

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

8/17/04

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

Mr. Achim Ehrhardt
Continental Volvo
774 Mays Blvd., #10
Inline Village, Nevada 89451

Dear Mr. Ehrhardt:

Subject: Fuel Leak Site Case Closure Continental Volvo, 4030 East 14th Street, Oakland, CA;
Case No. RO0002442; Underground Storage Tank Cleanup Fund No.

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 soil and groundwater pollution left in place includes up to 27 ppb TCE in groundwater and 0.140 ppm TCE in soil.
- PCB detected once in soil sample at 0.25 ppm.

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

Sincerely,

Donna L. Drogos

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Betty Graham (w/enc)
Mr. Roger Brewer (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612
Mr. Leroy Griffin (w/enc)
Oakland Fire Department
1605 Martin Luther King Jr. Way
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

(Planning Department of Jurisdiction) (w/enc) (CUPA/LIA) (w/enc)

(A.Gholami) (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

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Dear Mr. Ehrhardt:

Subject: Fuel Leak Site Case Closure Continental Volvo, 4030 East 14th Street, Oakland, CA
; Case No. RO0002442; Underground Storage Tank Cleanup Fund No.

This letter confirms the completion of a site investigation and remedial action for the underground storage tank(s) 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.

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,

Mee Ling Tung
Director
Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: 8/11/04

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6765
Responsible Staff Person: Amir K. Gholami	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Continental Volvo		
Site Facility Address: 4030 East 14 th Street, Oakland, California		
RB Case No.: -----	Local Case No.: -----	LOP Case No.: RO002442
URF Filing Date: 1/7/2002	SWEEPS No.: ---	APN: 033-2144-049-04
Responsible Parties	Addresses	Phone Numbers
Mr. Achim Ehrhardt	774 Mays Blvd., #10 Incline Village, Nevada 89451	(775) 848-6441

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	550	Waste Oil	Removed	April 1987
2	1000	Waste Oil	Removed	04 May 2000
3	500	Fuel Oil	Removed	04 May 2000
Piping		Removed		04 May 2000

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Holes detected at the base of heating tank		
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: 5.99	Lowest Depth: 8.98	Flow Direction: South
Most Sensitive Current Use: Potential drinking water source		

*Screens in MW-1 and MW-3 submerged

Summary of Production Wells in Vicinity: There are two irrigation wells within 2000 feet of this site: <ul style="list-style-type: none"> • irrigation well 02S03W8G is about 1665 ft ENE of the site, 13 inches in diameter, 24 feet deep, it is upgradient of the site. • irrigation well 02S03W8M is about 2000 feet ENE of the site, 7 inches in diameter, 41 feet deep, it is upgradient of the site. These wells do not appear to be receptors for the site due to their distance and upgradient location to the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Oakland Estuary 3650 feet Southwest
Off-Site Beneficial Use Impacts (Addresses/Locations): None Identified	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Oakland Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1 @ 550 Gallons – steel 1 @ 1000 Gallons – Fiber 1 @ 550 Gallons - Steel	Disposed at ECI Richmond	April 1987 05 May 2000 05 May 2000
Piping	Not reported	Assumed disposed with USTS	05 May 2000
Free Product	None reported	----	----
Soil	50 Cubic Yards	Used as excavation backfill	April 1987
Groundwater	None reported	----	----

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP (Please see Attachments 1-8 for additional information on contaminant locations and concentrations)				
Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	360	360	1,900	<50
TPH (Diesel)	4,100	4,100	68,000	<50
Oil & Grease	3,400	3,400	200,000	<1,000
Benzene	0.51	0.51	23	<0.5
Toluene	0.26	0.26	0.66	<0.5
Ethyl Benzene	0.49	0.49	1.7	<0.5
Xylene	2.4	2.4	<1.0	<0.6
Heavy Metals	59****	59****	2.3*****	2.3*****
PCB	0.250	0.250	<10	<10
MTBE (if not analyzed, explain below)	<0.2	<0.2	1.4*	1.4*
Other (8240/8270)	0.140**	0.140**	210***	27***

* 1.4 ppb MTBE, <125 ppb EtOH, <1.0 ppb TAME, <1.0 ppb ETBE, <1.0 ppb DIPE, <1.0 ppb TBA, EDB, and EDC not analyzed.
 ** TCE 0.14 ppm, PCE <.001 ppm, 1,2 -Dichlorobenzene .017 ppm, Cis-1,2-Dichloroethane <0.005 ppm
 *** TCE 210 ppb, TCE 27 ppb, PCE 24 ppb, 1,2 -Dichlorobenzene <1.0, Cis-1,2-Dichloroethane <1.0 ppb, 1,2 Dichloroethane <1.0 ppb
 **** Lead 59 ppm, Cadmium <0.5 ppm, Chromium 69 ppm, Nickel 123 ppm, Zinc 74 ppm
 ***** Lead 2.3 ppb, Cadmium 0.0077 ppb, Chromium 0.036 ppb, Lead 2.3 ppb, Nickel 0.17 ppb, Zinc 0.64 ppb

Site History and Description of Corrective Actions:

The site is located in a commercial and residential area of southeast Oakland. Two buildings and a vacant lot utilized as a car lot occupy the site as shown in Figure 2. The property was operated as a car or truck maintenance shop since the 1950s. The vacant lot was used as a residence prior to being used as a car lot. The site is presently being used as an auto sales/repair facility. The chronology of events, which took place at this facility, is listed below:

1987- One steel, 550-gallon waste oil underground storage tank (UST) was removed from the eastern sidewalk of the site. A soil sample collected from beneath the UST detected oil and grease at 130 milligrams per kilogram (mg/kg). However, no aromatic and halogenated volatile organics, and extractable hydrocarbons were detected in the soil sample. Limited excavation of the impacted soil was conducted and soil was later disposed. A second sample collected from beneath the UST detected oil and grease at 80 mg/kg. A new double-walled UST for waste-oil was then installed in the same location.

26 January 1998 - a total of twelve soil probe borings (P1 through P12) were advanced at the site up to a depth of 30 feet bgs. Locations of the soil probe borings are illustrated on Figure 2.

Up to 53 ppm TPHg, 240 ppm TPHd, and 0.082 ppm Benzene was detected in soil at 10 feet bgs beneath the USTs. Grab ground water samples were collected from probe borings P12 using a Geoprobe water sampling assembly. Up to 6,800pp TPHd, 65 ppb TCE, and 24ppb PCE was detected in groundwater.

May 2000- Two USTs were removed from site under permit. Tank #1 were utilized for heating oil, while tank #2 was the upgraded/permitted UST that had been installed in the eastern sidewalk of the site and used to store waste oil (Figure 2). After being removed, the tanks were visually inspected with holes noted at the base of the ends of the heating oil UST. The waste oil UST appeared intact. Up to 360 ppm TPHg, 1,200 ppm TPHd, and .07ppm Benzene was detected in soil.

A perforated conductor casing had been previously installed within the fiberglass, double-walled, waste oil UST excavation, which was designated MW-UST. A grab water sample designated UST2-H2O that was collected from the former waste oil UST excavation well (well UST) was impacted. TPH-g was detected in the water samples as high as 180 micrograms per liter (ug/l), TPH-d 68,000 ug/l and TPH-mo 200,000 ug/l. Up to 23ppb benzene was also detected.

08 January 2001, two soil probe borings (P13 and P14) were advanced to a depth of 35 feet bsg. Up to 260ppm, 1,000ppm, 2,200ppm, 0.51ppm, 0.23ppm, 0.49ppm, and 1.3ppm of TPHg, TPHd, TPH-Oil, Benzene, Toluene, Ethylbenzene, and Xylene respectively was detected in soil at 10 feet bgs. TCE concentrations found both in soil and groundwater were below ESL levels.

Ground water was not present in probe boring P14 at 35 feet bsg. A grab ground water samples was collected from probe boring P13. Up to 1,100ppb and 430ppb of TPHd and TPH-Oil respectively was detected in groundwater. A grab ground water sample was collected from the sampling well in the former waste oil UST excavation (MW-UST). Up to 61ppb, 8,700ppb, 54,000, and 3.0ppb of TPH-g, TPHd, TPH-Oil, and Benzene respectively was detected in groundwater. Additionally 1.4 ppb MTBE and 65 ppb TCE were detected in the grab water sample at P13.

June and July 2002, two soil borings (MW-1 and MW-3) were advanced to a depth of 20 feet below surface grade (bsg), which were completed as groundwater monitoring wells screened from 10 to 20 feet bgs. Soil boring MW-1 was installed down-gradient of the former waste oil UST excavation; boring MW-3 was installed down-gradient of the former heating oil UST area. Soil borings collected revealed up to 2.7ppm and 19ppm of TPH-d and TPH-oil. No other contaminants were detected in soil samples. Up to 110ppb, 3,100ppb, 5.4ppb, and 1.7ppb of TPH-g, TPH-d, Benzene, and Ethylbenzene respectively was detected in groundwater. Additionally up to 210ppb TCE and 110ppb Cis-1,2-Dichloroethane were detected in groundwater.

02 April 2003: Ground water monitoring activities were performed. Up to 450ppb, 1000ppb, 10ppb, and 1.7ppb of TPH-g, TPH-d, TPH-Oil, Benzene, and Ethylbenzene respectively was detected in groundwater. Additionally up to 190ppb TCE, 6.6ppb 1,2-Dichlorobenzene, 58ppb Cis-1,2-Dichloroethane, and 7.6ppm 1,2 Dichloroethane were detected in groundwater.

19 June 2003, a soil boring (MW-2) was advanced to a depth of 20 feet below surface grade surface and was screened between 10 to 20 feet bgs and down-gradient of monitoring well MW-1. Three soil sample were collected for analysis. However, no contaminants were detected.

Groundwater samples detected up to 4.1ppb and 2.1ppb of TCE and Cis-1,2-Dichloroethane. All BTEX were non-detect.

30 June 2003, two soil probe borings (GB1 and GB2) were advanced to a depth of 21 and 24 feet bsg respectively. Discrete soil samples were collected throughout the borings at 4-foot intervals beginning at a depth of 4 or 9 feet bsg. Grab ground water sample was not readily available for collection from the borings. Soil borings collected revealed up to 5.1ppm, 1,400ppm, and 3,400ppm of TPH-g, TPH-d, and TPH-oil respectively around 10 feet bgs. No other contaminants were detected in soil samples. Grab ground water sample was not readily available for collection from the borings.

