ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

March 1, 2000
StID # 578

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Archie Azizian
16441 Saratoga St.
San Leandro, CA 94578

RE: Former Superior Auto Body, 7933 E. 14th St., Oakland CA 94621

Dear Mr. Azizian:

This letter confirms the completion of site investigation and remedial action for the one (1) 800 gallon waste oil underground tank 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 tank is greatly appreciated.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: B. Chan, Hazardous Materials Division-files
Chuck Headlee, RWQCB
Mr. Dave Deaner, SWRCB Cleanup Fund
Mr. Leroy Griffin, City of Oakland OES, 1605 Martin Luther King Dr., Oakland CA 94612

RACC7933E14th

CL R0740

ALAMEDA COUNTY
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March 1, 2000
StID# 578

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

Mr. Archie Azizian
16441 Saratoga St.
San Leandro, CA 94578

RE: Fuel Leak Site Case Closure, Former Superio Auto Body, 7933 E. 14th St., Oakland CA 94621

Dear Mr. Azizian:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with the Health and Safety Code, 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 Health Services, Local Oversight Program (LOP) is required to use this case closure letter. We are also enclosing the case closure summary. This document confirms the completion of the investigation and cleanup of the reported release at the subject site.

Site Investigation and Cleanup Summary:

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

* 73 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg),1500 ppm, 190 ppm Total Recoverable Petroleum Hydrocarbon (TRPH) and 0.12 ppm chlorobenzene, respectively remain in the soil at the site.

This site should be included in the City's permit tracking system. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M Chan

Barney M. Chan
Hazardous Materials Specialist

enclosures: Case Closure Letter, Case Closure Summary

c: Mr. L. Griffin, City of Oakland OES, 1605 MLK Jr. Way, Oakland CA 94612
B. Chan, files (letter only)

Trlt 793314th

RB# 01-2406

FEB 11 2000

ENVIRONMENTAL PROTECTION

00 FEB 22 PM 3:19

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: January 7,2000**

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Parkway Rm 250, Alameda CA 94502**

City/State/Zip: **Alameda** Phone: **(510) 567-6700**

Responsible staff person:Barney Chan Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: Former Superior Auto Body

Site facility address: 7933 E. 14th St., Oakland CA 94621

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: 578

ULR filing date: 01/03/97 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
1. Mr. Archie Azizian	16441 Saratoga St. San Leandro CA 94578	510-276-6001

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	800	waste oil	removed	11/27/96

III RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: possibly from the holes observed in tanks

Site characterization complete? Yes

Date approved by oversight agency:

Monitoring Wells installed? no Number:

Proper screened interval? NA
Highest GW depth: Approx. 11' bgs based on DTW in open pit

Flow direction: west-southwesterly, based upon the gradient of the adjacent property at 7915 E. 14th St.

Leaking Underground Fuel Storage Program

Most sensitive current use: commercial/industrial

Are drinking water wells affected? No Aquifer name: NA

Is surface water affected? No Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? **Yes** Where is report(s)? Alameda County
1131 Harbor Bay Parkway,
Room 250, Alameda CA 94502-6577

and City of Oakland, OES
1605 Martin Luther King Dr.
Oakland CA 94612

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tanks	1-800 gallon	Disposed, Erickson Richmond	11/27/96
Soil	12 cy	Disposed, BFI, Livermore	1/127/97
	~10 cy	Reused as backfill after determining "clean"	

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)			Water (ppb)	
	1Before	2After		3Before	After 4
TPH (Gas)	270	ND	*73.2	900	ND
TPH (Diesel)	1800	ND		31,000	ND
Benzene	ND	ND		0.94	NA
Toluene	0.051	ND		0.87	NA
Ethylbenzene	0.078	ND		0.79	NA
Xylenes	0.64	ND		1.2	NA
Oil and Grease	3500				
TRPH (418.1)		190 #		59,000	ND
HVOC's (chlorobenzene)		0.12 #		550	ND
Semi-volatiles (PAH)	ND				
MTBE	ND			ND	NA
Heavy metals (Cd,Cr,Pb,Ni,Zn)	ND,56,8.6,48,59				

Comments (Depth of Remediation, etc.):
1 original soil samples EX1 and EX2
2 soil sample after 12/18/96 over-excavation, * soil boring SB-1B,# spoils reused as backfill
3 grab gw sample after 12/18/96 over-excavation
4 grab gw samples W-1 through W-4 (10/4/99)

Leaking Underground Fuel Storage Tank Program

IV. **CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES

Site management requirements: site should be included in the City of Oakland Permit Tracking System. A site health and safety plan will be required for any subsurface work.

Should corrective action be reviewed if land use changes? Yes

Monitoring wells Decommisioned: NA

Number Decommisioned: Number Retained:

List enforcement actions taken: pre-enforcement hearing 5/7/97

List enforcement actions rescinded: above

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan Title: Hazardous Materials Specialist

Signature: Barney M Chan Date: 2-9-00

Reviewed by

Name: Tom Peacock Title: Manager

Signature: Tom Peacock Date: 2-9-00

Name: Eva Chu Title: Hazardous Materials Specialist

Signature: Eva Chu Date: 1/13/00

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: concur

RWQCB Staff Name: C. Headlee Title: AEG Date: 2/15/00

To: C. Headlee RWQCB
From: B. Chan ACEH-UST
RE: RB# 01-2406
7933 Edgewater Dr. 94621
Pls. sign & fax back
FAX - 510-337-9335

Leaking Underground Fuel Storage Tank Program

IV. **CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES

Site management requirements: site should be included in the City of Oakland Permit Tracking System. A site health and safety plan will be required for any subsurface work.

