



Subsurface Consultants, Inc.

March 9, 1999  
SCI 946.003

Mr. Larry Seto  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Response to Request for Information**  
**STID #266**  
**2528 Adeline Street**  
**Oakland, California**

Dear Mr. Seto:

Subsurface Consultants, Inc. (SCI) has prepared this letter in response to the Alameda County Health Care Services Agency (ACHCSA) letter dated January 22, 1999, regarding the above-captioned site. The ACHCSA letter requested additional information as provided herein to assist in the preparation of a closure summary for the site. The responses provided are based on information contained in our site files, and discussion with the client. Reportedly the former underground storage tanks were removed by a previous tenant at the site.

**1) Site map drawn to scale identifying the location of the underground tank (UGT) that was removed sometime in June 1987.**

The site plan presented in SCI's *Groundwater Monitoring - July 1998 Event and Request for Site Closure* report, dated October 27, 1998, shows the probable location of the UGT removed in June 1987. This map is attached for your reference. The UGT location is based on the following observations made by SCI during our site reconnaissance conducted in 1995:

- the presence of concrete surface patching which differs from the asphalt patching in the area of the UGT removed in 1988, and
- the presence of two tank vent lines extending along the outside of the building adjacent to the adjoining patched areas.

99 MAR 10 PM 3:11  
PRODUCTION

Mr. Larry Seto  
Alameda County Health Care Services Agency  
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**2) Copy of the manifest(s) for the disposal of the UGTs, piping, soil, etc.**

For the UGT removed in 1987, an *Underground Storage Tank Unauthorized Release /Contamination Site Report* is attached. The form indicates that the "contamination associated with this tank affected soil only", and that "post cleanup monitoring" was in progress. The implementing agency is indicated as Alameda County.

For the UGT removed in 1988, a *Subsurface Soil Sampling at E-Z-Est Products Company* report, dated August 12, 1988, is attached. The report indicates that soil sampling was performed under the observance of both Mr. Ariu Levi, Hazardous Materials Specialist for ACHCSA, and Mr. Gordon Gullett, Fire Prevention Bureau Inspector for the City of Oakland.

Also, attached are two City of Oakland permits to remove the UGTs which have been signed by the Fire Marshall. Although these documents do not indicate the final disposition of the tanks, piping, soil, etc., they do indicate that correct procedures were followed with proper oversight. This should provide an appropriate level of comfort to ACHCSA that the UGTs, piping and soil were properly disposed.

**3) Documentation of the exact date(s) MW-1, MW-2 and MW-3 were installed, and a copy of their boring logs.**

SCI installed well MW-1 on March 31, 1995 and wells MW-2 and MW-3 on August 9, 1995. Copies of the boring logs for the wells are attached.

**4) Summary of the laboratory results for the soil and water samples collected during monitoring well installation.**

Analytical data for soil and water samples collected during monitoring well installation are presented in Tables 1, 2, and 4 from SCI's *Groundwater Monitoring - July 1998 Event and Request for Site Closure* report, dated October 27, 1998. Copies of these tables with the pertinent data highlighted are attached.

**5) Final disposition of the excavated soil related to the UGT removal.**

The final disposition of the excavated soil related to the UGT removals is unknown to SCI and the property owner. The UGTs were removed by a previous tenant under the oversight of ACHCSA and City of Oakland Fire Prevention Bureau.

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Alameda County Health Care Services Agency  
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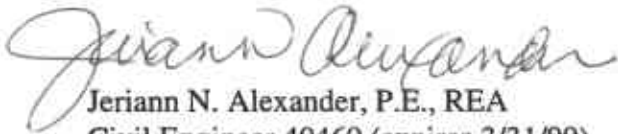
If you have any further questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



Meg Mendoza  
Project Engineer



Jeriann N. Alexander, P.E., REA  
Civil Engineer 40469 (expires 3/31/99)  
Registered Environmental Assessor 03130 (exp. 6/30/99)

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Attachments Plate 1 - Site Plan  
Underground Storage Tank Unauthorized Release/Contamination Site Report  
Uriah, Inc., Subsurface Soil Sampling at E-Z-Est Products Company report,  
August 12, 1988  
City of Oakland Tank Removal Permits dated June 2, 1987 and August 2, 1988  
Plate 5 - Log of Test Boring MW-1  
Plate 6 - Log of Test Borings MW-2 and MW-3  
Plate 7 - Unified Soil Classification System  
Table 1 - Petroleum Hydrocarbon Concentrations in Groundwater  
Table 2 - Volatile Organic Compound Concentrations in Groundwater  
Table 4 - Barium, Petroleum Hydrocarbon, and Volatile Organic Compound  
Concentrations in Soil

cc: Ms. Shirley Howkins  
c/o Mr. Gerald C. Smith  
Fitzgerald, Abbott & Beardsley LLP  
1221 Broadway, 21st Floor  
Oakland, California 94612-1837

