

# SEISCO Engineering and Environmental Design Associates

Professional Member

International Conference of Building Officials

1187 Ocean Avenue

Emeryville, California 94608

(510) 547-8540 FAX (510) 527-7785

Industrial, Civil, Structural and Architectural Engineering, Construction Management, Hazardous Material Removal & Remediation

*Call please 719-8282*

## F A C S I M I L E C O V E R S H E E T

DATE: 9/29/00

TO: MR. LARRY SETO

FIRM: ACHCSA

PHONE NO: 567-6774

FAX NO: 337-9335

FROM: DAVID HELFAUT

RE: 6335 SAN PABLO AVE

NUMBER OF SHEETS: 7  
(INCLUDING COVER SHEET)

### ADDITIONAL INFORMATION:

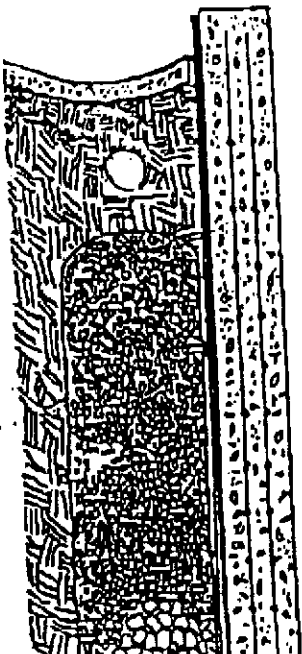
*(Call)*  
*Larry - you can call me at 510-719-8282*  
*if you need to contact me.*

PLEASE CONTACT US IF PAGE(S) DO NOT TRANSMIT CLEARLY.

THANK YOU

*DMH*

BY \_\_\_\_\_



## SEISCO Engineering and Inspection Services

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1187 Ocean Avenue

Emeryville, California 94608

(510) 547-8540 FAX (510) 527-7785

Industrial, Civil, Structural and Architectural Engineering, Construction Management, Hazardous Material Removal & Remediation

David Benaroya Helfant, Ph.D., M.ASCE, ICBO

Environmental, Seismic and Drainage Design  
Structural and Engineering Inspections

Eric M. Cox, SE

Structural Engineering, Construction Management

Michael S. Noell, M.Arch., A.I.A.

Architecture and Planning

September 29, 2000

TO: Mr. Lawrence Seto, Senior Hazmat Specialist  
Ariu Levy, Division Chief  
Environmental Protection Division, ACHCSA

FROM: David Benaroya Helfant, M.ASCE for Mssrs. Mel Bolin and Virgil Bolin,  
Owners  
6335 San Pablo Avenue, Oakland, CA 94608, Stid 1685

RE: Removal of Contaminated Soils, former tank site #1

Dear Mssrs. Seto and Levi:

As per our meeting of September 6, 2000, Mssrs. Virgil and Mel Bolin, owners at the above referenced property, wish to proceed to remove remaining contaminated soils at a former 500 gallon buried gas tank that received closure from the County in 1988. Their understanding is that this will complete any requirements for final removal of contaminated soils related to these tanks. All previously known soil as per County requirements was completed in 1988. New test requirements revealed a small residue of additional contamination [by a different test for other substances not formerly tested by the County in the 1980's. All previous tests [including test results from County closure in 1988 and this firm's sampling in July 1999] indicates that only a small area around the previous site of the 500 gallon buried tank contains contaminated soils. See the attached laboratory analysis and site plan.

The groundwater sample from the sampling well showed a residue of these contaminants as well. *284 ppb benzene and 508 toluene*

### Statement of Work:

Based on our discussions with you, the owners intend, in accordance with County guidelines, to:

1. Excavate the areas where the contamination was found until all such

Mr. Lawrence Seto  
September 29, 2000

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contaminated soils are removed to a clean line of soil. [See site plan.] Use a backhoe to excavate, set excavated soils on a 6-mil ground sheet, cover pile upon completion of excavation.

2. The excavated soil will be stockpiled and then be sampled and profiled by a County approved state certified lab. *← ID lab. and analysis method*

3. The excavated area will also be sampled to determine that the "clean line" of remaining soil has been reached. We will sample two locations under the former tank, one under the former dispenser, and one every 20-feet beneath the former product line. Sampling will involve brass tube lab containers that are punched into undisturbed sections of the bank and the spoils pile. These will be capped, refrigerated and brought to the certified lab for analysis.

4. The contaminated soils found will be trucked under manifest to an approved disposal/treatment plant and under manifest will be cleaned. A report from the treatment and disposal facility will be provided in the final report to illustrate approved disposal.

5. A groundwater sample will be taken at the existing sampling well, and, upon removal of the sampling and receipt of the findings, the well will be grouted and closed.

