

March 3, 1993
SCI 607.001

931101 012:25

Ms. Susan Hugo
Hazardous Materials Specialist
Alameda County Health Care Service Agency
80 Swan Way, Suite 200
Oakland, California

Project Update
4055 Hubbard Street
Oakland, California

Dear Ms. Hugo:

As previously discussed, bioremediation at the referenced site is to start as soon as the contractor is available, and weather permitting. In addition, three groundwater monitoring wells will be installed in lieu of the one proposed in the work plan dated November 2, 1992. One monitoring well will be located on the Robison's property, and two wells will be located in the City of Oakland right-of-way. Mrs. Robison will obtain the necessary permits for installation of the wells in the right-of-way. A site plan is enclosed showing the proposed monitoring well locations. Please contact us regarding any questions or comments you may have.

Yours very truly,

Subsurface Consultants, Inc.

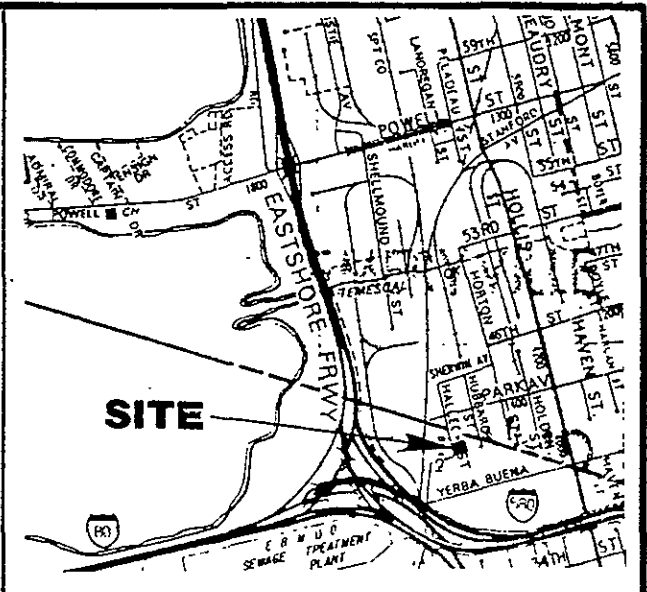
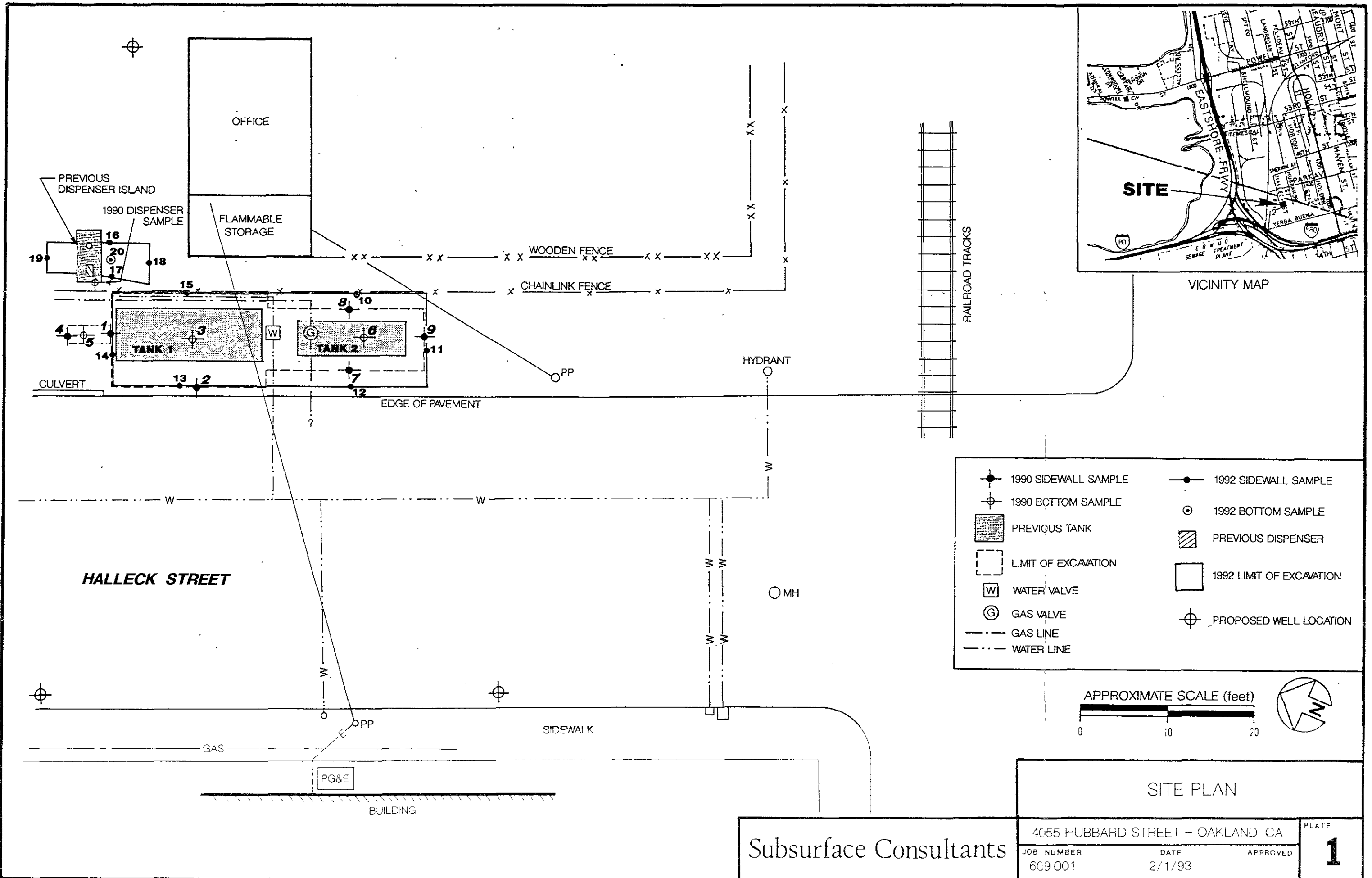
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Kate Shults

