



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

December 8, 2008

Mr. Alvin and Aracel Selk  
c/o Fred Selk  
184 Basin Side Way  
Alameda, CA 94502-6407

Subject: Subject: SLIC Case RO0002957 (Global ID#T0619730856), Selk Apartments, 757 Santa Clara Avenue, Alameda, CA 94501 – No Further Action

Dear Mr. Selk:

This letter confirms the completion of a site investigation and remedial activities for soil and groundwater investigations at the above referenced location. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions.

Based on information in the above-referenced file this agency finds that the site investigation and corrective action carried out at your facility is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and the subject Spill, Leaks, Investigation, and Cleanup (SLIC) case is closed.

#### **SITE INVESTIGATION AND CLEANUP SUMMARY**

Please be advised that the following conditions exist at the site:

- Petroleum Hydrocarbon Contamination as diesel remains in soil beneath your site at concentrations of 170 parts per million.
- Residual Petroleum Hydrocarbon Contamination as motor oil remains in soil beneath your site at concentrations of 86 parts per million.
- Dissolved phase Petroleum Hydrocarbon Contamination as motor oil remains in soil beneath your site at concentrations of 730 parts per billion.
- Low levels, below environmental screening levels, of lead up to 12 parts per million remain in soil beneath your site.

If you have any questions, please call Mr. Steven Plunkett at (510) 383-1767. Thank you.

Please contact our office if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna L. Drogos".

Donna L. Drogos, P.E.  
LOP and SLIC Program Manager

Alvin Selk  
December 4, 2008  
RO0002957  
Page 2

Enclosures: SLIC Case Closure Summary

cc: Ms. Cherie McCaulou (w/enc)  
SF- Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Steven Plunkett (w/orig enc), D. Drogos (w/enc), M. Dhan (w/enc)

**CASE CLOSURE SUMMARY  
SPILLS, LEAKS INVESTIGATION, AND CLEANUP PROGRAM**

**I. AGENCY INFORMATION**

Date: November 24, 2008

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 383-1767
Responsible Staff Person: Steven Plunkett	Title: Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: Selk Properties		
Site Facility Address: 757 Santa Clara Avenue, Alameda, CA 94502		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO0002957
URF Filing Date: --	Global ID No.: T0619730856	APN: 73-420-10
<b>Responsible Parties</b>	<b>Addresses</b>	<b>Phone Numbers</b>
Mr. Alvin and Aricel Selk	184 Basinside Way, Alameda, CA 94502-6407	510-484-7996

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	1,500-gallon	Home Heating Oil	Removed	10-16-2007
Piping			Closed in place	10-16-2007

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and Type of Release: Unknown		
Site characterization complete? Yes	Date Approved By Oversight Agency: 09/18/2008	
Monitoring wells installed? No	Number: 0	Proper screened interval? NA
Highest GW Depth Below Ground Surface: 6.98 ft bgs	Lowest Depth: 7.77 ft bgs.	Flow Direction: Southeast
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: A well survey was conducted that identified 3 irrigation wells within a 2,000 feet radius of the Site. The wells are located approximately 1000 feet upgradient of the site and will not be affected. Considering the non-migratory residual concentrations of petroleum hydrocarbons in the groundwater that is confined to the primary source areas at the Site, no water wells, deeper drinking water aquifers, surface water or other sensitive receptors are likely to be impacted.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Crown Memorial State Beach located 2,000 feet southwest and downgradient of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

#### TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1-1,500-gallon	Circosta Iron and Metal, South San Francisco, CA	10/17/2007
Piping	Not Reported	Abandoned in place	10/17/2007
Free Product	524 gallons	Alviso Independent Oil, Alviso CA	10/17/007
Soil	NA	---	---
Groundwater	NA	---	---

#### MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP (Please see Attachments for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
TPH (Diesel)	170	170	Not Analyzed	<49
TPH (Motor Oil)	86	86	Not Analyzed	730
Benzene	<0.025	<0.005	Not Analyzed	<0.5
Toluene	<0.025	<0.005	Not Analyzed	<0.50
Ethylbenzene	<0.025	<0.005	Not Analyzed	<0.50
Xylenes	<0.025	<0.005	Not Analyzed	<0.50
MTBE	<0.025 <sup>2</sup>	<0.005	Not Analyzed	<1 <sup>1</sup>
Lead	12	Not Analyzed	Not Analyzed	Not Analyzed

<sup>1</sup>Other VOCs (Groundwater): <1 ppb MtBE, <10µg/L TBA, <10µg/L DIPE, <0.5 µg/L TAME, <10µg/L EDB, <0.5 µg/L 1,2-DCA, <300 µg/L EtOH, ETBE not analyzed

