ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
DAVID J. KEARS, Agency Director

COPY

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

January 9, 2006,

Mr. Robert Bond
865 Hallmark Drive
Redding, CA 96001

Subject: Fuel Leak Site Case Closure; Monterey Apartments, 748 Lincoln Avenue, Alameda, CA; Case No. RO0002880

Dear Mr. Bond:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Residual concentrations of up to 9,100 micrograms per liter (µg/L) of total petroleum hydrocarbons as diesel remain in groundwater at the site.

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

Sincerely,

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

COPY

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

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

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Steven Plunkett (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

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**HEALTH CARE SERVICES**
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January 9, 2006



Mr. Robert Bond
865 Hallmark Drive
Redding, CA 96001

**REMEDIAL ACTION COMPLETION CERTIFICATE**

Subject: Fuel Leak Site Case Closure; Monterey Apartments, 748 Lincoln Avenue, Alameda, CA; Case No. RO0002880

Dear Mr. Bond:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site 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 that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

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

Sincerely,

Ariu Levi
Director
Alameda County Environmental Health

*Alameda County Environmental Health*

**CASE CLOSURE SUMMARY**
**LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

## I. AGENCY INFORMATION

Date: December 13, 2006

| | |
|---|---|
| Agency Name: Alameda County Environmental Health | Address: 1131 Harbor Bay Parkway |
| City/State/Zip: Alameda, CA 94502-6577 | Phone: (510) 567-6718 |
| Responsible Staff Person: Steven Plunkett | Title: Hazardous Materials Specialist |

## II. CASE INFORMATION

| | | |
|---|---|---|
| Site Facility Name: Monterey Apartments | | |
| Site Facility Address: 748 Lincoln Avenue, Alameda CA 94501 | | |
| RB Case No.: NA | Local Case No.: --- | LOP Case No.: RO0002880 |
| URF Filing Date: 6/27/05 | SWEEPS No.: --- | APN: 073-0419-047-00 |

| Responsible Parties | Addresses | Phone Numbers |
|---|---|---|
| Mr. Robert G. & Caorlyn A. Bond<br>Bond Family Limited Trust | 865 Hallmark Drive, Redding, CA 96001 | 530-241-1050 |
| Ms. Joyce B. Tenney<br>Tenney Limited Trust | 125 Glencrest Lane, Paso Robles, CA 93446 | |
| | | |

| Tank I.D. No | Size in Gallons | Contents | Closed In Place/Removed? | Date |
|---|---|---|---|---|
| NA | 1500 | Heating Oil | Removed | 6/15/05 |
| --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- |
| Piping | | | Unknown | --- |

## III. RELEASE AND SITE CHARACTERIZATION INFORMATION

| | |
|---|---|
| Cause and Type of Release: Corrosion, hole in sidewall of UST | |
| Site characterization complete? Yes | Date Approved By Oversight Agency: --- |

| | | |
|---|---|---|
| Monitoring wells installed? No | Number: NA | Proper screened interval? NA |
| Highest GW Depth Below Ground Surface: 7.87 | Lowest Depth: 7.87 | Flow Direction: Northeast, based regional groundwater direction toward the Oakland Inner Harbor |
| Most Sensitive Current Use: Potential Drinking Water Source | | |

Summary of Production Wells in Vicinity: According to Alameda County Public Works and California Department of Water Resources well survey located two irrigation wells were within the 0.5 mile radius of the site. Because of the distance and the upgradient location of these well it is very unlikely that they are acting as potential receptors or vertical conduits for potential contamination migration from the site.

