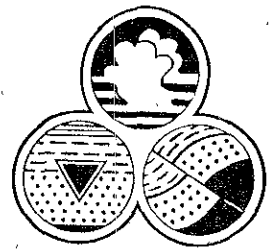


Advanced GeoEnvironmental, Inc.



04 October 2003
AGE-NC Project No. 99-0556

✓ Mr Amir Gholami
Alameda County Health Care Services
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Alameda County

NOV 10 2003

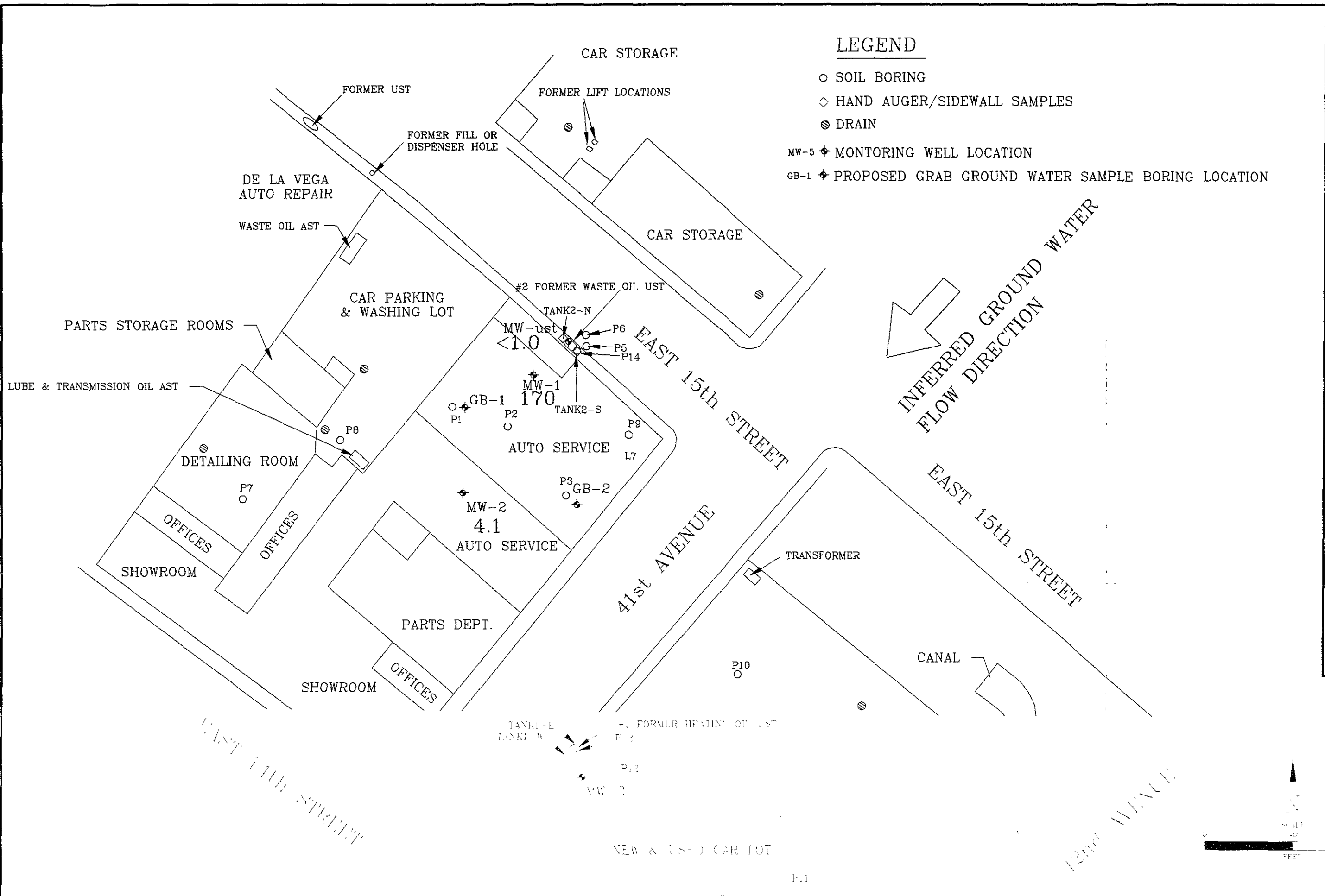
Environmental Health

**Subject: Closure Summary Request - Former Continental Volvo
4030 East 14th Street, Oakland, California**

Dear Mr Gholami:

At the request of Mr. Achim Ehrhardt of the former Continental Volvo, Inc. *Advanced GeoEnvironmental, Inc.* has prepared this letter to clarify the use and disposition of former underground storage tanks for the site located at 4030 East 14th Street in Oakland and request clarification for site closure.

