



ENVIRONMENTAL TECHNICAL SERVICES

AN ENVIRONMENTAL CONSULTING FIRM

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(800) 200-4ETS

A REPORT DOCUMENTING A LIMITED SITE ASSESSMENT
IN THE AREA OF A FORMER 500-GALLON GASOLINE -
UNDERGROUND STORAGE TANK

Alameda County
DEC 29 2003
Environmental Health

Beneath the site at:

**1115 21st STREET
OAKLAND, CALIFORNIA 94607**

Assessment Performed On:

December 12, 2003

ENVIRONMENTAL TECHNICAL SERVICES

1548 Jacob Avenue, San Jose, CA 95188

Email: HMawhinneyETS@aol.com

A REPORT DOCUMENTING A LIMITED SITE ASSESSMENT IN THE AREA OF A FORMER 500-GALLON GASOLINE UNDERGROUND STORAGE TANK AND THE ASSOCIATED FUEL DISPENSER AND PRODUCT LINE

Beneath the site at:

**1115 21st STREET
OAKLAND, CALIFORNIA 94607**



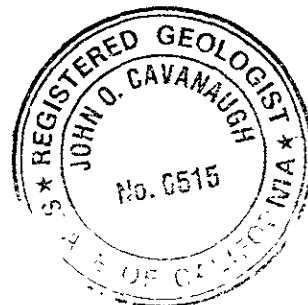
Helen Mawhinney
Environmental Specialist

12-23-03
Date



John Cavanaugh
CA Registered Geologist License No. 6515

12-23-03
Date



1.0 INTRODUCTION

The following report documents a limited site assessment in the area of one former 500-gallon gasoline underground storage tank (UST), located beneath the site at 1115 21st Street, Oakland, California. The report includes, but is not limited to, a description of the method of soil boring advancement, sample collection, analyses, analytical results, and recommendations and conclusions.

Work performed include the advancement of five soil borings in the area of the former tank pit excavation, it's associated fuel dispenser, and product line. Soil and groundwater samples were collected and analyzed.

The purpose of the investigation was to attempt to determine the lateral and vertical migration, if any, of known contaminants in soil and ground water.

1.1 Subject Property Setting

The subject property located in the western portion of the City of Oakland in the San Francisco Bay Area occupies a broad alluvial valley that slopes gently northward toward the San Francisco Bay and is flanked by alluvial fans deposited at the foot of the Diablo Range to the east and the Santa Cruz Mountains to the west.

The subject site is located approximately 1.25-miles west of Lake Merritt, a tidally influenced lake. Surface topography on and in the immediate vicinity of the subject property is almost flat.

1.2 Geologic and Soil Conditions

Materials underlying the site area are Quaternary-age sediments consisting of unconsolidated gravels, sands, and silts with interbeds of fine-grained floodplain clay deposits that form aquitards. Beneath these sediments, are older fine to coarse-grained sandy sediments (Lake Merritt Sand) deposited by erosion and alluvial deposition from the nearby upland surfaces. Bedrock at an estimated depth of less than 250-feet beneath the sediments consists of Jurassic-aged sedimentary rocks of the Franciscan Formation.

1.3 Groundwater Conditions

The subject site is located on the San Francisco Bay plain in the northernmost part of the Santa Clara Valley Groundwater Basin, (RWQCB, 1986), the surface of which slopes gently down toward the San Francisco Bay. The regional groundwater flow follows the topography, moving from areas of higher elevations to areas of lower elevation. The regional groundwater flow direction in the area of the subject property is estimated to be toward the west. Groundwater was encountered approximately 11.0' to 12.0' beneath the ground surface (bgs)

2.0 PREVIOUS ENVIRONMENTAL HISTORY

2.1 Removal of 500-Gallon Gasoline Underground Storage Tanks

One 500-gallon gasoline underground storage tank (UST) was removed from the subject site on November 11, 1993. A soil sample, designated as BP-1, was collected from beneath the former UST. The analytical results indicated Total Petroleum Hydrocarbons as gasoline (TPHg) at 630 mg/Kg, Benzene 600 ug/Kg, Toluene 770 ug/Kg, Ethyl Benzene 940 ug/Kg, Total Xylenes 2.5 ug/Kg and Lead 6.6 mg/Kg. Two samples, designated as SP-1 and SP-2, were collected from the stockpiled soil. Analytical results are presented in Table I.

TABLE I
Original Removal of One 500-Gallon Gasoline UST
November 23, 1993

Sample ID	TPHg (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl-Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Lead (mg/Kg)
BP-1	630	600	770	940	2500	6.6
SP-1	ND	ND	ND	ND	ND	7.0
SP-2	22	21	27	33	85	3.2
Detection Limit	1.0	5.0	5.0	5.0	5.0	1.0

ND = Non Detect for constituent analyzed.

2.2 Attempt to Excavate Contaminated Soil

On May 6, 1994, Tank Protect Engineering attempted to remove soil impacted with TPHg and BTEX. Analytical results indicate the excavation was successful with the exception of the tank pit wall adjacent to 21st Street. The laboratory analyses reported Total Petroleum Hydrocarbons as gasoline (TPHg) at 290 mg/Kg, Benzene 2.8 mg/Kg, Toluene 5.8 mg/Kg, Ethyl Benzene 6.0 mg/Kg, and Total Xylenes 38 mg/Kg.

Analytical results are presented within Table II.