| | |
|---|---|
| Are drinking water wells affected? No | Aquifer Name: East Bay Plain |
| Is surface water affected? No | Nearest SW Name: San Francisco Bay ~2,500' south west, downgradient of the site |
| Off-Site Beneficial Use Impacts (Addresses/Locations): None Identified | |
| 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 (1500 gal) | Ecology Control Industries, Richmond, CA | 6/15/05 |
| Piping | 15 (ft.) | Ecology Control Industries, Richmond, CA | 6/15/05 |
| Free Product | Residual Sludge/ 600 gallons Rinsate Water | Alviso Independent Oil, Alviso CA | 6/15/05 |
| Soil | NA | NA | NA |
| Groundwater | NA | NA | 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) | <0.5 | <0.5 | <0.5 | <0.5 |
| TPH (Diesel) | <2.5 | <2.5 | 9100 | 48 |
| Oil & Grease | NA | NA | NA | NA |
| Benzene | <0.01 | <0.01 | <0.01 | <0.01 |
| Toluene | <0.01 | <0.01 | <0.5 | <0.5 |
| Ethylbenzene | <0.01 | <0.01 | <0.5 | <0.5 |
| Xylenes | <0.01 | <0.01 | <0.5 | <0.5 |
| *Heavy Metals (Pb)* | <2.5 | <2.5 | NA | NA |
| MTBE * | <0.05 | <0.05 | <1 | <1 |
| Other (8240/8270) | Not Analyzed | Not Analyzed | Not Analyzed | Not Analyzed |

* <0.05 ppm MTBE, * TAME, *ETBE, *DIPE, *TBA, *EtOH, *EDB, and *EDC
*Fuel Oxygenate analysis not performed on soil and grab groundwater samples

Site History and Description of Corrective Actions:

A background investigation during a property transaction resulted in the discovery of an underground storage tank (UST) located at 748 Lincoln Ave. Alameda, California. The site is currently the location of a 21unit residential apartment complex. It appeared that the UST and associated piping were initially installed when the building was constructed, and the UST has not been in operation for several decades. Prior to removal of the UST, any remaining liquid in the tank was removed and the UST was rinsed. The Sludge and rinsate were disposed of at Alviso Independent Oil, Alviso CA.

On June 15, 2005 Golden Gate Tank Removal, Inc. removed one 1,500 gallon home heating oil UST from the subject property. The 1,500 gallon UST was inspected and found to have corrosion and a hole in the sidewall. After removal of the UST, one soil sample was collected from the bottom of the excavation beneath the former UST location at approximately 11.5 feet below ground surface (bgs). Furthermore, one grab groundwater sample was collected from the excavation pit. The samples was submitted for analysis by US EPA methods 8015 M for total petroleum hydrocarbons (TPH), method 8021B for Benzene, Toluene, Ethylbenzene, Total Xlyenes (BTEX) and Methyl tertiary-butyl ether (MTBE). All samples tested non-detect with the exception of groundwater sample ID No. (8657-water), which contained concentrations of 9100 ppb TPHd. In addition, a four point composite sample of the soil stockpile material tested non-detect for TPH, BTEX and MTBE. The soil stockpile overburden was used to backfill the excavation to approximately 3 feet bgs., then clean imported fill material was used to complete the excavation to grade. In August 2005, Alameda County Department of Environmental Health (ACDEH) requested a site characterization be performed to determine the extent of contamination.

Golden Gate Tank Removal performed a preliminary site characterization in November 2005 in response to the request by ACEH. The site characterization included sampling and analysis of four soil borings in the vicinity of the former UST location. Soil samples were collected at approximately 5 feet intervals, while groundwater samples were collected from a temporary well casing installed inside the borehole. Water level data was also recorded for each of the soil borings prior to sampling and abandonment. All soil and grab groundwater samples were submitted for analysis by US EPA methods 8015M for TPH, and method 8021B for BTEX and MTBE. Laboratory analytical results indicate that all soil and groundwater samples tested not detect below laboratory reporting limits.

## IV. CLOSURE

| | | |
|---|---|---|
| Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes No | | |
| Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes No | | |
| 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 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:

- Residual TPHd pollution at concentrations of 9,100 ppb remains in shallow groundwater at concentrations exceeding environmental screening levels for groundwater as established by the Regional Water Quality Control Board in "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater", (February 2005). TPHd contamination in groundwater appears limited to the area of the former UST, beneath the sidewalk and street and is expected to degrade over time.