- Based on the information currently at AGE's disposal, one underground storage tank (UST) was removed from the site in April 1984 or 1985. A 550-gallon waste oil UST was located in the northeastern sidewalk of the site. A new double-walled, fiberglass, 1,000-gallon UST for waste-oil was then installed in the same location, see Figure 2.
- On 04 May 2000, two USTs were removed from site under permit. Tank #1 were utilized for heating oil located in the sidewalk near the parking lot area on 41st Street, while tank #2 was the 1,000-gallon fiberglass UST used to store waste oil at the northern edge of the service area, see Figure 2.
- Sixteen soil borings and a total of three conventional ground water monitoring wells have been installed and sampled. One additional sampling point (MW-UST) is located within the former waste oil UST excavation, installed in the pea gravel UST backfill material, see Figure 2.
- Petroleum hydrocarbon-impacted soil appears to be limited to the former UST areas, to a depth of between 10 and 15 feet bsg. TCE has been detected at a depth of 15 feet bsg in previous soil borings adjacent to, but up-gradient of the former waste oil UST (in the AGE-prepared *Preliminary Subsurface Investigation* report, March 1999). The chlorinated cleaning solvent TCE, was detected at low concentrations in soils samples at a depth of 15 feet bsg, well below the water table in the area of the waste oil tank. Concentrations of TCE detected in soil, did not exceed 140 microgram per kilogram.



LEGEND

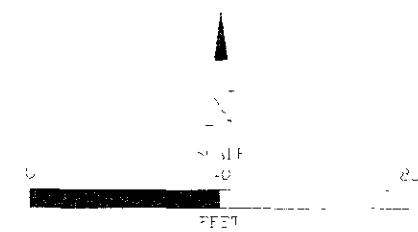
- SOIL BORING
- ◇ HAND AUGER/SIDEWALL SAMPLES
- ⊗ DRAIN
- MW-5 ⊕ MONITORING WELL LOCATION
- GB-1 ⊕ PROPOSED GRAB GROUND WATER SAMPLE BORING LOCATION

Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-NC-99-0566 FILE: CON VOLVO
 DATE: 22 FEBRUARY 2002 DRAWN BY MAC

FIGURE 3

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

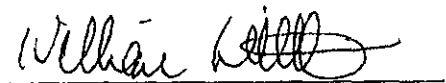


- The vertical or lateral extent of the TCE contamination, along with hydrocarbons, are defined within the City of Oakland Right-Of-Way, which consist of the southern sidewalk of 15 Street and some southern portion of 15 Street, making soil remediation unfeasible due to utility infrastructure.
- The highest concentrations of dissolved petroleum hydrocarbons and solvents were detected within the former waste oil UST area. The lateral extent of detected solvent TCE is depicted in Figure 3.
- The lack of detection of MTBE in soil samples and the water sample collected from the site suggests that the release of fuels is relatively old, possibly more than twenty years old. The lack of detection of hydrocarbons in the service bay indicates no significant releases of petroleum, down gradient of the former waste oil UST.

No domestic water wells, state or federal water wells were identified within a 1-mile radius, thus use of ground water at the site is not endangered by the release of hydrocarbons from the former UST. Therefore, based on site-specific data, the site qualifies for a low risk closure and AGE continues to recommend site closure. If insufficient data is present for site closure, respond to the Closure Summary Report in written form by 26 November 2003.

If you have any question or require further information regarding this work plan, please contact Mr. William Little of our office at (209) 467-1006.

Sincerely,
Advanced GeoEnvironmental, Inc.



William Little
Project Geologist
California Registered Geologist No. 7473

cc: Mr. Achim Ehrhardt former Continental Volvo, Inc.

TABLE 2
ANALYTICAL RESULTS OF SOIL SAMPLES EPA 8080/3550 & 8260
 Former Continental Volvo - 4030 East 14th Street, Oakland, California

Sample I.D.	Date	TCE	PCE	1,2-Dichlorobenzene	cis-1,2-Dichloroethane
P5-7	01/26/99	<5.0	<5.0	11	<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	--		--	--
Tank2-S	04/04/00	--		--	--
P14-20	01/08/01	7.2		<5.0	<5.0
P14-30	01/08/01	17		<5.0	<5.0
P14-35	01/08/01	<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

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

Sample I.D.	Date	TCE	PCE	1,2-Dichlorobenzene	cis-1,2-Dichloroethane	1,2-Dichloroethane
P13	01/08/01	65	--	<1.0	43	--
Tank2-H ₂ O	04/04/00	---	<1.0	---	---	--
UST#2	01/08/01	<1.0	<1.0	2.8	<1.0	--
MW-1	07-19-02	210	<5.0	<5.0	110	7.8
MW-3	07-19-02	12	<0.5	<0.5	0.75	<0.5
UST well	04-02-03	<5.0	<5.0	2.2	<0.5	<0.5
MW-1	04-02-03	190	<1.0	6.6	58	7.6
MW-3	04-02-03	24	<1.0	<1.0	<1.0	<1.0
UST well	06-30-03	<1.0	<1.0	<1.0	<1.0	<1.0
MW-1	06-30-03	170	<1.0	<1.0	52	4.5
MW-3	06-30-03	23	<1.0	<1.0	<1.0	<1.0
MW-2	07-21-03	4.1	<1.0	<1.0	2.1	<1.0