<sup>2</sup>Other VOCs (Soil): <0.04 mg/kg MtBE, <0.04 mg/kg TBA, <0.04 mg/kg DIPE, <0.04 mg/kg TAME, <0.04 mg/kg EDB, <0.04 mg/kg 1,2-DCA, ETBE not analyzed

#### Site History and Description of Corrective Actions:

The Site is currently a multi unit residence located in the City of Alameda. During a property transaction screening, one 1,500 gallon underground storage tank, which was used to store home heating oil, was discovered in the sidewalk adjacent to the property. Golden Gate Environmental (GGE) removed the UST on October 17, 2007, and confirmation soil samples were collected from the excavation bottom at 11 feet bgs. Contamination was discovered in soil at concentrations of up to 160 ppm TPHd. No other TPH constituents or fuel additives were detected above laboratory reporting limits.

In March 2008, GGE installed four exploratory borings to evaluate groundwater quality and to assess the extent of the unauthorized release beneath the site. Findings from the investigation established the hydraulic gradient toward the south east at 0.02 ft/ft. TPHmo was detected in soil samples collected from soil boring B-2 at 6 feet bgs at concentrations of 86 ppm. TPHd, BTEX and MtBE were not detected in any soil samples collected from the soil borings above laboratory reporting limits. Additionally, grab groundwater samples collected from the soil boring B-3 detected 730 ppb TPHmo, while a grab groundwater sample collected from soil boring B-2 detected 380 TPHmo. TPHd, BTEX and MtBE were not detected above laboratory detection limits in any groundwater samples.

Contamination in soil and groundwater appears defined and is limited to the area immediately adjacent to the former UST tank pit.

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a significant risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: NA	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

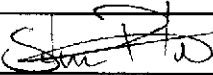
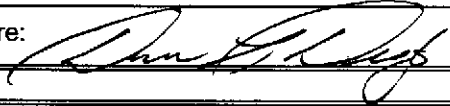
#### V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:
<ul style="list-style-type: none"><li>• Currently, residual soil contamination of TPH-d and TPH-mo at concentrations of 160 mg/kg and 86 mg/kg, respectively, was left in place near the former UST tank pit. The residual contamination does not appear to pose a significant risk to the current land use of the site or to groundwater resources in the area.</li><li>• Residual TPH-mo was detected in groundwater at concentrations up to 730 µg/L, which exceed the ESLs where groundwater is a potential drinking water source. The dissolved phase TPHmo contamination does not appear to be mobile and is expected to decrease over time as a result of biodegradation and natural attenuation processes.</li><li>• During the preliminary site assessment, no soil samples were collected below 7 feet bgs, which is above the level of the bottom of the UST.</li></ul>

**Conclusion:**

Alameda County Environmental Health staff consider that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site based on the current land use of the site.

**VI. LOCAL AGENCY REPRESENTATIVE DATA**

Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
Signature: 	Date: November 13, 2008
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 11/25/08

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

**VII. REGIONAL BOARD NOTIFICATION**

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature:	Date:

**VIII. MONITORING WELL DECOMMISSIONING**

Date Requested by ACEH: --	Date of Well Decommissioning Report: --	
All Monitoring Wells Decommissioned: --	Number Decommissioned: --	Number Retained: --
Reason Wells Retained: No monitoring wells installed or retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature:	Date:	

**Attachments:**

1. Site Vicinity Map.
2. Site Map
3. Groundwater Potentiometric Surface Map
4. Groundwater Analytical Data
5. Soil Analytical Data (2 pages)
6. Geologic Cross Section
7. Soil Boring Logs

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

**Conclusion:**  
 Alameda County Environmental Health staff consider that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site based on the current land use of the site.

**VI. LOCAL AGENCY REPRESENTATIVE DATA**

Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
Signature:	Date: November 13, 2008
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: <i>[Signature]</i>	Date: <i>[Signature]</i>

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

**VII. REGIONAL BOARD NOTIFICATION**

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 11/24/08
Signature: <i>Cher McCaulou</i>	Date: 12/3/08

**VIII. MONITORING WELL DECOMMISSIONING**

Date Requested by ACEH: -	Date of Well Decommissioning Report: -	
All Monitoring Wells Decommissioned: -	Number Decommissioned: -	Number Retained: -
Reason Wells Retained: No monitoring wells installed or retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature:	Date:	