Should corrective action be reviewed if land use changes? Yes

Monitoring wells Decommisioned: NA

Number Decommisioned: Number Retained:

List enforcement actions taken: pre-enforcement hearing 5/7/97

List enforcement actions rescinded: above

V. **LOCAL AGENCY REPRESENTATIVE DATA**

Name: Barney M. Chan Title: Hazardous Materials Specialist

Signature: Barney M Chan Date: 2-9-00

Reviewed by

Name: Tom Peacock Title: Manager

Signature: Tom Peacock Date: 2-9-00

Name: Eva Chu Title: Hazardous Materials Specialist

Signature: Eva Chu Date: 1/13/00

VI. **RWQCB NOTIFICATION**

Date Submitted to RB: RB Response: Concur

RWQCB Staff Name: C. Headlee Title: AEG Date: 2/15/00

Signature: Chuck Headlee

Post-it® Fax Note 7671	Date	# of pages ▶
To Barney Chan	From Chuck Headlee	
Co./Dept.	Co.	
Phone #	Phone #	
Fax # 337-9335	Fax #	

Leaking Underground Fuel Storage Tank Program

VII. ADDITIONAL COMMENTS, DATA, ETC.

See attached site summary.

Site summary for 7933 E. 14th St., Oakland CA 94621
StID # 578, Former Superior Auto Body

This site is located in southwest Oakland on the northwest corner of E.14th St. and 80th Ave. **See Figure 1 for a site map.**

On **November 27, 1996**, one approximately 800 gallon waste oil tank, lying in the east west direction, was removed from the site. Soil samples, EX1 and EX2 were taken from the west and east side of the tank, respectively, at depths of approximately 9' and 10'. **See a copy of the inspection report for the sample locations.** Holes were observed in the sides of the tank and a small amount of water appeared in the bottom of the pit. These soil samples exhibited, up to 270 ppm TPHg, 1800 ppm diesel, 3500 ppm oil and grease and ND, 0.051, 0.078, and 0.64 ppm BTEX, respectively. Semi-volatiles and MTBE were ND and the heavy metals were at background levels. Based upon these results, over-excavation was recommended and approved.

On **December 18, 1996**, over-excavation to a depth of 11' was performed. Groundwater and floating product, which appeared to be oily in appearance, was encountered. One saturated soil sample (ID #1,5,3), as well as one grab groundwater sample (ID # 2,4) was collected. The soil sampled exhibited ND for TRPH, TPHd, TPHg, BTEX and chlorinated solvents. The grab groundwater sample exhibited 59 ppm TRPH, 31 ppm TPHd, 900 ug/l TPHg and 0.94, 0.87, 0.79, 1.2 ug/l BTEX, respectively. Chlorobenzene was detected at 550 ug/l. Unfortunately, MTBE was not run on the water sample. During this over-excavation, the soil removed, approximately 12 cy in volume was segregated from the initial 10 cy of stockpiled soils. The over-excavated soil was disposed to BFI Landfill, while the initial spoils were sampled and reused as back-fill material. **Attached in a summary of the original and over-excavation soil and groundwater analytical results.** Note, a formal closure report was never provided.

Based upon these results, it appeared that the majority of the soil contamination had been removed, however, a further investigation of the extent of groundwater contamination was necessary.

On **October 1, 1999** four borings were advanced up and down-gradient of the former underground tank. Soil samples just above the expected depth to groundwater and grab groundwater samples from a depth of 20' feet were taken. **See Figure 2 for the boring locations and Tables 1 and 2 for a summary of these results. Also attached is a boring log for SB-1 illustrative of the soil type encountered at the site.**

These samples were analyzed for TPHg, TPHd, TRPH and halogenated VOCs. Minor amounts of TPHg were exhibited in borings SB-1 and SB-4, while none of these analytes were found in the water samples above detection limits. Based upon these results, it appears that the fuel release has not migrated significantly from the former tank area. MTBE and BTEX were mistakenly not run on the water samples, however, the BTEX concentrations within the initial grab groundwater samples indicate that these analytes were low at the source and would be expected to only attenuate in groundwater. The MTBE concentration in groundwater is also expected to be low since no MTBE was detected in the original tank pit samples.