TABLE 1  
 PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUNDWATER  
 2528 ADELINE STREET  
 OAKLAND, CALIFORNIA

Sample ID	Date	TVH <sup>1</sup>		TEH <sup>2</sup>		O&G (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
		as Gasoline (ug/L)	as Stoddard Solvent (ug/L)	as Diesel C12-C22 (ug/L)	as Kerosene C10-C16 (ug/L)						
Former Well (abandoned)	3/31/95	2800	**	1600*	**	37	--	--	--	--	--
MW-1	4/3/95	730	**	**	310*	5.8	--	--	--	--	--
	4/29/96	2000*	2000*	240*	220*	<5	<0.5	<0.5	65	16	--
	7/25/96	730*	750*	190*	180*	<5	<0.5	<0.5	26	<0.5	--
	10/31/96	<50	<50	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	1/9/97	1800	**	470*	550*	--	<0.5	<0.5	57	26	--
	7/31/97	700	610	290	360	--	<0.5	<0.5	2.7	<0.5	--
	1/13/98	1400*	2800	320*	330*	--	1.2C	4.3C	16	0.95	13C
7/14/98	630*	340*	250*	160*	--	<0.5	<0.5	1.8	<0.5	3.1	
MW-2	8/15/95	83*	**	<50	<50	<5	--	--	--	--	--
	4/29/96	75*	74*	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	7/25/96	110*	92*	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	10/31/96	<50	<50	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	1/9/97	<50	<50	<50	<50	--	<0.5	<0.5	<0.5	<0.5	--
	7/31/97	<50	<50	<50	<50	--	<0.5	<0.5	<0.5	<0.5	--
	1/13/98	<50	<50	<50	<50	--	0.55	<0.5	<0.5	<0.5	15
7/14/98	<50	<50	58*	<50	--	<0.5	<0.5	<0.5	<0.5	<2	
MW-3	8/15/95	<50	<50	<50	<50	<5	--	--	--	--	--
	4/29/96	<50	<50	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	7/25/96	<50	<50	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	10/31/96	<50	<50	<50	<50	<5	<0.5	<0.5	<0.5	<0.5	--
	1/9/97	<50	<50	<50	<50	--	<0.5	<0.5	<0.5	<0.5	--
7/31/97	<50	<50	<50	<50	--	<0.5	<0.5	<0.5	<0.5	--	

<sup>1</sup>Gasoline and stoddard solvent hydrocarbon ranges overlap

<sup>2</sup>Diesel and kerosene hydrocarbon ranges overlap

\* = Sample chromatogram does not resemble standard pattern

\*\* = Range not reported due to overlap of hydrocarbons

ug/L = micrograms per liter or parts per billion

mg/L = milligrams per liter or parts per million

C = Presence of this compound confirmed by a second column; however, the confirmation concentration differed from the reported result by more than a factor of two.

TVH = Total volatile hydrocarbons

TEH = Total extractable hydrocarbons

MTBE = Methyl tertiary butyl ether

O&G = Oil and grease

-- = Test not requested

<50 = None detected above the laboratory reporting limit stated.

TABLE 2  
VOLATILE ORGANIC COMPOUND  
CONCENTRATIONS IN GROUNDWATER  
2528 ADELINE STREET  
OAKLAND, CALIFORNIA

SAMPLE ID	Date Sampled	Acetone (µg/L)	Carbon disulfide (µg/L)	1,1-DCA (µg/L)	1,1-DCE (µg/L)	2-Butanone (µg/L)	4-Methyl-2-pentanone (µg/L)	1,1,1-TCA (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total xylenes (µg/L)	cis-1,2-DCE (µg/L)	Other EPA 8240 Compounds
Former Well (Abandoned)	3/31/95	24	4.1*	<5.0	<5.0	7.7*	57	<5.0	4.5*	49	34	270	<5.0	ND
MW-1	4/3/95	<20	<5.0	<5.0	4.2	<10	<10	<5.0	3.1	39	13	75	<5.0	ND
	4/29/96	<20	<5.0	<5.0	6.2	<10	<10	<5.0	<5.0	<5.0	62	12	<5.0	ND
	7/25/96	<20	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	6.4	<5.0	<5.0	ND
	10/31/96	<20	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND
	1/9/97	<20	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	51	22	<5.0	ND
	7/31/97	<20	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND
MW-2	8/15/95	<50	<13	62	260	<25	<25	170	<13	<13	<13	<13	<13	ND
	4/29/96	<20	<5.0	91	400	<10	<10	260	<5.0	<5.0	<5.0	<5.0	<5.0	ND
	7/25/96	<40	<10	70	270	<20	<20	230	<10	<10	<10	<10	<10	ND
	10/31/96	<33	<8.3	67	210	<17	<17	160	<8.3	<8.3	<8.3	<8.3	<8.3	ND
	1/9/97	<50	<13	79	340	<25	<25	230	<13	<13	<13	<13	<13	ND
	7/31/97	<33	<8.3	66	210	<17	<17	120	<8.3	<8.3	<8.3	<8.3	<8.3	ND
	1/13/98	<40	<10	70	270	<20	<20	110	<10	<10	<10	<10	<10	ND
	7/14/98	<33	<8.3	62	170	<17	<17	68	<8.3	<8.3	<8.3	<8.3	<8.3	ND
MW-3	8/15/95	<20	<5.0	3.3	4.1	<10	<10	8.8	<5.0	<5.0	<5.0	<5.0	2.9	ND
	4/29/96	<20	<5.0	<5.0	14	<10	<10	12	<5.0	<5.0	<5.0	<5.0	<5.0	ND
	7/25/96	<20	<5.0	<5.0	7.2	<10	<10	8	<5.0	<5.0	<5.0	<5.0	<5.0	ND
	10/31/96	<20	<5.0	<5.0	<5.0	<10	<10	5.1	<5.0	<5.0	<5.0	<5.0	<5.0	ND
	1/9/97	<20	<5.0	<5.0	<5.0	<10	<10	5.6	<5.0	<5.0	<5.0	<5.0	<5.0	ND
	7/31/97	<20	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND

1,1-DCA = 1,1-Dichloroethane

1,1-DCE = 1,1-Dichloroethene

1,1,1-TCA = 1,1,1-Trichloroethane

cis-1,2-DCE = cis-1,2-Dichloroethene

&lt;20 = None detected at or above the stated detection limit

ND = Not detected at or above analytical detection limits. See analytical test reports for individual detection limits.