- Analysis for TAME, ETBE, DIPE, TBA, EDB, EDC and EtOH not performed on soil or groundwater. UST was a home heating oil UST at the site had not been in operation since the late 1960's .

Conclusion:

Alameda County Environmental Health staff has concluded that the remaining contamination does not pose a significant threat to water resources, public health and safety or the environment based upon the information available in our files to date. No further cleanup or investigation is required. ACEH staff recommend case closure for this site.

## VI. LOCAL AGENCY REPRESENTATIVE DATA

| | |
|---|---|
| Prepared by: Steven Plunkett | Title: Hazardous Materials Specialist |
| Signature: Steven Plunkett | Date: 12/13/06 |
| Approved by: Donna L. Drogos, P.E. | Title: Supervising Hazardous Materials Specialist |
| Signature: Donna L. Drogos | Date: 12/13/06 |

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: Cheri McCaulou | Title: Engineering Geologist |
| RB Response: | Date Submitted to RB: |
| Signature: | Date: |

## VIII. MONITORING WELL DECOMMISSIONING

| | | |
|---|---|---|
| Date Requested by ACEH: NA | Date of Well Decommissioning Report: NA | |
| All Monitoring Wells Decommissioned: NA | Number Decommissioned: 0 | Number Retained: 0 |
| Reason Wells Retained: No monitoring wells installed at the site. | | |
| Additional requirements for submittal of groundwater data from retained wells: NA | | |
| ACEH Concurrence - Signature: | | Date: 12/13/06 |

Attachments:
1. Site Vicinity Map
2. Site Plan
3. Soil Analytical Data
4. Groundwater Analytical Data
5. Boring Logs (B1, B2, B3, B4)
6. Geologic Cross Section

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

## VII. REGIONAL BOARD NOTIFICATION

| | |
|---|---|
| Regional Board Staff Name: Cheri McCaulou | Title: Engineering Geologist |
| RB Response: Concur, based on info in the case closure summary | Date Submitted to RB: 12/13/06 |
| Signature: Cheri McCaulou | Date: 1/2/07 |

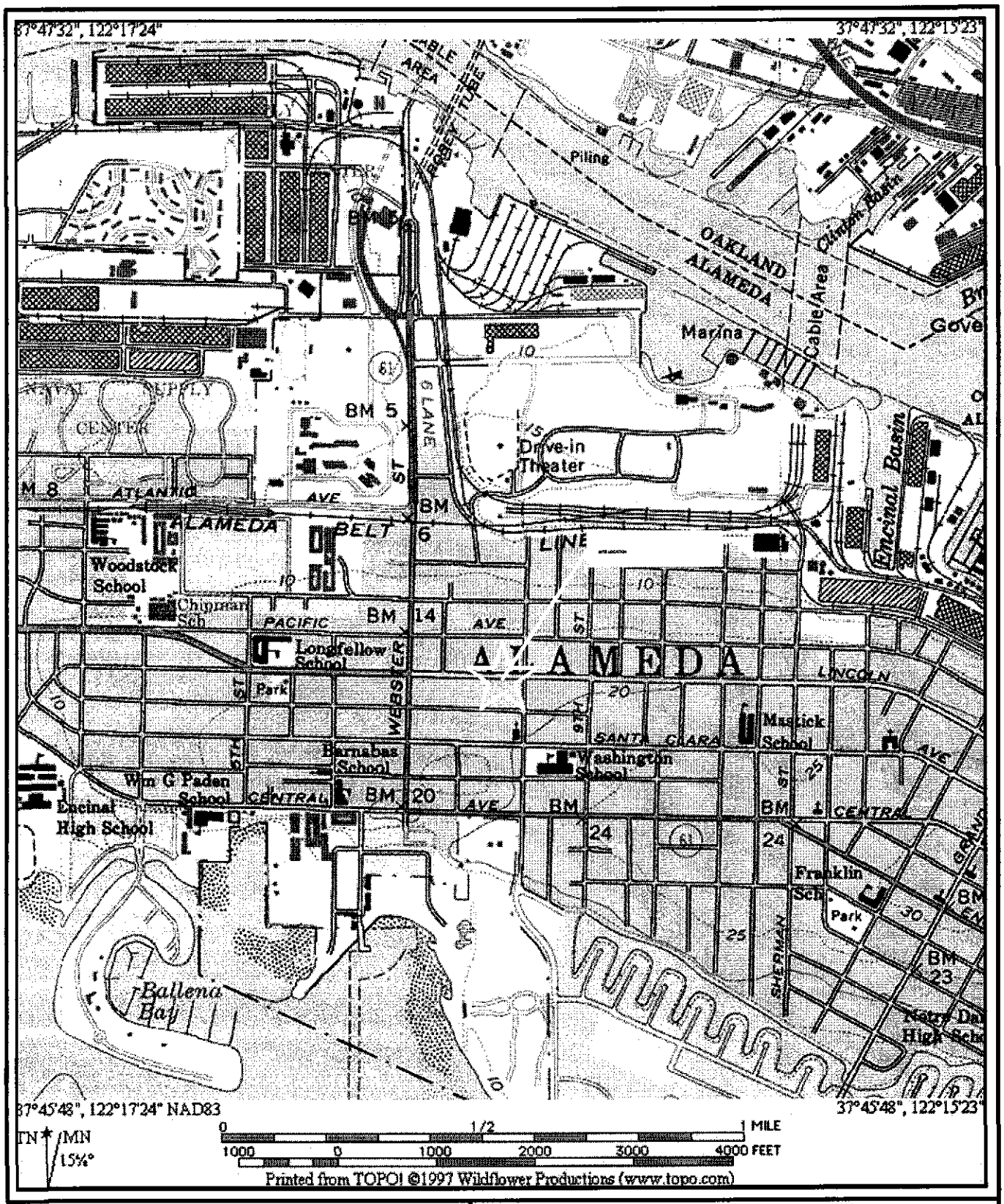
## VIII. MONITORING WELL DECOMMISSIONING