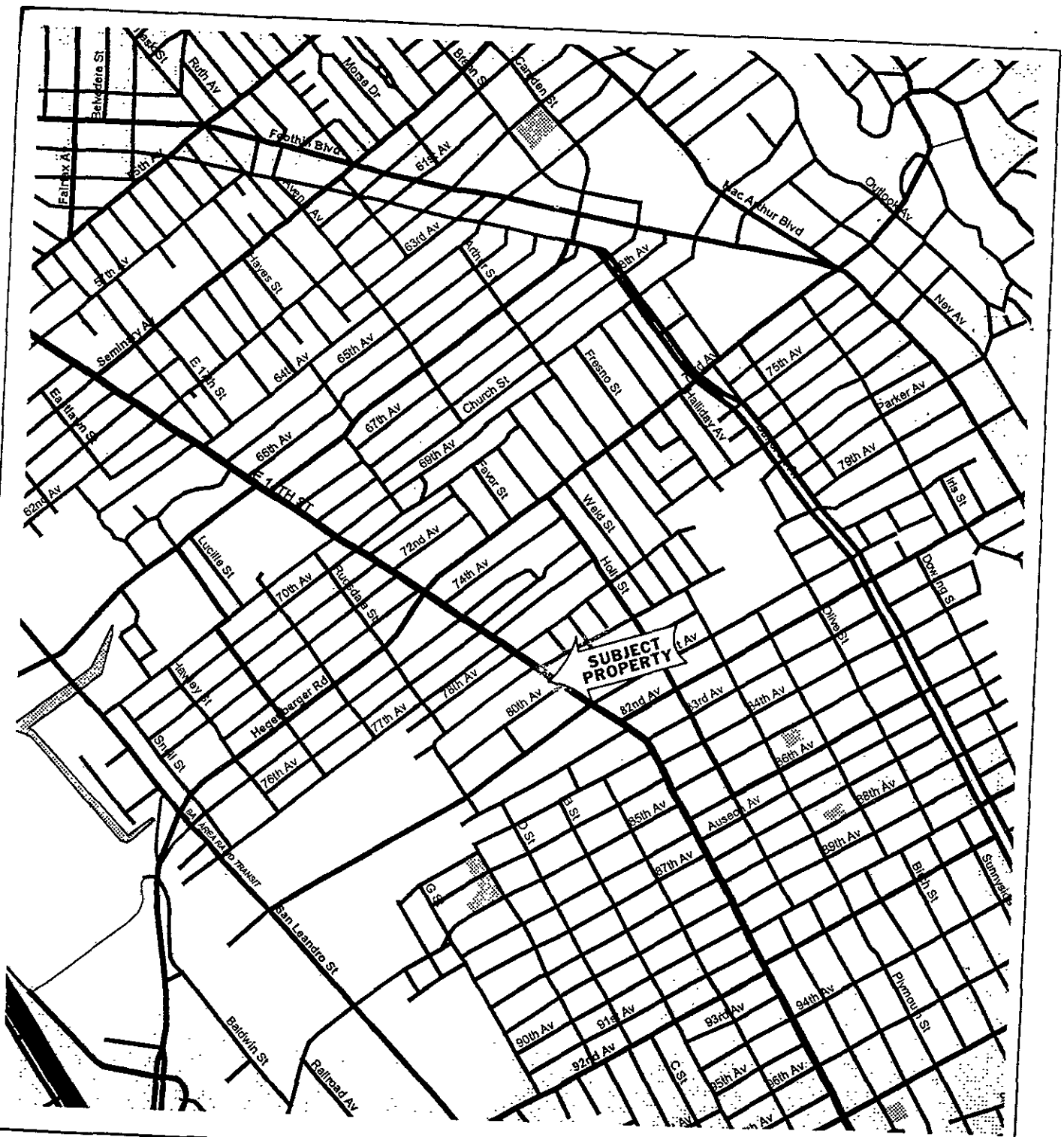
In addition, I have included the results of the recent 5/99 soil and groundwater investigation performed at 7915 E. 14th St., the former service station immediately down-gradient of this site. A groundwater contour map is also included to support the assumed gradient direction.

Approximately 20' further down-gradient of boring B-4, soil boring SB-A was advanced on 7915 E. 14th St. **Note the location of B-4 on Figure 2.** The soil samples from the boring were ND for MTBE, in addition, the groundwater sample from this boring exhibited only 7.3 ppb MTBE. It is believed that the MTBE found in SB-A is from the gasoline release from 7915 E. 14th not 7933 E. 14th St.

To clarify the presence or absence of MTBE at this site, on 1/20/00 McCampbell Analytical was requested to review the results of the initial soil and groundwater samples from the tank removal sampled on 12/18/96. At this time, MTBE was being included in their EPA 8020 and 602 analysis, however, it was not being routinely reported. After review of their chromatograms for these two samples, they reissued their analytical results including ND results for both the soil and groundwater samples. A copy of this reissued report is included.

Site closure is recommended based upon:

- The underground tank and impacted soil has been removed
- The site has been adequately characterized
- The groundwater plume has not migrated beyond the former tank area
- The site presents no significant risk to human health or the environment
- MTBE does not appear to have impacted either soil or groundwater.