**2.2.1 Analytical Results of Soil Samples Collected
Subsequent to the Excavation of Contaminated Soil**

**TABLE II
Over Excavation of Tank Pit
May 6, 1994**

Sample ID	TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-Benzene (mg/Kg)	Total Xylenes (mg/Kg)	Lead (mg/Kg)
VSP-1 (10')	290	2.8	5.8	6.0	38.0	NA
VSP-2 (10')	ND	ND	ND	ND	ND	NA
VSP-3 (11')	ND	ND	ND	ND	ND	NA
VSP-4 (10')	ND	ND	ND	ND	ND	NA
VSP-5 (10')	ND	ND	ND	ND	ND	NA

ND = Non Detect for constituent analyzed.

3.0 SCOPE OF SERVICES

This report describes a limited site assessment performed in the area of one former 500-gallon gasoline underground storage tank (UST), and beneath its associated dispenser and product lines. This was accomplished by the advancement of five soil borings for the collection and analyses of soil and groundwater samples. The purpose of the assessment was to attempt to determine the lateral and vertical migration of contamination, if any, in soil and groundwater.

3.1 Site Investigation

Five soil borings were advanced as follows: one soil boring on the northern wall of the former tank pit excavation, designated as 2VSP1; one 9.0' north of 2VSP1, on 21st Street, designated as FB-1; one 23.0' west of the former tank pit within the sidewalk, designated as FB-2; one beneath the former dispenser, designated as DISP; and one beneath the former product line, PL. Soil borings 2VSP-1, FB-1, and FB-2 were advanced approximately 4.0' below first encountered groundwater. Soil borings DISP and PL were advanced to a total depth of 4.0' bgs.

3.1.1 Former Tank Pit

One exploratory soil boring (2VSP-1) was advanced in the north wall of the former tank pit (location of over excavation confirmatory sample VSP-1). Soil and groundwater samples were collected and analyzed. Soil and groundwater samples collected within soil borings FB-1 and FB-2 were placed on hold at North State Labs pending analytical results from boring 2VSP-1. Analytical results for soil and groundwater samples collected within boring 2VSP-1 were non-detect for all contaminants of concern. Therefore soil and groundwater samples collected within borings FB-1 and FB-2 were not analyzed.

3.1.2 Dispenser, Product Lines

One exploratory soil boring (DISP) was advanced beneath the former product dispenser, to a total depth of 4.0' below ground surface (bgs). An additional boring (PL) was advanced beneath the product line to a total depth of 4.0' bgs. Soil samples collected between the surface and 4.0' bgs were examined for indications of contamination, none were encountered.

3.2 Exploratory Soil Borings

Environmental Control Associates (ECA) of Aptos, California, performed field exploration using direct push Geoprobe ® equipment. Two-inch diameter soil probes were advanced using truck-mounted hydraulic equipment to push and/or hammer, the Geoprobe ®, sampler into undisturbed soil. Continuous core soil samples were retrieved in clear plastic liners, so as to allow continuous profiling of the lithologic column.

Soil borings 2VSP-1, FB-1, and FB-2 were advanced to approximately three-feet below first encountered groundwater, to allow for the collection of groundwater samples.

3.3 Collection of Soil Samples

Continuous core soil was collected within borings 2VSP-1, FB-1, and FB-2 and a 10.0' soil sample prepared for transport to a certified laboratory for analysis. Continuous core soil was also collected beneath the former dispenser and product line and a 4.0' sample prepared for laboratory analysis.

To prepare the soil samples for transport to a certified laboratory for analysis the clear plastic liner was cut to a six-inch length, using a clean cutting tool designed specifically for this purpose. Each end of the tube was covered with a clean Teflon sheet and tightly fitting plastic caps, then labeled with the site project number, date, and time of collection, depth interval, company and sampler ID. Pertinent data was entered on the chain of custody (COC) document. The sample was placed in a clean cooler, with ice in a plastic container, pending transport to an analytical laboratory.

3.4 Field Monitoring

Soil was field monitored for odor and discoloration, and hydrocarbon vapor using a Gastech Model 1314, calibrated with hexane for gasoline vapor detection. No indications of hydrocarbons were present.

3.5 Collection of Groundwater Samples

Groundwater samples were collected within borings 2VSP-1, FB-1, and FB-2 by lowering a clean 1/2-inch stainless steel bailer into the hole, and retrieving a groundwater sample. This process was repeated and the bailer decanted into two one-liter amber glass bottles and two 40-ml volatile analysis vials (VOAs), to a positive meniscus eliminating headspace.

3.6 Decontamination

Prior to arriving on site the drill rig and all parts that approach the borings were decontaminated using a hot pressure wash. All sampling equipment was decontaminated between samples using an Alconox wash, and two tap water rinses.

3.7 Analyses

Soil samples were transported to North State Labs of South San Francisco, California, a state certified hazardous materials analytical laboratory, under chain of custody.

Selected soil samples and all groundwater samples, were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHg), Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) and MTBE and Fuel Oxygenates, using EPA Modified Method 8015/8020/602.

3.7.1 Analytical Results of Soil and Groundwater Samples Collected During a Limited Site Assessment

TABLE II
Limited Site Assessment
Soil Analytical Results
December 12, 2003

Sample ID	TPHg ($\mu\text{g}/\text{Kg}$)	Benzene ($\mu\text{g}/\text{Kg}$)	Toluene ($\mu\text{g}/\text{Kg}$)	Ethyl-Benzene ($\mu\text{g}/\text{Kg}$)	Total Xylenes ($\mu\text{g}/\text{Kg}$)	8260 ($\mu\text{g}/\text{Kg}$)
2VSP-1 (10')	ND	ND	ND	ND	ND	ND
FB-1 (10')	ND	ND	ND	ND	ND	ND
FB-2 (10')	ND	ND	ND	ND	ND	ND
DISP (4')	ND	ND	ND	ND	ND	ND
PL (4')	ND	ND	ND	ND	ND	ND

ND = Non Detect for constituent analyzed.