July 2003: Ground water monitoring activities were performed. Up to 1900ppb and 10ppb of TPH-g and Benzene respectively was detected in groundwater. Additionally up to 170ppb TCE, 52ppb Cis-1,2-Dichloroethane, and 4.5ppm 1,2 Dichloroethane were detected in groundwater.

December 2003: Ground water monitoring activities were performed. Up to <50ppb and <1000ppb of TPH-g and TPH-Oil respectively was detected in groundwater. Additionally up to 27ppb TCE was detected in groundwater.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes No		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes No		
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 on condition.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No.		
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.

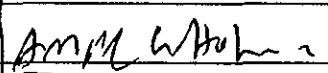

Considerations and/or Variances:

Residual soil and groundwater pollution left in place includes up to 27 ppb TCE in groundwater and 0.140 ppm TCE in soil. However, soil and groundwater contaminations levels do not exceed ESL level for soil and groundwater for residential and or commercial/industrial sites. PCB detected once in soil sample at 0.25 ppm appears limited in extent and does not exceed the ESL level of 6.3 ppm for soil at residential and or commercial/industrial sites.

Conclusion:

Alameda County Environmental Health staff do not believe a significant threat to groundwater exists at this site. Residual petroleum hydrocarbons appear to be confined to the immediate vicinity of the former underground storage tank location. It is anticipated that bioremediation and attenuation process over time will be effective in reducing residual pollution remaining at this site. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Amir K. Gholami, REHS	Title: Hazardous Materials Specialist
Signature: 	Date: 8/11/04
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 08/11/04

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

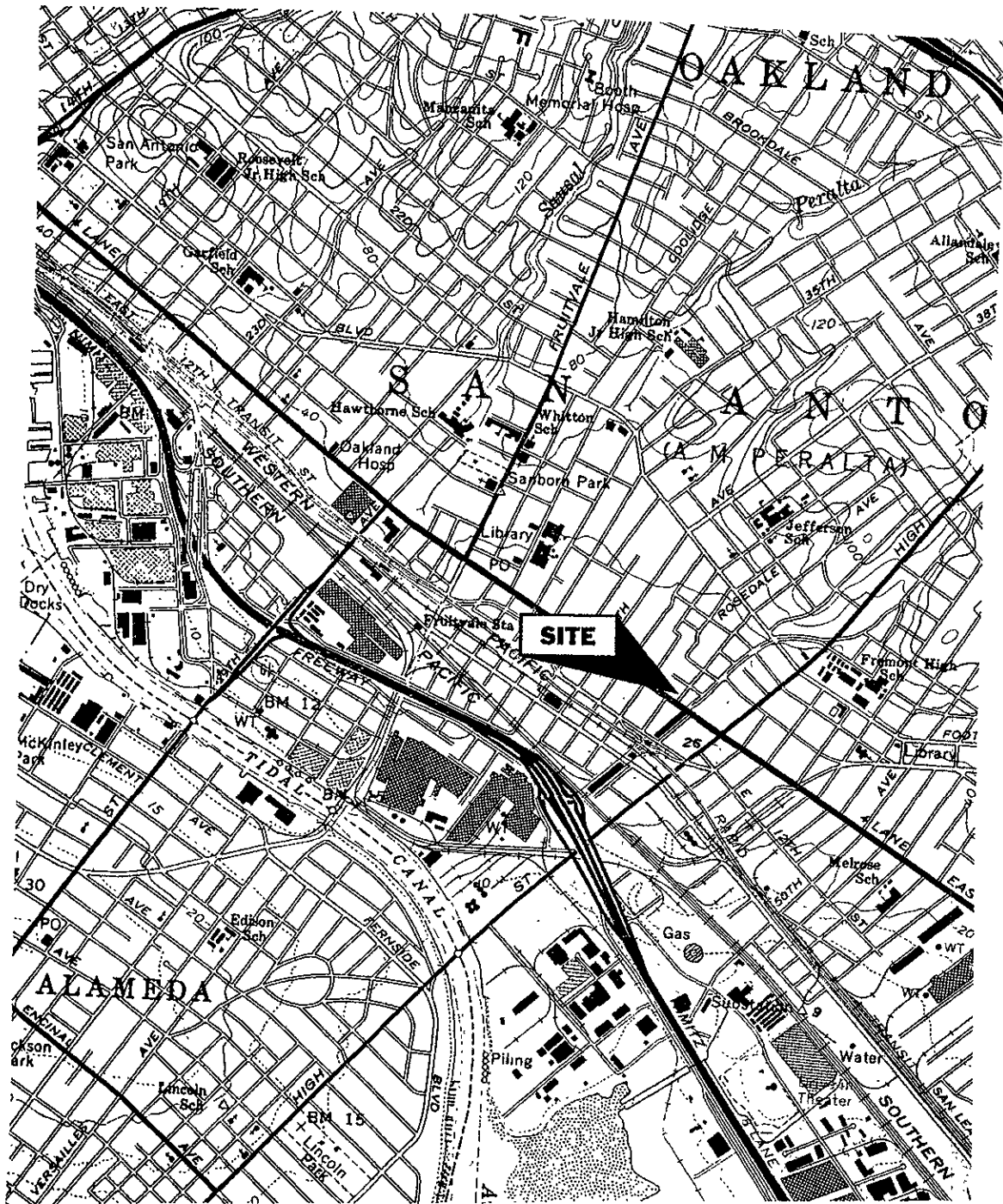
Regional Board Staff Name: Betty Graham	Title: Associate Water Resources Control Engineer
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: <i>John D. Wolfenden</i>	Date: <i>8/18/04</i>

FOR

Attachments:

1. Location Map
2. Site Plan
3. Soil Analytical Data (5 pp)
4. Groundwater Analytical Data (2 pp)
5. Groundwater Elevation Data
6. Groundwater Flow & Concentration Data Maps (7 pp)
7. Geological Cross Sections
8. Boring Logs (19 pp)

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



LOCATION MAP
CONTINENTAL VOLVO
4030-4122 EAST 14TH STREET
OAKLAND, CALIFORNIA



Advanced
GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-NC-99-0556 FILE: CON1 FIGURE:

ATTACHMENT 1

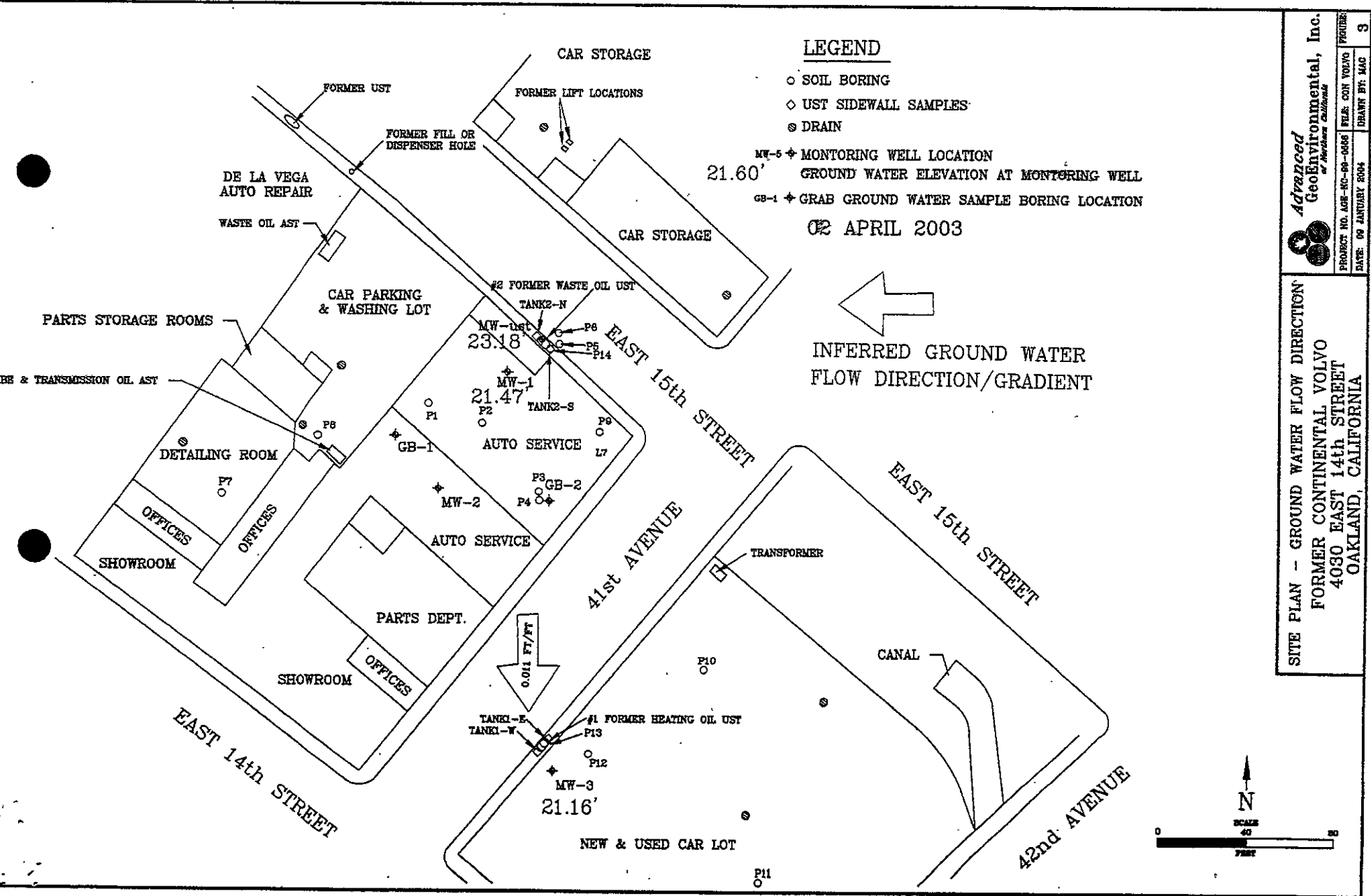


TABLE 1
ANALYTICAL RESULTS OF SOIL SAMPLES - EPA 8015m/8020/8260
 Former Continental Volvo
 4030 East 14th Street, Oakland, California

