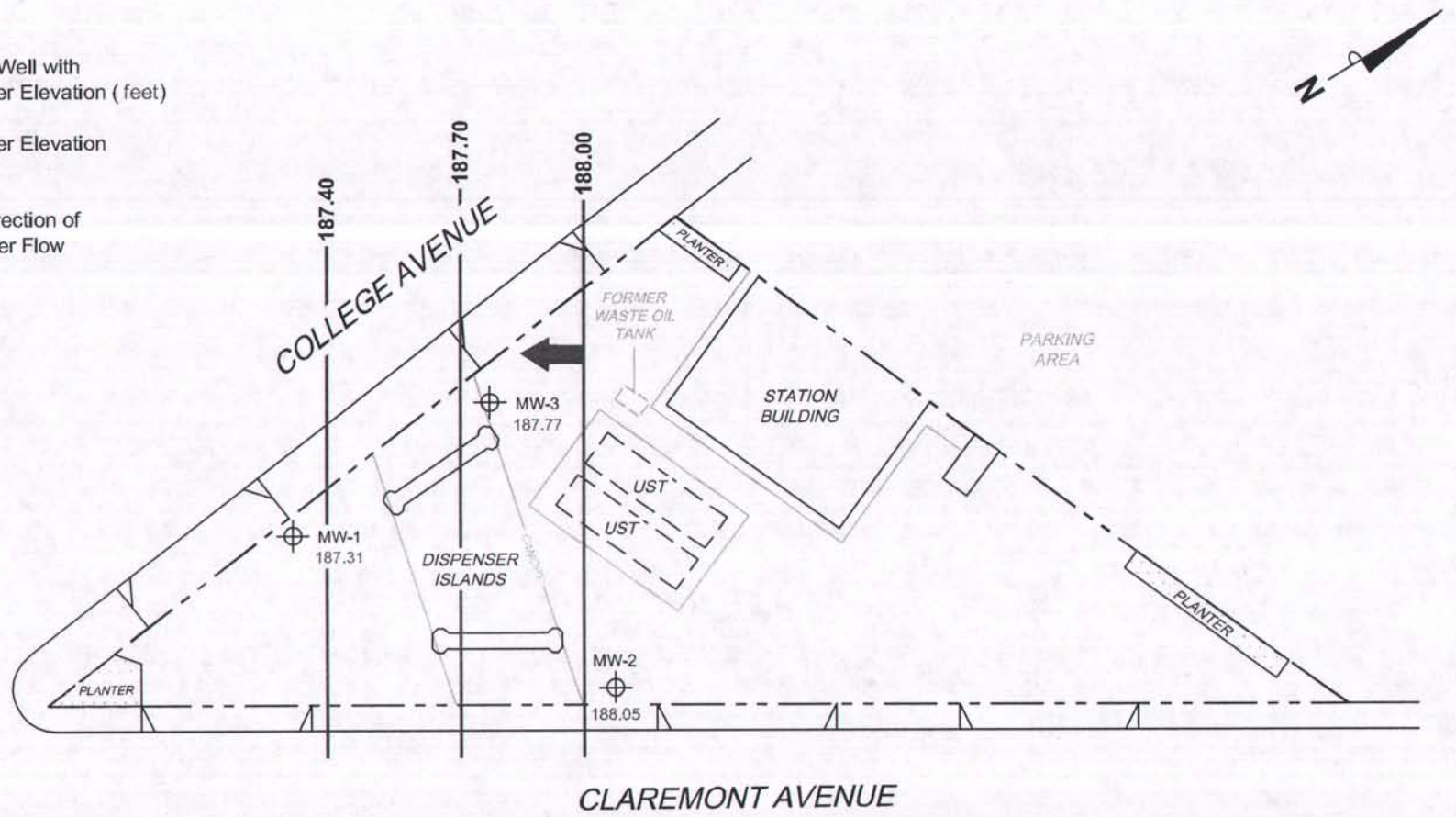
MS=1:40 0018-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0018+\0018-QMS-(NEW).DWG Oct 20, 2009 - 7:15am aakers

LEGEND

MW-3 ⊕ Monitoring Well with Groundwater Elevation (feet)

188.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow



SCALE (FEET)

0 40

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

TRC

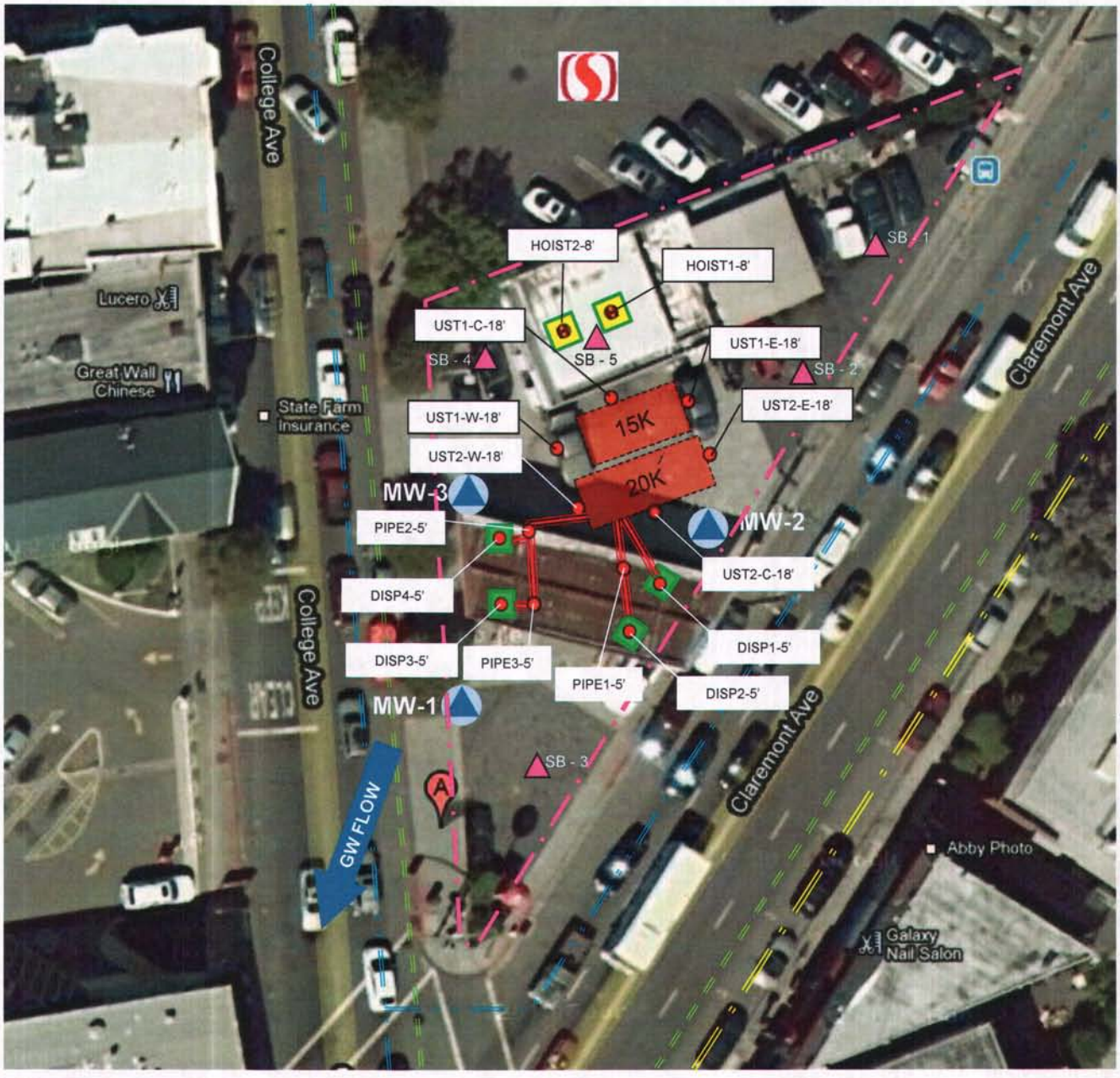
PROJECT: 165521

FACILITY:
76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
September 30, 2009

