

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

Alameda County Environmental Health Div.  
Mail Code: 430-4580  
Environmental Protection Services  
1131 Harbor Bay Parkway, Room 250  
Alameda CA 94502-6577

May 7, 1996  
LOP STD 2332

**REMEDIAL ACTION COMPLETION CERTIFICATION**

Attn: Kevin Lloyd  
Waste Management of Alameda County  
172-98th Ave.  
Oakland CA 94603

RE: Oakland Scavenger Co., 2601 Peralta St., Oakland CA 94607

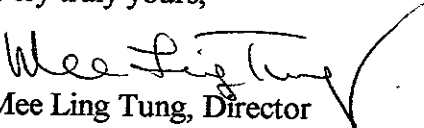
Dear Mr. Lloyd,

This letter confirms the completion of site investigation and remedial action for the following four underground storage tanks at the above referenced site: two 3,000-gallon gasoline, one 10,000-gallon diesel, and one 550-gallon waste oil. Based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, **no further action related to the underground tank release is required at this time.** Please be aware that this does not free present or future landowners or operators from cleanup responsibilities in the event that new information indicates a pollutant problem on the site or originating from the site.

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. If a change in land use is proposed, the owner must promptly notify this agency.

If you have any questions regarding this letter, please contact Jennifer Eberle at (510) 567-6700, ext. 6761. Attached is a copy of the Case Closure Summary, which was reviewed and approved by this agency and the RWQCB.

Very truly yours,

  
Mee Ling Tung, Director

cc: Acting Chief, Environmental Protection Division  
Kevin Graves, RWQCB  
Lori Casias, SWRCB (with attachment)  
Jennifer Eberle

LOP/Completion  
je.2332clos.let  
enclosure (clos sum)

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

**Date:** 3/12/96

**Agency name:** Alameda County-HazMat  
**City/State/Zip:** Alameda CA 94502  
**Responsible staff person:** Jennifer Eberle

**Address:** 1131 Harbor Bay Pky  
**Phone:** (510) 567-6700  
**Title:** Hazardous Materials Spec.

**II. CASE INFORMATION**

**Site facility name:** Oakland Scavenger Co.  
**Site facility address:** 2601 Peralta St., Oakland CA 94607  
**RB LUSTIS Case No:** N/A **Local Case No./LOP Case No.:** 2332  
**URF filing date:** **SWEEPS No:** N/A

**Responsible Parties:** **Addresses:** **Phone Numbers:**  
Attn: Kevin Lloyd, Waste Management of Alameda County, 172-98th Ave., Oakland CA 94603

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	3,000	gasoline	removed	10/27/88
2	3,000	gasoline	removed	10/27/88
3	10,000	diesel	removed	10/27/88
4	550	waste oil	removed	10/27/88

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

**Cause and type of release:** unknown  
**Site characterization complete?** YES  
**Date approved by oversight agency:** 3/12/96  
**Monitoring Wells installed?** NO **Number:**  
**Proper screened interval?** NA  
**Highest GW depth below ground surface:** **Lowest depth:**  
**Flow direction:** NA  
**Most sensitive current use:** presumed commercial  
**Are drinking water wells affected?** NO **Aquifer name:**  
**Is surface water affected?** NO **Nearest affected SW name:**  
**Off-site beneficial use impacts (addresses/locations):** unknown  
**Report(s) on file?** YES **Where is report(s) filed?**  
**Alameda County, 1131 Harbor Bay Pky, Alameda Ca 94502**

ENVIRONMENTAL PROTECTION  
96 APR 29 PM 2:57

## Leaking Underground Fuel Storage Tank Program

### Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank	two 3,000 G (gal)	H&H (87891758)	10/27/88
	550 TP and 10,000 TP	H&H (87891767)	10/27/88
Soil (beneath waste oil UST)	unknown	unknown	1988
“Waste Combustible Liquid”	1800 TT	H&H (87891763)	10/27/88

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)(grab sample from waste oil pit)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	300	300#	ND	
TPH (Diesel)	ND	ND	ND	
Benzene	0.14	0.14	0.57	
Toluene	0.0042	0.0042	0.54	
Xylene	0.005	0.005	ND	
Ethylbenzene	0.0024	0.0024	ND	
Oil & Grease	120*	**	ND	
methylene chloride	0.0007*			
chlorobenzene	0.0076*			
1,2-DCB	0.002*			

**Comments (Depth of Remediation, etc.):** unmarked results from fuel tank pit.

\* waste oil pit at 10'bgs

\*\* see discussion section

# one report says 300 mg/kg, and another report says 300 ug/kg, but 300 mg/kg was chosen because the ratio of benzene in gasoline would be too great with 300 ug/kg.