Analyses performed USA EPA Method 8260 included MTBE

TABLE III
Limited Site Assessment
Groundwater Analytical Results
December 12, 2003

Sample ID	TPHg ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-Benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	8260 ($\mu\text{g/L}$)
2VSP-1	ND	ND	ND	ND	ND	ND
FB-1	ND	ND	ND	ND	ND	ND
FB-2	ND	ND	ND	ND	ND	ND

ND = Non Detect for constituent analyzed.

Analyses performed USA EPA Method 8260 included MTBE

3.8 Health and Safety Plan

A site specific Health and Safety Plan was onsite to guide the field crew in safely handling potentially hazardous materials, to discuss potential site and work hazards, and to identify the nearest health care facilities. These issues were discussed in a tailgate safety meeting prior to the initiation of work.

4.0 Recommendations and Conclusions

The soil and groundwater sample collected within exploratory boring 2VSP-1, 6" from the former 500-gallon gasoline tank pit, was analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHg), Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), MTBE and Fuel Oxygenates and were reported as not detected at the lower detection limit for each contaminant of concern. Soil samples collected beneath the fuel dispenser (DISP), and product lines (PL) at a depth of 4.0' bgs were also reported as not detected for each contaminant of concern. Laboratory analytical results indicate that natural biodegradation of previously existing contaminants has occurred and the site is not adversely impacted. It is our recommendation that the site receive closure and no further work is required.

APPENDIX A - FIGURES

Figure 1. Site Location Map

Figure 2. Location of Former 500-Gallon Gasoline UST

Figure 3. Over Excavation of Tank Pit

Figure 4. Soil Boring Locations

1115 21st STREET
OAKLAND, CALIFORNIA

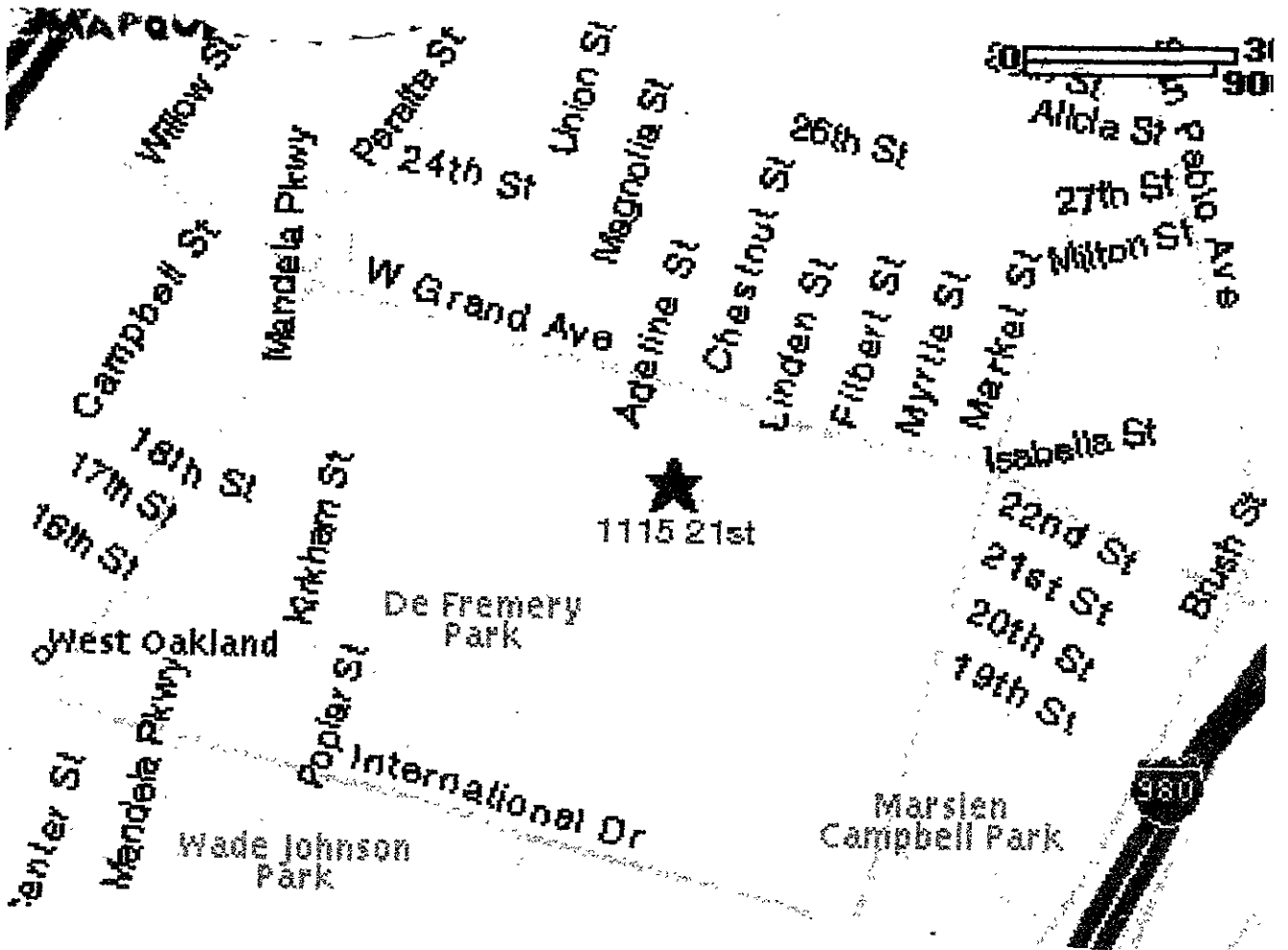


Figure 1 - Site Location Map

Site Location:
1115 21st Street
Oakland, CA 94607

Environmental Technical Services
1548 Jacob Avenue, San Jose, CA 95124
(408) 267-6427