6. The entire procedure will be monitored for quality control and the results sent to you by the undersigned and registered professional engineer.

7. Upon completion of the removal of the contaminated soils, the excavated areas will be backfilled with clean imported fill.

**1. Background for Statement of Scope of Work:**

Two previously removed UST's (removed and closure secured in 1988) at 6335 San Pablo Avenue contained gasoline. One a 500 gallon tank, the other a 1000 gallon tank. Each were properly inerted, removed and the metal recycled. The soils originally collected at the former locations, were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G). Additional analyses have been provided and will be duplicated during the coming procedure. These include benzene, toluene, ethyl benzene, xylene (BTEX), lead, and methyl-tert-butyl ether (MTBE).

Additionally, because >2,400 ppm TPH-G was found in hole #2 on April 11, 1988, the downgradient groundwater sample from the groundwater sampling well outside of the former hole but within 10-ft. will be collected with a peristaltic pump and sent to the certified laboratory for analysis.

**2. Site Location:**

The site is the former repair shop formerly known as Bolin's Service Garage > Mr. Bolin

*→ 1 sample every 20' in depth.*

*→*

*Final report should include, but not be limited to the following:  
1) map shown to scale, clearly ID location of sample, and area excavated, manifest & receipt  
clean of area*

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was in the business of repairing vehicles. The former shop is located at the corner of San Pablo Avenue and 64th Street in North Oakland, near the Berkeley and Emeryville borders. The former business is accessed through 64th Street.

### 3. Background and Site History:

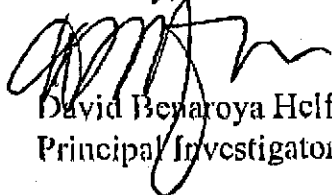
The owner operated a repair shop for 30-years, and the property has been in the family for at least this period of time. No other record of business activities is found, and the site is thought to have been largely vacant prior to the establishment of Mr. Bolin's business. The service garage had two UST's for gasoline, one a 550 gallon tank nearest the shop structure, and a second one located adjacent to a driveway. The owner had both tanks removed in 1988.

The sale of gasoline was not part of the business services offered at Bolin's garage and the tanks were lightly used. Upon removal and sampling >2,400 ppm TPH-G was found in soil sample hole #2 below the 1,000 gallon tank adjacent to the driveway. All contaminated soils were removed and transported to an approved landfill under manifest. Site closure was granted.

As the owners wish to proceed to complete this task within the next 30-days, they need to be assured that this will finally satisfy the County requirement for the removal of the contaminated soils. Please notify the undersigned if additional data is requested.

Thank you for your cooperation in this matter.

Sincerely,



David Beharoya Helfant, Ph.D., M.ASCE  
Principal Investigator

ORIGINAL  
LABS FROM  
JULY 1999.

1 of 2



**Nachtmann Analytical Laboratory, Inc.**

720 Olive Drive • Davis, CA 95616 • (530) 758-5850 • Fax (530) 758-5870  
Mailing Address: P.O. Box 1025 • Davis, CA 95617

**Analytical Laboratory Report**

Client: Sciesco Engineering Co.  
1187 Ocean Ave.  
Emet7yville, CA. 94608  
Attn : Davis Helefont  
7/28/99(revised 11/26/99)

Sample ID # :1A,1B to #10  
Sample Location :64th St& San pablo Ave.  
Sample Matrix :All soil, #10 water  
Sampling Date :7/19 to 7/21/99  
Sampled By :Client  
Sample received :7/22/99

Sample ID#/ Conc.(ug/l) in Extract

Analytes	MDL(ug/l)	1A	1B	#2	#3	#4	#5	#6
TPH- Benzene	0.5	3.22	301.	27.19	17.23	<0.5	<0.5	<0.5
TPH- Toluene	0.5	1.94	2,680.	3.66	3.00	3.84	<0.5	<0.5
TPH- Ethyl benzene	0.5	1.54	1,954.	19.54	2.06	<0.5	<0.5	<0.5
TPH- Xylenes(total)	0.5	5.51	14,221.	45.41	11.80	25.92	<0.5	<0.5
Methyl - t - butyl ether	5.0	< 5.0	446.35	3.13	< 5.0	1.55	< 5.0	< 5.0

#7 #8 #9 10

TPH- Benzene	< 0.5	< 0.5	< 0.5	284.37
TPH- Toluene	< 0.5	< 0.5	< 0.5	9.43
TPH- Ethyl benzene	< 0.5	< 0.5	< 0.5	< 0.5
TPH- Xylenes(total)	< 0.5	< 0.5	< 0.5	508.8
Methyl- t - butyl ether	< 5.0	< 5.0	< 5.0	50.37