**Leaking Underground Fuel Storage Tank Program**

**IV. CLOSURE**

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

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

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

Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NA

Number Decommissioned: NA Number Retained:

List enforcement actions taken:none

List enforcement actions rescinded:none

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Jennifer Eberle Title: Hazardous Materials Specialist

Signature:  Date: 3-12-96

**Reviewed by**

Name: Barney Chan Title: Hazardous Materials Specialist

Signature:  Date: 3/29/96


Name: Tom Peacock Title: Manager

Signature:  Date: 4-5-96

**VI. RWQCB NOTIFICATION**

Date Submitted to RB: 4-5-96 RB Response: 

RWQCB Staff Name: Kevin Graves Title: AWRCE Date:

 4/25/96

## Leaking Underground Fuel Storage Tank Program

### VII. ADDITIONAL COMMENTS, DATA, ETC.

On 10/27/88, four USTs were removed: one 550-gal waste oil UST, located under the sidewalk of Peralta St., and three other nested USTs, located in the center of the site, in the parking lot: two 3,000-gal gasoline USTs and one 10,000-gal diesel UST. See Fig 1 Tom Peacock of Alameda County was present during tank removal, and prepared a report. Mr. Peacock reported the waste oil UST had a hole and "heavy contamination."

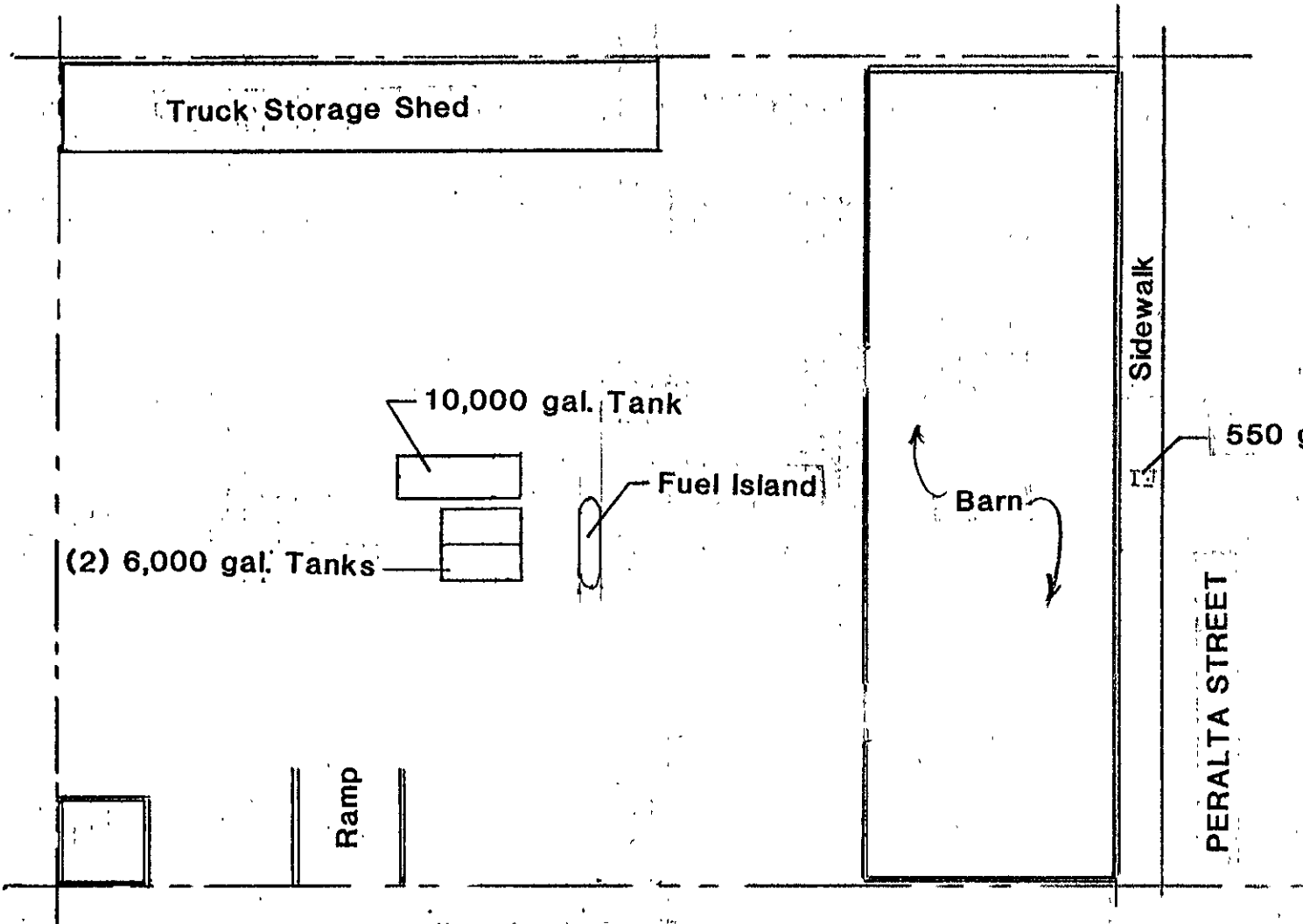
The fuel tank pit was sampled on 10/27/88. See Fig 2 and Table 1 for the fuel tank sampling locations and results. Maximum concentrations in the pit were 300 ppm TPHg and 0.14 ppm benzene (sample 1027-E).