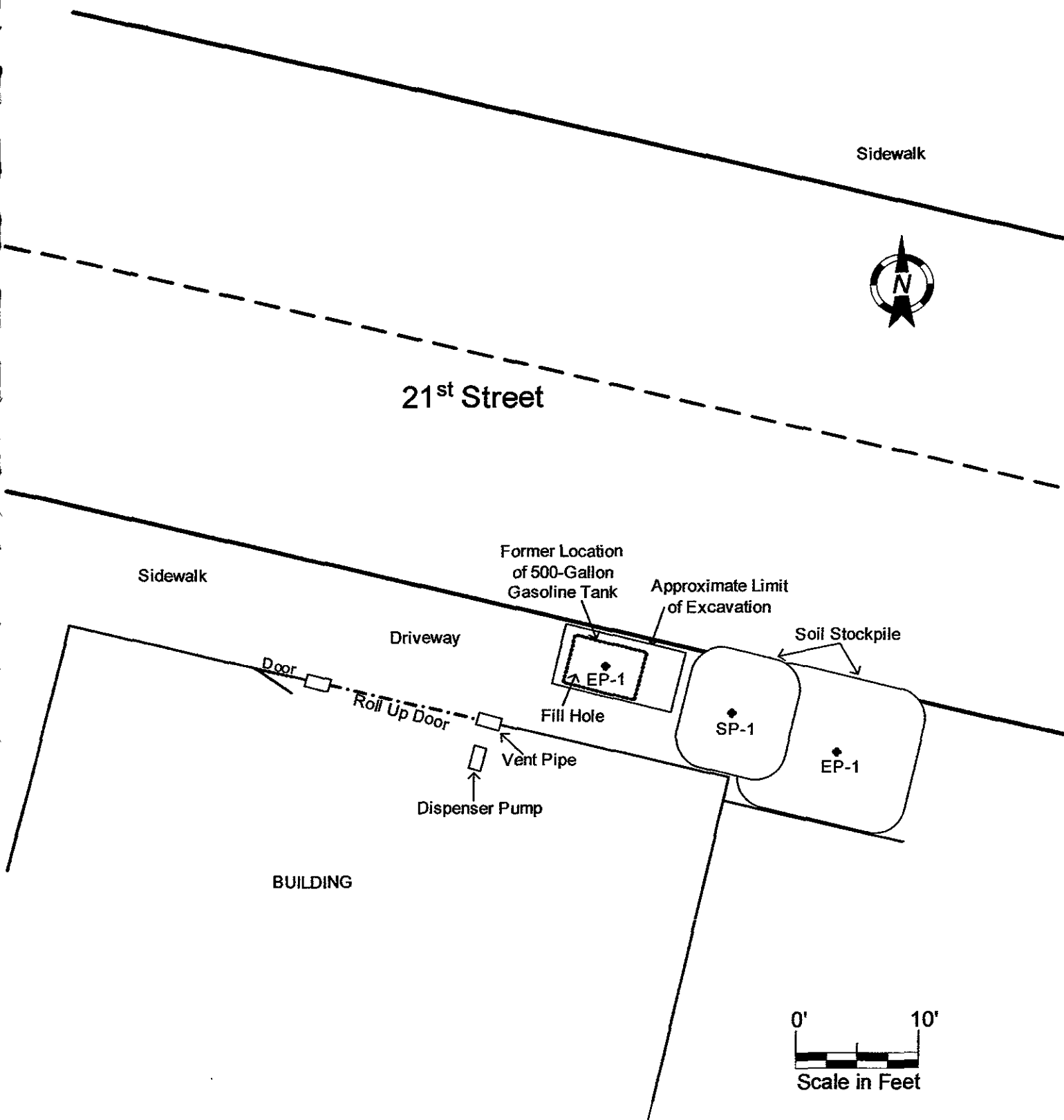


Figure 2 - Former 500-Gallon Gasoline UST Location and Soil Samples Locations collected on November 11, 1993

Site Location:
 1115 2nd Street
 Oakland, CA 94607

Environmental Technical Services
 1548 Jacob Avenue, San Jose, CA 95124
 (408) 267-6427