FIGURE 2

P:\PROJECTS\Safeway\117-4704104.01 (Claremont UST Pull)\Figure.ppt



SOURCE: Google Maps

- Storm/Sewer Line
- Natural Gas Line
- Water Line
- Soil Boring (Dec 2007)
- Former UST (removed April 6, 2011, concrete tie-down pad left in place)
- Former Hydraulic Hoist (removed April 6, 2011)
- Former Pump Dispenser Location (removed by Others)
- Conveyance Pipe Location (removed April 13, 2011)
- Existing Monitoring Well (DTW – 22 feet)
- Temporary Fencing
- UST1-W-18' Confirmation soil sample (UST samples collected post-backfill with GeoProbe drill rig due to excavation sidewall instability at time of tank removal)

N

0 20 40

SCALE IN FEET

TITLE: Confirmation Soil Samples – USTs, Piping and Hoists

LOCATION: 6201 Claremont Avenue, Oakland, California

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	TC
DRAFTED	KH
FILE	117-4704104.01
DATE	04-19-11

FIGURE: 1

TABLE 1

SOIL CHEMICAL ANALYTICAL RESULTS
(Oil-Water Separator Samples)

SAMPLE I.D.	SAMPLE DATE	SAMPLE DEPTH	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)	TPH-MOTOR OIL (PPM)	O&G (PPM)	As (PPM)	Ba (PPM)	Cd (PPM)	Cr (PPM)	Co (PPM)	Cu (PPM)	Pb (PPM)	Hg (PPM)	Ni (PPM)	Zn (PPM)
UOW-1	16-Jun-93	3	<.50	<.0050	<.0050	<.0050	<.0050	<10	170	<50	8.6	150	1.2	52	15	21	7.0	<.5	50	48
UOW-2	16-Jun-93	3	<.50	<.0050	<.0050	<.0050	<.0050	<10	22	<50	9.3	140	1.2	52	13	20	6.2	<.5	45	44

PPM - Parts Per Million
TPH-G - Total Petroleum Hydrocarbons calculated as Gasoline.
TPH-D - Total Petroleum Hydrocarbons calculated as Diesel.
TPH-Motor Oil - Total Petroleum Hydrocarbons calculated as Motor Oil.

ATTACHMENT 3

412102-1

KEI-J97-0301.R1
April 17, 1997

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	TOG
3/05/97	WO1	8	ND	ND	ND	ND	ND	ND	ND

EPA Method 8010 Constituents (µg/kg)	EPA Method 8270 Constituents (µg/kg)	Cadmium	Chromium	Lead	Nickel	Zinc
ND	ND	ND	33	3.7	38	45

Date	Sample	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
3/07/97	A1	16	ND	ND	ND	ND	ND	ND
	A2	16	2.6	ND	0.011	0.017	0.044	ND
	B1	16	ND	ND	ND	ND	ND	ND
	B2	16	ND	ND	ND	ND	0.0051	ND
	D1	2	1.4	0.012	0.10	0.030	0.32	1.4
	D2	2	ND	ND	ND	ND	ND	ND
	D3	2	ND	ND	ND	ND	ND	ND
	D4	2	ND	ND	ND	ND	ND	ND

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Unocal #0018, 6201 Claremont Ave., Oakland	Sampled:	Mar 5, 1997
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil, WO1	Received:	Mar 5, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8010	Analyzed:	Mar 10, 1997
Attention: Dennis Royce	Lab Number:	703-0309	Reported:	Mar 13, 1997

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

7030309.KEI <4>

Sequoia Analytical

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404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Unocal #0018, 6201 Claremont Ave., Oakland	Sampled:	Feb 4, 1900
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil, WO1	Received:	Mar 5, 1997
Concord, CA 94520	Analysis Method:	EPA 8270	Extracted:	Mar 7, 1997
Attention: Dennis Royce	Lab Number:	703-0309	Analyzed:	Mar 12, 1997

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	100	N.D.
Acenaphthylene	100	N.D.
Aniline	100	N.D.
Anthracene	100	N.D.
Benzidine	2,500	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	100	N.D.
Benzo(b)fluoranthene	100	N.D.
Benzo(k)fluoranthene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.
Benzo(a)pyrene	100	N.D.
Benzyl alcohol	100	N.D.
Bis(2-chloroethoxy)methane	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	100	N.D.
Butyl benzyl phthalate	100	N.D.
4-Chloroaniline	100	N.D.
2-Chloronaphthalene	100	N.D.
4-Chloro-3-methylphenol	100	N.D.
2-Chlorophenol	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.
Chrysene	100	N.D.
Dibenz(a,h)anthracene	100	N.D.
Dibenzofuran	100	N.D.
Di-N-butyl phthalate	500	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	100	N.D.
Diethyl phthalate	100	N.D.
2,4-Dimethylphenol	100	N.D.
Dimethyl phthalate	100	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	100	N.D.
2,6-Dinitrotoluene	100	N.D.
Di-N-octyl phthalate	100	N.D.

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Kaprealian Engineering, Inc.	Client Project ID:	Unocal #0018, 6201 Claremont Ave., Oakland	Sampled:	Feb 4, 1900
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil, WO1	Received:	Mar 5, 1997
Concord, CA 94520	Analysis Method:	EPA 8270	Extracted:	Mar 7, 1997
Attention: Dennis Royce	Lab Number:	703-0309	Analyzed:	Mar 12, 1997
			Reported:	Mar 13, 1997

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Fluoranthene	100	N.D.
Fluorene	100	N.D.
Hexachlorobenzene	100	N.D.
Hexachlorobutadiene	100	N.D.
Hexachlorocyclopentadiene	100	N.D.
Hexachloroethane	100	N.D.
Indeno(1,2,3-cd)pyrene	100	N.D.
Isophorone	100	N.D.
2-Methylnaphthalene	100	N.D.
2-Methylphenol	100	N.D.
4-Methylphenol	100	N.D.
Naphthalene	100	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	100	N.D.
2-Nitrophenol	100	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodimethylamine	100	N.D.
N-Nitrosodiphenylamine	100	N.D.
N-Nitroso-di-N-propylamine	100	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	100	N.D.
Phenol	100	N.D.
Pyrene	100	N.D.
1,2,4-Trichlorobenzene	100	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

7030309.KEI <6>

Sequoia Analytical

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Kaprealian Engineering, Inc.	Client Project ID:	Unocal #0018, 6201 Claremont Ave., Oakland	Sampled:	Mar 5, 1997
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil, WO1	Received:	Mar 5, 1997
Concord, CA 94520			Digested:	Mar 6, 1997
Attention: Dennis Royce	Lab Number:	703-0309	Analyzed:	Mar 10, 1997
			Reported:	Mar 13, 1997

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Cadmium	0.50	N.D.
Chromium	0.50	33
Lead	1.0	3.7
Nickel	1.0	38
Zinc	1.0	45

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

TABLE 3 - SOIL CHEMICAL ANALYTICAL DATA

Tosco (76) Service Station No. 0018
6201 Claremont Avenue
Oakland, California

Sample No.	Sample Depth (feet)	Date Collected	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
MW-1-15	15	7/11/00	ND	ND	ND	ND	ND	ND	NA
MW-1-25.5	25.5	7/11/00	19[1]	0.018	0.035	0.056	0.12	ND	NA
MW-2-16	16	7/11/00	ND	ND	ND	ND	ND	ND	NA
MW-2-20.5	20.5	7/11/00	ND	ND	ND	ND	ND	ND	NA
MW-3-18	18	7/11/00	ND	ND	ND	ND	ND	ND	NA
Stockpile SP-1 (A-D)	--	7/11/00	ND	ND	ND	ND	0.020	ND	7.0

EXPLANATION:

ppm = parts per million
ND = not detected
NA = not analyzed
-- = not applicable

ANALYTICAL LABORATORY:

Sequoia Analytical Walnut Creek (ELAP #1271)
(see laboratory reports for detection limits)

ANALYTICAL METHODS:

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015 Modified
Benzene, Toluene, Ethylbenzene, and Total Xylenes according to EPA Method 8020
MTBE = Methyl tertiary butyl ether according to EPA Method 8020
Total Lead according to EPA Method 6010

[1] = Chromatogram Pattern: Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12

Table 1
Soil Analytical Data

76 Service Station No. 0018
6021 Claremont Ave, Oakland, CA

			Sorbed Phase Hydrocarbon Concentrations (mg/kg)													
Sample Name	Date	Depth	TPH-G	TPH-D	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	1,2 DCA	1,2 DBA	TBA	DIPE	ETBE	TAME	Total Lead
B-1	10/26/2009	10	ND<0.2	**2.4**	ND<0.005	ND<0.005	ND<0.005	ND<.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	NA	NA	NA	NA
B-1	10/26/2009	21.5	**8.9**	**2.8**	ND<0.005	ND<0.005	ND<0.005	ND<0.01	**0.009**	ND<0.005	ND<0.005	ND<0.05	NA	NA	NA	NA
B-2	10/26/2009	10	ND<0.2	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	NA	NA	NA	NA
B-2	10/26/2009	20	**18**	**2**	ND<0.05	ND<0.05	ND<0.05	ND<0.1	ND<0.05	ND<0.05	ND<0.05	ND<0.5	NA	NA	NA	NA
B-2	10/26/2009	26	**2**	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	**0.033**	ND<0.005	ND<0.005	ND<0.05	NA	NA	NA	NA
B-3	10/26/2009	20	ND<0.2	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	NA	ND<0.005	ND<0.005	ND<0.005	NA
COMP ABCD	10/26/2009	NA	ND<0.2	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<0.005	ND<0.005	**5.4**
ESL			83	83	0.044	2.9	2.3	2.3	0.023	0.0045	0.00033	0.075	NA	NA	NA	200

Notes:
mg/kg - milligrams per kilogram
ND - Not detected above laboratory detection limits
TPH-G - Total Petroleum Hydrocarbons - Gasoline
MTBE - Methyl tert-butyl ether
TBA - Tert-butyl alcohol
ESL -Environmental Screening Level - Based on Residential Shallow Soil and Groundwater as a Potential Drinking Water Resource

TABLE 1

Analytical Results Summary - Soil
Claremont 76 Station
6201 Claremont Avenue
Oakland, California

		TPHg EPA 8015B (mg/kg)	TPHd,o,ho EPA 8015B w/SGT (mg/kg)			LUFT 5 Metals EPA 6010 (mg/kg)					PCBs EPA 8082 (mg/kg)	VOCs & Fuel Oxegenates EPA 8260 low level (µg/kg)						
Sample ID	Date	Gasoline	Diesel	Motor Oil	Hydraulic Oil	Cadmium	Chromium	Lead	Nickel	Zinc	7 Aroclors	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Styrene	Methyelene Chloride
HOIST1-8'	4/6/2011	---	4.7 (1)	32 (1)	32 (1)	< 1.5	45	29	43	47	< 0.05	---	---	---	---	---	---	---
HOIST2-8'	4/6/2011	---	1.2 (1)	11 (1)	11 (1)	< 1.5	68	7.4	61	54	< 0.05	---	---	---	---	---	---	---
STOCKPILE-OB-1	4/6/2011	< 1.0	2.5	13	---	< 1.5	55	37	51	140	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	14
STOCKPILE-OB-2	4/6/2011	< 1.0	9.5	54	---	< 1.5	57	39	54	100	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12	25
DISP1-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	48	< 5.0	47	71	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DISP2-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	66	29	75	71	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DISP3-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	51	7.3	48	64	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DISP4-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	46	< 5.0	48	63	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
PIPE-1-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	52	6.7	43	61	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
PIPE-2-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	50	5.5	47	64	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
PIPE-3-5'	4/13/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	53	5.7	53	60	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
UST1-E-18'	4/14/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	51	5.8	55	63	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
UST1-C-18'	4/14/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	54	6.8	65	60	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
UST1-W-18'	4/14/2011	< 1.0	1.3	< 5.0	---	< 1.5	58	9	62	65	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
UST2-E-18'	4/14/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	53	6.8	58	61	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
UST2-C-18'	4/14/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	46	6	49	55	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
UST2-W-18'	4/14/2011	< 1.0	< 1.0	< 5.0	---	< 1.5	60	8.1	60	66	---	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
PRG		na	na	na	na	810	1,400	800	20,000	310,000	11/37	5,600	46,000,000	29,000	2,600,000	190,000	38,000,000	54,000
CHHSL		na	na	na	na	7.5	100,000	320	16,000	100,000	300	na	na	na	na	na	na	na
ESL		83	83	2,500	2,500	7.4	750	750	150	600	0.74	44	2,900	3,300	2,300	23	1,500	77

Notes:

TPH	Total petroleum hydrocarbon
SGT	Silica Gel Treatment (to remove naturally occuring lipids and fats that may cause false positive results).
LUFT	Leaking Underground Fuel Tank.
PCBs	Polychlorinated Biphenyls
mg/Kg	milligrams per kilogram or parts per million (ppm).
µg/Kg	micrograms per kilogram or parts per billion (ppb).
VOCs	volatile organic compounds.
BTEX	benzene, toluene, ethyl benzene and total xylenes.
MTBE	methyl tert-butyl ether.
RSL	United States Environmental Protection Agency,Remediation Screening Level, commercial land use scenario, December 2008.
na	Not applicable or not published.
CHHSL	California Human Health Screening Level, commercial soil, January 2005. Revised for lead, September 2009.
ESL	Environmental Screening Level, Table A-2, shallow soil screening level, commercial/industrial land use, November 2007.
(1)	SGT not used in sample preparation.

KEI-J97-0301.R1
April 17, 1997

TABLE 3

SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample	Depth to Water (feet)	MTBE	TPH as Gasoline	TPH as Benzene	Toluene	Ethyl-benzene	Xylenes
3/07/97	Water 1	16	ND	6,100	54	38	300	2,500

ND = Non-detectable.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

ATTACHMENT 4

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2009

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 10.0-30.0)**											
08/24/00	208.15	18.55	0.00	189.60	--	120	--	0.67	ND	0.86	1.4	54	54	
11/16/00	208.15	20.30	0.00	187.85	-1.75	169	--	ND	1.20	1.74	0.629	68.6	97.7	
02/09/01	208.15	20.16	0.00	187.99	0.14	330	--	1.3	ND	1.0	4.6	140	150	
05/11/01	208.15	17.68	0.00	190.47	2.48	1250	--	ND	ND	ND	ND	145	122	
08/10/01	208.15	20.38	0.00	187.77	-2.70	580	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	150	
11/07/01	208.15	22.68	0.00	185.47	-2.30	250	--	ND<0.50	1.5	ND<0.50	ND<0.50	120	100	
02/06/02	208.15	16.20	0.00	191.95	6.48	790	--	ND<2.5	12	8.8	ND<2.5	90	72	
05/08/02	208.15	17.54	0.00	190.61	-1.34	890	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	78	81	
08/09/02	208.15	20.21	0.00	187.94	-2.67	--	450	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	
11/29/02	208.15	22.33	0.00	185.82	-2.12	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	72	
02/03/03	208.15	16.41	0.00	191.74	5.92	--	540	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
05/05/03	208.15	16.09	0.00	192.06	0.32	--	670	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	57	
09/04/03	208.15	21.46	0.00	186.69	-5.37	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.15	21.52	0.00	186.63	-0.06	--	97	ND<0.50	5.0	0.82	3.5	--	29	
01/29/04	208.15	17.51	0.00	190.64	4.01	--	520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
05/07/04	208.15	16.74	0.00	191.41	0.77	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
08/27/04	208.15	19.40	0.00	188.75	-2.66	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
11/23/04	208.15	19.82	0.00	188.33	-0.42	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
02/09/05	208.15	15.81	0.00	192.34	4.01	--	5700	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
06/16/05	208.15	15.85	0.00	192.30	-0.04	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24	
09/27/05	208.15	19.15	0.00	189.00	-3.30	--	300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	19	
12/30/05	208.15	14.62	0.00	193.53	4.53	--	68	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2009