No samples were taken from the waste oil pit during tank removal, due to apparent heavy contamination. The pit was excavated and disposed as hazardous waste, as per the 10/5/90 summary letter report, prepared by Oakland Scavenger Co. However, no HW manifest was attached. The waste oil tank pit was sampled on 11/1/88 at 10'bgs. Results from the waste oil pit sample are not tabulated, but presented here: 120 ppm O&G by 3550/503E, ND TPHd, 70 ppm TPHg, 0.0011 ppm benzene, 0.0006 ppm toluene, 0.001 ppm ethylbenzene, 0.0014 ppm xylene, 0.7 ppb methylene chloride, 7.6 ppb chlorobenzene, and 2.0 ppb 1,2-DCB.

In November 1990, four soil borings were drilled around the former waste oil UST. First water was encountered at 13'bgs. See Fig 3. Soil samples were collected from 3 borings (see Table 2) and grab groundwater samples were collected from 3 borings (see Table 3). Soils were predominantly clays from surface to approximately 13'bgs. Soil was analyzed only for TOG via 418.1. Soil was found ND in 10 samples, while one sample contained 280 ppm TOG at 7.5-8.0'bgs. Groundwater was analyzed for BTEX, TPHg, TPHd, TOG, TPHk, TPHss, and TPHaf, and was ND in all 3 samples except 0.57 ppb benzene and 0.54 ppb toluene in B-1-HP.

The benzene concentration in groundwater is below the MCL of 1.0 ppb. There is no established MCL for toluene. Therefore, groundwater is not an issue. This case appears to be a "soils only" case. The maximum TOG hit of 280 ppm at 7.5-8.0'bgs is underlain by ND TOG at 10'bgs. Soils are clays, and groundwater was first encountered at approximately 13'bgs. TOG is relatively immobile and non-volatile. Therefore, the TOG is not a problem. The concentrations apparently left in place in the fuel tank pit were 300 ppm TPHg and 0.14 ppm benzene. The depth of this hit is unknown, but probably in the range of 8 to 11'bgs, based on the size of the UST (3,000 gal). This concentration was detected in 1988, and has had 8 years to biodegrade. The benzene concentration of 0.14 ppm is roughly equal to the soil to outdoor air pathway for commercial, cancer risk  $10 \times -6$  (0.13 ppm). The use of  $10 \times -5$  may be more appropriate for commercial sites such as this, thus making the benzene concentration clearly one order of magnitude below the Tier 1 look up table for ASTM's RBCA guidance. Therefore, this case can be closed.