Sample ID	Date	TPH-g	TBH-d	TPH-oil	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	BTEXE	BTEXEE	BTEXEE	TEA	Methanol	Ethanol
P1-10	01/26/98	<1.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
P2-10	01/26/98	<1.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
P3-10	01/26/98	<1.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
P4-3	01/26/98	<1.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
P5-7	01/26/98	42	150	660	0.082	0.07	0.033	0.4	--	--	<0.05	--	--	--	--
P5-10	01/26/98	8.8	59	280	0.008	0.01	0.008	0.05	--	--	<0.05	--	--	--	--
P5-15	01/26/98	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	--	--	<0.05	--	--	--	--
P6-10	01/26/98	53	240	1,200	<0.01	0.098	<0.01	0.45	--	--	<0.2	--	--	--	--
P6-15	01/26/98	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	--	--	<0.05	--	--	--	--
P8-10	01/26/98	<1.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
P9-10	01/26/98	<1.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
P11-10	01/26/98	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	--	--	<0.05	--	--	--	--
P12-10	01/26/98	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	--	--	<0.05	--	--	--	--
P12-15	01/26/98	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	--	--	<0.05	--	--	--	--
Tank1-E	04/04/00	23	1,200	360	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
Tank1-W	04/04/00	33	1,100	340	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
Tank2-N	04/04/00	360	680	1,500	<0.05	0.26	<0.08	0.42	--	--	--	--	--	--	--

Notes:

Data in milligrams/kilograms unless specified (*micrograms per kilogram: µg/kg)

< - Non-detect

TPH - Total petroleum hydrocarbons (g - gasoline, d - diesel)

BTEX - Benzene, toluene, ethylbenzene and xylenes

TABLE 1
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Former Continental Volvo
4030 East 14th Street, Oakland, California

Sample ID.	Date	TPH-g	TPH-d	TPH-oil	Benzene	Toluene	Ethyl benzene	Xylenes	DIPE	ETBE	MTBE	TAME	TBA	Methanol	Ethanol
Tank2-S	04/04/00	120	790	2,000	0.07	0.20	0.059	2.4	---	---	---	---	---	---	---
SP1-2	04/04/00	5.9	390	100	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
P13-15	01/08/01	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
P13-25	01/08/01	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
P13-35	01/08/01	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
P14-10	01/08/01	260	1,000	2,200	0.51	0.23	0.49	1.3	---	---	---	---	---	---	---
P14-15	01/08/01	<1.0	2.7	8.9	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
P14-20	01/08/01	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<1.0	<0.25
P14-30	01/08/01	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<1.0	<0.25
P14-35	01/08/01	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<1.0	<0.25
MW1-5	06/04/02	<1.0	2.7	19	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<2.5	<0.25
MW1-10	06/04/02	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<2.5	<0.25
MW1-15	06/04/02	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<2.5	<0.25
MW1-20	06/04/02	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<2.5	<0.25
MW3-11	06/04/02	2.6	120	26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<2.5	<0.25
MW3-15	06/04/02	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<2.5	<0.25
GB1-9	06/30/03	4.6	1,400	1,300	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	---	--

Notes:

Data in milligrams/kilograms unless specified (*micrograms per kilogram. µg/kg)

< - Non-detect

TPH - Total petroleum hydrocarbons (g - gasoline, d - diesel)

BTEX - Benzene, toluene, ethylbenzene and xylenes

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ANALYTICAL RESULTS OF SOIL SAMPLES - EPA 8015m/8020/8260
 Former Continental Volvo
 4030 East 14th Street, Oakland, California

Sample I.D.	Date	TPH-g	TPH-d	TPH-oil	Benzene	Toluene	Ethyl benzene	Xylenes	DIPE	ETBE	MTBE	TAME	TBA	Methanol	Ethanol
GB1-13	06/30/03	5.1	<10	<10	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GB1-17	06/30/03	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GB2-8	06/30/03	1.1	750	<10	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GB2-10	06/30/03	2.5	4,100	3,400	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	---	--
GB2-12	06/30/03	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GB2-16	06/30/03	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
MW2-10	07/19/03	<1.0	<10	--	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.2	--	--
MW2-15	07/19/03	<1.0	<10	--	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
MW2-20	07/19/03	<1.0	<10	--	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---

Notes:

Data in milligrams/kilograms unless specified (*micrograms per kilogram: µg/kg)

< - Non-detect

TPH - Total petroleum hydrocarbons (g - gasoline, d - diesel)

BTEX - Benzene, toluene, ethylbenzene and xylenes

TABLE 2
ANALYTICAL RESULTS OF SOIL SAMPLES - EPA 8260/8080
Former Continental Volvo - 4030 East 14th Street, Oakland, California

Sample ID	Date	TCE	PCE	1,2-Dichlorobenzene	cis-1,2-Dichloroethane	TPH
P5-7	01/26/99	<5.0	<5.0	11	<5.0	--
P5-10	01/26/99	<5.0	<5.0	<5.0	<5.0	--
P5-15	01/26/99	110	<5.0	<5.0	<5.0	--
P6-10	01/26/99	14	<5.0	17	<5.0	--
P6-15	01/26/99	140	<5.0	<5.0	<5.0	--
P11-10	01/26/99	<5.0	--	<5.0	<5.0	--
P12-15	01/26/99	<5.0	--	<5.0	<5.0	--
Tank2-N	04/04/00	<25	--	--	--	250
Tank2-S	04/04/00	<25	--	--	--	<65
P14-20	01/08/01	7.2	<10	<5.0	<5.0	--
P14-30	01/08/01	17	<10	<5.0	<5.0	--
P14-35	01/08/01	<5.0	<5.0	<5.0	<5.0	--
MW1-5	06/04/02	<5.0	<5.0	<5.0	<5.0	--
MW1-10	06/04/02	<5.0	<5.0	<5.0	<5.0	--
MW1-15	06/04/02	<5.0	<5.0	<5.0	<5.0	--
MW1-20	06/04/02	<5.0	<5.0	<5.0	<5.0	--
MW3-11	06/04/02	<5.0	<5.0	<5.0	<5.0	--
MW3-15	06/04/02	<5.0	<5.0	<5.0	<5.0	--
GB1-9	06/30/03	<5.0	<5.0	<5.0	<5.0	--
GB2-10	06/30/03	<5.0	<5.0	<5.0	<5.0	--
MW2-10	07/19/03	<5.0	<5.0	<5.0	<5.0	--

Notes:

Data in micrograms per kilogram; µg/kg

< - Non-detect

TPH - Total petroleum hydrocarbons (g - gasoline, d - diesel)

BTEX - Benzene, toluene, ethylbenzene and xylenes

PCB - Polychlorinated biphenols

TCE - Trichloroethane



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

Advanced GeoEnvironmental 4005 North Wilson Way Stockton, CA 95205	Client Project ID: Former Continental Volvo	Date Sampled: 04/04/00
	Client Contact: Bill Little	Date Received: 04/04/00
	Client P.O:	Date Extracted: 04/04/00
		Date Analyzed: 04/04/00

LUFT Metals*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction ^o	Cadmium	Chromium	Lead	Nickel	Zinc	% Recovery Surrogate
35569	Tank2-N	(S)	TTLC	ND	69	59	123	74	102
35570	Tank2-S	(S)	TTLC	ND	62	37	115	65	99
35571	Tank2	W	TTLC	0.0077	0.036	2.3	0.17	0.64	111
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	0.5 mg/kg	0.5	3.0	2.0	1.0		
	W	TTLC	0.005 mg/L	0.005	0.005	0.05	0.05		
	---	STLC, TCLP	0.01 mg/L	0.05	0.2	0.05	0.05		

* water samples are reported in mg/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in mg/L
^o Lead is analysed using EPA method 6010 (ICP) for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
^o EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22
^o DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.
^o surrogate diluted out of range; N/A means surrogate not applicable to this analysis
^o reporting limit raised due to matrix interference
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

TABLE 3
ANALYTICAL RESULTS OF WATER SAMPLES - EPA 8015m/8020/8260
Former Continental Volvo - 4030 East 14th Street, Oakland, California

Sample I.D.	Date	DTW	TPH-g	TPH-d	TPH-oil	Benzene	Toluene	Ethyl benzene	Xylenes	DIPE	ETBE	MTBE	TAME	TBA	Methanol	Ethanol
P12-H2O	01-26-98	-	<50	6,800	14,000	<0.5	<0.5	<0.5	<0.5	---	---	<5.0	---	---	---	---
P13-H2O	01-08-01	-	<50	1,100	430	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<2.5	<12.5	<500	<125
UST well	04-04-00	-	180	68,000	200,000	23	0.66	<0.5	<0.5	--	--	--	--	--	--	--
	01-08-01	-	61	8,700	54,000	3.0	<0.5	<0.5	<0.5	<1.0	<1.0	1.4	<1.0	<5.0	--	--
	07-19-02	6.62	52	3,100	--	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<200	<50
	04-02-03	6.29	450	<50	<1,000	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	06-30-03	7.70	<50	<50	--	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	12-24-03	5.99	<50	<50	<1,000	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
MW-1	07-19-02	8.29	78	200	--	5.4	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	04-02-03	7.79	250	<50	<1,000	10	<0.5	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	06-30-03	8.98	1,900	<50	--	10	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	12-24-03	7.66	<50	<50	<1,000	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
MW-2	07-21-03	8.08	110	<50	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	12-24-03	7.69	<50	<50	<1,000	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
MW-3	07-19-02	8.85	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	04-02-03	8.08	120	<50	<1,000	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	06-30-03	7.45	<50	<50	--	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--
	12-24-03	8.39	<50	<50	<1,000	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	--	--

Notes:

Data in micrograms per liter: µg/l)

< - Non-detect

TPH - Total petroleum hydrocarbons (g - gasoline, d - diesel)

BTEX - Benzene, toluene, ethylbenzene and xylenes

* A perforated conductor casing had been previously installed within the fiberglass, double-walled, waste oil UST excavation, which was designated MW-UST.