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
03/08/06	208.15	11.69	0.00	196.46	2.93	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
06/08/06	208.15	14.28	0.00	193.87	-2.59	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	16	
09/15/06	208.15	17.49	0.00	190.66	-3.21	--	96	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	6.1	
12/22/06	208.15	18.68	0.00	189.47	-1.19	--	570	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
03/28/07	208.15	18.40	0.00	189.75	0.28	--	190	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
06/25/07	208.15	20.01	0.00	188.14	-1.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4.2	
09/22/07	208.15	21.23	0.00	186.92	-1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	14	
12/14/07	208.15	21.02	0.00	187.13	0.21	--	76	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	16	
03/26/08	208.15	16.87	0.00	191.28	4.15	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
06/20/08	208.15	18.82	0.00	189.33	-1.95	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
09/19/08	208.15	21.11	0.00	187.04	-2.29	--	63	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
12/22/08	208.15	20.82	0.00	187.33	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.6	
03/27/09	208.15	16.00	0.00	192.15	4.82	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	15	
09/30/09	208.15	20.84	0.00	187.31	-4.84	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
MW-2			**(Screen Interval in feet: 10.0-30.0)**											
08/24/00	210.27	19.69	0.00	190.58	--	ND	--	ND	ND	ND	ND	ND	ND	
11/16/00	210.27	21.61	0.00	188.66	-1.92	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	210.27	21.52	0.00	188.75	0.09	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	210.27	18.76	0.00	191.51	2.76	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	210.27	21.65	0.00	188.62	-2.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	210.27	24.25	0.00	186.02	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
02/06/02	210.27	18.22	0.00	192.05	6.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	210.27	18.63	0.00	191.64	-0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

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Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2009

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
08/09/02	210.27	21.53	0.00	188.74	-2.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/29/02	210.27	23.73	0.00	186.54	-2.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/03/03	210.27	17.43	0.00	192.84	6.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/05/03	210.27	17.15	0.00	193.12	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/04/03	210.27	22.75	0.00	187.52	-5.60	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	210.27	23.02	0.00	187.25	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	210.27	18.73	0.00	191.54	4.29	--	ND<50	0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	210.27	17.79	0.00	192.48	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/27/04	210.27	19.66	0.00	190.61	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/04	210.27	21.20	0.00	189.07	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	210.27	16.72	0.00	193.55	4.48	--	ND<50	0.69	1.5	ND<0.50	1.4	--	ND<0.50	
06/16/05	210.27	16.73	0.00	193.54	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/27/05	210.27	20.41	0.00	189.86	-3.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/05	210.27	14.79	0.00	195.48	5.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/08/06	210.27	13.25	0.00	197.02	1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/08/06	210.27	15.36	0.00	194.91	-2.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/15/06	210.27	18.61	0.00	191.66	-3.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/22/06	210.27	20.01	0.00	190.26	-1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/28/07	210.27	19.60	0.00	190.67	0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/25/07	210.27	21.34	0.00	188.93	-1.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/22/07	210.27	22.71	0.00	187.56	-1.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/14/07	210.27	22.52	0.00	187.75	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/26/08	210.27	17.79	0.00	192.48	4.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

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Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2009

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
06/20/08	210.27	21.13	0.00	189.14	-3.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	210.27	22.62	0.00	187.65	-1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/22/08	210.27	22.55	0.00	187.72	0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/09	210.27	16.88	0.00	193.39	5.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/30/09	210.27	22.22	0.00	188.05	-5.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 10.0-30.0)**											
08/24/00	208.98	18.68	0.00	190.30	--	ND	--	ND	ND	ND	ND	4.7	2.3	
11/16/00	208.98	20.56	0.00	188.42	-1.88	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	208.98	20.45	0.00	188.53	0.11	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	208.98	17.75	0.00	191.23	2.70	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	208.98	20.70	0.00	188.28	-2.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	208.98	23.02	0.00	185.96	-2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.5	
02/06/02	208.98	17.19	0.00	191.79	5.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	208.98	17.59	0.00	191.39	-0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	208.98	20.48	0.00	188.50	-2.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/29/02	208.98	22.64	0.00	186.34	-2.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/03/03	208.98	16.46	0.00	192.52	6.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/05/03	208.98	16.16	0.00	192.82	0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
09/04/03	208.98	21.71	0.00	187.27	-5.55	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.98	21.93	0.00	187.05	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	208.98	17.79	0.00	191.19	4.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	208.98	16.79	0.00	192.19	1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.55	
08/27/04	208.98	19.70	0.00	189.28	-2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

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Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2009

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
11/23/04	208.98	20.30	0.00	188.68	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	208.98	15.72	0.00	193.26	4.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
06/16/05	208.98	15.67	0.00	193.31	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/30/05	208.98	19.47	0.00	189.51	-3.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	9/27/05 samples broke during shipment.
12/30/05	208.98	15.84	0.00	193.14	3.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/08/06	208.98	12.06	0.00	196.92	3.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/08/06	208.98	13.82	0.00	195.16	-1.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/15/06	208.98	17.67	0.00	191.31	-3.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	
12/22/06	208.98	19.10	0.00	189.88	-1.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/28/07	208.98	18.60	0.00	190.38	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/25/07	208.98	20.30	0.00	188.68	-1.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/22/07	208.98	21.61	0.00	187.37	-1.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/14/07	208.98	21.43	0.00	187.55	0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/26/08	208.98	16.74	0.00	192.24	4.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/20/08	208.98	19.05	0.00	189.93	-2.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	208.98	21.49	0.00	187.49	-2.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/22/08	208.98	21.40	0.00	187.58	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/09	208.98	15.88	0.00	193.10	5.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/30/09	208.98	21.21	0.00	187.77	-5.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1							
08/24/00	ND	ND	--	--	ND	ND	ND
11/16/00	ND	ND	--	--	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/07/01	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
02/06/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
05/08/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
08/09/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/29/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
02/03/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
05/05/03	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
11/13/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/29/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
05/07/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
08/27/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
11/23/04	7.5	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
02/09/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/16/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/27/05	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/05	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/08/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/08/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/15/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/22/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

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Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1 continued							
03/28/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/25/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/22/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/14/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/26/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/20/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/19/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/22/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/27/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50
09/30/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
08/24/00	ND	ND	--	--	ND	ND	ND
11/16/00	ND	ND	--	--	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/07/01	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
11/13/03	--	ND<500	--	--	--	--	--
01/29/04	--	ND<500	--	--	--	--	--
05/07/04	--	ND<50	--	--	--	--	--
08/27/04	--	ND<50	--	--	--	--	--
11/23/04	--	ND<50	--	--	--	--	--
02/09/05	--	ND<50	--	--	--	--	--
06/16/05	--	ND<50	--	--	--	--	--
09/27/05	--	ND<250	--	--	--	--	--