| | | |
|---|---|---|
| Date Requested by ACEH: NA | Date of Well Decommissioning Report: NA | |
| All Monitoring Wells Decommissioned: NA | Number Decommissioned: 0 | Number Retained: 0 |
| Reason Wells Retained: No monitoring wells installed at the site. | | |
| Additional requirements for submittal of groundwater data from retained wells: NA | | |
| ACEH Concurrence - Signature: | | Date: 12/13/06 |

Attachments:
1. Site Vicinity Map
2. Site Plan
3. Soil Analytical Data
4. Groundwater Analytical Data
5. Boring Logs (B1, B2, B3, B4)
6. Geologic Cross Section

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

| Post-it® Fax Note 7671 | Date 1/2/07 | # of pages ▶ 1 |
|---|---|---|
| To Stephen Plunkett | From Cheri McCaulou | |
| Co./Dept. ACEH | Co. RWQCB | |
| Phone # | Phone # (510) 622-2342 | |
| Fax # (510) 337-9335 | Fax # (510) 622-2464 | |



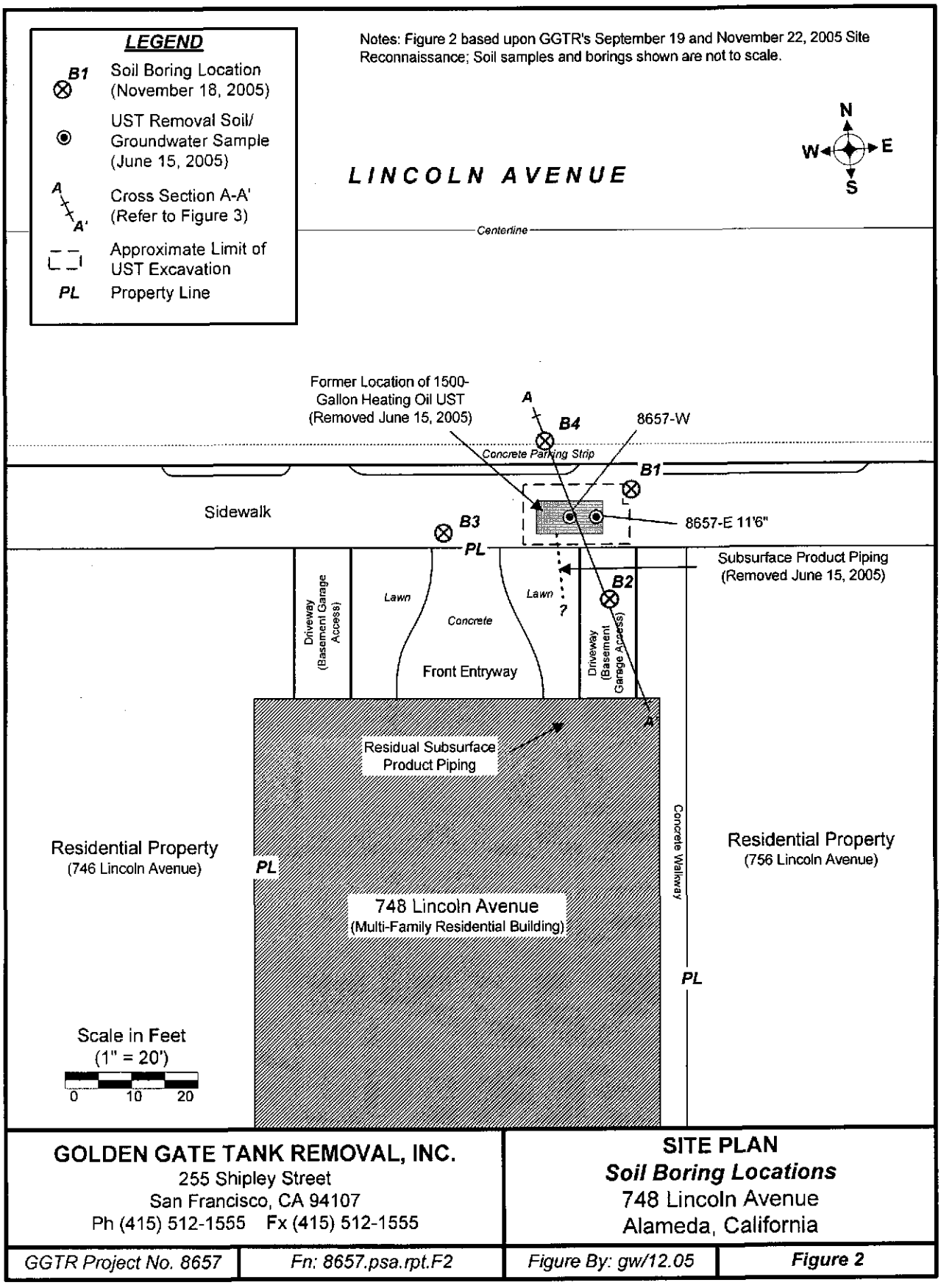

GOLDEN GATE TANK REMOVAL, INC.

SITE LOCATION MAP

746 Lincoln Avenue

Alameda, California

ATTACHMENT 1




**GOLDEN GATE TANK REMOVAL, INC.**
255 Shipley Street
San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-1555

**SITE PLAN**
***Soil Boring Locations***
748 Lincoln Avenue
Alameda, California

| GGTR Project No. 8657 | Fn: 8657.psa.rpt.F2 | Figure By: gw/12.05 | **Figure 2** |
|---|---|---|---|