CAMPBELL STREET



26th STREET

OAKLAND SCAVENGER COMPANY

**PETROLEUM**  
ENGINEERING, INC

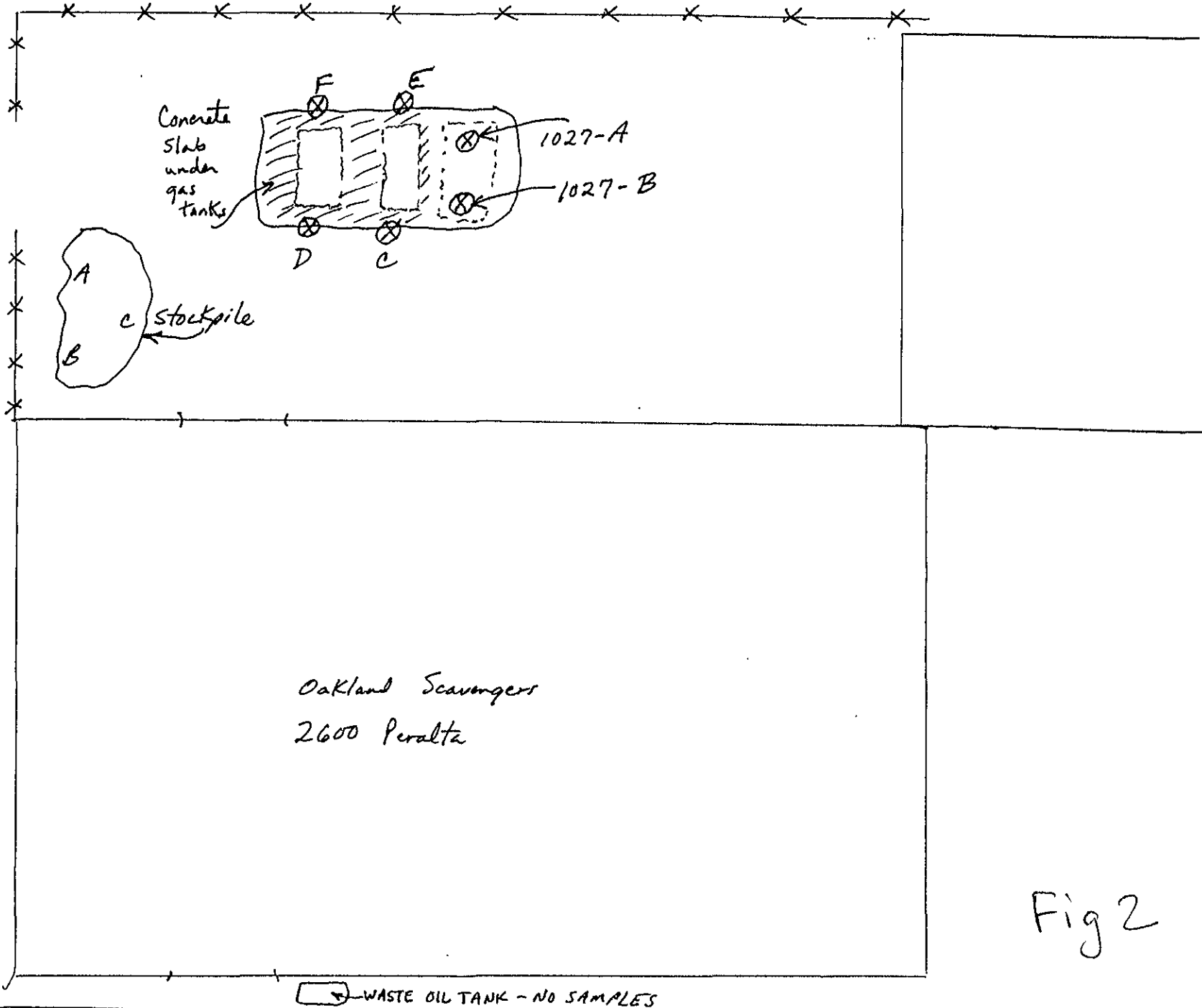
1" = 40'

Fig 1

GENERAL CONTRACTORS • (707) 545-0360 • LICENSE NO. 224358  
11 WEST NINTH STREET • SANTA ROSA • CALIFORNIA 95401

NOV 12 1988

26th St.