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Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-2 continued							
12/30/05	--	ND<250	--	--	--	--	--
03/08/06	--	ND<250	--	--	--	--	--
06/08/06	--	ND<250	--	--	--	--	--
09/15/06	--	ND<250	--	--	--	--	--
12/22/06	--	ND<250	--	--	--	--	--
03/28/07	--	ND<250	--	--	--	--	--
06/25/07	--	ND<250	--	--	--	--	--
09/22/07	--	ND<250	--	--	--	--	--
12/14/07	--	ND<250	--	--	--	--	--
03/26/08	--	ND<250	--	--	--	--	--
06/20/08	--	ND<250	--	--	--	--	--
09/19/08	--	ND<250	--	--	--	--	--
12/22/08	--	ND<250	--	--	--	--	--
03/27/09	--	ND<250	--	--	--	--	--
09/30/09	--	ND<250	--	--	--	--	--
MW-3							
08/24/00	ND	ND	--	--	ND	ND	ND
11/16/00	ND	ND	--	--	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/07/01	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
08/09/02	--	--	ND	ND	--	--	--
11/29/02	--	--	ND	ND	--	--	--
02/03/03	--	--	ND<2.0	ND<2.0	--	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-3 continued							
05/05/03	--	--	ND<1.0	ND<1.0	--	--	--
11/13/03	--	ND<500	--	--	--	--	--
01/29/04	--	ND<500	--	--	--	--	--
05/07/04	--	ND<50	--	--	--	--	--
08/27/04	--	ND<50	--	--	--	--	--
11/23/04	--	ND<50	--	--	--	--	--
02/09/05	--	ND<50	--	--	--	--	--
06/16/05	--	ND<50	--	--	--	--	--
09/30/05	--	ND<250	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--
03/08/06	--	ND<250	--	--	--	--	--
06/08/06	--	ND<250	--	--	--	--	--
09/15/06	--	ND<250	--	--	--	--	--
12/22/06	--	ND<250	--	--	--	--	--
03/28/07	--	ND<250	--	--	--	--	--
06/25/07	--	ND<250	--	--	--	--	--
09/22/07	--	ND<250	--	--	--	--	--
12/14/07	--	ND<250	--	--	--	--	--
03/26/08	--	ND<250	--	--	--	--	--
06/20/08	--	ND<250	--	--	--	--	--
09/19/08	--	ND<250	--	--	--	--	--
12/22/08	--	ND<250	--	--	--	--	--
03/27/09	--	ND<250	--	--	--	--	--
09/30/09	--	ND<250	--	--	--	--	--

TRC

Table 2
Groundwater Analytical Data

76 Service Station No. 0018
6021 Claremont Ave, Oakland, CA

		Dissolved Phase Hydrocarbon Concentrations (µg/l)										
Sample Name	Date	TPH-G	Benzene	Toluene	Ethylben	Xylene	MTBE	1,2 DCA	1,2 DBA	DIPE	ETBE	TAME
B-3	10/26/2009	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
ESL		100	1	40	30	20	5	0.5	0.05	NA	NA	NA

µg/l - Micrograms per Liter
ND - Not detected above laboratory detection limits
TPH-G - Total Petroleum Hydrocarbons - Gasoline
MTBE - Methyl tert-butyl ether
TBA - Tert-butyl alcohol
ESL -Environmental Screening Level - Based on Groundwater as a Potential Drinking Water Resource

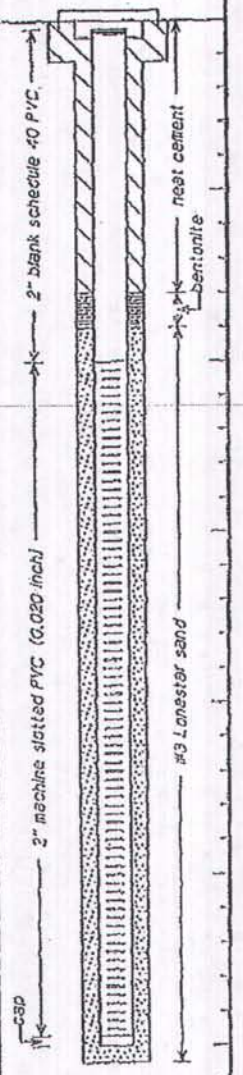
Gettler-Ryan, Inc.

Log of Boring MW-1

PROJECT: Tosco (76) Service Station No. 0018	LOCATION: 6201 Claremont Blvd., Oakland, California
GR PROJECT NO.: 140061.03	CASING ELEVATION:
DATE STARTED: 07/11/00	WL (ft. bgs): 20.4 DATE: 07/11/00 TIME: 09:26
DATE FINISHED: 07/11/00	WL (ft. bgs): 18.95 DATE: 07/11/00 TIME: 14:20
DRILLING METHOD: 8 in. Hollow Stem Auger	TOTAL DEPTH: 30.5 feet
DRILLING COMPANY: Woodward Drilling	GEOLOGIST: Skip McIntosh

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						FILL	Asphalt – 3 inches thick.
							Clay, silt and gravel (fill).
						SM	SILTY SAND (SM) – dark yellowish brown (10YR 4/4), moist, medium dense; 80% sand, 30% silt, 10% gravel, roots.
						ML	SILT WITH SAND (ML) – very dark grayish brown (10YR 3/2), moist, very stiff; 65–70% silt, 25% sand, 5–10% gravel, trace of clay.
5	0	24					
10	0	27					At 10 feet color changes to dark yellowish brown (10YR 4/6), becomes 75% silt, 20% sand, 5% clay, trace of gravel to 5/8 inch diameter.
15	1.8	12	MW-1-15				SANDY SILT (ML) – gray green (5GY 4/1), damp to wet, stiff; 60% silt, 40% fine sand, trace of gravel to 1/2 inch diameter.
20	83	16					SILT WITH SAND (ML) – dark yellowish brown (10YR 4/8) mottled with dark olive gray (5Y 3/2), moist, stiff; 75% silt, 15% sand, 10% clay, trace of gravel.
25	118	24	MW-1-25.5				At 25 feet color changes to brownish yellow (10YR 6/8) with black streaks, becomes moist, very stiff.
						SM	SILTY SAND (SM) – dark yellowish brown (10YR 4/4), wet, medium dense; 65% sand, 25% silt, 10% rounded gravel.
30	0	16					
							Bottom of boring at 30.5 feet bgs.
35							(* = converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: 140061.03

ATTACHMENT 5

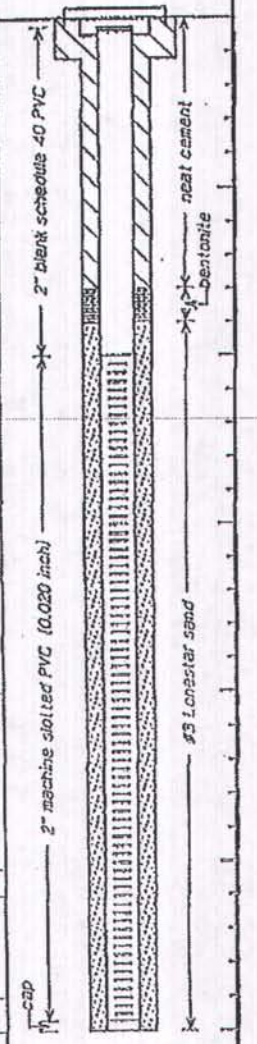
Gettler-Ryan, Inc.

Log of Boring MW-2

PROJECT: Tosco (76) Service Station No. 0018	LOCATION: 6201 Claremont Blvd., Oakland, California
GR PROJECT NO.: 140061.03	CASING ELEVATION:
DATE STARTED: 07/11/00	WL (ft. bgs): 28.5 DATE: 07/11/00 TIME: 11:30
DATE FINISHED: 07/11/00	WL (ft. bgs): 18.1 DATE: 07/11/00 TIME: 14:28
DRILLING METHOD: 8 in. Hollow Stem Auger	TOTAL DEPTH: 30 feet
DRILLING COMPANY: Woodward Drilling	GEOLOGIST: Skip McIntosh

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							Concrete – 6 inches thick.
						ML	SANDY SILT (ML) – dark brown (10YR 2/2), moist, stiff; 45–50% silt, 40% sand, 10–15% gravel to 1/2 inch diameter.
5	0	21				SM	SILTY SAND (SM) – dark yellowish brown (10YR 3/4) mottled with red and light yellow brown, moist, medium dense; 60% sand, 25% silt, 15% gravel, trace of clay.
10	0	30				ML	SANDY SILT (ML) – dark yellowish brown (10YR 4/4), moist, very stiff; 60% silt, 35% sand, 5% clay, trace of gravel.
15	0	10	MW-2-10			SM	SILTY SAND WITH GRAVEL (SM) – dark yellowish brown (10YR 4/4), moist, dense; 65% sand, 35% silt, 10% gravel, trace of clay.
20	0	46	MW-2-20.5			GM	SILTY GRAVEL WITH SAND (GM) – dark yellowish brown (10YR 4/6), moist, dense; 65% gravel to 2 inch diameter, 15% silt, 15% sand, 5% clay.
25	0	54				ML	SILT WITH SAND (ML) – dark yellowish brown (10YR 4/6), moist, hard; 75% silt, 15% sand, 10% clay, trace of gravel.
						GM	WELL GRADED GRAVEL WITH SILT AND SAND (GM) – dark yellowish brown (10YR 3/6), wet, very dense; 45% gravel, 20%
	0	15				ML	SILTY SAND (ML) – dark yellowish brown (10YR 3/6), medium dense; 70–80% sand, 15–20% silt, 10% gravel.
30							gravelly sand lens from 29–29.5 feet.
							Bottom of boring at 30 feet bgs.
35							(* = converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: 140061.03