DTW: depth to water feet

TABLE 4
ANALYTICAL RESULTS OF WATER SAMPLES
 EPA 8260/8080
 Former Continental Volvo
 4030 East 14th Street, Oakland, California

Sample ID	Date	DTW	TCE	PCE	1,2-Dichlorobenzene	cis-1,2-Dichloroethane	1,2-Dichloroethane	PCE
P12-H2O	01-26-98	-	<0.5	24	<0.5	<0.5	<0.5	--
P13-H2O	01-08-01	-	65	--	<1.0	43	--	--
UST well	04-04-00	-	---	<1.0	---	---	--	<10
	01-08-01	-	<1.0	<1.0	2.8	<1.0	-	-
	07-19-02	6.62	<0.5	<0.5	2.3	<0.5	<0.5	--
	04-02-03	6.29	<5.0	<5.0	2.2	<0.5	<0.5	--
	06-30-03	7.70	<1.0	<1.0	<1.0	<1.0	<1.0	--
	12-24-03	5.99	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-1	07-19-02	8.29	210	<5.0	<5.0	110	7.8	--
	04-02-03	7.79	190	<1.0	6.6	58	7.6	--
	06-30-03	8.98	170	<1.0	<1.0	52	4.5	--
	12-24-03	7.66	27	<1.0	<1.0	<1.0	<1.0	--
MW-2	07-21-03	8.08	4.1	<1.0	<1.0	2.1	<1.0	--
	12-24-03	7.69	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-3	07-19-02	8.85	13	<0.5	<0.5	0.75	<0.5	--
	04-02-03	8.08	24	<1.0	<1.0	<1.0	<1.0	--
	06-30-03	7.45	23	<1.0	<1.0	<1.0	<1.0	--
	12-24-03	8.39	27	<1.0	<1.0	<1.0	<1.0	--

Notes:

Data in micrograms per liter: µg/l)

< - Non-detect

TPH - Total petroleum hydrocarbons (g - gasoline, d - diesel)

BTEX - Benzene, toluene, ethylbenzene and xylenes

PCB - Polychlorinated biphenols TCE - Trichloroethane

* A perforated conductor casing had been previously installed within the fiberglass, double-walled, waste oil UST excavation, which was designated MW-UST.

DTW: depth to water feet

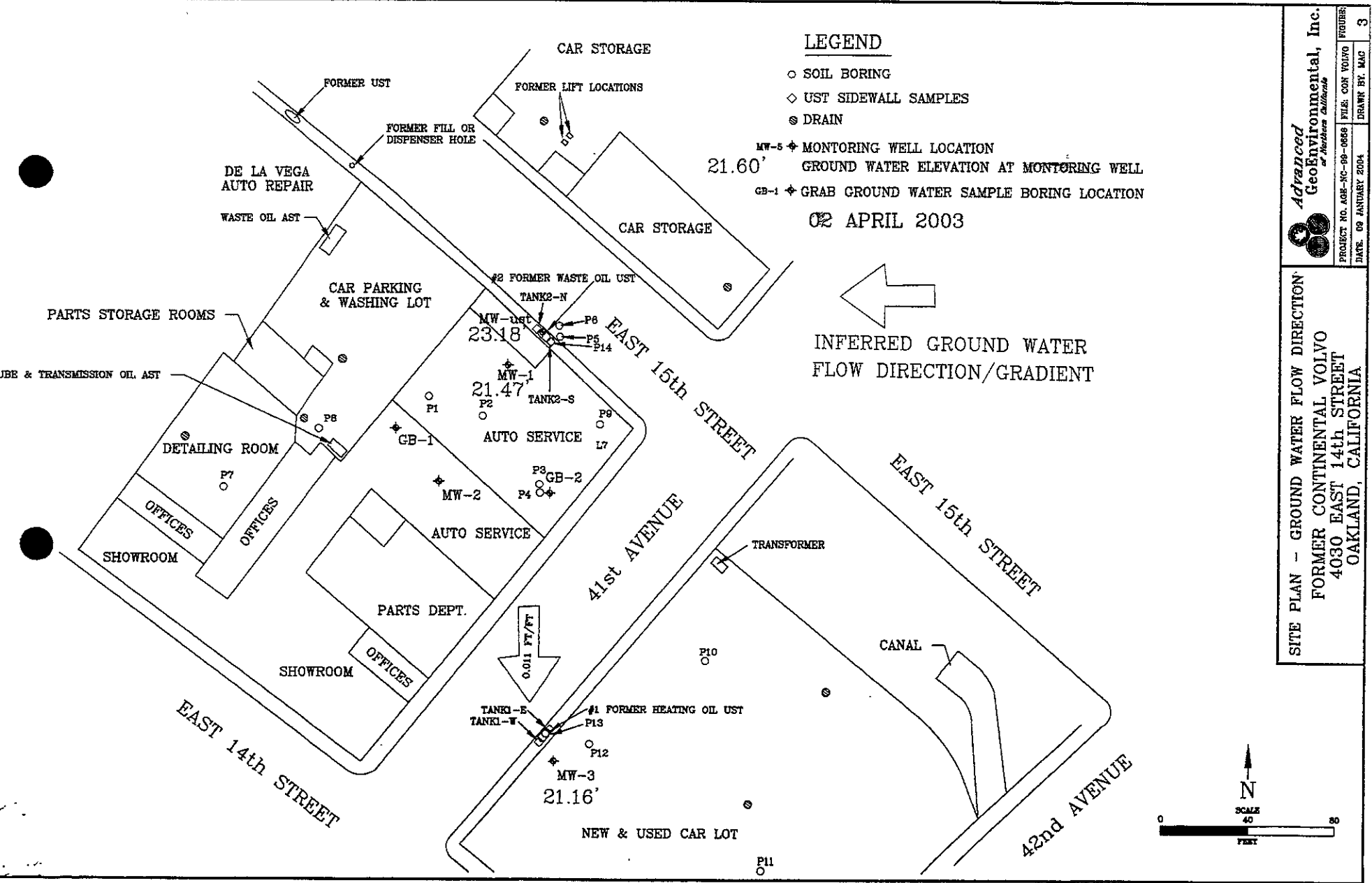
TABLE 5
Ground Water Elevation Data
Former Continental Volvo
4030 East 14th Street, Oakland, California

Well No.	Casing Elevation (Screen Interval)	Sample Date	Depth to Ground Water	Ground Water Elevation
MW-1	29.26 (10'-20')	07-19-02	10 10 8.29	20.97
		04-02-03	7.79	21.47
		06-30-03	8.98	20.28
		12-24-03	7.66	21.60
MW-2	29.31 (5'-20')	07-21-03	8.08	21.23
		12-24-03	7.69	21.62
MW-3	29.24 (10'-20')	07-19-02	8.85	20.39
		04-02-03	8.08	21.16
		06-30-03	7.45	21.79
		12-24-03	8.39	20.85
MW-UST	29.47 (5'-9')	07-19-02	6.62	22.85
		04-02-03	6.29	23.18
		06-30-03	7.70	21.77
		12-24-03	5.99	23.48

Notes:

Data in feet

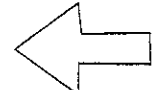
Elevation against mean sea level



LEGEND

- SOIL BORING
- ◇ UST SIDEWALL SAMPLES
- ⊙ DRAIN
- MW-5 ◆ MONITORING WELL LOCATION
GROUND WATER ELEVATION AT MONITORING WELL
- GB-1 ◆ GRAB GROUND WATER SAMPLE BORING LOCATION

02 APRIL 2003



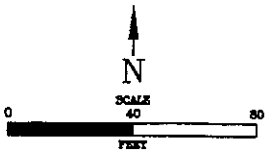
INFERRED GROUND WATER
FLOW DIRECTION/GRADIENT

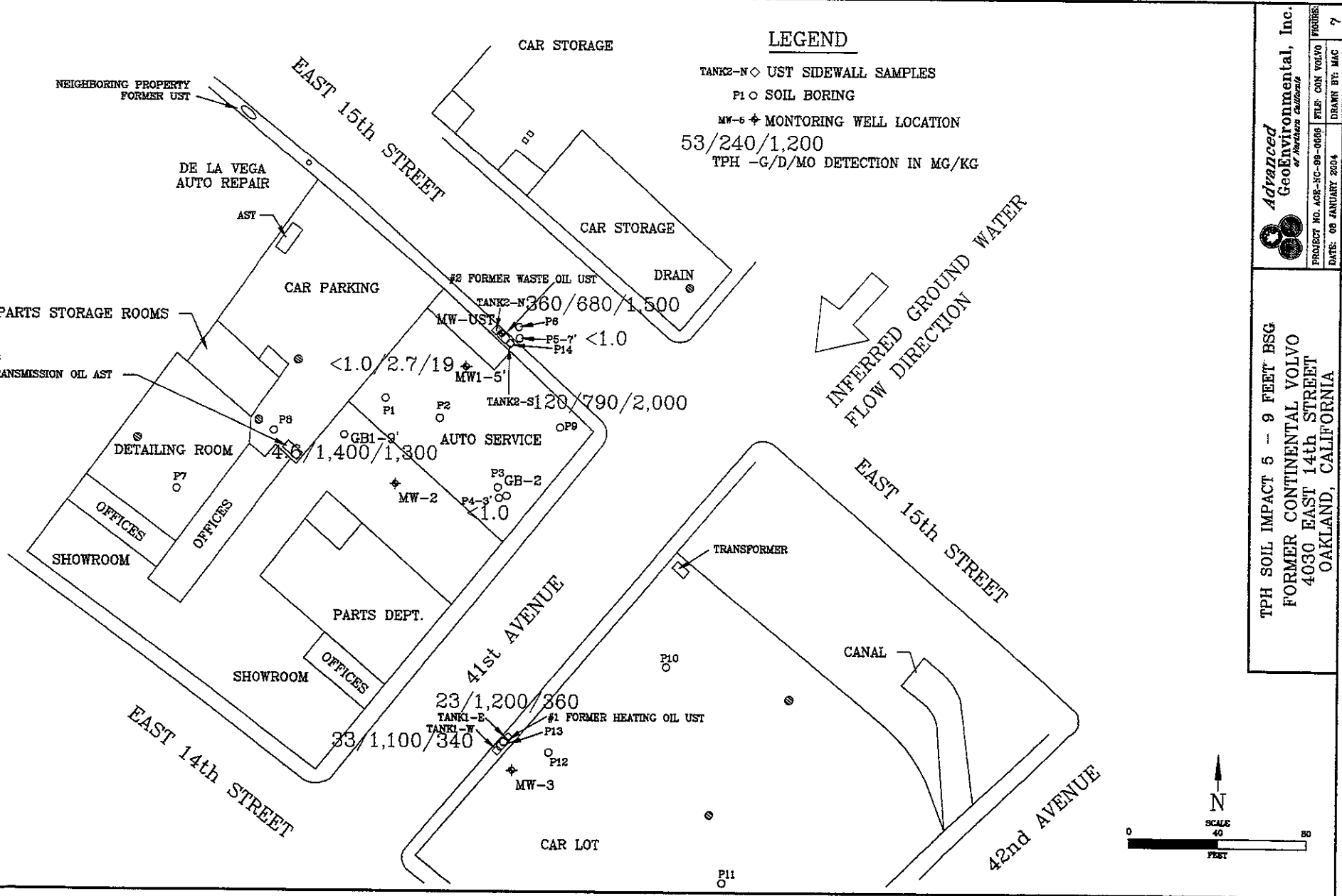
Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-KC-00-0066 FILE: CON VOLVO
DATE: 09 JANUARY 2004 DRAWN BY: MAC