Oakland Scavengers  
2600 Peralta

WASTE OIL TANK - NO SAMPLES

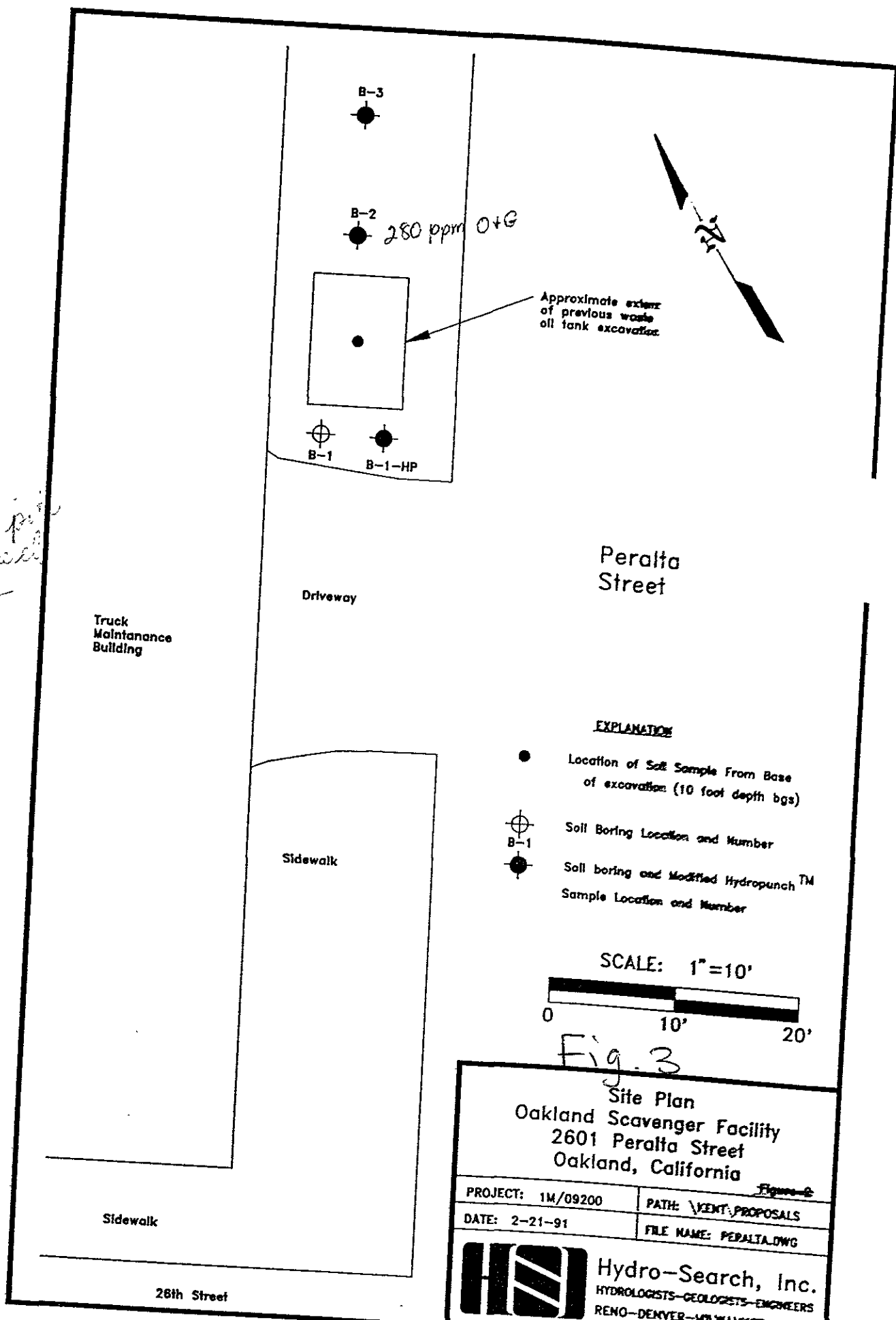
Peralta

Fig 2

(NOT TO SCALE)

1991 A.K.A. 1 1/2-1/100

3 VST pits  
(2 90' - 1 100')  
←



**EXPLANATION**

- Location of Soil Sample From Base of excavation (10 foot depth bgs)
- ⊕ B-1 Soil Boring Location and Number
- B-1-HP Soil boring and Modified Hydropunch™ Sample Location and Number

SCALE: 1"=10'

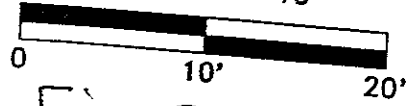


Fig. 3

Site Plan  
Oakland Scavenger Facility  
2601 Peralta Street  
Oakland, California