µg/L = micrograms per liter or parts per billion

\* = Estimated value detected below the laboratory reporting limit.

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY  YES  NO  
 HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?  YES  NO

FOR LOCAL AGENCY USE ONLY  
 I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 251802 OF THE HEALTH AND SAFETY CODE.

REPORT DATE: June 22 1987  
 CASE #

REPORTED BY: NAME OF INDIVIDUAL FILING REPORT: **Richard Fahey**  
 PHONE: (415) 228 2222  
 SIGNATURE: *Richard Fahey*  
 REPRESENTING:  OWNER/OPERATOR  REGIONAL BOARD  
 LOCAL AGENCY  OTHER  
 COMPANY OR AGENCY NAME: **Diablo Petroleum, Inc.**  
 ADDRESS: **3930 Pacheco Blvd. Martinez California 94553**

RESPONSIBLE PARTY: NAME: **Robert Vogel**  UNKNOWN  
 CONTACT PERSON: **Robert Vogel**  
 PHONE: (415) 228 2507  
 ADDRESS: **4900 John Muir Dr. Martinez California 94553**

SITE LOCATION: FACILITY NAME (IF APPLICABLE): **E-Z-Est Products**  
 OPERATOR: **E-Z-Est Products**  
 ADDRESS: **2528 Adeline St. Oakland, CA. Alameda**  
 CROSS STREET: **25th St.**  
 TYPE OF AREA:  COMMERCIAL  INDUSTRIAL  RURAL  
 RESIDENTIAL  OTHER  
 TYPE OF BUSINESS:  RETAIL FUEL STATION  FARM  OTHER **Packager**

IMPLEMENTING AGENCIES: LOCAL AGENCY: **Ala. County Environmental Health**  
 AGENCY NAME: **Ala. County Environmental Health**  
 CONTACT PERSON: **Ted Gerow**  
 PHONE: (415) 874-6434  
 REGIONAL BOARD: **S.F. Bay Area**  
 CONTACT PERSON: **Roger James**  
 PHONE: ( )

SUBSTANCES INVOLVED: (1) **Great Western Solvent 225** QUANTITY LOST (GALLONS):  UNKNOWN  
 (2)  UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: **June 01 1987**  
 HOW DISCOVERED:  INVENTORY CONTROL  SUBSURFACE MONITORING  NUISANCE CONDITIONS  
 TANK TEST  TANK REMOVAL  OTHER  
 DATE DISCHARGE BEGAN:  UNKNOWN  
 METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):  
 REMOVE CONTENTS  REPLACE TANK  CLOSE TANK  
 REPAIR TANK  REPAIR PIPING  CHANGE PROCEDURE  
 OTHER  
 HAS DISCHARGE BEEN STOPPED?  YES  NO - IF YES, DATE

SOURCE/CAUSE: SOURCE OF DISCHARGE:  TANK LEAK  UNKNOWN  
 PIPING LEAK  OTHER  
 TANKS ONLY: CAPACITY: **1000** GAL  
 AGE: **25** YRS  
 UNKNOWN  
 MATERIAL:  FIBERGLASS  STEEL  OTHER  
 CAUSE(S):  OVERFILL  RUPTURE/FAILURE  
 CORROSION  UNKNOWN  
 SPILL  OTHER

CASE TYPE: CHECK ONE ONLY  
 UNDETERMINED  SOIL ONLY  GROUNDWATER  DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY  
 SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM)  CLEANUP IN PROGRESS  SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)  
 NO ACTION TAKEN  POST CLEANUP MONITORING IN PROGRESS  NO FUNDS AVAILABLE TO PROCEED  EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)  
 CAP SITE (CO)  EXCAVATE & DISPOSE (ED)  REMOVE FREE PRODUCT (FP)  ENHANCED BIO DEGRADATION (IT)  
 CONTAINMENT BARRIER (CB)  EXCAVATE & TREAT (ET)  PUMP & TREAT GROUNDWATER (GT)  REPLACE SUPPLY (RS)  
 TREATMENT AT HOOKUP (HL)  NO ACTION REQUIRED (NA)  OTHER (OT)

COMMENTS: **Soil sample fom under fill end showed total hydrocarbons of 160 mg/kg**

*Threat to Gw exists  
 UNASSIGNED Case  
 JF 7/1/87*

Alameda County did not



# Uriah Inc.

An Environmental Services Company

August 12, 1988

Mr. Dan Heath  
Toxic Industrial Environmental Services  
30028 Industrial Parkway, S.W.  
Hayward, California 94544

Re: Subsurface Soil Sampling at E-Z-Est Products Company,  
Inc. located at 2528 Adeline, Oakland, California

Dear Mr. Heath:

On Thursday, August 4, 1988, Uriah, Inc. staff performed subsurface soil sampling at the site indicated above to determine the presence (if any) of hydrocarbon contamination of the soil following the excavation of one (1) 1,000 gallon underground Kerosene storage tank.