ATTACHMENT 2

# TABLE 2

## Results of Subsurface Boring Soil Sample Analysis

## 748 Lincoln Avenue, Alameda, CA

| Boring Location | Sample ID | Sample Depth (fbg) | TPH-D (mg/kg) | BTEX (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|---|
| **B1** | B1-7.5 | 5 | ND | ND/ND/ND/ND | ND |
| | B1-10 | 10 | ND | ND/ND/ND/ND | ND |
| | B1-15 | 15 | ND | ND/ND/ND/ND | ND |
| | B1-20 | 20 | ND | ND/ND/ND/ND | ND |
| **B2** | B2-7 | 7 | ND | ND/ND/ND/ND | ND |
| | B2-10 | 10 | ND | ND/ND/ND/ND | ND |
| | B2-15 | 15 | ND | ND/ND/ND/ND | ND |
| | B2-20 | 20 | ND | ND/ND/ND/ND | ND |
| **B3** | B3-8 | 8 | ND | ND/ND/ND/ND | ND |
| | B3-10 | 10 | ND | ND/ND/ND/ND | ND |
| | B3-15 | 15 | ND | ND/ND/ND/ND | ND |
| **B4** | B4-7 | 7 | ND | ND/ND/ND/ND | ND |
| | B4-11 | 11 | ND | ND/ND/ND/ND | ND |
| | B4-15 | 15 | ND | ND/ND/ND/ND | ND |
| | B4-20 | 20 | ND | ND/ND/ND/ND | ND |
| **Soil Cuttings** | 8657SP1A-D* | NA | ND | ND/ND/ND/ND | NA |
| Laboratory Reporting Limit | | | 2.5 | <0.010/0.010/0.010/0.010 | 0.050 |

**Notes:**

TPH-D = total petroleum hydrocarbons (TPH) as diesel (EPA Method 8015) w/ Silica Gel Cleanup
BTEX = benzene, toluene, ethylbenzene, total xylenes (EPA Method 8021)
MTBE = methyl tertiary-butyl ether (EPA Method 8021)
fbg = feet below grade
mg/kg = milligrams per kilogram (parts per million)
ND = concentration below associated laboratory reporting limit
* = sample additionally analyzed for total lead by EPA Method 6010B/ICAP (Result = 2.5 mg/kg)

# TABLE 3

## Results of Grab Groundwater Sample Analysis

## 748 Lincoln Avenue, Alameda, CA

| Sample ID | Sample Date | Sample Depth (fbg) | TPH-D (ug/l) | BTEX (ug/l) | MTBE (ug/l) |
|---|---|---|---|---|---|
| **B1-W** | 11/18/05 | 9.1 | ND<72 | ND/ND/ND/ND | ND |
| **B2-W*** | | 8.0 | ND<91 | ND/ND/ND/ND | ND |
| **B3-W** | | 9.2 | ND<72 | ND/ND/ND/ND | ND |
| **B4-W** | | 8.8 | ND<100 | ND/ND/ND/ND | ND |
| Laboratory Reporting Limit | | | Varies | 0.50/0.50/0.50/0.50 | 1.0 |

**Notes:**

TPH-D = total petroleum hydrocarbons (TPH) as Diesel (SW8015) w/ Silica Gel Cleanup
BTEX = benzene, toluene, ethylbenzene, total xylenes (EPA Method 8021)
MTBE = methyl tertiary-butyl ether (EPA Method 8021)
fbg = feet below grade
ug/l = micrograms per liter (@ parts per billion)
* = sample additionally analyzed for Total Dissolved Solids by EPA Method 160.1 (Result = 240 mg/L)
ND = concentration below associated laboratory reporting limit

## LOG OF BORING B1

| Depth (fbg) | Recovery/ Sample ID | Time | Organic Vapor (ppm) | USCS Soil Type | Description | Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger | | | | Concrete Sidewalk (4") | Concrete (0 -1.0 fbg) |
| | | | | GM | Loose, dry, **GRAVEL**, with sand and fill material (some brick fragments); No hydrocarbon odor. | |
| 5 | | | | | Slightly moist, moderate yellowish brown (10YR 5/4) fine grained **SAND** with trace of silt; low cohesion, no plasticity, no hydrocarbon odor. | |
| | 8657 B1-7.5 | 0950 | 0 | | Moist-to-wet moderate yellowish brown (10YR 5/4) well-sorted **SAND** with <10% silt; No hydrocarbon odor. | |
| ▽ (9.1) | | | | | | Neat Portland Cement (1.0-24.0 fbg) |
| 10 | 8657 B1-10 | 0953 | 0 | | Wet moderate yellowish brown (10YR 5/4) **SAND** with trace of silt; No hydrocarbon odor. | |
| | | | | SW | Same | |
| 15 | 8657 B1-15 | 0959 | 0 | | | |
| | | | | | Same | |
| 20 | 8657 B1-20 | 1010 | 0 | | Wet, moderate yellowish brown (10YR 5/4) fine-grained **SAND**; No hydrocarbon odor. | |
| | | | | | Same | |
| | 8657 B1-24 | 1030 | 0 | | | |
| 25 | | | | | Total Boring Depth = 24 fbg | |