PROJECT: 1M/09200	PATH: \VENT\PROPOSALS
DATE: 2-21-91	FILE NAME: PERALTA.DWG


 **Hydro-Search, Inc.**  
HYDROLOGISTS—GEOLOGISTS—ENGINEERS  
RENO—DENVER—MILWAUKEE—IRVINE



Table 1

Analysis Of Soil From  
Fuel Tanks Excavation

Sample No.	TPH Diesel	TPH Gas	Benzene	Toluene	Xylene	Ethyl-Benzene	O+G? 120ppm
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	
1027-A	ND ✓	NR ✓	NR ✓	NR ✓	NR ✓	NR ✓	
1027-B	ND ✓	NR ✓	NR ✓	NR ✓	NR ✓	NR ✓	
1027-C	NR ✓	0.1 ✓	ND ✓	0.0007 ✓	ND ✓	ND ✓	
1027-D	NR ✓	ND ✓	ND ✓	ND ✓	ND ✓	ND ✓	
1027-E	NR ✓	<del>0.3</del> 300 ✓	0.14 ✓	0.0042 ✓	0.005 ✓	0.0024 ✓	
1027-F	NR ✓	ND ✓	ND ✓	ND ✓	ND ✓	ND ✓	
Stockpile A-C	135 NR ✓	<del>3.9</del> 3,900 ✓	0.13 ✓	0.0056 ✓	0.23 ✓	0.067 ✓	
Blank	NR	ND	ND	ND	ND	ND	

ND = None detected  
NR = Not requested

Table 2. Summary of Soil Analytical Results

418.1

Sample No.	Borehole No.	Depth Interval (ft bgs)	Oil and Grease Concentration (mg/kg)
B-1-1	B-1	5.0 - 5.5	<50
B-1-2	B-1	9.5 - 10.0	<50
B-1-3	B-1	12.5 - 13.0	<50
B-2-1	B-2	5.0 - 5.5	<50
B-2-2	B-2	7.5 - 8.0	280
B-2-3	B-2	10.0 - 10.5	<50
B-2-4	B-2	13.0 - 13.5	<50
B-3-1	B-3	5.0 - 5.5	<50
B-3-2	B-3	8.0 - 8.5	<50
B-3-3	B-3	10.0 - 10.5	<50
B-3-4	B-3	13.0 - 13.5	<50

Table 3. Summary of Ground-Water Analytical Results

Compound	B-1-HP	HP B-2	Hydrocarbons B-3	Trip Blank
Benzene $\mu\text{g/l}$	0.57 ✓	<0.30 ✓	<0.30 ✓	<0.30
Ethylbenzene $\mu\text{g/l}$	<0.30 ✓	<0.30 ✓	<0.30 ✓	<0.30
Toluene $\mu\text{g/l}$	0.54 ✓	<0.30 ✓	0.34 ✓	<0.30
Xylenes (total) $\mu\text{g/l}$	<0.60 ✓	<0.60 ✓	<0.60 ✓	<0.60
Gasoline $\mu\text{g/l}$	<0.1 ✓	<0.1 ✓	<0.1 ✓	<0.1
Kerosene $\text{mg/l}$	<0.1 ✓	<0.1 ✓	<0.4 <sup>1</sup> ✓	NA <sup>2</sup>
Stoddard Solvent $\text{mg/l}$	<0.1 ✓	<0.1 ✓	<0.4 ✓	NA
Aviation Fuel (JP4) $\text{mg/l}$	<0.1 ✓	<0.1 ✓	<0.4 ✓	NA
Diesel Fuel $\text{mg/l}$	<0.1 <sup>3</sup> ✓	<0.1 <sup>4</sup> ✓	<0.4 <sup>5</sup> ✓	NA
Oil and Grease $\text{mg/l}$	<0.2 ✓	<0.2 ✓	NA	NA

Notes:

1. Detection limits are elevated due to small sample volume
2. NA = Not Analyzed
3. Contains 3 peaks of an unknown hydrocarbon between C-15 and C-19
4. Contains single peak of an unknown hydrocarbon between C-18 and C-19
5. Contains 2 peaks of an unknown hydrocarbon between C-15 and C-19