**Attachments:**

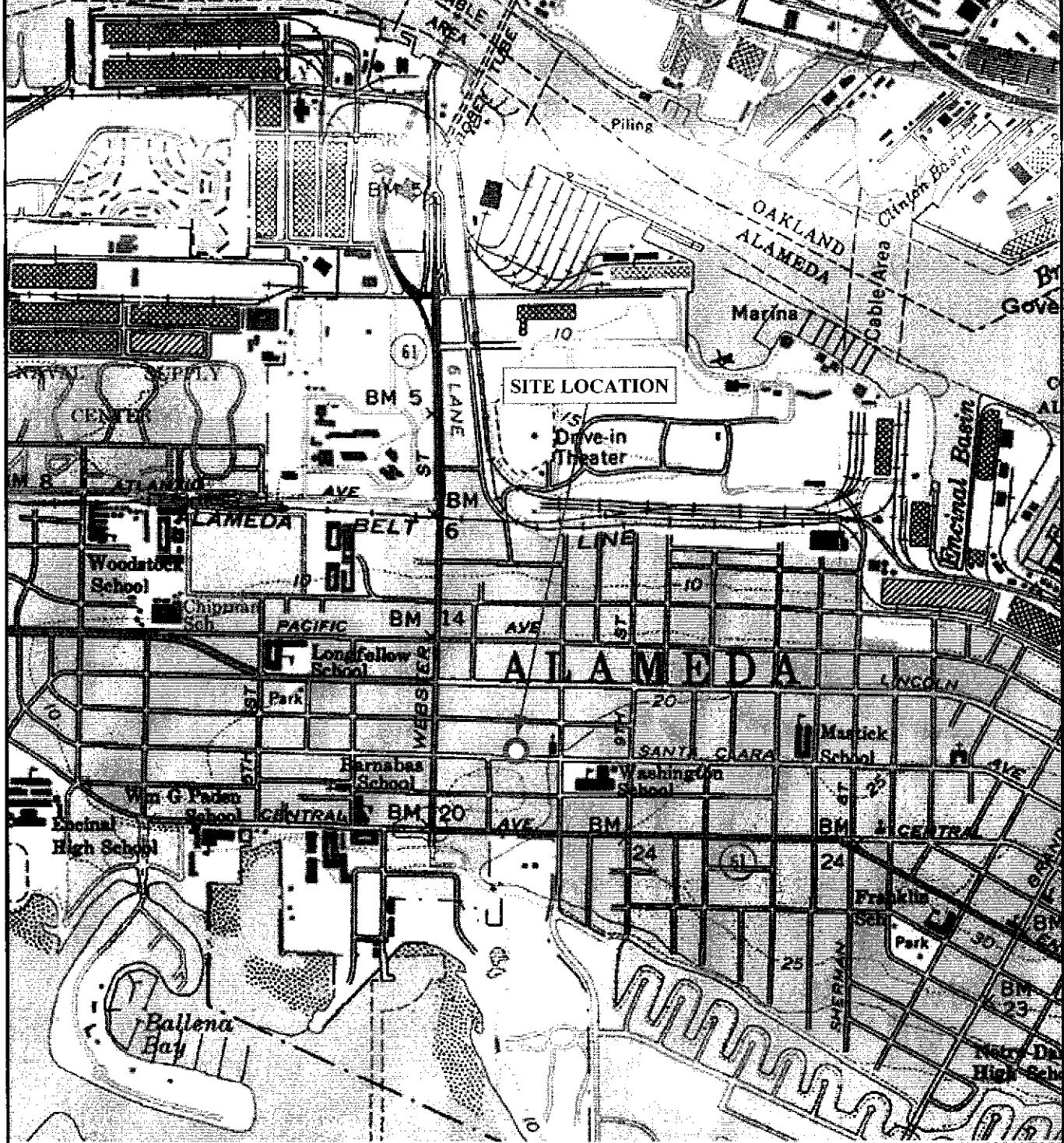
1. Site Vicinity Map.
2. Site Map
3. Groundwater Potentiometric Surface Map
4. Groundwater Analytical Data
5. Soil Analytical Data (2 pages)
6. Geologic Cross Section
7. Soil Boring Logs

Post-it* Fax Note 7671	Date 12/3/08	# of pages 1
To Steven Plunkett	From Cherie McCaulou	
Co./Dept. ACEH-LOP	Co. RWOLB	
Phone (510) 383-1767	Phone (510) 622-2342	
Fax # (510) 337-9335	Fax # (510) 622-2464	

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

37°47'32", 122°17'24"

37°47'32", 122°15'23"



37°45'48", 122°17'24" NAD83

37°45'48", 122°15'23"



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**GOLDEN GATE ENVIRONMENTAL, INC.**