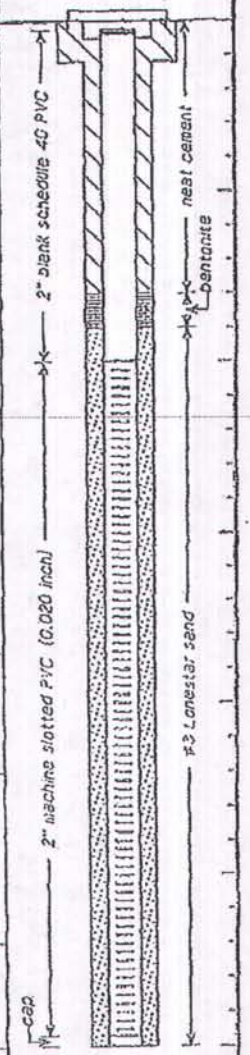
Gettler-Ryan, Inc.

Log of Boring MW-3

PROJECT: *Tosco (76) Service Station No. 0018*	LOCATION: *6201 Claremont Blvd., Oakland, California*
GR PROJECT NO.: *140061.03*	CASING ELEVATION:
DATE STARTED: *07/11/00*	WL (ft. bgs): *20* DATE: *07/11/00* TIME: *12:40*
DATE FINISHED: *07/11/00*	WL (ft. bgs): *17.95* DATE: *07/11/00* TIME: *14:38*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *30 feet*
DRILLING COMPANY: *Woodward Drilling*	GEOLOGIST: *Skip McIntosh*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						FILL	Concrete -- 3 inches thick.
							Fill.
						ML	SANDY SILT (ML) -- dark brown (10YR 2/2), moist, medium stiff; 60% silt, 35% poorly sorted sand, 5% clay, trace of gravel to 3/4 inch diameter.
5	0	9					4 inch gravel lens at 6 feet; rounded clasts to 2 inches.
10	0	26					Color changes to grayish green (5G 5/2) at 9.5 feet, becomes stiff.
							Color changes to grayish green (5G 5/2) with 20% brown patches, becomes very stiff.
15	0	14					Color changes to light olive gray (5Y 6/2), becomes very moist, stiff; 70% silt, 30% sand, trace of root holes.
	0	10	MW-3-18				▽
20	0	28				SM	SILTY SAND WITH GRAVEL (SM) -- dark yellowish brown (10YR 4/4) with gray green patches, very moist, medium dense; 55% sand, 30% silt, 15% gravel, roots.
							Becomes water saturated at 20 feet.
							SILTY SAND (SM) -- dark yellowish brown (10YR 4/4) wet, medium dense; 65-70% sand, 30-35% silt.
25	0	40					Color changes to dark yellowish brown (10YR 4/6), dense; 65% sand, 35% silt, trace of clay.
						ML	SILT WITH SAND (ML) -- brown (10YR 4/3) mottled with dark yellowish brown (10YR 4/6), wet, very stiff; 70% silt, 20% sand, 10% clay.
30	0	18					Bottom of boring at 30 feet bgs.
							(* = converted to equivalent standard penetration blows/foot.)
35							

WELL DIAGRAM



JOB NUMBER: *140061.03*

Delta
Environmental Consultants, Inc.

Project No:C100018091 | Client: ConocoPhillips
Logged By:Nadine Periat | Location: 6201 Claremont Avenue, Oakland, CA
Driller: Gregg Drilling and Testing | Date Drilled: 10/26/09
Drilling Method: Direct Push (LAR) | Hole Diameter:2"
Sampling Method: Continuous | Hole Depth:24'
Casing Type:NA | Well Diameter: NA
Slot Size: NA | Well Depth:NA
Gravel Pack: NA | Casing Stickup:NA

Elevation | Northing | Easting

Location Map
B-1

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					0				Asphalt
					1			CL	**Lean Clay**, brown, 10-15% fine sand, low plasticity
									Fractured concrete debris
					2				
					3			SC	**Clayey Sand**, gray, 5% medium gravel, 20-30% fines, grains consist of blue, red, green, terracotta non native materials, artificial fill
					4				
		Damp			5				
					6				
					7				Fractured brick layer
					8				As above
					9				
		Damp			10			CL	**Lean Clay**, brown, 10% fine sand, trace coarse sand, low plasticity.
			0	Air Knife to 10 feet bgs	11				
					12			ML	**Sandy Silt**, brown, 30-35% fine sand, trace fine gravel, low plasticity
			0		13				
					14				No Recovery
					15				
					16				
					17				
					18			CL	**Sandy Lean Clay**, gray, 40-45% very fine sand, medium plasticity, trace gravel
		Moist	0		19				
					20				
			0.4		21				
					22				

Delta
Environmental Consultants, Inc.

Project No:C100018091
Logged By:Nadine Periat
Driller: Gregg Drilling and Testing
Drilling Method: Direct Push (LAR)
Sampling Method: Continuous
Casing Type:NA
Slot Size: NA
Gravel Pack: NA

Client: ConocoPhillips
Location: 6201 Claremont Avenue, Oakland, CA
Date Drilled: 10/26/09
Hole Diameter:2"
Hole Depth:24'
Well Diameter: NA
Well Depth:NA
Casing Stickup:NA

Location Map
B-1

Elevation | Northing | Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					23				No recovery, sample liner crushed inside sampling rod, granitic rock fragments visible in bottom of liner. Refusal at 24 feet bgs.
					24				Bottom of Boring at 24 Feet bgs.
					25				
					26				Groundwater not encountered in boring. Boring was left open for 24 hours, no groundwater flow into boring.
					27				
					28				
					29				
					30				
					31				
					32				
					33				
					34				
					35				
					36				
					37				
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					42				
					43				
					44				

PROFESSIONAL GEOLOGIST
LIA HOLDEN
No. 8584
Exp. 6/11
STATE OF CALIFORNIA

Delta
Environmental Consultants, Inc.

Project No:C100018091 | Client: ConocoPhillips
Logged By:Nadine Periat | Location: 6201 Claremont Avenue, Oakland, CA | Page 1 of 2
Driller: Gregg Drilling and Testing | Date Drilled: 10/26/09
Drilling Method: Direct Push (LAR) | Hole Diameter:2"
Sampling Method: Continuous | Hole Depth:26'
Casing Type:NA | Well Diameter: NA
Slot Size: NA | Well Depth:NA
Gravel Pack: NA | Casing Stickup:NA

Location Map: B-2

Elevation | Northing | Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery / Interval	Soil Type	LITHOLOGY / DESCRIPTION
								Asphalt
				Air knife to 8 feet bgs	1–6		SC	**Clayey Sand**, brown, 20-30% fines, grains of artificial debris, 5% medium gravel, low plasticity. Artificial Fill.
					7		SM	**Silt with Sand**, brown, 25-30% fine sand, low plasticity
			0.1		8			As above, 15% fine sand, root holes, trace fine gravel
		Damp			9			
			0.1		10			As above
					11			As above, no gravel, black organic matter, low to medium plasticity
		Damp	0.3		12			As above, poor recovery
					13–15			
					16			As above
		Damp			17		SW-SC	**Well Graded Sand with Clay**, gray, 10% fines.
			0.1		18		CL	**Lean Clay**, gray-green, 5-10% fine sand, trace fine gravel, pockets of fine sand, low plasticity, black organic material.
					19			
			17.4		20			As above, brown, medium plasticity
		Moist						
			0.4		21		SW	**Well Graded Sand**, brown, <5% fines
			0.3		22		CL	**Lean Clay**, gray, <5% fine sand, medium plasticity

Delta
Environmental Consultants, Inc.