ENVIROSPECT

Vicinity Street Map
7933 East 14th Street
Oakland, California

NORTH
1" = 2,400'

JOB NUMBER: 903006

DATE: October 1999

FIGURE: 1

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # 578 Site Name SUPERIOR AUTO BODY Today's Date 11/27/96

Site Address 7933 EAST 14TH ST

City OAKLAND Zip 94621 Phone

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

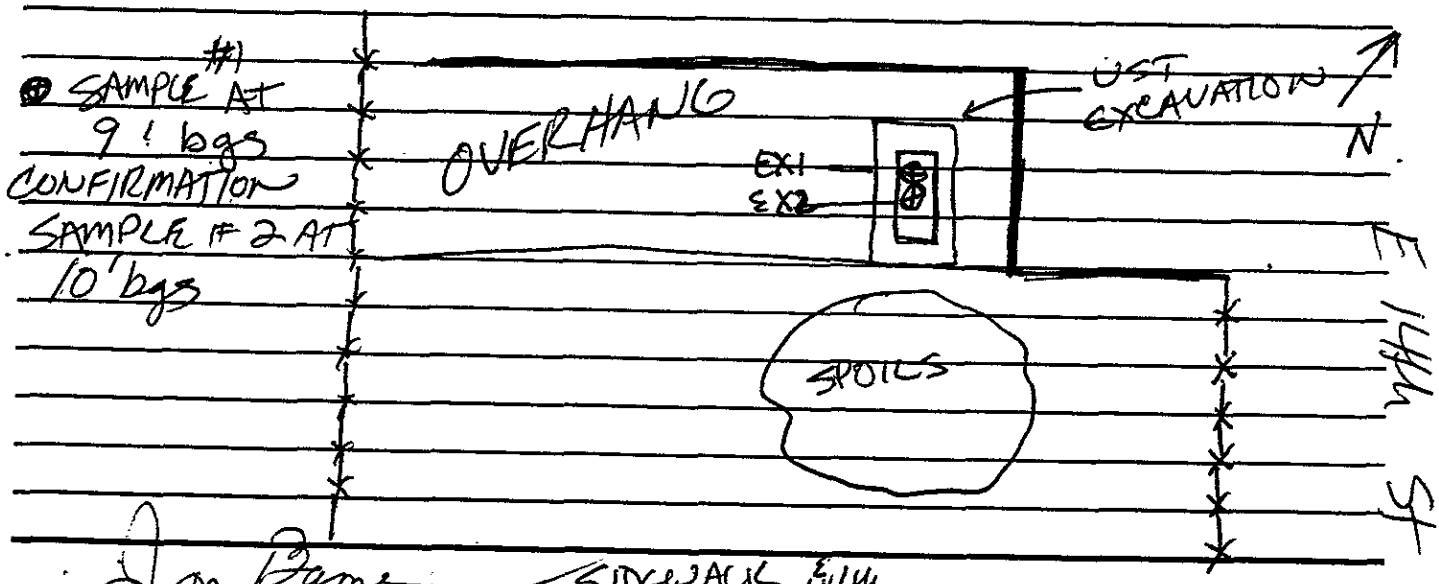
Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
__✓__ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
__✓__ III. Underground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: 12:00-2:15 (ON SITE)

ON SITE AT 12:00 P.M FOR UST REMOVAL.
UST IS @ 800-GALLON WASTE O/L TANK.
SEVERAL HOLES IN UST (SIDES), ENDS - SMALL AMOUNT OF H_2O IN PIT. HOLES ARE UP 4" IN DIAMETER
LEL - 10 PPM
O_2 - 9%
OVER-EXCAVATED PIT, TOOK ADDITIONAL SAMPLE #2
ANALYZE FOR PNA'S & CHLORINATED HYDROCARBONS



Contact Jon Bame

Title

Signature

Inspector DALE KLETTKE

Signature Dale Klettke

II, III

80TH AVE

Summary of original + over-excavation Results

12/18/96	matrix	Over-excavation results
ID. 2(4)	W	550 ppb chlorobenzene, 900 ppb TPHg, .94 (B), 0.87 (T), 0.79 (E), 1.2 (X)
4	W	59 ppm TRPH-with silica gel, 31 ppm d
1	S	ND TRPH - " " ", ND TPHd, TPHg, BTEX
5	S	190 TRPH - " "clean" Spoils
3	S	ND GC/MS 8240, 120 ppb chlorobenzene
11/27/96		**Original results** (ppm)
ID. EX1	S	160 ppm TPHd, 20 ppm g, ND MTBE, ND BTEX, 410 TOG, BG Cd, Cr, Pb, Ni, Zn
EX2	S	1800 ppm TPHd, 270 g, ND MTBE, ND (B), .051 (T), .078 (Σ), .64 (X), 3500 TOG, BG Cd, Cr, Pb, Ni, Zn
EX2	S	ND PAH's 8270A
EX1	S	ND PAH's 8270A

Reissued Analytical Results (MTBE)

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Bamer Construction Co. 3137 Castro Valley Blvd., Ste. 209 Castro Valley, CA 94546	Client Project ID: 7933 East 14th, Oakland	Date Sampled: 12/18/96
		Date Received: 12/19/96
	Client Contact: Jonathan Bamer	Date Extracted: 12/20/96
	Client P.O:	Date Analyzed: 12/20/96

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
72261	1	S	ND	ND	ND	ND	ND	ND	99
72262	2	W	900,a,h	ND	0.94	0.87	0.79	1.2	95
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