- Legend:**
- Location of Soil Sample
 - Location of Former UST

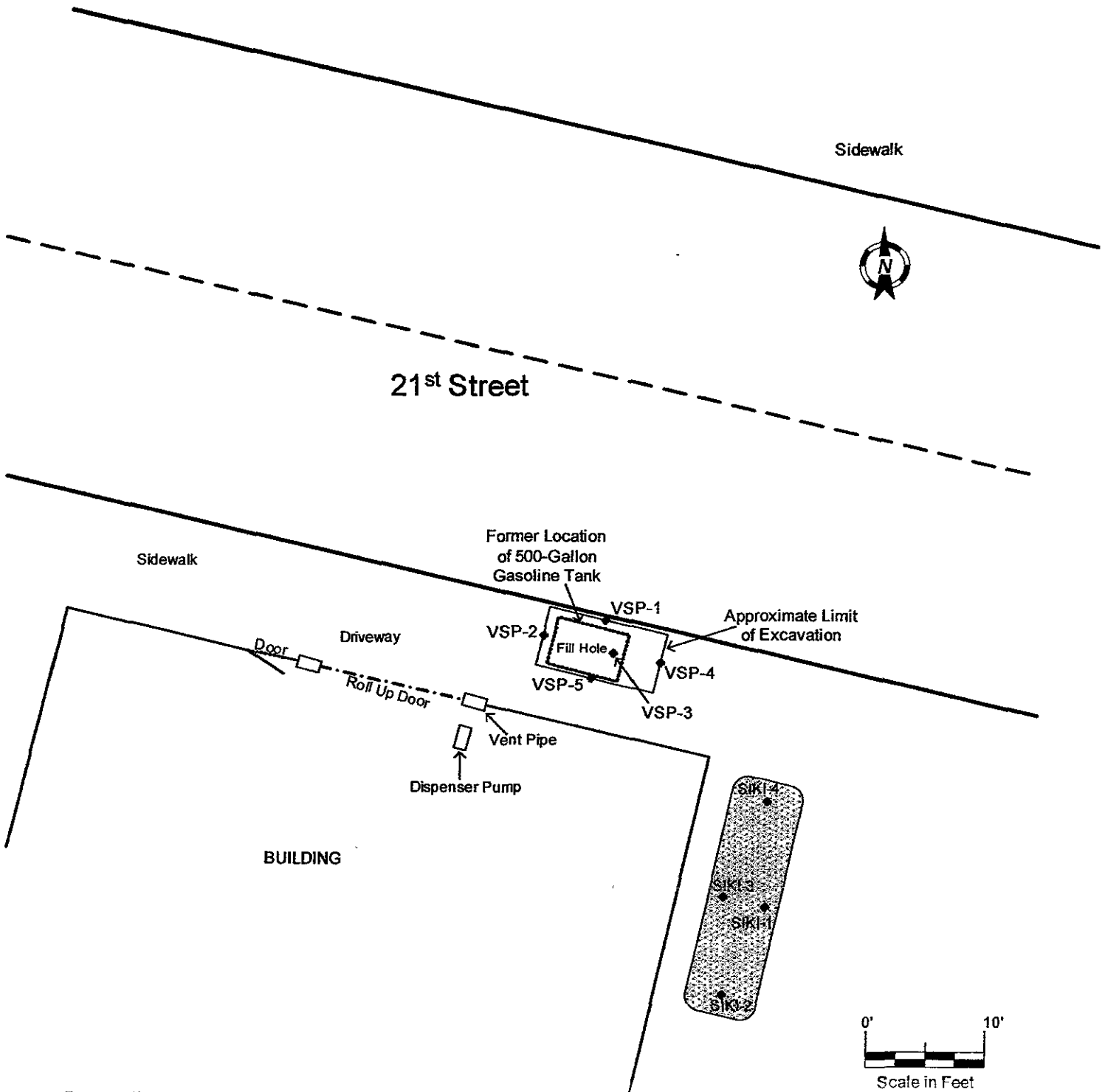


Figure 3 - Over Excavation and Stockpile Soil Sampling - May 6, 1994

Site Location:
 1115 21st Street
 Oakland, CA 94607

Environmental Technical Services
 1548 Jacob Avenue, San Jose, CA 95124
 (408) 267-6427