Project No:C100018091 | Client: ConocoPhillips
Logged By:Nadine Periat | Location: 6201 Claremont Avenue, Oakland, CA
Driller: Gregg Drilling and Testing | Date Drilled: 10/26/09
Drilling Method: Direct Push (LAR) | Hole Diameter:2"
Sampling Method: Continuous | Hole Depth:26'
Casing Type:NA | Well Diameter: NA
Slot Size: NA | Well Depth:NA
Gravel Pack: NA | Casing Stickup:NA

Location Map

B-2

Elevation | Northing | Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					23			CL	**Lean Clay** continued
		Moist	0.5		24			CL	As above, brown, low plasticity
					25				As above, gray, <5% fine sand
			37.2		26			CL	**Lean Clay with Sand**, brown, 20-25 % fine sand, trace gravel, root holes, refusal at 26 feet bgs.
									Bottom of Boring at 26 feet bgs.
					27				
					28				
					29				
					30				
					31				
					32				
					33				
					34				
					35				
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PROFESSIONAL GEOLOGIST
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No. 8584
Exp. 4/11
STATE OF CALIFORNIA

Delta
Environmental Consultants, Inc.

Project No:C100018091 | Client: ConocoPhillips
Logged By:Nadine Periat | Location: 6201 Claremont Avenue, Oakland, CA | Page 1 of 2
Driller: Gregg Drilling and Testing | Date Drilled: 10/26/09
Drilling Method: Direct Push (LAR) | Hole Diameter:2"
Sampling Method: Continuous | Hole Depth:25'
Casing Type:NA | Well Diameter: NA
Slot Size: NA | Well Depth:NA
Gravel Pack: NA | Casing Stickup:NA

Location Map: B-3

▽ First water

Elevation | Northing | Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
									Asphalt
		Damp		Air knife to 7.5 feet bgs	1–6			SC	**Clayey Sand**, brown, 25-30% fines, slight plasticity
		Damp	0		7–8			SP	**Poorly Graded Sand with Gravel**, brown-tan, 30% large gravel, <5% fines, no plasticity, gravel is angular, fractured granite. Poor recovery
		Damp	0.1		9–11			CL	**Sandy Lean Clay**, light brown, 25-30% well graded sand, 10% medium gravel, low plasticity
					12–13			CL	**Lean Clay**, brown, <10% sand, trace medium gravel, low plasticity.
			0		14			SC	**Clayey Sand with Gravel**, tan, 15% gravel, 30% clay
		Damp	0		15–16			CL	**Lean Clay**, brown, 10-15% fine sand, trace fine gravel, medium plasticity. As above
		Moist	0		17–19			CL	**Lean Clay with Sand**, brown, 20-25% fine sand, black, soft organic matter.
					20			SC	**Clayey Sand** ,30-40% fines, 5% fine gravel
		Moist			21–22			CL	**Lean Clay with Sand**, brown, 15-20% v. fine sand, medium plasticity, mottling, black organic material, root holes.
								CL	**Sandy Lean Clay with Gravel**, brown, 15-20% fine

Delta
Environmental Consultants, Inc.

Project No:C100018091
Logged By:Nadine Periat
Driller: Gregg Drilling and Testing
Drilling Method: Direct Push (LAR)
Sampling Method: Continuous
Casing Type:NA
Slot Size: NA
Gravel Pack: NA

Client: ConocoPhillips
Location: 6201 Claremont Avenue, Oakland, CA
Date Drilled: 10/26/09
Hole Diameter:2"
Hole Depth:25'
Well Diameter: NA
Well Depth:NA
Casing Stickup:NA

Location Map

B-3

Elevation	Northing	Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
	▽	WET	0		23			CL	sand, 10-15% fine gravel, medium plasticity
								SC	**Clayey Sand**, brown, 15% clay
					24			GP-GC	**Poorly Graded Gravel with Sand and Clay**, brown, 20% well graded sand, 10% fines
			0		25			CL	**Lean Clay**, brown, <5% fine sand, medium plast.
									Bottom of Boring at 25 feet bgs
					26				
					27				
					28				
					29				
					30				
					31				
					32				
					33				
					34				
					35				
					36				
					37				
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					39				
					40				
					41				
					42				
					43				
					44				

PROFESSIONAL GEOLOGIST
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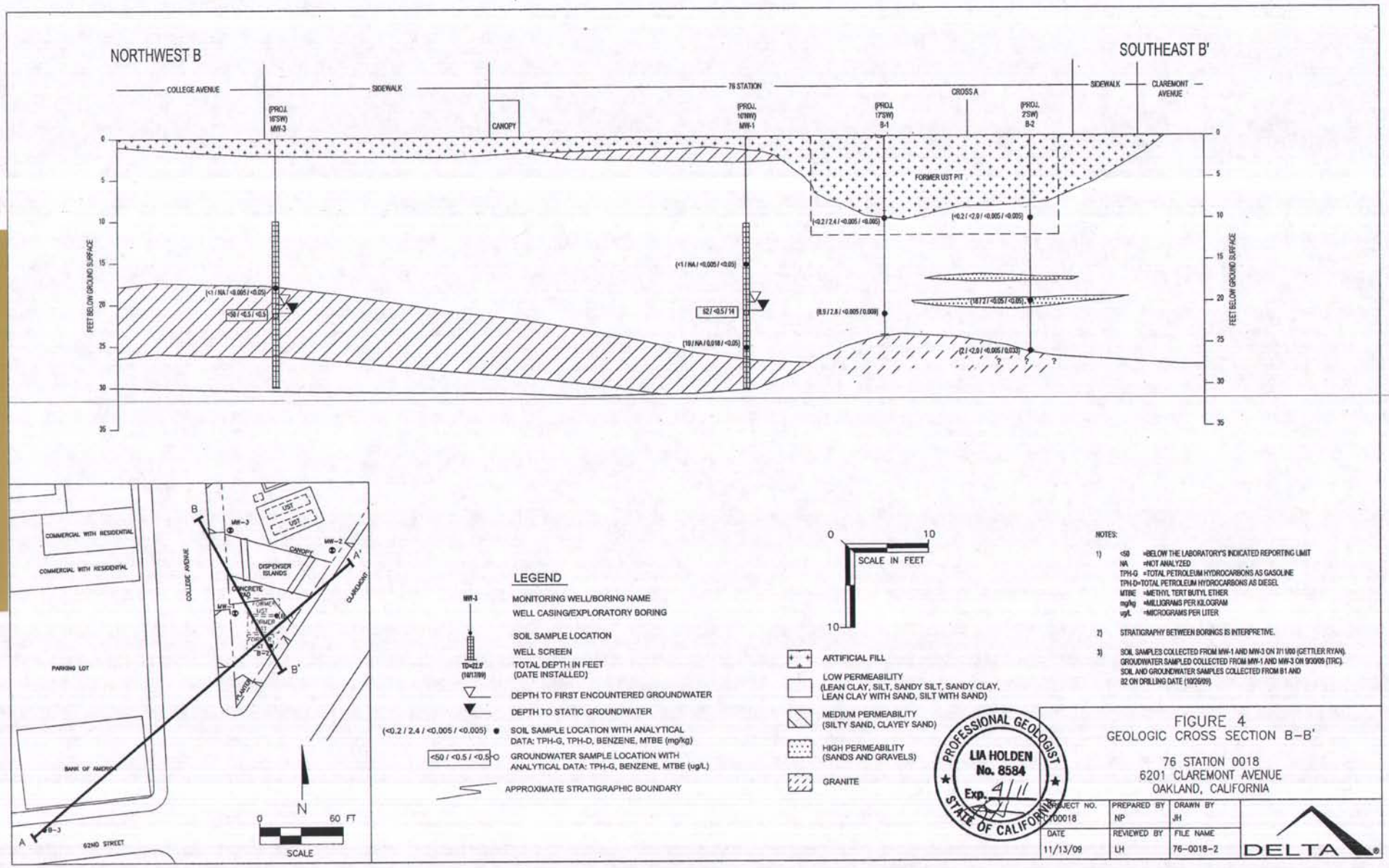
Exp. 4/11
STATE OF CALIFORNIA