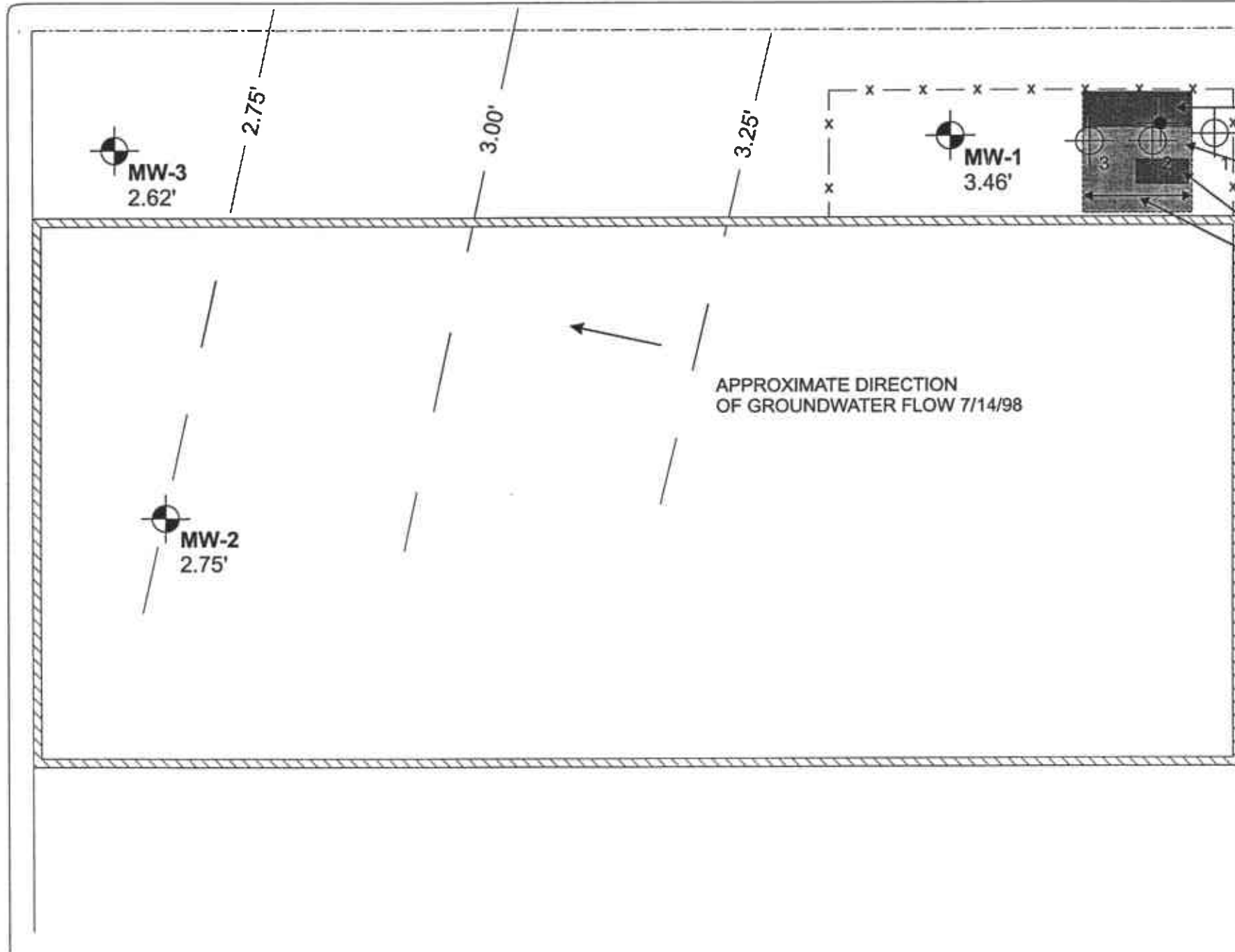
## SAMPLING METHODOLOGY

With the approval of Mr. Ariu Levi, Hazardous Materials Specialist and Mr. Gordon Gullett, Fire Prevention Bureau Inspector for the City of Oakland, Uriah, Inc. staff obtained two (2) soil samples from native soil 1 to 2 feet below the backfill-native soil interface. (See site map for specific sample locations).

The soil to be sampled was withdrawn from the tank excavation by backhoe. Both soil samples were obtained immediately upon access to the bucket of the backhoe by first removing the outer two to three inches of soil and driving a clean, brass tube (1.92 inches in diameter and 6 inches in length) into the exposed layer of soil. The brass tubes were promptly wrapped with aluminum foil, capped, sealed with black electrical tape, placed on blue ice and transported to a certified hazardous waste analytical laboratory under chain of custody. Each sample was analyzed for total Petroleum Hydrocarbons as Diesel Fuel using EPA methods 3550/8015. (Kerosene and Diesel fuel are considered analogous under the EPA analytical method 3550/8015).

26TH STREET

ADELINE STREET



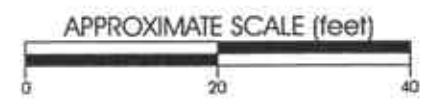
Concrete surface patch suspected solvent UST area  
 Asphalt surface patch  
 Petroleum UST removal documented by Uriah, 1988  
 Extent of surface patching



VICINITY MAP

EXPLANATION	
	PROPERTY BOUNDARY
	FENCE
	EXISTING STRUCTURE
	BORING LOCATION
	MONITORING WELL LOCATION
	FORMER WELL LOCATION
	GROUNDWATER ELEVATION CONTOUR

Note: Both former tanks were believed to exist at the eastern end of the fenced area located onsite. Cement and asphalt surface patching were likely placed following tank removal.



SITE PLAN

**SCI** Subsurface Consultants, Inc.  
 Geotechnical & Environmental Engineers

2528 ADELINE STREET - OAKLAND, CALIFORNIA			PLATE
JOB NUMBER	DATE	APPROVED	1
946.003	7/14/98	<i>WMM</i>	



VISUAL OBSERVATIONS

No odor or discoloration of the soil was noted at the time of sampling. The tank was rusted and pitted with no holes found.

RESULTS

All laboratory results as received from the certified hazardous waste analytical laboratory are enclosed.