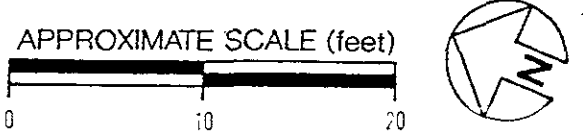
KS:egh

Attachments: Site Plan

■ Subsurface Consultants, Inc.



	1990 SIDEWALL SAMPLE		1992 SIDEWALL SAMPLE
	1990 BOTTOM SAMPLE		1992 BOTTOM SAMPLE
	PREVIOUS TANK		PREVIOUS DISPENSER
	LIMIT OF EXCAVATION		1992 LIMIT OF EXCAVATION
	WATER VALVE		PROPOSED WELL LOCATION
	GAS VALVE		
	GAS LINE		
	WATER LINE		



SITE PLAN			1
4055 HUBBARD STREET - OAKLAND, CA			
JOB NUMBER 609 001	DATE 2/1/93	APPROVED	

Subsurface Consultants

JAN-28 '93 TUE 10:00 10:30
TEL 408-430-1233 FAX 408-430-1234

Subsurface Consultants, Inc.
Consulting Engineers

FAX TRANSMISSION COVER SHEET

To: Susan Hugo
Company: ACACSA

Receiver's Fax: 569-4757

From: Jerriann Alexander

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Date: 1/26/93 SCI Job No.: _____

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Project: Hubbard ST

Subject: _____

For Your Review and Comment

As Requested

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For Your Information

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Remarks: Please call to discuss.
Don't issue a letter.

Subsurface Consultants, Inc.
171 - 12th Street, Suite 201
Oakland, California 94607
510-268-0461 FAX 510-268-0137

TABLE 1.