ATTACHMENT 6



LEGEND

- MW-3 — MONITORING WELL/BORING NAME; WELL CASING/EXPLORATORY BORING
- SOIL SAMPLE LOCATION
- TD=21.5' (10/13/99) — WELL SCREEN; TOTAL DEPTH IN FEET (DATE INSTALLED)
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- DEPTH TO STATIC GROUNDWATER
- (<0.2 / 2.4 / <0.005 / <0.005) — SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-G, TPH-D, BENZENE, MTBE (mg/kg)
- <50 / <0.5 / <0.5 — GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-G, BENZENE, MTBE (ug/L)
- APPROXIMATE STRATIGRAPHIC BOUNDARY

0 10
SCALE IN FEET
10

- ARTIFICIAL FILL
- LOW PERMEABILITY (LEAN CLAY, SILT, SANDY SILT, SANDY CLAY, LEAN CLAY WITH SAND, SILT WITH SAND)
- MEDIUM PERMEABILITY (SILTY SAND, CLAYEY SAND)
- HIGH PERMEABILITY (SANDS AND GRAVELS)
- GRANITE

NOTES:

1) <50 =BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
NA =NOT ANALYZED
TPH-G =TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D=TOTAL PETROLEUM HYDROCARBONS AS DIESEL
MTBE =METHYL TERT BUTYL ETHER
mg/kg =MILLIGRAMS PER KILOGRAM
ug/L =MICROGRAMS PER LITER

2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

3) SOIL SAMPLES COLLECTED FROM MW-1 AND MW-3 ON 7/11/00 (GETTLER RYAN). GROUDWATER SAMPLED COLLECTED FROM MW-1 AND MW-3 ON 9/30/09 (TRC). SOIL AND GROUNDWATER SAMPLES COLLECTED FROM B1 AND B2 ON DRILLING DATE (10/26/09).

PROFESSIONAL GEOLOGIST
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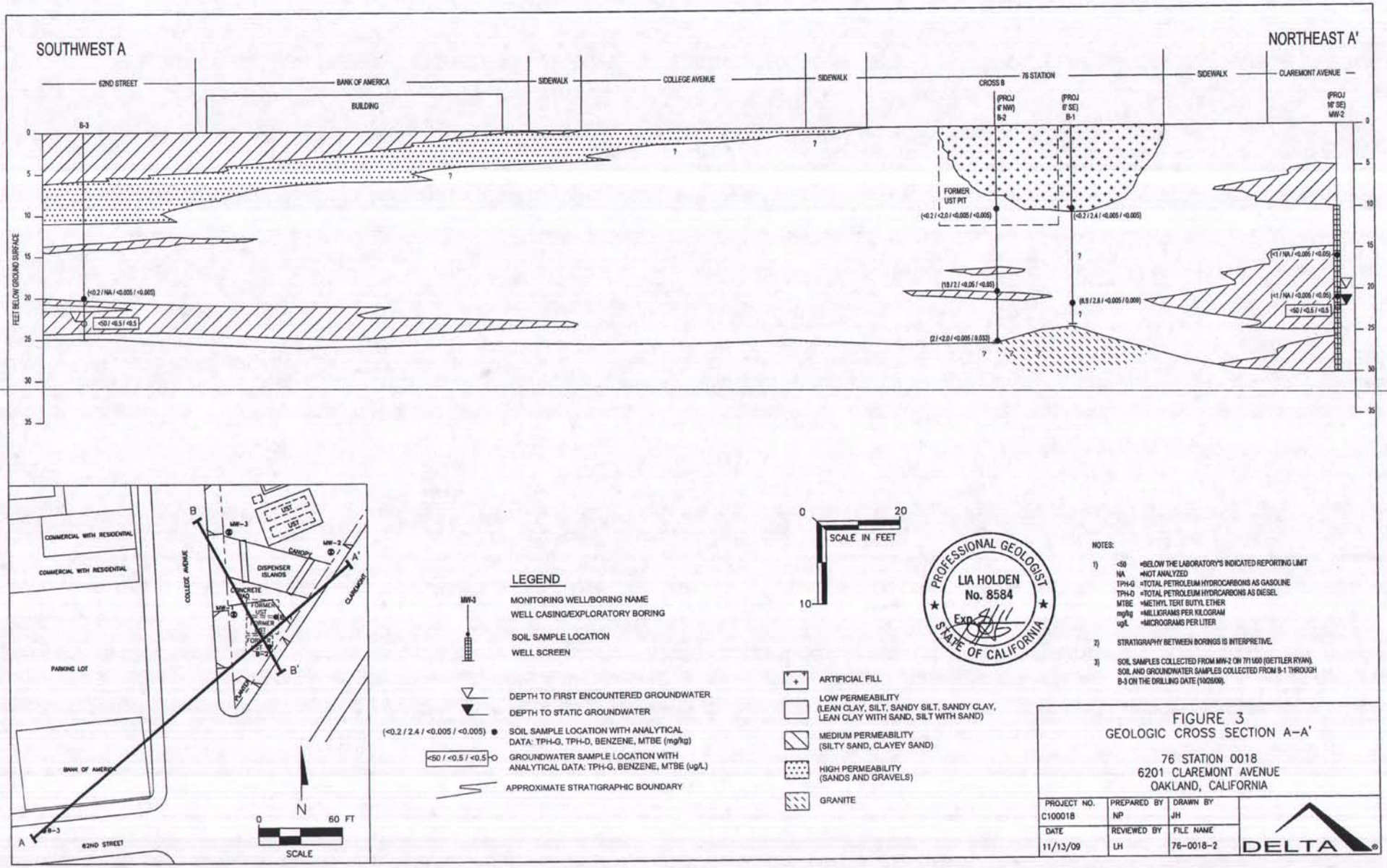
Exp. 4/11
STATE OF CALIFORNIA

FIGURE 4
GEOLOGIC CROSS SECTION B–B'

76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
00018	NP	JH
DATE	REVIEWED BY	FILE NAME
11/13/09	LH	76-0018-2

DELTA



LEGEND

- MW-3 — MONITORING WELL/BORING NAME; WELL CASING/EXPLORATORY BORING
- SOIL SAMPLE LOCATION
- WELL SCREEN
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- DEPTH TO STATIC GROUNDWATER
- (<0.2 / 2.4 / <0.005 / <0.005) ● — SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-G, TPH-D, BENZENE, MTBE (mg/kg)
- <50 / <0.5 / <0.5 ○ — GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-G, BENZENE, MTBE (ug/L)
- APPROXIMATE STRATIGRAPHIC BOUNDARY

0 20
SCALE IN FEET
10

- ARTIFICIAL FILL
- LOW PERMEABILITY (LEAN CLAY, SILT, SANDY SILT, SANDY CLAY, LEAN CLAY WITH SAND, SILT WITH SAND)
- MEDIUM PERMEABILITY (SILTY SAND, CLAYEY SAND)
- HIGH PERMEABILITY (SANDS AND GRAVELS)
- GRANITE

PROFESSIONAL GEOLOGIST
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NOTES:

1) <50 =BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
NA =NOT ANALYZED
TPH-G =TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D =TOTAL PETROLEUM HYDROCARBONS AS DIESEL
MTBE =METHYL TERT BUTYL ETHER
mg/kg =MILLIGRAMS PER KILOGRAM
ug/L =MICROGRAMS PER LITER

2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

3) SOIL SAMPLES COLLECTED FROM MW-2 ON 7/1/00 (GETTLER RYAN). SOIL AND GROUNDWATER SAMPLES COLLECTED FROM B-1 THROUGH B-3 ON THE DRILLING DATE (10/26/09).

FIGURE 3
GEOLOGIC CROSS SECTION A-A'

76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C100018	NP	JH
DATE	REVIEWED BY	FILE NAME
11/13/09	LH	76-0018-2

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