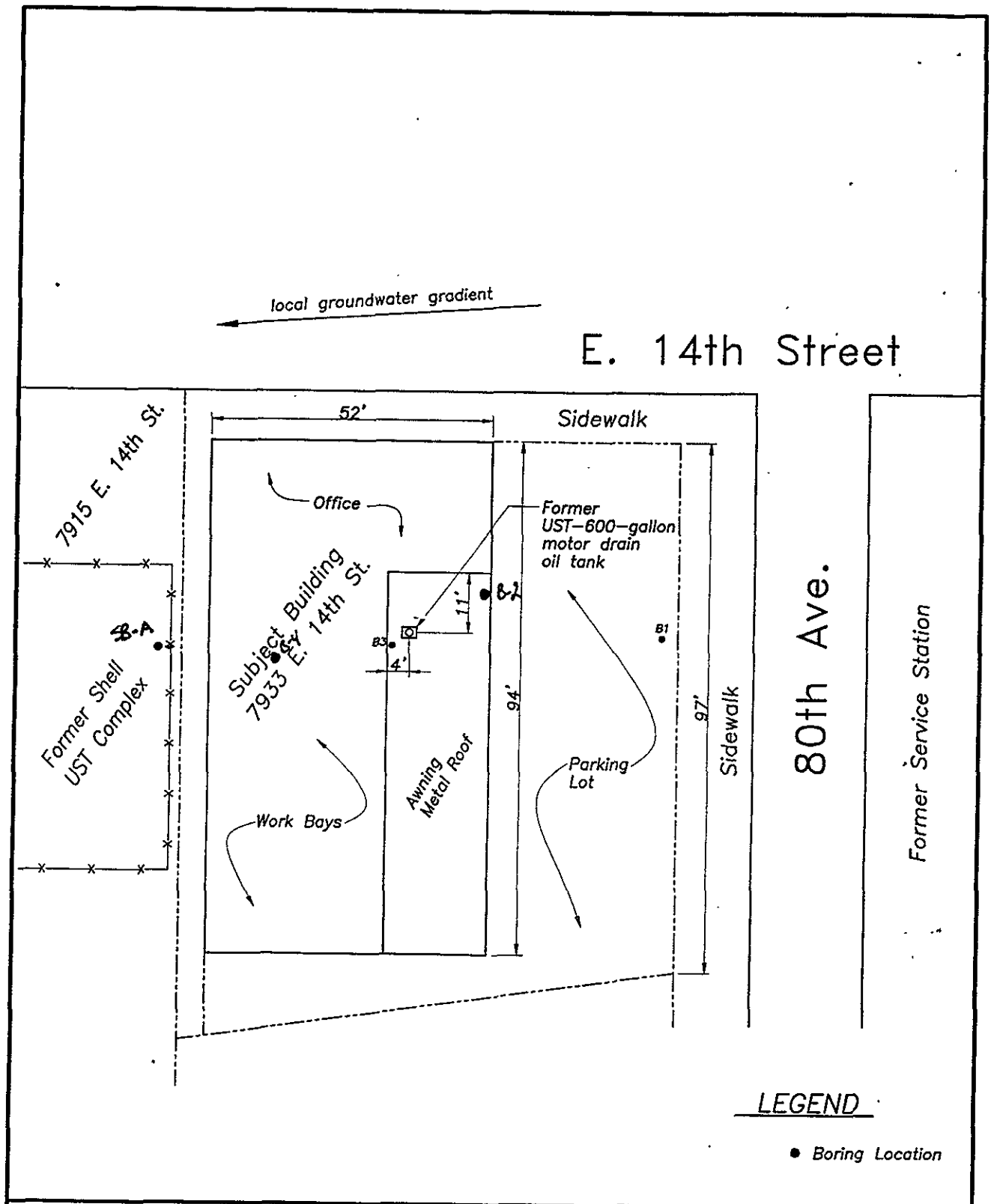
* water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak coelutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director



Envirospect, Inc. 7311 Greenhaven Drive, Ste 256 Sacramento, CA 95831 Project No. 903006	N, E, W, S Scale In Feet (Approximate) 0 10 20	Soil Boring Locations 7933 E 14th Street Oakland, CA 94621 Figure 2

RESULTS OF LABORATORY ANALYSES

Four soil samples and four groundwater samples were submitted to Enviro-Chem, Incorporated, a California Department of Health Services (DOHS) certified analytical laboratory, following proper chain of custody procedures. Soil and groundwater samples collected at the site were analyzed for volatile organic compounds (VOCs) by EPA Method 8010, total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015 Modified, and total reportable petroleum hydrocarbons (TRPH) by EPA Method 418.1. The soil sample analytical results are compiled in Table 1. Groundwater sample analytical results are compiled in Table 2. Copies of certified analytical reports are contained in Attachment B.