3730 Mission Street  
San Francisco, CA 94110  
Ph (415) 970-9088 Fx (415) 970-9089

**SITE LOCATION MAP**

757 Santa Clara Avenue  
Alameda, California 94501

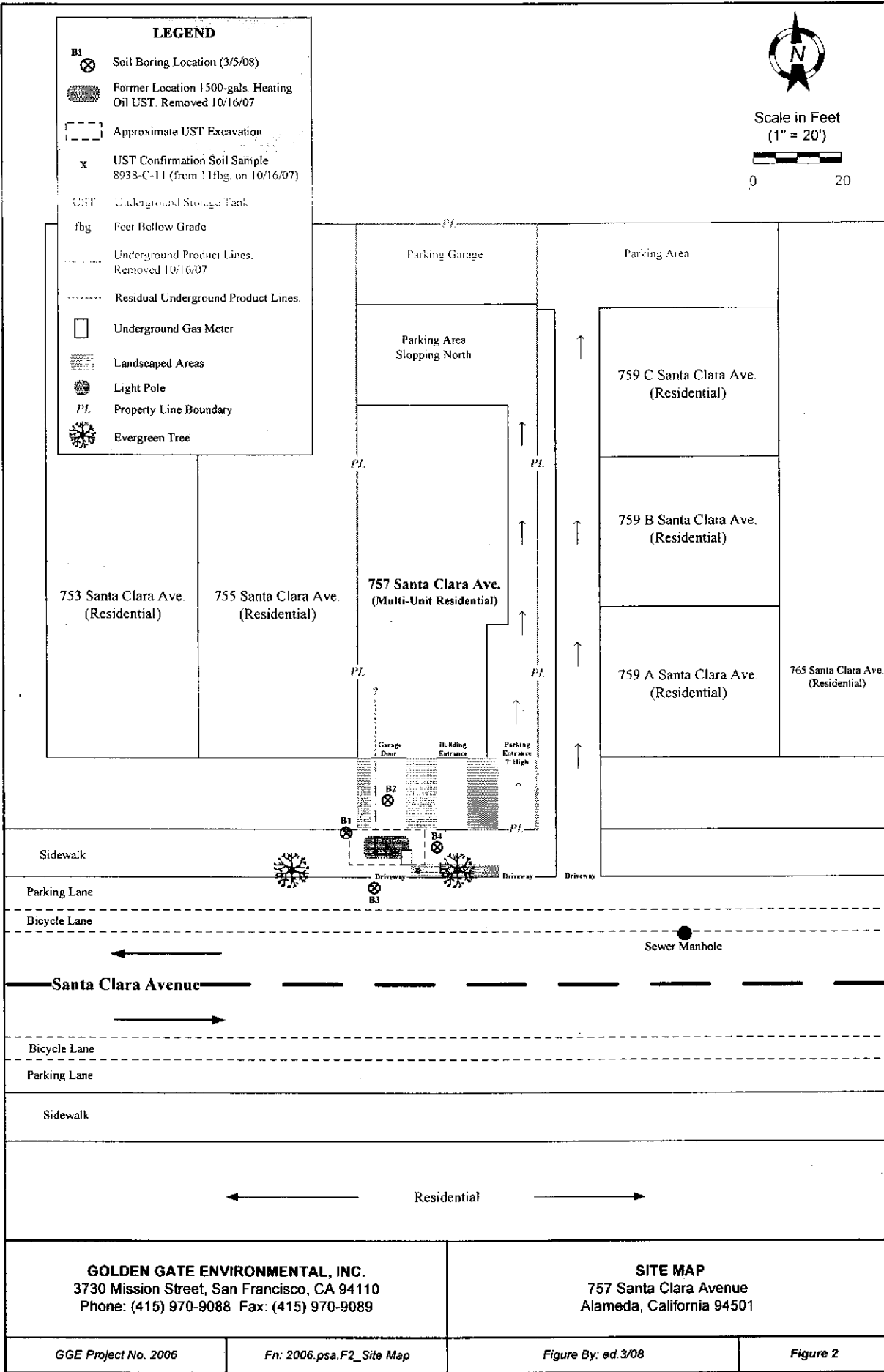
GGE Project No. 2006

Fn: 2006.psa.F1

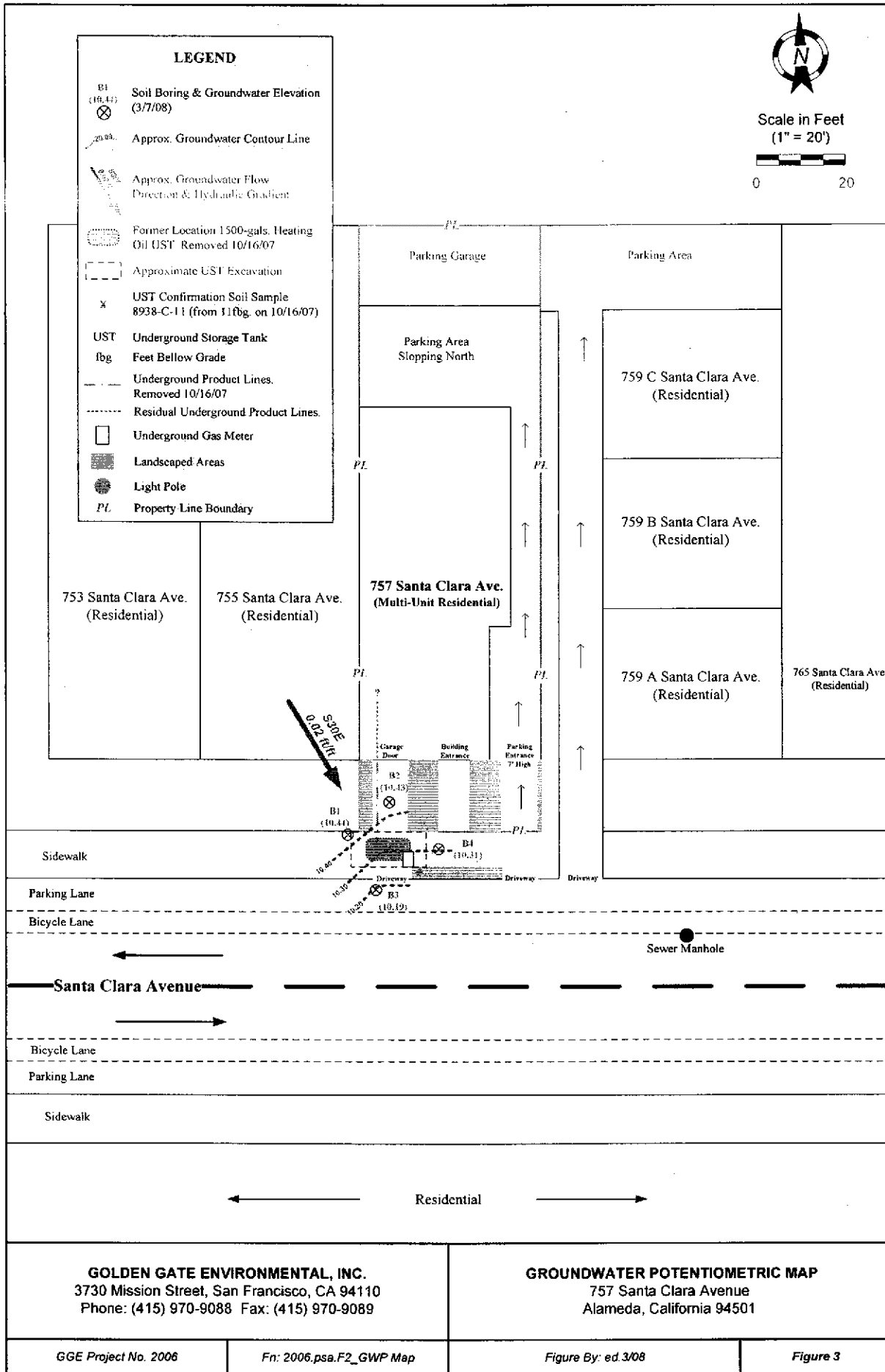
Figure By: baw/3.08

Figure 1





# ATTACHMENT 2



**TABLE 3**  
**Results of Grab Groundwater Sample Analysis**  
**757 Santa Clara Avenue, Alameda, CA**

Boring location	Sample ID	Sample Date	Depth (feet)	Depth to Groundwater (ft)	Groundwater Temperature (°C)	TPH-D (ug/L)	TPH-MO (ug/L)	BTEX (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	EDB/EDC/TBA/DIPE/TAME (ug/L)
<b>B1</b>	B1-W	3/5/2008	17.78	7.34	10.44	ND<48	ND<190	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
<b>B2</b>	B2-W	3/5/2008	17.78	7.35	10.43	ND<48	380	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
<b>B3</b>	B3-W	3/5/2008	17.17	6.98	10.19	ND<48	730	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
<b>B4</b>	B4-W*	3/5/2008	18.08	7.77	10.31	ND<49 **	ND<200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
CRWQCB November 2007			ESL			100	100	1	40	30	20	5
0.05/0.5/NE/NE/NE												

**Notes:**

TOC = Top of Casing

GW = Groundwater

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes

MTBE = Methyl tertiary-butyl ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

TBA = Tert-Butanol

DIPE = Diisopropyl Ether

TAME = tert-Amyl Methyl Ether

fb TOC = Feet below Top of Casing (Assumed Elevation. Not reference to Mean Sea Level)

ug/L = Micrograms per Liter

\* = Sample also analyzed for Total Dissolved Solids (440 mg/L) by EPA Method

\*\* = Sample contains 700 ug/L discrete peaks in the Diesel range (C10 - C28);

    Volatile peak contains non target compound (Bicyclo[2.2.1]heptan-2-one, 1,7,7-; trimethyl-)

NE = Not Established

ND = Not Detected

CRWQCB November 2007 / ESL: California Regional Water Quality Control Board / Environmental Screening Levels where groundwater *IS* a current or potential source of drinking water.