- Legend:**
- Location of Soil Boring
 - Location of Former UST

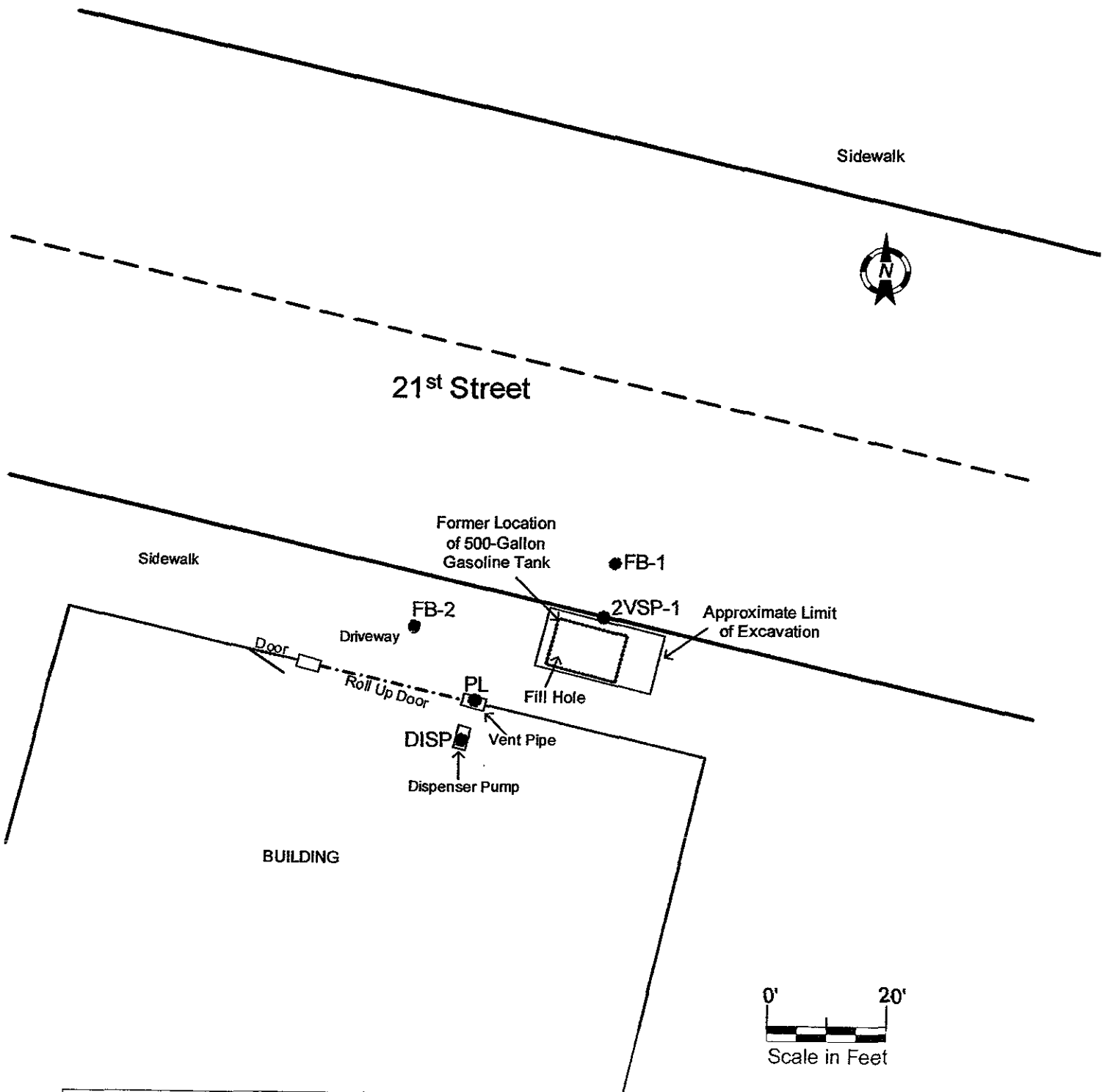


Figure 4 - Location of Former 500-Gallon Gasoline UST and Soil Boring Locations

Site Location:
 1115 2nd Street
 Oakland, CA 94607

Environmental Technical Services
 1548 Jacob Avenue, San Jose, CA 95124
 (408) 267-6427

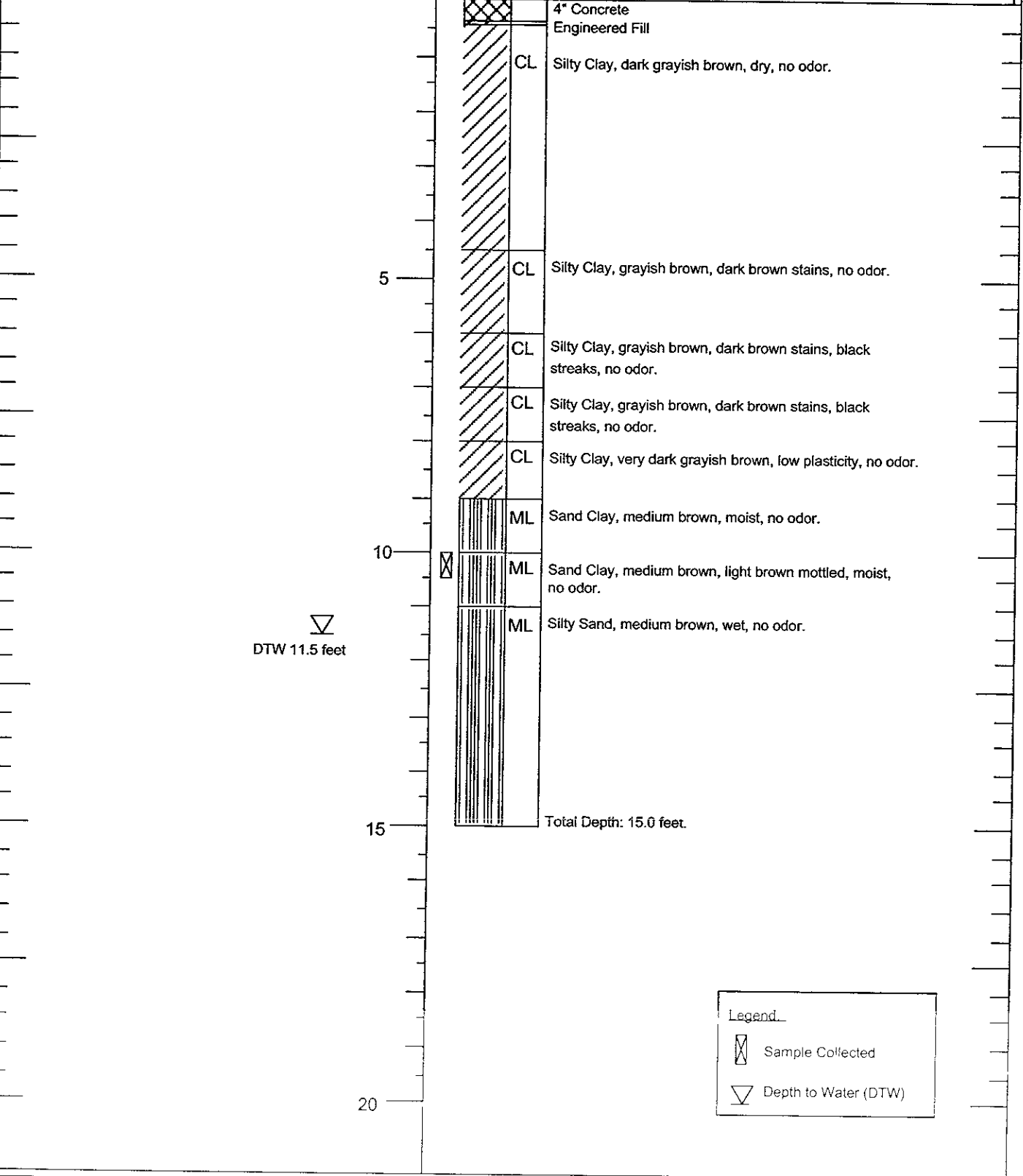
Legend:

- Location of Soil Boring
- Location of Former UST

APPENDIX B

LOG OF BORING 2VSP-1

DRIVEN (inc he s)	RECOVERED (inc he s)	BLOWS	DEPTH (ft)	SAMPLES	SYMBOLS	U.S. C.S.	LITHOLOGIC DESCRIPTION
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Legend
 Sample Collected
 Depth to Water (DTW)