CONCLUSIONS AND RECOMMENDATIONS

The levels of Total Petroleum Hydrocarbons as diesel fuel were found to be below detection limits (<10 ppm) in both samples #1 and #2.

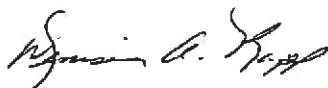
Copies of this report have been provided for your convenience. It is recommended that a copy be forwarded to each of the following agencies:

San Francisco Bay Region Water Quality Control Board  
1111 Jackson Street, 6th Floor  
Oakland, California 94607  
Attention: Lisa McCann

Alameda County Hazardous Materials Management Program  
80 Swan Way, Room 200  
Oakland, California 94621  
Attention: Mr. Ariu Levi

If you have any further questions or if I may otherwise be of assistance please contact me at (209) 579-2007.

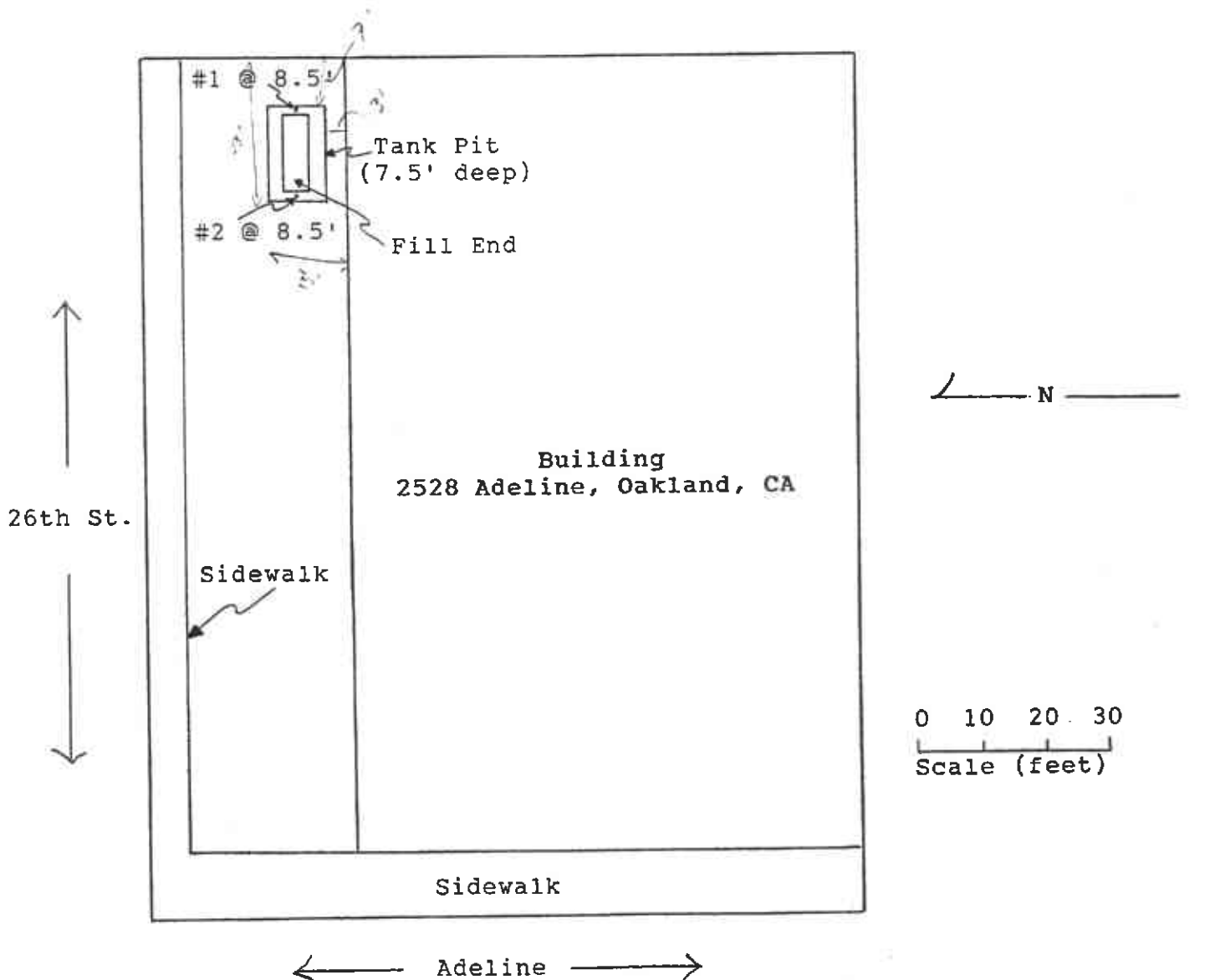
Sincerely,



Denise A. Rapp  
Vice-President

DAR:br  
enc.