**TABLE 1**  
**Historical Results of Tank Removal Sample Analysis**  
**757 Santa Clara Avenue, Alameda, CA**

Sample ID	Sample Depth (fbg)	Sample Date	TPH-D (ppm)	B (ppm)	TOL (ppm)	E (ppm)	X (ppm)	MTBE (ppm)	LEAD (ppm)
8938-SP (A-D) (Stockpile)	Not Applicable	10/16/2007	160*	ND<0.25	ND<0.25	ND<0.25	ND<0.5	ND<0.25	12
8938-C-11	11	10/16/2007	170**	ND<0.025	ND<0.025	ND<0.025	ND<0.05	ND<0.025	NA

**Notes:**

TPH-D = Total Petroleum Hydrocarbons as diesel

BTEX = benzene, toluene, ethylbenzene, total xylenes

MTBE = Methyl tertiary-butyl ether

fbg = Feet below grade

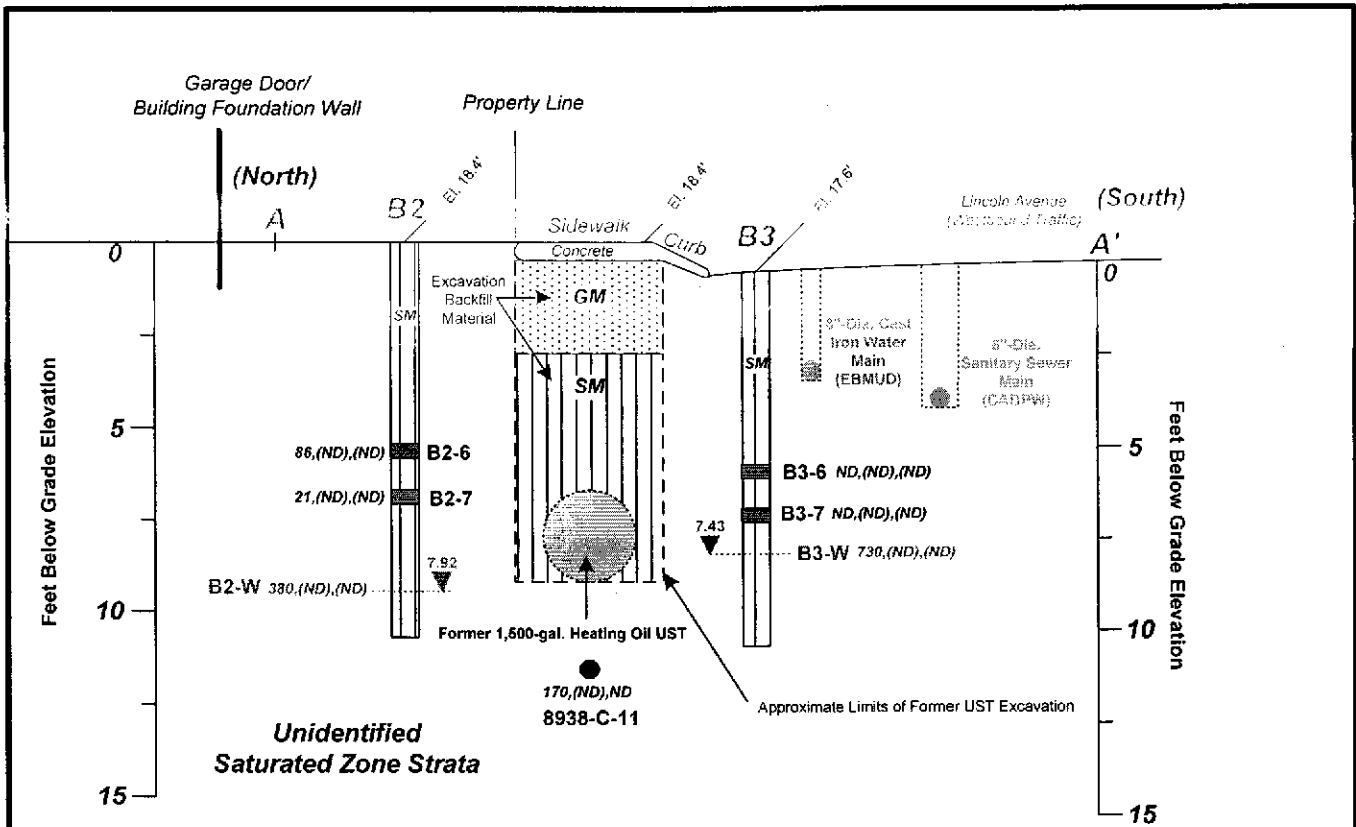
ppm = parts per million

\* = Atypical Pattern (C12-C34)

\*\* = Atypical Pattern (C10-C34)