CLIENT Diane Frizzie
 SITE LOCATION 1115 21st Street, Oakland, Ca
 LOGGED BY John Cavanaugh CA Lic #6515

DRILLING COMPANY Environmental Control Associates
 DRILLING METHOD Geoprobe (R)
 DATE December 12, 2003

APPENDIX C

LABORATORY ANALYTICAL REPORT

And

CHAIN OF CUSTODY



C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 03-1822
Client: ETS
Project:

Date Reported: 12/16/2003

Gasoline and BTEX by Methods 8015M/8021B

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 03-1822-01	Client ID: 2VSP1			12/12/2003	SO
Benzene	SW8020F	ND<5	UG/KG		12/15/2003
Ethylbenzene	SW8020F	ND<5	UG/KG		12/15/2003
Gasoline Range Organics	SW8020F	ND<500	UG/KG		12/15/2003
Toluene	SW8020F	ND<5	UG/KG		12/15/2003
Xylenes	SW8020F	ND<10	UG/KG		12/15/2003
Sample: 03-1822-02	Client ID: PL			12/12/2003	SO
Benzene	SW8020F	ND<5	UG/KG		12/15/2003
Ethylbenzene	SW8020F	ND<5	UG/KG		12/15/2003
Gasoline Range Organics	SW8020F	ND<500	UG/KG		12/15/2003
Toluene	SW8020F	ND<5	UG/KG		12/15/2003
Xylenes	SW8020F	ND<10	UG/KG		12/15/2003
Sample: 03-1822-03	Client ID: DISP			12/12/2003	SO
Benzene	SW8020F	ND<5	UG/KG		12/15/2003
Ethylbenzene	SW8020F	ND<5	UG/KG		12/15/2003
Gasoline Range Organics	SW8020F	ND<500	UG/KG		12/15/2003
Toluene	SW8020F	ND<5	UG/KG		12/15/2003
Xylenes	SW8020F	ND<10	UG/KG		12/15/2003



North State Labs

CA ELAP# 1753

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 03-1822
Client: ETS
Project:

Date Reported: 12/16/2003

Gasoline and BTEX by Methods 8015M/8021B

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 03-1822-04	Client ID: 2VSP1			12/12/2003	W
Benzene	SW8020F	ND<0.5	UG/L		12/16/2003
Ethylbenzene	SW8020F	ND<0.5	UG/L		12/16/2003
Gasoline Range Organics	SW8020F	ND<50	UG/L		12/16/2003
Toluene	SW8020F	ND<0.5	UG/L		12/16/2003
Xylenes	SW8020F	ND<1.0	UG/L		12/16/2003



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C E R T I F I C A T E O F A N A L Y S I S

Job Number: 03-1822
Client : ETS
Project :

Date Sampled : 12/12/2003
Date Analyzed: 12/15/2003
Date Reported: 12/16/2003

Fuel Oxygenates by Method 8260B

Laboratory Number	03-1822-01	03-1822-02	03-1822-03
Client ID	2VSP1	PL	DISP
Matrix	SO	SO	SO
Analyte	UG/KG	UG/KG	UG/KG
Methyl-tert-butyl ether	ND<5	ND<5	ND<5
Ethyl tert-butyl ether	ND<5	ND<5	ND<5
tert-Amyl methyl ether	ND<5	ND<5	ND<5
Di-isopropyl ether (DIPE)	ND<5	ND<5	ND<5
tert-Butyl alcohol	ND<250	ND<250	ND<250
1,2-Dichloroethane	ND<5	ND<5	ND<5
1,2-Dibromoethane	ND<5	ND<5	ND<5
Ethanol	ND<500	ND<500	ND<500
SUR-Dibromofluoromethane	100	136	142
SUR-Toluene-d8	80	86	85
SUR-4-Bromofluorobenzene	108	114	110

Comments:



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C E R T I F I C A T E O F A N A L Y S I S

Job Number: 03-1822
Client : ETS
Project :

Date Sampled : 12/12/2003
Date Analyzed: 12/15/2003
Date Reported: 12/16/2003

Fuel Oxygenates by Method 8260B

Laboratory Number	03-1822-04
Client ID	2VSP1
Matrix	W
Analyte	UG/L
Methyl-tert-butyl ether	ND<0.5
Ethyl tert-butyl ether	ND<1
tert-Amyl methyl ether	ND<1
Di-isopropyl ether (DIPE)	ND<0.5
tert-Butyl alcohol	ND<10
1,2-Dichloroethane	ND<1
1,2-Dibromoethane	ND<0.5
Ethanol	ND<100
SUR-Dibromofluoromethane	120
SUR-Toluene-d8	99
SUR-4-Bromofluorobenzene	110

Comments:



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C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

Lab Number: 03-1822

Client: ETS

Project:

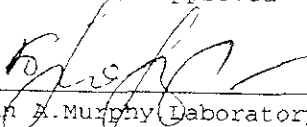
Date Reported: 12/16/2003

Gasoline and BTEX by Methods 8015M/8021B

Analyte	Method	Reporting Unit Limit	Blank	Avg MS/MSD Recovery	RPD
Gasoline Range Organics	SW8020F	500 UG/KG	ND	124/125	1
Benzene	SW8020F	5 UG/KG	ND	123/122	1
Toluene	SW8020F	5 UG/KG	ND	117/117	0
Ethylbenzene	SW8020F	5 UG/KG	ND	108/108	0
Xylenes	SW8020F	10 UG/KG	ND	110/110	0
Gasoline Range Organics	SW8020F	50 UG/L	ND	129/130	1
Benzene	SW8020F	0.5 UG/L	ND	107/108	1
Toluene	SW8020F	0.5 UG/L	ND	110/113	3
Ethylbenzene	SW8020F	0.5 UG/L	ND	110/110	0
Xylenes	SW8020F	1.0 UG/L	ND	116/117	1