Hydrocarbon, BTEX and Lead Concentrations in Tank Excavation Soil

<u>Sample Designation</u>	<u>Gasoline mg/kg</u>	<u>Diesel mg/kg</u>	<u>TOG mg/kg</u>	<u>Benzene ug/kg</u>	<u>Toluene ug/kg</u>	<u>Xylene ug/kg</u>	<u>Ethylbenzene ug/kg</u>	<u>Lead mg/kg</u>
<u>1990 Investigation</u>								
1 @ 5'	<10	<10	<50	<5	<5	<5	<5	--
2 @ 5'	<10	<10	<50	<5	<5	23	<5	--
3 @ 10'	<10	24	<50	16	34	34	14	--
4 @ 3'	<10	<10	<50	<5	7.0	14	<5	--
5 @ 5'	<10	<10	<50	<5	<5	<5	<5	--
6 @ 10'	<10	27	<50	<5	<5	<5	<5	--
7 @ 5'	<10	<10	<50	<5	<5	<5	<5	--
8 @ 5'	<10	<10	<50	<5	<5	<5	<5	--
9 @ 5'	<10	<10	<50	<5	<5	<5	<5	--
<u>1992 Investigation</u>								
10 @ 6'	<1	3	<50	<5	<5	<5	<5	3
11 @ 5'	<1	<1	<50	<5	<5	<5	<5	3
12 @ 4'	<1	3	<50	<5	<5	<5	<5	4
13 @ 4'	<1	5	<50	<5	<5	<5	<5	5
14 @ 3'	<1	220	190	<5	<5	<5	<5	120
15 @ 3'	7	1,100	690	<5	<5	34	15	72

TOG = Total oil and grease

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

< = concentrations less than threshold detection limit for instrumentation

-- analysis not requested

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TABLE 2.

Hydrocarbon, BTEX and ^(b)Lead Concentrations
in Dispenser Excavation Soil

<u>Sample Designation</u>	<u>Gasoline mg/kg</u>	<u>Diesel mg/kg</u>	<u>TOG mg/kg</u>	<u>Benzene ug/kg</u>	<u>Toluene ug/kg</u>	<u>Xylene ug/kg</u>	<u>Ethylbenzene ug/kg</u>	<u>Lead mg/kg</u>
<u>1990 Investigation</u>								
Dispenser	<10	10,000	7,800	47	150	220	60	--
<u>1992 Investigation</u>								
16 @ 3'	97	1,700	420	<5	27	45	99	9
17 @ 3'	44	490	190	<5	20	170	76	20
18 @ 5'	27	450	310	<5	<5	35	62	5
19 @ 5'	<1	4	<50	<5	<5	<5	<5	4
20 @ 7'	<1	3	<50	<5	<5	<5	<5	3

TOG = Total oil and grease

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

< = Concentrations less than threshold detection limit for instrumentation

-- analysis not requested

DRAFT

TABLE 3.

Hydrocarbon, BPXE and lead Concentrations in Water

<u>Sample Designation</u>	<u>Gasoline ug/l</u>	<u>Diesel ug/l</u>	<u>TOG mg/l</u>	<u>Benzene ug/l</u>	<u>Toluene ug/l</u>	<u>Xylene ug/l</u>	<u>Ethyl-benzene ug/l</u>	<u>Lead ug/l</u>
<u>1990 Investigation</u>								
Water in Tank 1 Excavation	<500	250000	<20	3.1	<1	<1	<1	--
Water in Tank 2 Excavation	<500	490000	<20	4.0	<1	<1	<1	--
<u>1992 Investigation</u>								
Water in Tank Excavation	440	15000	230	2.0	0.7	2.1	<0.5	<3
Water in Dispenser Pit	1700	15000	25	<0.5	0.9	8.2	2.0	6

TOG = Total oil and grease,

ug/l = micrograms per liter

mg/l = milligrams per liter

< = Concentrations less than threshold detection limit for instrumentation

-- analysis not requested