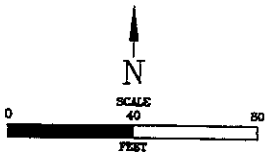
FIGURE	3
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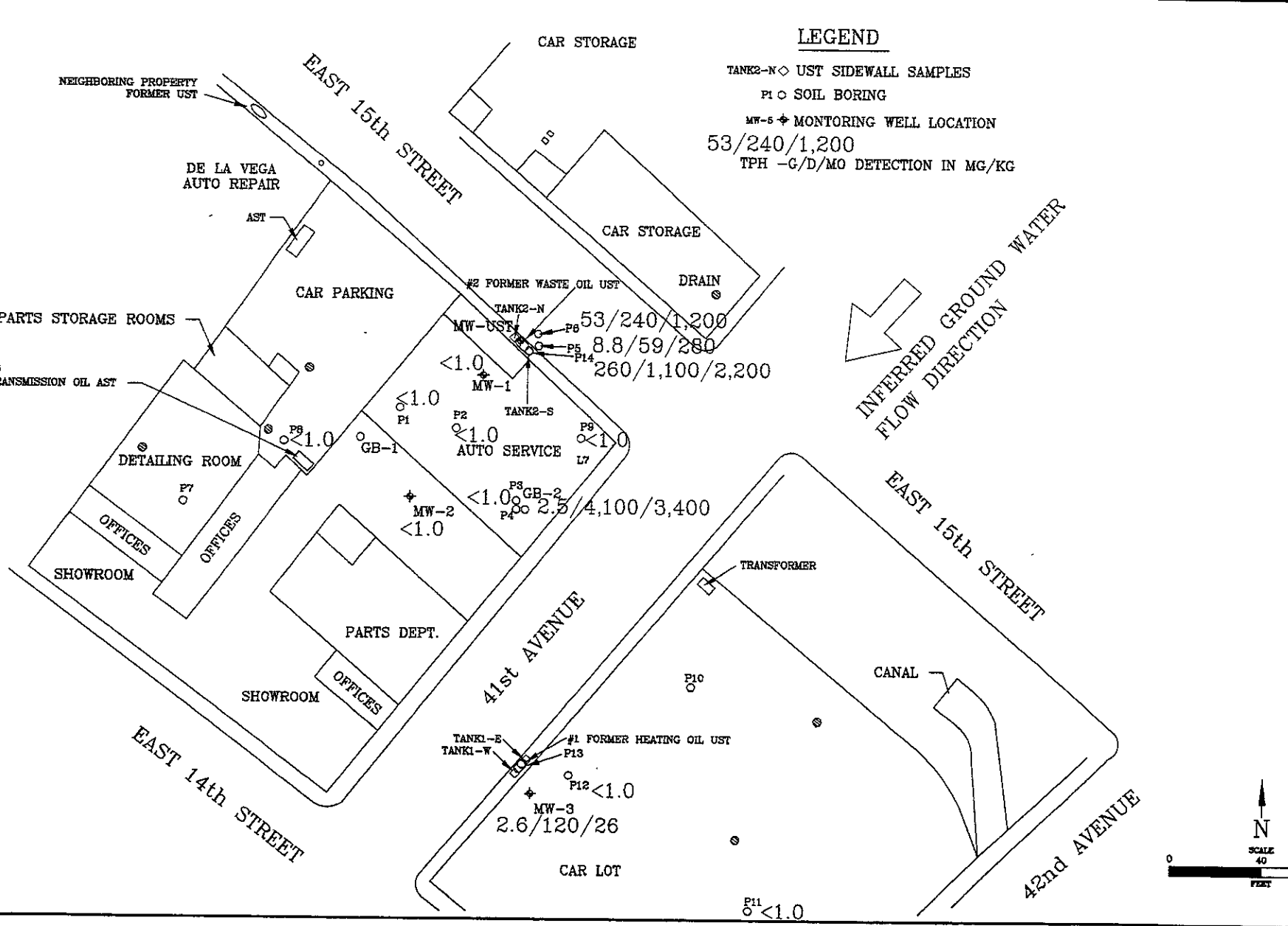
SITE PLAN - GROUND WATER FLOW DIRECTION
FORMER CONTINENTAL VOLVO
4030 EAST 14th STREET
OAKLAND, CALIFORNIA





TPH SOIL IMPACT 5 - 9 FEET BSG
FORMER CONTINENTAL VOLVO
4030 EAST 14th STREET
OAKLAND, CALIFORNIA

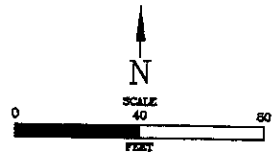


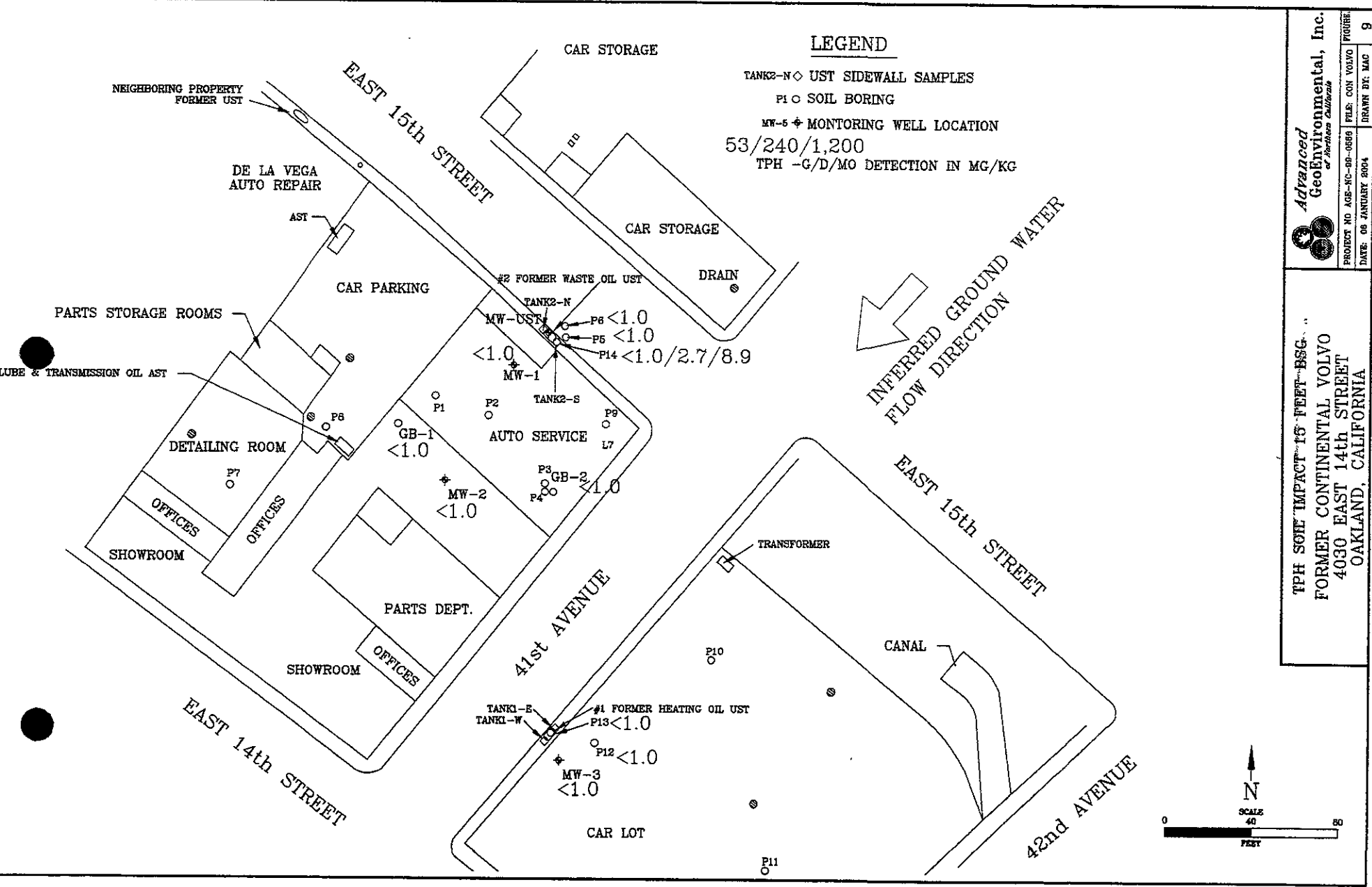


LEGEND

TANK2-N ◇ UST SIDEWALL SAMPLES
 P1 ○ SOIL BORING
 MW-5 ◆ MONITORING WELL LOCATION
 53/240/1,200
 TPH -G/D/MO DETECTION IN MG/KG