ELAP Certificate NO:1753

Reviewed and Approved


John A. Murphy Laboratory Director

Page 3 of 3



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 03-1822
Client : ETS
Project :

Date Sampled : 12/12/2003
Date Analyzed: 12/15/2003
Date Reported: 12/16/2003

Fuel Oxygenates by Method 8260B
Quality Control/Quality Assurance Summary

Laboratory Number	03-1822	MS/MSD	RPD	Recovery	RPD
Client ID	Blank	Recovery		Limit	Limit
Matrix	SO	SO			
Analyte	Results UG/KG	%Recoveries			
Ethanol	ND<500				
Methyl-tert-butyl ether	ND<5				
Di-isopropyl ether (DIPE)	ND<5				
tert-Butyl alcohol	ND<250				
Ethyl tert-butyl ether	ND<5				
tert-Amyl methyl ether	ND<5				
1,2-Dichloroethane	ND<5				
1,2-Dibromoethane	ND<5				
1,1-Dichloroethene	ND<5	70/68	3	54-155	27
Benzene	ND<5	112/110	2	72-122	22
Trichloroethene	ND<5	113/110	3	68-122	20
Toluene	ND<5	102/100	2	73-125	21
Chlorobenzene	ND<10	129/125	3	80-135	21
SUR-Dibromofluoromethane	127	140/140	0	54-145	23
SUR-Toluene-d8	92	86/86	0	81-108	14
SUR-4-Bromofluorobenzene	128	99/112	12	82-118	18

Reviewed and Approved

John A. Murphy
Laboratory Director



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 03-1822
Client : ETS
Project :

Date Sampled : 12/12/2003
Date Analyzed: 12/15/2003
Date Reported: 12/16/2003

Fuel Oxygenates by Method 8260B
Quality Control/Quality Assurance Summary

Table with columns: Laboratory Number, Client ID, Matrix, Analyte, Results UG/L, MS/MSD Recovery, %Recoveries, RPD, Recovery Limit, RPD Limit. Lists various compounds like Ethanol, Methyl-tert-butyl ether, etc.

Reviewed and Approved

Handwritten signature of John A. Murphy, Laboratory Director

03-1822

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: <i>Helen Mankin</i>	Phone No.: <i>510 385 4308</i>	Purchase Order No (Reqd.):	Send Invoice to (if Different): <i>Diane Frizzie</i>	Phone: <i>530 833 9851</i>
Company Name: <i>ETS</i>	Fax No.: <i>510 522 6259</i>	Project Number:	Company:	
Mailing Address: <i>1548 Jacob Ave</i>	email: <i>@aol.com</i>	Project Name: <i>H. Machinry ETS</i>	Billing Address (if Different): <i>P.O. Box 2293</i>	
City: <i>San Jose</i>	State: <i>CA</i> Zip: <i>95118</i>	Project Location:	City: <i>Floornoy</i>	State: <i>CA</i> Zip: <i>96029</i>

Sampler: <i>Helen M</i>	Field Org. Code:	Turn Around Time
Global ID:		<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> Standard (10 Day)

Order ID:	Sampling	Matrix	Composite	Grab	Containers	Preservative	<input type="checkbox"/> Volatile Organics by GC/MS: 8011602 <input type="checkbox"/> 82808 <input type="checkbox"/> <input type="checkbox"/> 824 <input type="checkbox"/> Fuel Organics by GC/MS: 8011602 <input type="checkbox"/> 82808 <input type="checkbox"/> <input type="checkbox"/> MTBE by 82809 <input type="checkbox"/> 82809 <input type="checkbox"/> <input type="checkbox"/> Pesticides 8081 <input type="checkbox"/> PCBs - 8082 <input type="checkbox"/> <input type="checkbox"/> TPHs Gas-BTEX <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Total Gas/Gasoline/TBE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 8270 <input type="checkbox"/> Base/Neutral/Acid Organics <input type="checkbox"/> PMA <input type="checkbox"/> <input type="checkbox"/> Fuel Scan Extractable <input type="checkbox"/> Purgeable <input type="checkbox"/> <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> w/ Siegel Standard Cleanup <input type="checkbox"/> <input type="checkbox"/> PH <input type="checkbox"/> w/ Siegel Column Cleanup <input type="checkbox"/> <input type="checkbox"/> CN <input type="checkbox"/> TPH <input type="checkbox"/> Oil & Grease <input type="checkbox"/> <input type="checkbox"/> Metals - Check Below <input type="checkbox"/> Disposed <input type="checkbox"/> <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TLLC
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Client ID:	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Remarks
1	2VSP1	10'	12/12/09		S				X	
	FB-1	10'	" "		S				X	Hold
	FB-2	10'	" "		S				X	Hold
2	PL	4'	12 "		S				X	
3	DISP	4'	" "		S				X	
4	2VSP1	H2O	" "		W				X	
	FB-1	H2O	" "		W				X	Hold
	FB-2	H2O	" "		W				X	Hold

Relinquished by: <i>Helen Mankin</i>	Received by: <i>Sam Dombal</i>	Date: <i>12/12/09</i>	Time: <i>1400</i>
Relinquished by: <i>Sam Dombal</i>	Received by: <i>Helen Mankin</i>	Date: <i>12/10/09</i>	Time: <i>1515</i>
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments: *8260 EOB, EAC, TAM, ETB, BIP, TBA, MTBE*

Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W : RCRA-8 CAM-17 Plating PPM-13 LUFT-5

NPDES Detection Limits
 EDD Report Required
 EDF Report Required
 PDF File Required