NA = Not Analyzed

ND = Not Detected



LEGEND	
<b>B2</b>	Soil Boring, March 5, 2008
<b>B2-6</b> 86,(ND),(ND)	Soil sample & TPH, BTEX, OXY concentration in mg/kg
<b>B2-W</b> 380,(ND),(ND)	Grab groundwater sample & TPH, BTEX, OXY concentration in ug/l
<b>8938-C-11</b> 170,(ND),ND	UST Removal soil sample and TPH-D, BTEX, MTBE concentration in mg/kg 6/15/05
<b>7.92</b>	Depth to Static Groundwater measured on 3/7/08
<b>SM</b>	Silty Sand (See boring logs)
<b>GM</b>	Gravel, sand, silt mixture (Import Backfill)
<b>ND</b>	Not detected
<b>TPH</b>	Total Petroleum Hydrocarbons as diesel/motor oil (heating oil range)
<b>TPH-D</b>	Total Petroleum Hydrocarbons as diesel
<b>BTEX</b>	Benzene, Toluene, Ethylbenzene, Xylenes
<b>MTBE</b>	Methyl tertiary-butyl-ether
<b>Oxy</b>	Fuel Oxygenates (EDB, EDC, TBA, DIPE, TAME)
<b>EDB</b>	1,2-Dibromoethane
<b>EDC</b>	1,2-Dichloroethane
<b>TBA</b>	Tert-Butanol
<b>DIPE</b>	Diisopropyl Ether
<b>TAME</b>	Tert-Amyl Methyl Ether
<b>mg/kg</b>	Milligrams per kilograms
<b>ug/l</b>	Micrograms per liter

Notes: See Figure 4 for Cross Section A-A'; grade elevations are based on 03/7/08 site survey activities, performed relative to arbitrary datum point with an assumed elevation of 18' (not Mean Sea Level).

**GOLDEN GATE ENVIRONMENTAL, INC.**  
 3730 Mission Street, San Francisco, CA 94110  
 Phone: (415) 970-9088 Fax: (415) 970-9089

**CROSS SECTION A-A'**  
 757 Santa Clara Avenue  
 Alameda, California

GGE Project No. 2006

Fn:2006\_F5\_Cross Section A-A'

Drawing By: baw\_0308

Figure 5

### SOIL BORING LOG B1

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1					4" Concrete	Concrete (0-4")
5	B1-6	NA	0.0	SM	(4"-6') Silty Sand (SM). 10YR3/6 Dark yellowish Brown. Damp. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	Neat Portland Cement (4"-10.5')
(7.87)	B1-7	NA	0.0		(6"-10.5') Silty Sand (SM). 10YR3/6 Dark yellowish Brown. Saturated at 7.5 fbg. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	
10		NA				
15					Total Borehole Depth = 10.5 fbg Installed temporary 1" piezometer Collected grab groundwater sample B1-W on 3/05/08 at 12:25 hrs.	2.5"
20						
25						

**BORING NUMBER: B1**  
**LOCATION: 757 Santa Clare Ave., Alameda, CA**  
**PROJECT No: 2006**  
**DRILLING CONTRACTOR: John Carver Civil Eng.**  
**DRILLING METHOD: Hand Auger/DPT (Geoprobe)**  
**DRILLING DATE: March 05, 2008**  
**Logged By: E. Diaz Checked By: B. Wheeler**

**Legend/Notes:**

fbg = feet below grade  
 ppm = parts per million  
 NA = Not applicable  
 ☒ = Lithologic sample interval  
 ▒ = Analytical sample  
 (7.87) ▼ = Depth to groundwater measured on 3/07/08

**Golden Gate Environmental, Inc.**

**TABLE 2**  
**Results of Subsurface Boring Soil Sample Analysis**  
**757 Santa Clara Avenue, Alameda, CA**

Sample ID	Sample ID	Date	Sample Depth (fbg)	TPH-D (mg/kg)	TPH-MO (mg/kg)	BTEX (mg/kg)	MTBE (mg/kg)	EDB / EDC / TBA (mg/kg)	DIPE / TAME (mg/kg)		
B1	B1-6	3/5/2008	6	ND<5	ND<20	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
	B1-7	3/5/2008	7	ND<5	ND<20	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
B2	B2-6	3/5/2008	6	ND<5	86 *	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
	B2-7	3/5/2008	7	ND<5	21*	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
B3	B3-6	3/5/2008	6	ND<5	ND<20	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
	B3-7	3/5/2008	7	ND<5	ND<20	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
B4	B4-6	3/5/2008	6	ND<5	ND<20	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
	B4-7	3/5/2008	7	ND<5	ND<20	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.040
CRWQCB November 2007 ESL				86	410	0.044	2.9	3.3	2.5	0.023	0.00033/0.0045/0.000001/NE

**Notes:**

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes

MTBE = Methyl tertiary-butyl ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

TBA = Tert-Butanol

DIPE = Diisopropyl Ether

TAME = tert-Amyl Methyl Ether

fbg = Feet below grade

mg/kg = Milligrams per kilograms

\* = Discrete peaks mixed with Motor Oil

ND = Not Detected

NE = Not Established

CRWQCB November 2007 / ESL: California Regional Water Quality Control Board / Environmental Screening Levels for shallow soils ( $\leq 10$ fbg) in Residential Land Use, where groundwater *IS* a current or potential source of drinking water.