TPH SOIL IMPACT 10 FEET BSG
 FORMER CONTINENTAL VOLVO
 4030 EAST 14TH STREET
 OAKLAND, CALIFORNIA

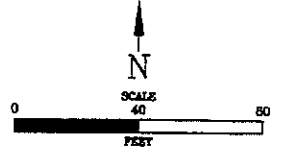




LEGEND

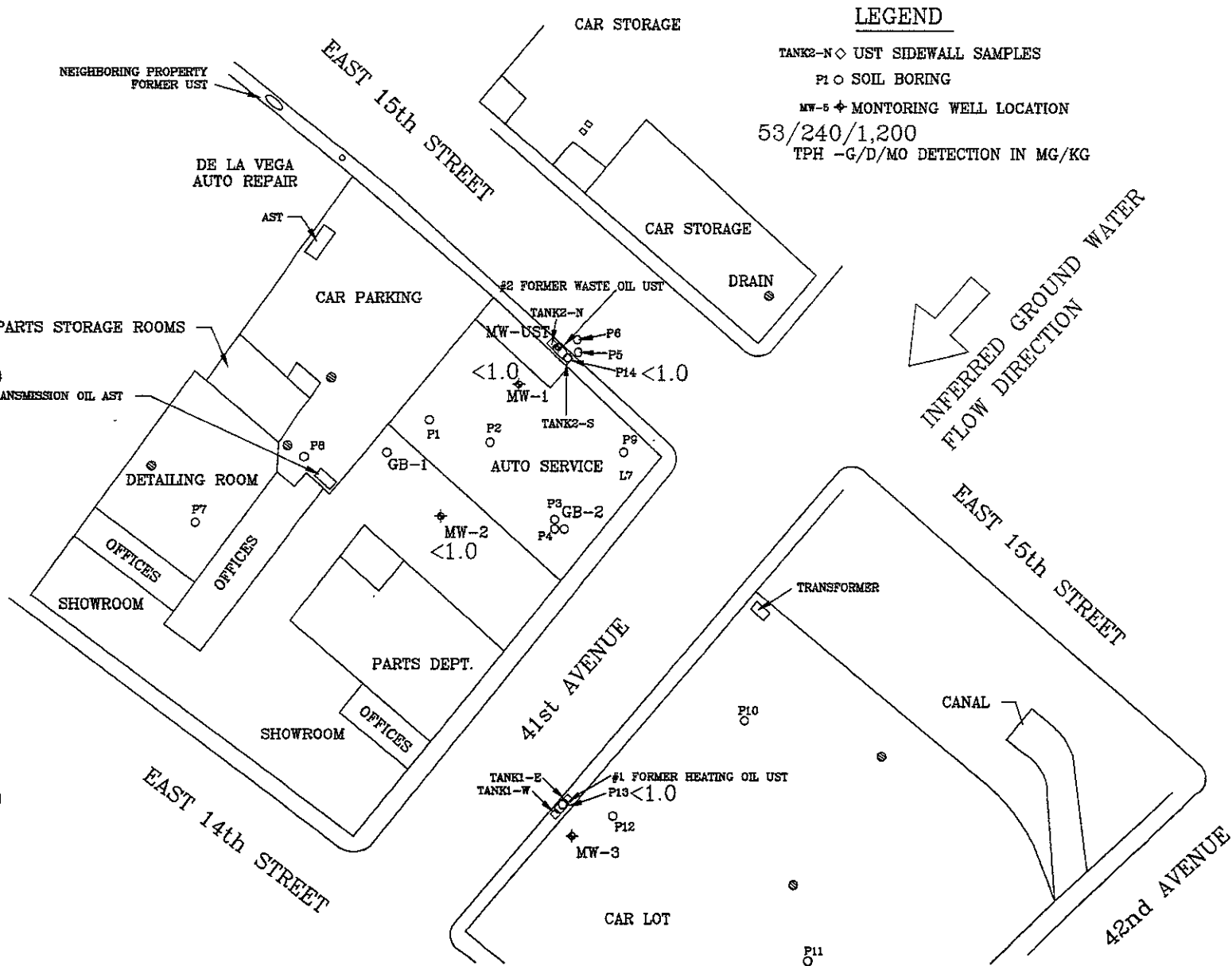
TANK2-N ◊ UST SIDEWALL SAMPLES
 P1 ○ SOIL BORING
 MW-5 ◊ MONITORING WELL LOCATION
 53/240/1,200
 TPH -G/D/MO DETECTION IN MG/KG

INFERRED GROUND WATER
 FLOW DIRECTION



Advanced Geoenvironmental, Inc.
 of Northern California
 PROJECT NO AGS-NC-88-0666 FILE: CON VOLVO FIGURE 9
 DATE: 06 JANUARY 2004 DRAWN BY: MAC

TPH SOIL IMPACT 16 FEET BSG...
 FORMER CONTINENTAL VOLVO
 4030 EAST 14th STREET
 OAKLAND, CALIFORNIA



LEGEND

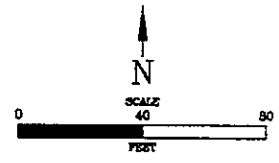
TANK2-N ◊ UST SIDEWALL SAMPLES
 P1 ○ SOIL BORING
 MW-5 ✦ MONITORING WELL LOCATION
 53/240/1,200
 TPH -G/D/MO DETECTION IN MG/KG

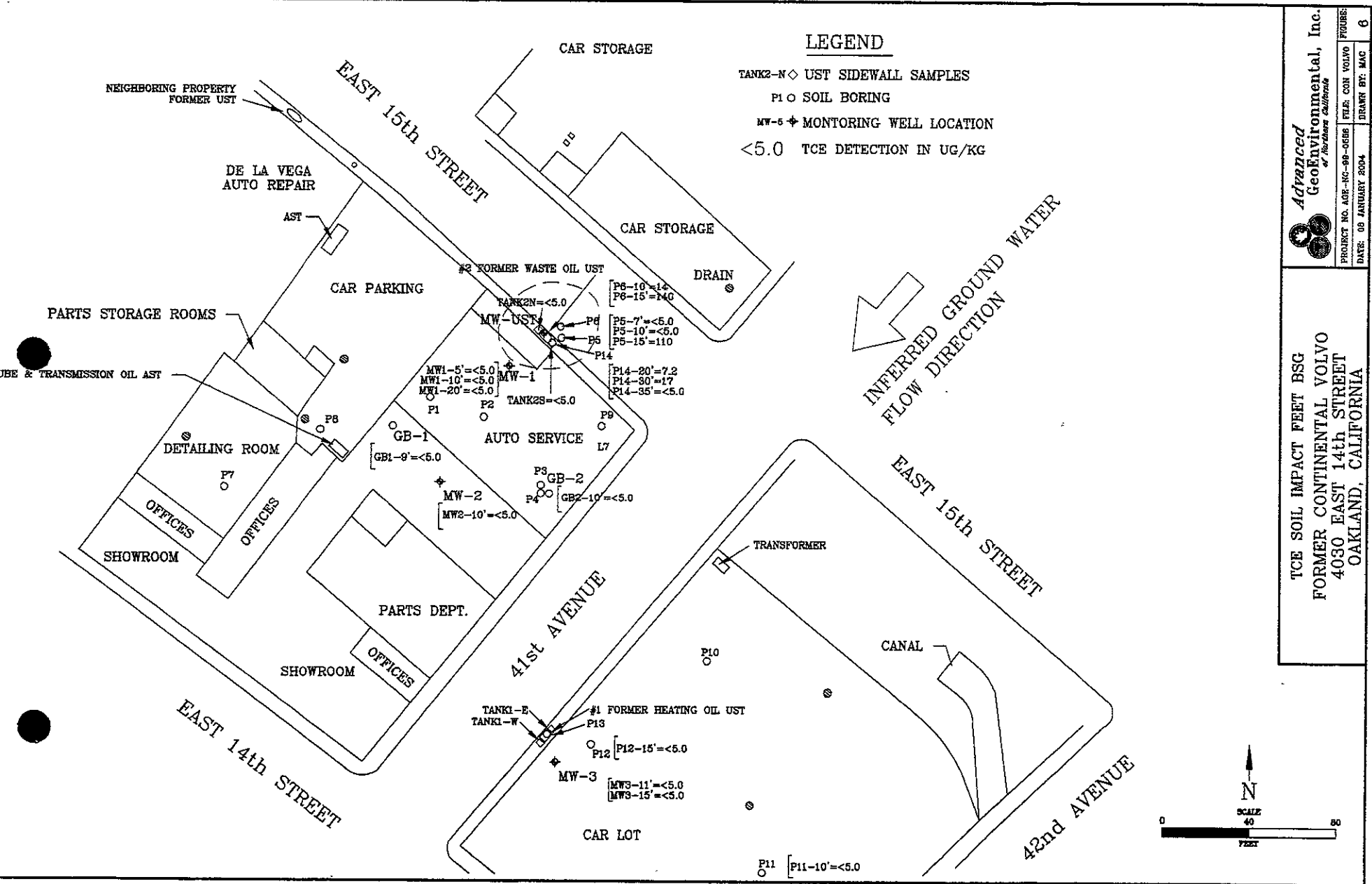
Advanced Geofinancial, Inc.
an Advanced California

PROJECT NO. AGR-NC-99-0656 FILE: CON VOLVO
 DATE: 09 JANUARY 2004 DRAWN BY: MAC

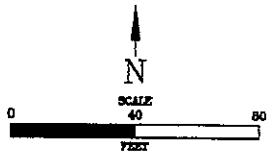
FIGURE: 10

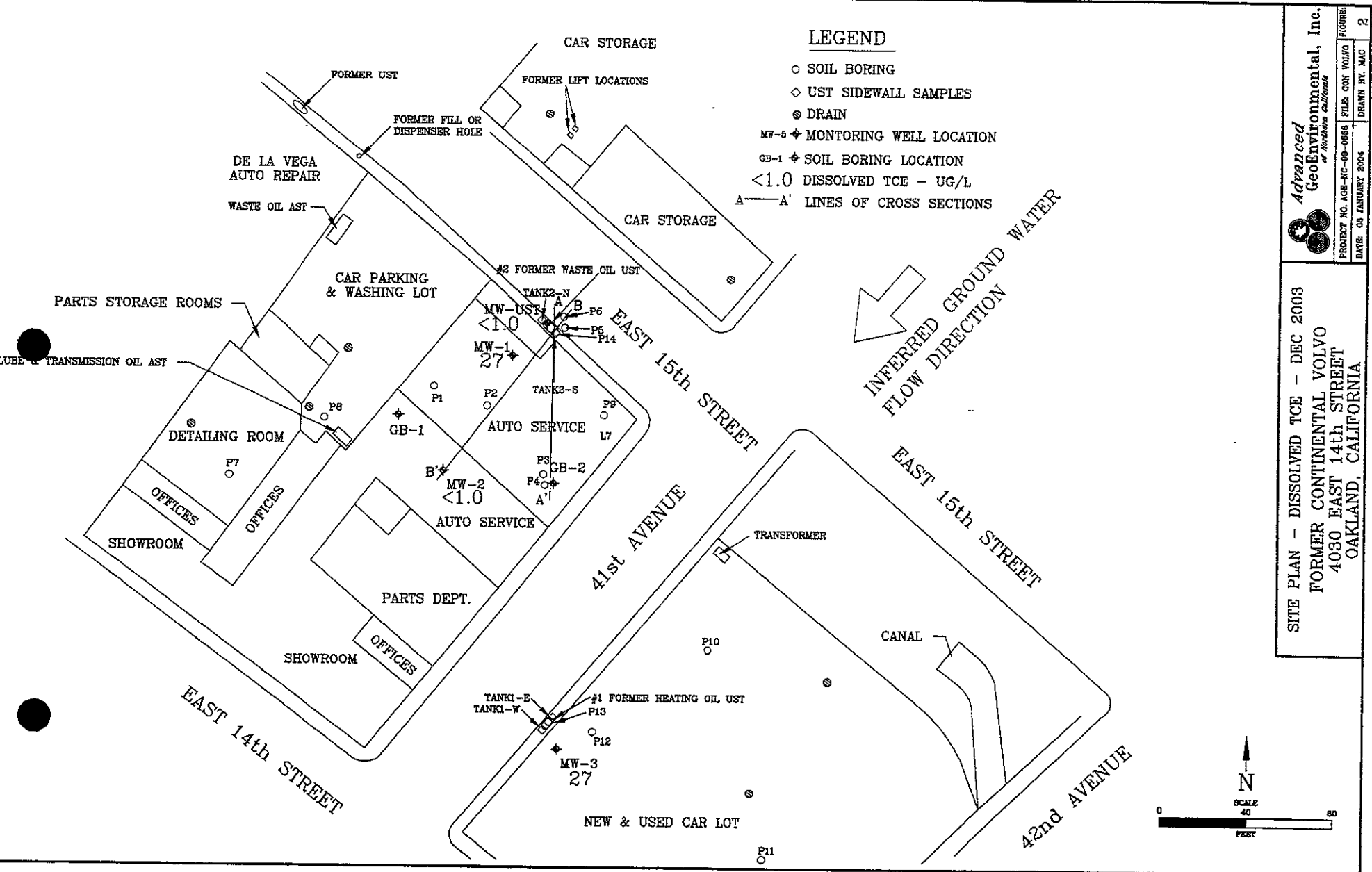
TPH SOIL IMPACT 20+ FEET BSG
 FORMER CONTINENTAL VOLVO
 4030 EAST 14th STREET
 OAKLAND, CALIFORNIA