Site Map



Prepared For:  
Mr. Dan Heath  
Toxic Industrial Environmental  
Services  
30028 Industrial Prkwy, S. W.  
Hayward, CA 94544



# HAZCAT Mobile Organics Lab

733 Dartmouth Avenue  
San Carlos, CA 94070 • (415) 591-5820

Uriah Environmental Services Inc.  
945 Coffee Rd. Suite 5  
Modesto CA 95352  
Attn: John Rapp  
President

Date Sampled:08-04-88  
Date Received:08-04-88  
Date Reported:08-06-88

<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u>	<u>Total Petroleum Hydrocarbons as Diesel</u>
		ppm	ppm
	21788T1S 2528 Adeline-Oakland		
088048	#1	10	<10
088049	#2	10	<10

Note: Analysis was performed using EPA methods 3550 and 8015

HAZCAT

  
Ronald G. Evans  
Lab Director

946-001

Copy for INSPECTOR

Excavation Permit Granted No. \_\_\_\_\_

# CITY OF OAKLAND

## Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks

Tank Permit No. 8995

Oakland, California, June 2, 1987

PERMISSION IS HEREBY GRANTED TO XXXXX remove XXXX Gasoline tank and excavate commencing \_\_\_\_\_ feet inside property line

on the \_\_\_\_\_ side of \_\_\_\_\_ Street Avenue \_\_\_\_\_ feet of \_\_\_\_\_ Street Avenue

House No. 2528 Adeline Street

Owner: Robert W. Vogel Address: 4900 John Muir Rd. Martinez Phone: 228-2507

Applicant: Diablo Petroleum Inc. Address: 3930 Pacheco Blvd. Martinez 94553 Phone: 228-2222

Dimensions of street (sidewalk) surface to be disturbed \_\_\_\_\_ X \_\_\_\_\_ Number of tanks: 1 Capacity: 550 Gallons each.

Remarks: Tanks removed 6-1-87 two soil samples taken

This Permit is granted in accordance with existing City Ordinances.  
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.  
When installing, removing or repairing tanks, no open flames to be on or near premises.

312-3342

Approved \_\_\_\_\_ Fire Marshal

Approved \_\_\_\_\_ Drainage Division Engineering Dept.



### EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

\_\_\_\_\_ square feet of digging or removal granted.

The receipt of \$ \_\_\_\_\_ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid \_\_\_\_\_ \$ 50.00 ck# 45458 rec#1176452

Received by G. Johnson

FIRE PREVENTION BUREAU

### CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on 6-1-87

By [Signature] Fire Marshal

### NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-5851

**THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.**

946.001

Copy for INSPECTOR

Excavation Permit Granted No. \_\_\_\_\_

# CITY OF OAKLAND

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9137

Oakland, California, August 2, 1988

PERMISSION IS HEREBY GRANTED TO ~~INSTALL~~ remove ~~TANKS~~ Gasoline tank and excavate commencing \_\_\_\_\_ feet inside \_\_\_\_\_ line

on the east side of Adeline Street Avenue 20 feet south of 26th Avenue Street Avenue

House No. 2528 Adeline Street Street Avenue Present Storage \_\_\_\_\_

Owner Aerove Pacific Address P.F.BX 2216 San Leandro Phone 678-3400

Applicant TIES Address 30028 Industrial Parkway W.W. Hayward Phone 471-2100

Dimensions of street (sidewalk) surface to be disturbed \_\_\_\_\_ X \_\_\_\_\_ Number of Tanks 1 Capacity 1000 Gallons, each.

Remarks: \_\_\_\_\_

This Permit is granted in accordance with existing City Ordinances.  
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.  
When installing, removing or repairing tanks, no open flames to be on or near premises.

Approved \_\_\_\_\_  
Fire Marshal

Approved \_\_\_\_\_  
Drainage Division Engineering Dept.

## EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 4-2.04

\_\_\_\_\_ square feet of digging or removal granted.

The receipt of \$ \_\_\_\_\_ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid \$ 50.00 ck#1097 rec#105049

Received by G.M. JOHNSON  
FIRE PREVENTION BUREAU

N

W

S

## CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on 9/13/91

By Christopher Myers  
Fire Marshal

## NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-1851

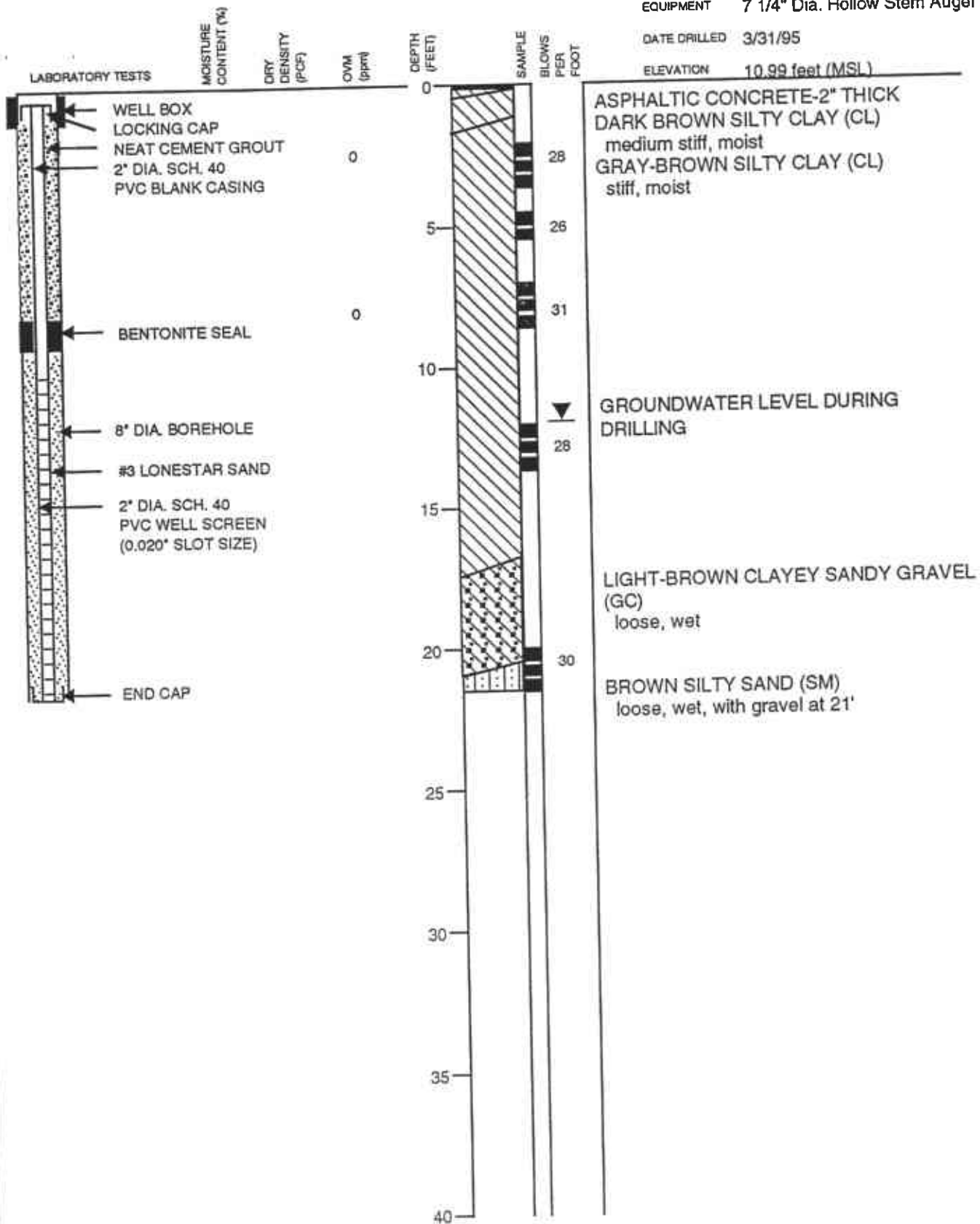
**THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.**