Notes:

Data in micrograms per liter: µg/l)

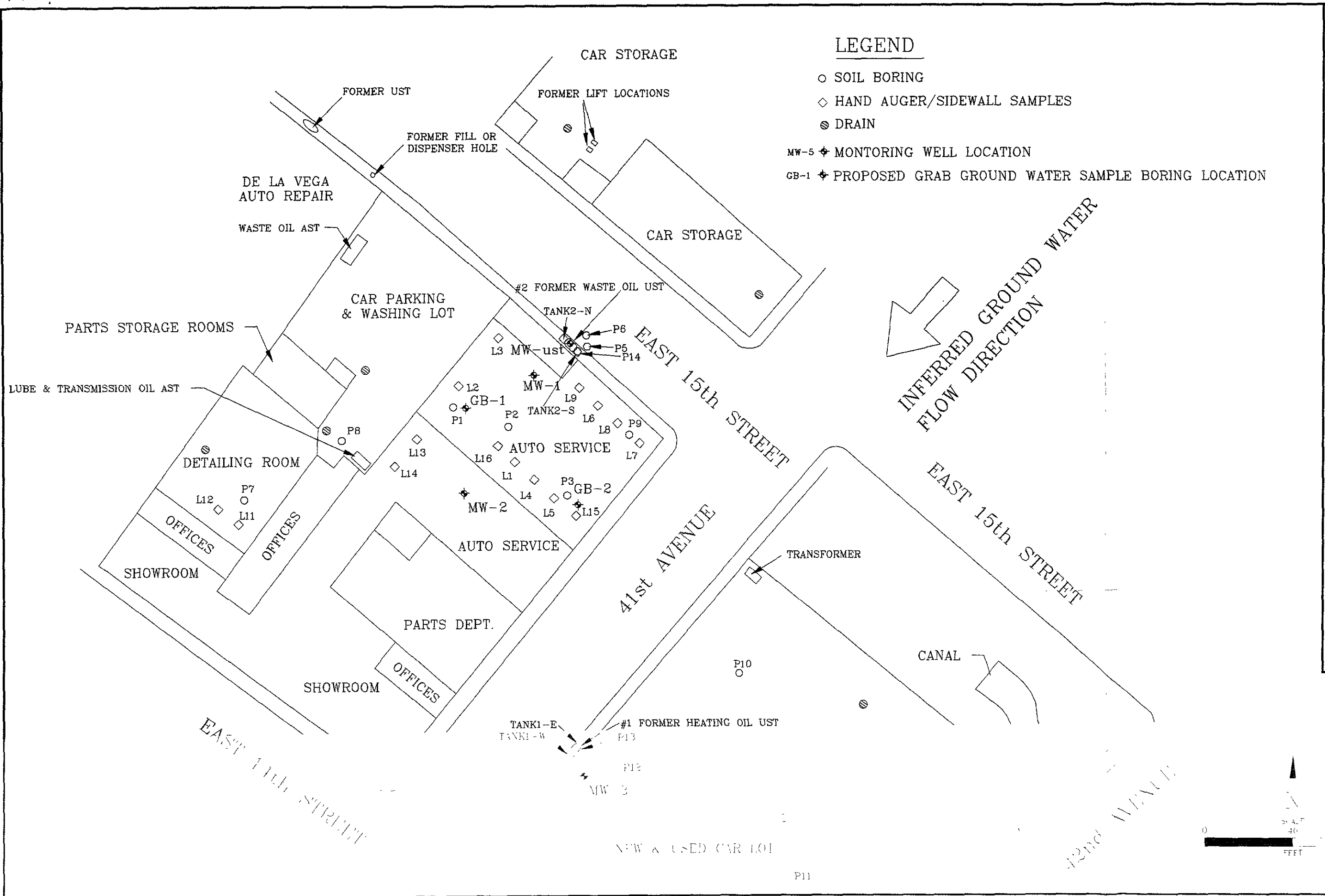
< - Non-detect

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

BTEX - Benzene, toluene, ethylbenzene and xylenes

PCB - Polychlorinated biphenols

TCE - Trichloroethane



LEGEND

- SOIL BORING
- ◇ HAND AUGER/SIDEWALL SAMPLES
- ⊙ DRAIN
- MW-5 ⊕ MONITORING WELL LOCATION
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SITE PLAN - WELL LOCATIONS
FORMER CONTINENTAL VOLVO
4030 EAST 14th STREET
OAKLAND, CALIFORNIA