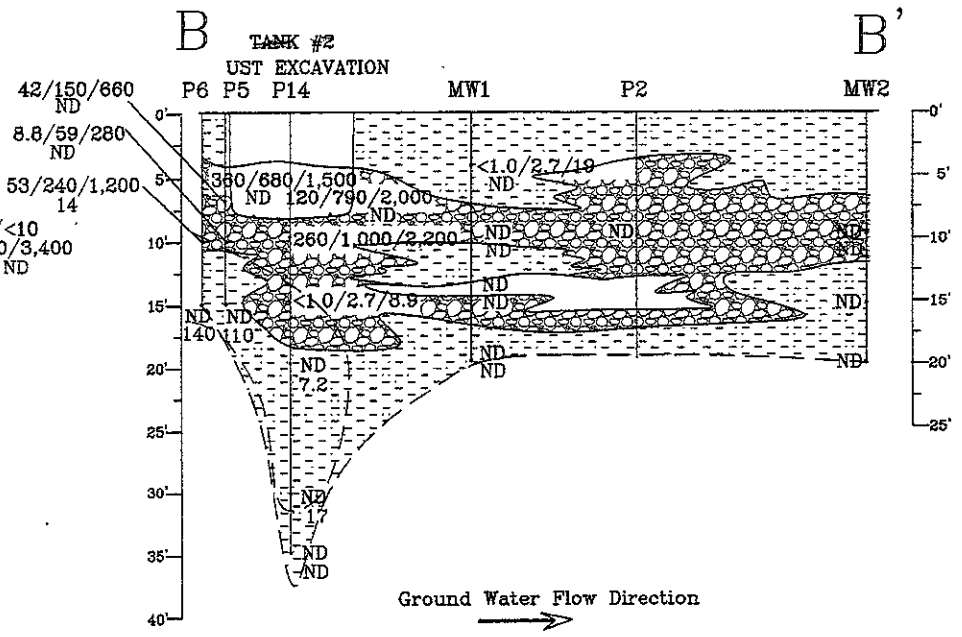
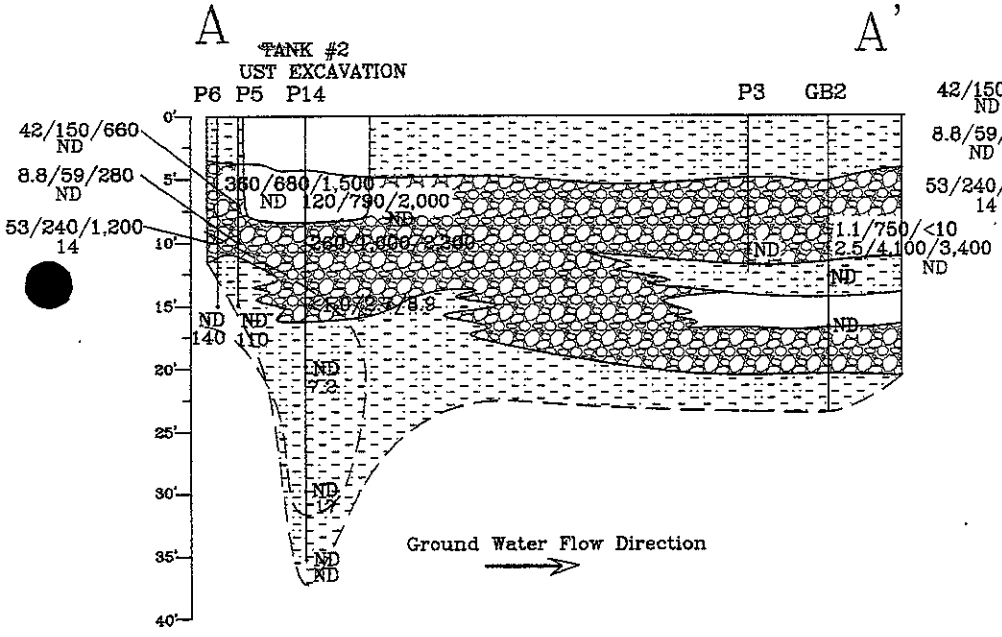


TCE SOIL IMPACT FEET BSG
FORMER CONTINENTAL VOLVO
4030 EAST 14th STREET
OAKLAND, CALIFORNIA



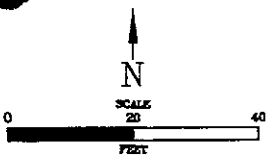


SITE PLAN - DISSOLVED TCE - DEC 2003
 FORMER CONTINENTAL VOLVO
 4030 EAST 14th STREET
 OAKLAND, CALIFORNIA



LEGEND

- SILT/CLAY
- SILTY SAND OR SAND
- GRAVEL AND SILTY GRAVEL
- $<1.0/<1.0/<10$ • SOIL SAMPLE LOCATION
- EPH - G/D/MO DETECTION - MG/KG
- TCE DETECTIONS - UG/KG
- DISTRIBUTION OF ADSORBED TCE



CROSS SECTION		
FORMER CONTINENTAL VOLVO		
4030 EAST 14th STREET		
OAKLAND, CALIFORNIA		
		Advanced GeoEnvironmental, Inc. <i>of Northern California</i>
PROJECT NO. 99-0556	FILE: CSES2C	FIGURE:
DATE: 08 JANUARY 2004	DRAWN BY: MAC	5

Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P1 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	10 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	OVA Reading (ppm)	Flow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
5	P1-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P1-10	0	-	GM		Tan, moist, silty GRAVEL, no hydrocarbon (HC) odor.
15						Soil boring total depth 10 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered
20						

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Geo-Environmental Inc.

ATTACHMENT 8

Project:	Continental Volvo	Project No.:	99-0556	BORING NO.:
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	20 feet	
Drilling Co.:	AGE	Date:	January 1999	Page 1 of 1
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
5	P2-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P2-10	0	-	GM		Tan, moist, silty GRAVEL, no HC odor.
15	P2-15	0	-	SM		Tan, moist, silty SAND, no HC odor.
20	P2-20	0	-	CL		Tan, moist, silty CLAY, no HC odor.
						Soil boring total depth 20 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered

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GeoEnvironmental, Inc.



Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P3 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	10 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	QVA Reading (ppm)	Blow Counts (psf/6")	USCS Class	Graphic Log	Lithologic Description
5	P3-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P3-10	0	-	CL		Tan, moist, silty CLAY, no HC odor.
15						Soil boring total depth 10 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered
20						

Project:	Continental Volvo	Project No.:	99-0556	BORING NO.:
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	5 feet	
Drilling Co.:	AGE	Date:	January 1999	Page 1 of 1
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	



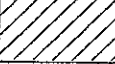

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (bpf)	USCS Class	Graphic Log	Lithologic Description
	P4-3	0	-	GM		Brown, dry, silty GRAVEL, no hydrocarbon (HC) odor.
5	P3-5	0	-	CL		Tan, dry, silty CLAY, no HC odor.
10						Soil boring total depth 5 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered
15						
20						

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Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P5 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	15 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	CVA Reading (ppm)	Blow Counts (pcf)	USCS Class	Graphic Log	Lithologic Description
5	P5-5	61	-	CL		Green gray, dry, silty CLAY, strong hydrocarbon (HC) odor.
	P5-7	62	-	CL		Gray, moist, silty CLAY, strong HC odor.
10	P5-10	43	-	CL		Tan, moist, silty CLAY, slight HC odor.
15	P5-15	0		CL		Tan, moist, silty CLAY, no HC odor.
						Soil boring total depth 15 feet bsg Soil boring backfilled complete with portland cement ground water was not encountered
20						

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Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P6
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	30 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	Page 1 of 1
		Reviewed by:	Henderson	

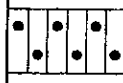
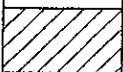
Depth (feet)	Sample ID	GVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
5	P6-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P6-10	15	-	GM		Tan, moist, silty GRAVEL, slight HC odor.
15	P6-15	0	-	CL		Tan, moist, silty CLAY, no HC odor.
20						Soil boring total depth 30 feet bsg, sampled to 15 feet bsg Soil boring backfilled complete with portland cement ground water was not encountered

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Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P7 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	10 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (per ft)	USCS Class	Graphic Log	Lithologic Description
5	P7-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P7-10	0	-	CL		Tan, moist, silty CLAY, no hydrocarbon (HC) odor.
15						Soil boring total depth 10 feet bsg Soil boring backfilled complete with portland cement ground water was not encountered
20						