# LOG OF TEST BORING MW-1

EQUIPMENT 7 1/4" Dia. Hollow Stem Auger

DATE DRILLED 3/31/95

ELEVATION 10.99 feet (MSL)



Subsurface Consultants

2528 ADELIN STREET - OAKLAND, CA

JOB NUMBER  
946.001

DATE  
6/1/95

APPROVED  
*MM*

PLATE

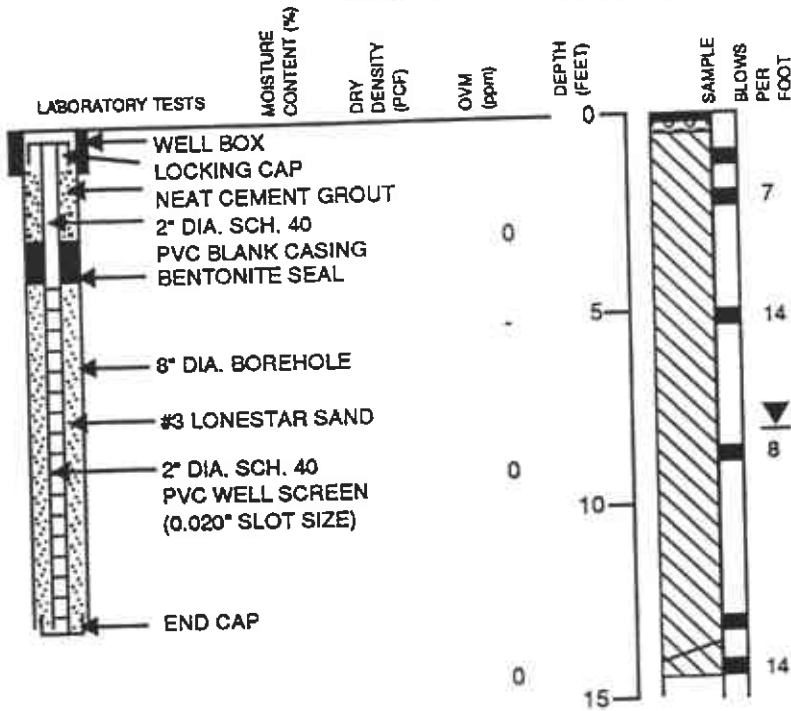
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# LOG OF TEST BORING MW-2

EQUIPMENT 8" Dia. Hollow Stem Auger

DATE DRILLED 8/9/95

ELEVATION 9.12 feet (MSL)



CONCRETE - 6 inches thick  
 BASEROCK - 4 inches thick  
 GRAY-BROWN SILTY CLAY (CL)  
 medium stiff, moist, with trace coarse grained sand

GROUNDWATER LEVEL DURING DRILLING

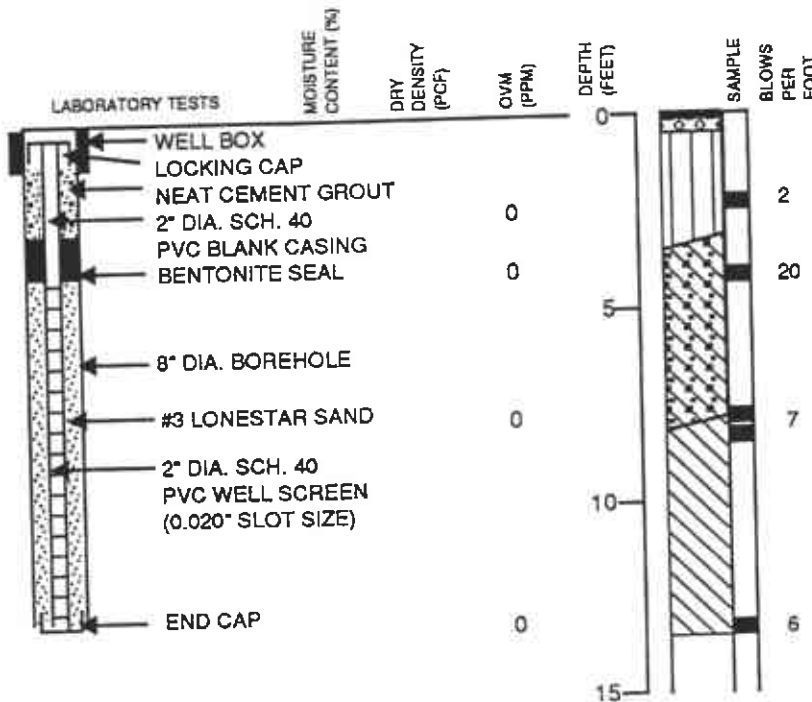
BROWN SANDY CLAY (CL)  
 medium stiff, wet