TABLE 1
Soil Sample Analytical Results
7933 East 14th Street, Oakland, California
(concentrations in milligrams per Kilogram [approximately equivalent to parts per million])

Soil Sample Location	Date Sample Collected	Depth (feet below grade)	TPHg[1]	TPHd[2]	TRPH[3]	VOCs[4]
SB-1B	10/1/99	10	73.2	<10	<10	<0.01
SB-2C	10/1/99	15	<0.1	<10	<10	<0.01
SB-3B	10/1/99	10	<0.1	<10	<10	<0.01
SB-4B	10/1/99	10	40.5	<10	<10	<0.01

TPHg[1] = Total petroleum hydrocarbons as gasoline
TPHd[2] = Total petroleum hydrocarbons as diesel
TRPH[3] = Total reportable petroleum hydrocarbons
VOCs[4] = Volatile organic compounds.

A review of the analytical results of soil samples collected from the subject property indicates:

- TPHg was detected at a concentration of 73.2 ppm in soil sample SB-1B (collected at 10 feet bgs from soil borings SB-1), and at a concentration of 40.5 ppm in soil sample SB-4B (collected at 10 feet bgs from soil boring SB-4).

- VOCs, TRPH, TPHg, and TPHd were not detected in any of the soil samples collected and analyzed from soil borings SB-2 and SB-3.

- VOCs, TRPH, and TPHd were not detected in any of the soil samples collected and analyzed from soil borings SB-1, SB-2, SB-3, and SB-4.

TABLE 2
Groundwater Sample Analytical Results
7933 East 14th Street, Oakland, CA
(concentrations in micrograms per liter [approximately equivalent to parts per billion])

Groundwater Sample Location	Date Sample Collected	Depth (feet below grade)	TPHg[1]	TPHd[2]	TRPH[3]	ΣVOCs[4]
W-1	10/1/99	20	<500	<500	<1000	<5.0
W-2	10/1/99	20	<500	<500	<1000	<5.0
W-3	10/1/99	20	<500	<500	<1000	<5.0
W-4	10/1/99	20	<500	<500	<1000	<5.0

TPHg[1] = Total petroleum hydrocarbons as gasoline
TPHd[2] = Total petroleum hydrocarbons as diesel.
TRPH[3] = Total reportable petroleum hydrocarbons.
ΣVOCs[4] = Volatile organic compounds. — does this include MTBE? No

A review of the analytical results of groundwater samples collected from the subject property indicates:

- VOCs, TRPH, TPHg, and TPHd were not detected in any of the water samples collected and analyzed from soil borings SB-1, SB-2, SB-3, and SB-4.

CONCLUSIONS

- Envirospect advanced four soil borings to a depth of 20 feet bgs (depth at which groundwater was encountered) at selected locations at the subject property. The soil boring locations selected were thought to be the most likely potential points of impact from any potential releases resulting from a former waste oil underground storage tank formerly located at the subject property.

- Below the surface concrete and/or asphalt at the site, soil boring SB-2 (generally representative of site soil units) encountered moist, black bay mud to a depth of 10 feet below ground surface (bgs). From approximately 10 feet bgs to 20 feet bgs (depth groundwater was encountered), soils encountered consisted of tan and greenish clays with small fines and gravels.

- Organic vapors were detected by the PID in all four of the soil samples collected from soil boring SB-1 (SB-1A at 79.6 ppm, SB-1B at 790 ppm, SB-1C at 4.8 ppm, and SB-1D at 1.2 ppm).

- Organic vapors were not detected by the PID in any of the soil samples collected from soil borings SB-2, SB-3, and SB-4.