Advanced


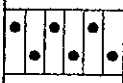
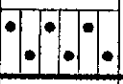
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Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P8 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	10 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	CYA Reading (ppm)	Blow Counts (pcf)	USGS Class	Graphic Log	Lithologic Description
5	P8-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P8-10	0	-	CL		Tan, moist, silty CLAY, no hydrocarbon (HC) odor.
15						Soil boring total depth 10 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered
20						

Project:	Continental Volvo	Project No.:	99-0556	BORING NO.:
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	10 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	Page 1 of 1
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	OTFA Reading (ppm)	Blow Counts (per 5')	USCS Class	Graphic Log	Lithologic Description
	P9-3	0	-	CL		Brown, dry, silty CLAY, no hydrocarbon (HC) odor.
5	P9-5	0	-	GM		Tan, dry, silty GRAVEL, no HC odor.
10	P9-10	0	-	GM		Tan, moist, silty GRAVEL, no HC odor.
						Soil boring total depth 10 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered
15						
20						

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Project:	Continental Volvo	Project No.:	99-0556	BORING NO.:
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	15 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	Page 1 of 1
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
5	P10-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P10-10	0	-	GM		Tan, moist, silty GRAVEL, no HC odor.
15	P10-15	0	-	GM		Tan, dry, silty GRAVEL, no HC odor.
20						Soil boring total depth 15 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered

Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P11 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	15 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	



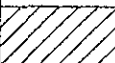
Depth (feet)	Sample ID	QTY Reading (ppm)	Blow Count (ASTM)	USCS Class	Graphic Log	Lithologic Description
5	P11-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P11-10	0	-	SM		Tan, moist, silty SAND, no HC odor.
15	P11-15	0	-	CL		Tan, wet, silty CLAY, no HC odor.
20						Soil boring total depth 15 feet bsg Soil boring backfilled completely with portland cement ground water was not encountered

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Project:	Continental Volvo	Project No.:	99-0556	BORING NO.: P12 Page 1 of 1
Site Address:	4030 International Blvd. Oakland, CA 94601	Total Depth:	15 feet	
Drilling Co.:	AGE	Date:	January 1999	
Rig/Auger Type:	Geoprobe 5400	Logged by:	Little	
		Reviewed by:	Henderson	

Depth (feet)	Sample ID	QVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
5	P12-5	0	-	GM		Tan, dry, silty GRAVEL, no hydrocarbon (HC) odor.
10	P12-10	0	-	GM		Tan, moist, silty GRAVEL, no HC odor.
15	P12-15	0	-	CL		Tan, wet, silty CLAY, no HC odor.
20						Soil boring total depth 15 feet bsg Soil boring backfilled completely with portland cement ground water encountered at 10 to 15 feet

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BORING LOG

BOREHOLE NO.: **P13**

TOTAL DEPTH: **35 feet**

Project: Continental Volvo
Site Location: 4030 East 14th Street
Oakland California

Project No.: AGE-NC-99-0556

Drilling Co.: Enviroprobe
Rig/Auger Type: Geoprobe 5400 / 1.25" rods
Logged By: W. LITTLE
Reviewed By: nch
Date(s) Drilled: 01/18/01

Notes: BACKFILLED WITH PORTLAND CEMENT
Ground water sample collected at 35 feet bsg

☒ Water level during drilling
☒ Water level in completed well
Page 1 of 1

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
-10	P13-10				GP: POORLY GRADED GRAVEL, with 40% fines, gray, dry to damp, angular clasts, hydrocarbon (HC) odor.
-15	P13-15				GP: POORLY GRADED GRAVEL, with 40% fines, gray, dry to damp, angular clasts, HC odor.
-20	P13-20				CL: CLAY, gray, damp, low t, med plast, HC odor.
-25	P13-25				CL: CLAY, gray, damp, low t, med plast, HC odor.
-30	P13-30				SM: SILTY SAND, 100% fine sand, gray, damp, low HC odor.
-35	P13-35				CL: CLAY, gray, damp, low t, med plast, HC odor.
-40					



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BORING LOG

BOREHOLE NO.: **P14**

TOTAL DEPTH: **35 feet**

Project: Continental Volvo
Site Location: 4030 East 14th Street
Oakland California

Project No.: AGE-NC-99-0556

Drilling Co.: Enviroprobe
Rig/Auger Type: Geoprobe 5400 / 1.25" rods
Logged By: W. LITTLE
Reviewed By: nch
Date(s) Drilled: 01/18/01

Notes: BACKFILLED WITH PORTLAND CEMENT
Ground water sample not collected , no water at 35 feet bsg

☒ Water level during drilling
☒ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
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0					
-5					
-10	P14-10				GP: POORLY GRADED GRAVEL, with 40% fines, gray, dry to damp, angular clasts, hydrocarbon (HC) odor.
-15	P14-15				GP: POORLY GRADED GRAVEL, with 40% fines, gray, dry to damp, angular clasts, HC odor.
-20	P14-20				CL: CLAY, gray, damp, low t, med plast, HC odor.
-25	P14-25				
-30	P14-30				
-35	P14-35				
-40					



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BORING LOG

BOREHOLE NO.: **GB1**

TOTAL DEPTH: **24 feet**

Project: Continental Volvo	Drilling Co.: Enviroprobe
Site Location: 4030 East 14th Street Oakland California	Rig/Auger Type: Geoprobe 5400 / 1.25" rods
Project No.: AGE-NC-99-0556	Logged By: W. LITTLE
	Reviewed By: C LEE
	Date(s) Drilled: 30 june 2003

Notes: BACKFILLED WITH PORTLAND CEMENT
ground water not detected in soil borings

Water level during drilling
 Water level in completed well

Page 1 of 1

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
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0					
-5					
-10	GB1-9 GB1-10	10 13			CL: CLAY, gray, damp, low t, med plast, 20% gravel, hydrocarbon (HC) odor.
-15	GB1-13	3			CL: CLAY, tan, damp, low t, med plast, no HC odor.
-17	GB1-17	0			SM: SILTY SAND, 100% fine sand, gray, damp, no HC odor.
-20	GB1-21	0			GP: POORLY GRADED GRAVEL, with 40% fines, tan, dry to damp, angular clasts, no HC odor.
-25					CL: CLAY, tan, damp, low t, med plast, no HC odor.
-30					
-35					
-40					



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BORING LOG

BOREHOLE NO.: **GB2**

TOTAL DEPTH: **24 feet**

Project: Continental Volvo
Site Location: 4030 East 14th Street
Oakland California

Project No.: AGE-NC-99-0556

Drilling Co.: Enviroprobe
Rig/Auger Type: Geoprobe 5400 / 1.25" rods
Logged By: W. LITTLE
Reviewed By: C LEE
Date(s) Drilled: 30 june 2003

Notes: BACKFILLED WITH PORTLAND CEMENT
ground water not detected in soil borings

☞ Water level during drilling
☛ Water level in completed well

Page 1 of 1

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
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0					
-5					GP: POORLY GRADED GRAVEL, with 40% fines, green-gray, dry to damp, angular clasts, hydrocarbon (HC) odor.
	GB2-8	10			
-10	GB2-10	12			
	GB2-12	14			CL: CLAY, tan, damp, low t, med plast, 30% gravel, no HC odor.
-15	GB2-16	0			SM: SILTY SAND, 100% fine sand, gray, damp, low HC odor.
-20	GB2-20	1.0			GP: POORLY GRADED GRAVEL, with 40% fines, tan, dry to damp, angular clasts, no HC odor.
	GB2-24	0			CL: CLAY, tan, damp, low t, med plast, no HC odor.
-25					
-30					
-35					
-40					



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BORING LOG

BOREHOLE NO.: MW-1

TOTAL DEPTH: **20 FEET**

Project: Continental Volvo
Site Location: 4030 East 14th Street
Oakland California

Project No.: AGE-NC-99-0556

Drilling Co.: West Haz Mat
Rig/Auger Type: CME75/8 inch hollow stem
Logged By: W. LITTLE
Reviewed By: C LEE
Date(s) Drilled: 04 June 2002

Notes: completed as ground water monitoring well MW-1
ground water encountered at ten feet bsg

☒ Water level during drilling
☒ Water level in completed well
Page 1 of 1

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					CL: CLAY, gray, damp, low toughness, med plasticity, angular gravel, hydrocarbon (HC) odor.		Cement grout seal from 5' to 6' bsg.
-5	MW1-5		0		CL: CLAY, gray, damp, low t, med plast, HC odor.		Bentonite seal from 6' to 8' bsg.
-10	MW1-10 MW1-11		890		GP: POORLY GRADED GRAVEL, with 40% fines, gray, dry to damp, angular clasts, HC odor.		#2/12 sand from 8' to 20' bsg.
-15	MW1-15		0		CL: CLAY, gray, damp, low toughness, med plasticity, low HC odor.		Screened interval from 10' to 20' bsg.
-20	MW1-20		0		SM: SILTY SAND, gray, damp, 30 % fines, 100% fine sand, no HC odor.		Cap at 20'.
-20					CL: CLAY, brown, damp, low toughness, med plasticity, no HC odor.		



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BORING LOG

BOREHOLE NO.: MW-3
TOTAL DEPTH: **20 FFET**

Project: Continental Volvo
Site Location: 4030 East 14th Street
Oakland California
Project No.: AGE-NC-99-0556

Drilling Co.: West Haz Mat
Rig/Auger Type: CME75/8 inch hollow stem
Logged By: W. LITTLE
Reviewed By: C LEE
Date(s) Drilled: 04 June 2002

Notes: completed as ground water monitoring well mw-3
ground water encountered at ten feet bsg

☒ Water level during drilling
☒ Water level in completed well
Page 1 of 1

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					CL: CLAY, gray, damp, low toughness, med plasticity, angular gravel, hydrocarbon (HC) odor.		Cement grout seal from 5' to 6' bsg.
-5	MW3-5				CL: CLAY, gray, damp, low t, med plast, HC odor.		Bentonite seal from 6' to 8' bsg.
-10	MW3-10	890			GP: POORLY GRADED GRAVEL, with 40% fines, gray, dry to damp, angular clasts, HC odor.		#2/12 sand from 8' to 20' bsg.
-15	MW3-15				CL: CLAY, gray, damp, low toughness, med plasticity, low HC odor.		Screened interval from 10' to 20' bsg.
-20	MW3-20				CL: CLAY, brown, damp, low toughness, med plasticity, no HC odor.		Cap at 20'.
-25							