## SOIL BORING LOG B2

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/5')	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail	
1	Hand Auger			SM	(0-6') Silty Sand (SM). 10YR3/3 Dark Brown. Damp. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	Neat Portland Cement (0-10.5')	
5		B2-6	NA		0.0		(6'-10.5') Silty Sand (SM). 10YR3/3 Dark Brown. Saturated at 7.5 feet. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.
(7.92)		B2-7	NA		0.0		
10		NA			Total Borehole Depth = 10.5 fbg Installed temporary 1" piezometer Collected grab groundwater sample B2-W on 3/05/08 at 13:50 hrs.	2.5"	
15							
20							
25							

**BORING NUMBER: B2**  
**LOCATION: 757 Santa Clare Ave., Alameda, CA**  
**PROJECT No: 2006**  
**DRILLING CONTRACTOR: John Carver Civil Eng.**  
**DRILLING METHOD: Hand Auger/DPT (Geoprobe)**  
**DRILLING DATE: March 05, 2008**  
 Logged By: E. Diaz    Checked By: B. Wheeler

Page 1 of 1

**Legend/Notes:**

fbg = feet below grade  
 ppm = parts per million  
 = Lithologic sample interval  
 = Analytical sample  
 (7.92) = Depth to groundwater measured on 3/07/08

NA = Not applicable

**Golden Gate Environmental, Inc.**



## SOIL BORING LOG B3

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1					5" Concrete	Concrete (0-5")
5	B3-6	NA	0.0	SM	(5"-6') Silty Sand (SM). 10YR3/6 Dark yellowish Brown. Damp. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	Neat Portland Cement (5"-10.5')
(7.43)	B3-7	NA	0.0		(6'-10.5') Silty Sand (SM). 10YR3/6 Dark yellowish Brown. Saturated at 8.0 fbg. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	
10		NA				
15					Total Borehole Depth = 10.5 fbg Installed temporary 1" piezometer Collected grab groundwater sample B3-W on 3/05/08 at 11:00 hrs.	2.5"
20						
25						

**BORING NUMBER: B3**  
**LOCATION: 757 Santa Clare Ave., Alameda, CA**  
**PROJECT No: 2006**  
**DRILLING CONTRACTOR: John Carver Civil Eng.**  
**DRILLING METHOD: Hand Auger/DPT (Geoprobe)**  
**DRILLING DATE: March 05, 2008**  
**Logged By: E. Diaz Checked By: B. Wheeler**

**Page 1 of 1**

**Legend/Notes:**

fbg = feet below grade  
 ppm = parts per million  
 ☒ = Lithologic sample interval  
 ▒ = Analytical sample  
 (7.43) ▼ = Depth to groundwater measured on 3/07/08

NA = Not applicable

**Golden Gate Environmental, Inc.**

### SOIL BORING LOG B4

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1				SM	4" Concrete	Concrete (0-4")
5	B4-6	NA	0.0	SM	(4"-6') Silty Sand (SM). 10YR4/4 Dark yellowish Brown. Damp. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	
8.31	B4-7	NA	4.8	SM	(6'-10.5') Silty Sand (SM). 10YR4/4 Dark yellowish Brown. Saturated at 7.5 fbg. Loose. Very fine to fine grained. Moderately graded. No HC odor. No stain. Approx. 70% sand and 30% fines.	Neat Portland Cement (4"-10.5')
10		NA			Total Borehole Depth = 10.5 fbg Installed temporary 1" piezometer Collected grab groundwater sample B4-W on 3/05/08 at 15:15 hrs.	2.5"
15						
20						
25						

**BORING NUMBER: B4**  
**LOCATION: 757 Santa Clare Ave., Alameda, CA**  
**PROJECT No: 2006**  
**DRILLING CONTRACTOR: John Carver Civil Eng.**  
**DRILLING METHOD: Hand Auger/DPT (Geoprobe)**  
**DRILLING DATE: March 05, 2008**  
 Logged By: E. Diaz    Checked By: B. Wheeler

**Legend/Notes:**

- fbg = feet below grade
  - ppm = parts per million
  - ☒ = Lithologic sample interval
  - ▣ = Analytical sample
  - (8.31) ▼ = Depth to groundwater measured on 3/07/08
- NA = Not applicable