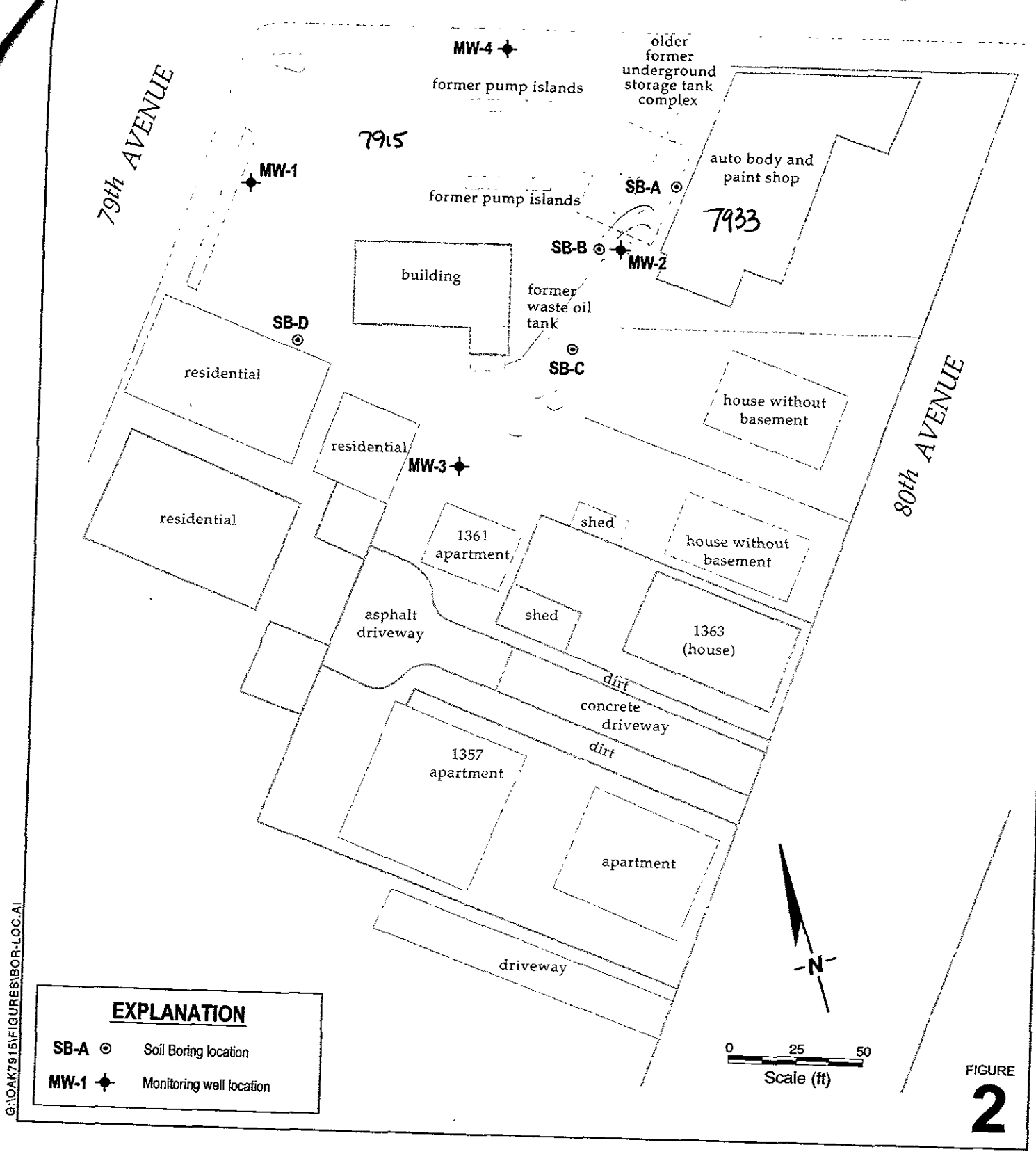
Field Log of Soil Boring

ENVIROSPECT

Site Location 7933 E. 14th St Oakland CA	Boring # SB-1
Project # 903006 Date 10/1/99	Sheet 1 of 2
Drilling Contractor Vironex	
Driller Paul Logger Isbell	
Start 0830 Finish 0928	Boring Diameter 2"
Drilling Method Direct Push	
Sampling Method Acetate Sleeve	
n/s est. water depth 15 ft bgs elev	

Depth	Screening Results (ppm)	Sample #	Rec.	Blow Ct.	USCS	Description of Material
1						
2						
3					OH	
4						
5	79.6	SB-1A				Black clays with slight green staining/mottling (strong odor)
6						
7						
8					OH	
9						
10	790	SB-1B				Same
11						
12					OL	

	Screening Results (ppm)	Sample #	# Rec.	Blow Ct.	USCS	Description of Material
15	4.8	SB-1C			OL	Brown and tan clays with green mottling and small fines and gravels (slight odor)
16						
17						
18						
19					OL	
20	1.2	SB-1D W-1				Same
21						
22						
23						



G:\OAK7915\FIGURES\BOR-LOC.AI

FIGURE
2

Shell-branded Service Station
7915 East 14th Street
Oakland, California
WIC #204-5508-2402

CAMBRIA

Soil Boring Locations

Table 2. Water Sample Analytic Data - Shell Service Station - WIC #204-5508-2402, 7915 East 14th Street, Oakland, California

Sample ID	TPHg	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes
	←	8020 (Concentrations reported in ~~milligrams per kilogram~~ ug/l (ppb))				→
May 13, 1999 Samples:						
SBA-GW	3,090	7.26	175	39.3	117	540
Closest to MW2 ← SBB-GW	129,000	<400 (8260)	12900	8150	4310	29000
SBC-GW	143,000	1020(<250)	2600	1910	3580	19500
SBD-GW	30,400	33.1	<2.50	<2.50	61.7	110

Abbreviations and Notes:

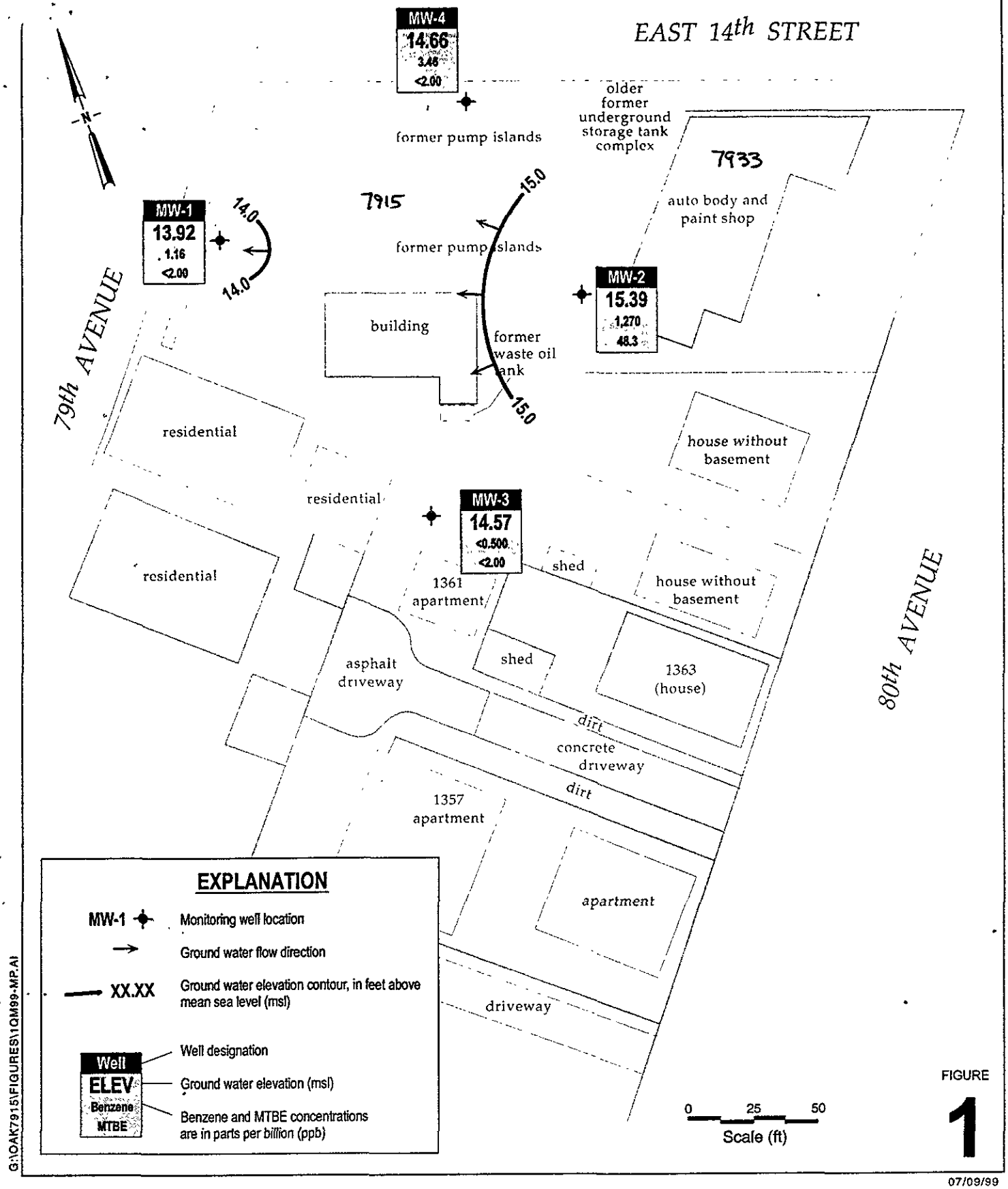
TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015.
MTBE = Methyl tert-butyl ether by EPA Method 8020.
Benzene, ethylbenzene, toluene, xylenes by EPA Method 8020.
mg/kg = Milligrams per kilogram
<x = Below detection limit of x mg/kg

Table 1. Soil Sample Analytic Data - Shell Service Station - WIC #204-5508-2402, 7915 East 14th Street, Oakland, California

Sample ID	Depth (feet)	TPHg	MTBE 8020	Benzene	Toluene	Ethylbenzene	Xylenes
		← (Concentrations reported in milligrams per kilogram) →					
May 13, 1999 Samples:							
SBA-11.0	11.0	0.9	<.0100	0.01720	<.00200	0.01700	0.01310
SBA-18.0	18.0	<0.400	<.0100	<.00200	<.00200	<.00200	<.00400
SBA-25.0	25.0	<1.0	<.0100	<.00200	<.00200	<.00200	<.00400
SBB-6.0	6.0	11.1	<.00100	0.01240	<.00200	0.01270	0.02390
SBB-16.0	16.0	1.1	<.00100	0.01920	0.00800	0.01760	0.10500
SBB-25.0	25.0	1.9	<.00100	0.00722	0.02910	0.01890	0.12100
SBC-6.0	6.0	0.644	<.00100	<.00200	<.00200	<.00200	0.01330
SBC-11.0	11.0	258.0	0.25500	1.53000	3.04000	18.20000	<0.500
SBC-20.0	20.0	191.0	0.80700	0.27700	0.71500	1.95000	10.10000
SBD-6.0	6.0	<0.400	<.0100	<.00200	<.00200	<.00200	<.00400
SBD-11.0	11.0	<0.400	<.0100	<.00200	<.00200	<.00200	<.00400
SBD-25.0	25.0	<0.400	<.0100	<.00200	<.00200	<.00200	<.00400

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015.
MTBE = Methyl tert-butyl ether by EPA Method 8020.
Benzene, ethylbenzene, toluene, xylenes by EPA Method 8020.
mg/kg = Milligrams per kilogram
<x = Below detection limit of x mg/kg



G:\OAK7915\FIGURES\1QM99-MP.AI

FIGURE 1

07/09/99

Shell-branded Service Station
7915 East 14th Street
Oakland, California
Incident #97093401

CAMBRIA

Ground Water Elevation Contour Map

January 26, 1999