Sample ID#/ Conc. (mg/kg)

Analytes	MDL(mg/l)	1A	1B	#2	#3	#4	#5	#6
Lead (total) Pb	0.02	< 1.0	1.8	< 1.0	< 1.0	1.8,	2.3	3.64

#7 #8 #9 #10

11.45 4.55 6.4 5.5





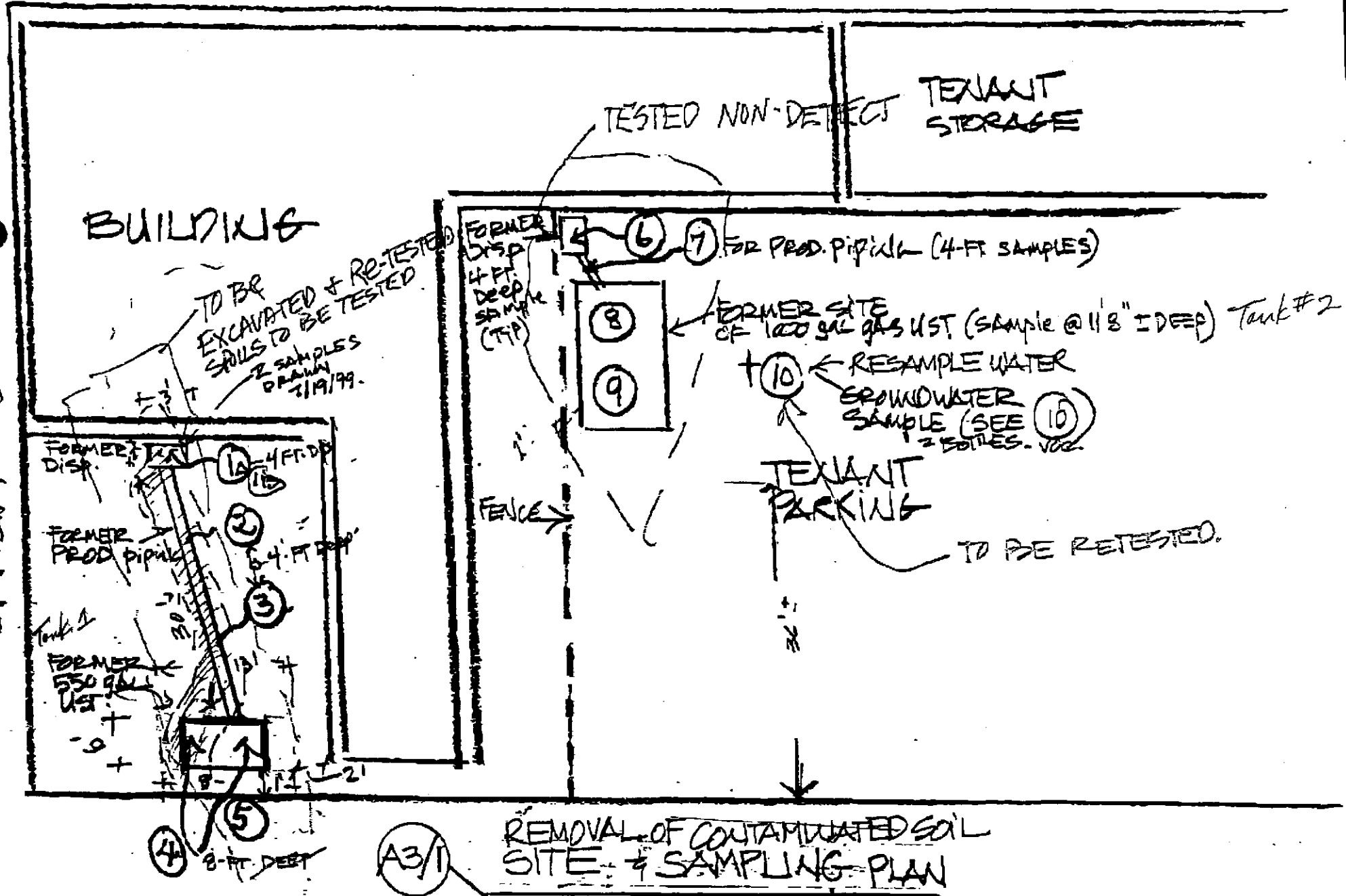
# SITE & SAMPLING PLAN: 6335 SAN PABLO AVENUE, O.

P. 05

6335 SAN PABLO AVENUE

FAX NO.

SEP-29-00 FRI 04:19 PM



(4) 8-FT. DEEP

(A3/1)

## REMOVAL OF CONTAMINATED SOIL SITE & SAMPLING PLAN

SCALE: 1/16" = 1' OR AS NOTED