# LOG OF TEST BORING MW-3

EQUIPMENT 8" Dia. Hollow Stem Auger

DATE DRILLED 8/9/95

ELEVATION 9.93 feet (MSL)



ASPHALTIC CONCRETE - 2 inches thick  
 BASEROCK - 4 inches thick  
 BLACK CLAYEY SILT (ML)  
 soft, moist (fill)

BROWN CLAYEY GRAVEL (GC)  
 medium dense, wet, with sand

ORANGE AND BROWN SILTY CLAY (CL)  
 medium stiff, moist

NO GROUNDWATER ENCOUNTERED DURING DRILLING

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9/8/95

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*[Signature]*

PLATE

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GENERAL SOIL CATEGORIES			SYMBOLS	TYPICAL SOIL TYPES
<b>COARSE GRAINED SOILS</b> More than half is larger than No. 200 sieve	<b>GRAVEL</b> More than half coarse fraction is larger than No. 4 sieve size	Clean Gravel with little or no fines	GW	Well Graded Gravel, Gravel-Sand Mixtures
			GP	Poorly Graded Gravel, Gravel-Sand Mixtures
		Gravel with more than 12% fines	GM	Silty Gravel, Poorly Graded Gravel-Sand-Silt Mixtures
			GC	Clayey Gravel, Poorly Graded Gravel-Sand-Clay Mixtures
	<b>SAND</b> More than half coarse fraction is smaller than No. 4 sieve size	Clean Sand with little or no fines	SW	Well Graded Sand, Gravelly Sand
			SP	Poorly Graded Sand, Gravelly Sand
		Sand with more than 12% fines	SM	Silty Sand, Poorly Graded Sand-Silt Mixtures
			SC	Clayey Sand, Poorly Graded Sand-Clay Mixtures
<b>FINE GRAINED SOILS</b> More than half is smaller than No. 200 sieve	<b>SILT AND CLAY</b> Liquid Limit Less than 50%	ML	Inorganic Silt and Very Fine Sand, Rock Flour, Silty or Clayey Fine Sand, or Clayey Silt with Slight Plasticity	
		CL	Inorganic Clay of Low to Medium Plasticity, Gravelly Clay, Sandy Clay, Silty Clay, Lean Clay	
		OL	Organic Clay and Organic Silty Clay of Low Plasticity	
	<b>SILT AND CLAY</b> Liquid Limit Greater than 50%	MH	Inorganic Silt, Micaceous or Diatomaceous Fine Sandy or Silty Soils, Elastic Silt	
		CH	Inorganic Clay of High Plasticity, Fat Clay	
		OH	Organic Clay of Medium to High Plasticity, Organic Silt	
<b>HIGHLY ORGANIC SOILS</b>			PT	Peat and Other Highly Organic Soils

UNIFIED SOIL CLASSIFICATION SYSTEM

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**TABLE 4**  
**BARIUM, PETROLEUM HYDROCARBON, AND VOLATILE ORGANIC COMPOUND**  
**CONCENTRATIONS IN SOIL**  
**2528 ADELIN STREET**  
**OAKLAND, CALIFORNIA**

<u>Sample ID</u>	<u>Ba</u> <u>(mg/kg)</u>	<u>TEH</u> <u>(mg/kg)</u>	<u>TVH</u> <u>(mg/kg)</u>	<u>O&amp;G</u> <u>(mg/kg)</u>	<u>Methyl-2-pentano</u> <u>(ug/kg)</u>	<u>Other</u> <u>EPA 8240</u> <u>Compounds</u>
1 @ 2.0'	83	<1.0	<1.0	60	7.5	ND
1 @ 3.5'	91	--	--	--	--	--
1 @ 10.5'	--	<1.0	14	80	--	--
2 @ 4.0'	67,000	37	<1.0	140	9.1	ND
2 @ 5.5'	1,900	--	--	--	--	--
2 @ 10.5'	820	--	--	--	--	--
2 @ 11'	--	<1.0	24	110	--	--
3 @ 2.0'	14,000	41	<1.0	200	18	ND
3 @ 4.0'	2,100	--	--	--	--	--
3 @ 8.0'	2,900	--	--	--	--	--
MW-1 @ 3.0'	220	<1.0	<1.0	140	60	ND
MW-1 @ 7.0'	--	<1.0	<1.0	150	--	--
MW-1 @ 8.0'	160	--	--	--	--	--
MW-2 @ 1.0'	37	--	--	--	--	--
MW-3 @ 2.5'	100	--	--	--	--	--

TVH = Total volatile hydrocarbons reported as gasoline, however the sample chromatogram does not resemble the gasoline standard.

TEH = Total extractable hydrocarbons reported as diesel, however the sample chromatogram does not resemble the diesel standard.

O&G = Oil and Grease

-- = Test not requested

Ba = Barium

Samples were collected on March 31, or August 9, 1995

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

<1.0 = None detected at or above the stated detection limit