Fn:8657.B1



**BORING NUMBER:** B1
**LOCATION:** 748 Lincoln Avenue
Alameda, California
**PROJECT NO:** 8657
**DRILLING CONTRACTOR:** Gregg Drilling & Testing
**DRILLING METHOD:** DPT
**DRILLING DATE:** November 18, 2005

**Logged By:** G. Wolf **Checked By:** M. Youngkin

***Legend/Notes:***

fbg = feet below grade; toc = top of well casing
ppm = parts per million; NR = no sample recovery
☒ = sample interval
■ = sample retained
▽ (9.1) = Approximate depth to non-static groundwater measured from grade on November 18, 2005

***Golden Gate Tank Removal, Inc.***

ATTACHMENT 5

# LOG OF BORING B4

| Depth (fbg) | Recovery/ Sample ID | Time | Organic Vapor (ppm) | USCS Soil Type | Description | Backfill Detail |
|---|---|---|---|---|---|---|
| 0 | | | | | Asphalt (4") | Asphalt (0-0.4 fbg) |
| 1 | Hand Auger | | | GM | Large (to 2.0"), angular **GRAVEL** and fill material; Sand matrix is dark dusky brown (10YR 2/2). | Concrete (0 .4-1.0 fbg) |
| 5 | 8657 B4-7 | 1320 | | SW | Slightly moist, moderate yellowish brown (10YR 5/4) fine-grained **SAND** with trace of silt; Low cohesion; no plasticity; no hydrocarbon odor. | |
| | | | | | Same | |
| ▽ (8.8) | | | | | Damp, moderate yellowish brown (10YR 5/4) mottled with olive grey (5Y 3/2) **SAND.** | Neat Portland Cement (1.0-23.0 fbg) |
| 10 | 8657 B4-10 | 1325 | | | | |
| | 8657 B4-11 | 1325 | | | @ 11 fbg: damp, olive grey (5Y 3/2) **SAND** with slight hydrocarbon odor. | |
| | | | NR | | Wet-to-saturated, moderate yellowish brown (10YR 5/4) and olive grey (5Y 3/2) well-sorted fine-grained **SAND**; No hydrocarbon odor. | |
| 15 | 8657 B4-15 | 1330 | | | | |
| | 8657 B4-17 | NR | | | Saturated, loose, runny, moderate-to-dark brown (5YR 3/4, 4/4) silty **SAND**; No hydrocarbon odor. | |
| 20 | 8657 B4-20 | 1345 | | | Loose, saturated, moderate yellowish brown (10YR 5/4) silty **SAND**; No hydrocarbon odor. | |
| | 8657 B4-23 | 1355 | | | @ 23fbg: dark yellowish brown (10YR 4/2) wet **SAND** | |
| 25 | | | | | Total Boring Depth = 23 fbg | |

Fn:8657.B4



**BORING NUMBER: B4**
**LOCATION:** 748 Lincoln Avenue
Alameda, California
**PROJECT NO:** 8657
**DRILLING CONTRACTOR:** Gregg Drilling & Testing
**DRILLING METHOD:** DPT
**DRILLING DATE:** November 18, 2005

**Logged By:** G. Wolf **Checked By:** M. Youngkin

***Legend/Notes:***

fbg = feet below grade; toc = top of well casing
ppm = parts per million; NR = no sample recovery
☒ = sample interval
▪ = sample retained
▽ (8.8) = Approximate depth to non-static groundwater measured from grade on November 18, 2005

***Golden Gate Tank Removal, Inc.***

# LOG OF BORING B2

| Depth (fbg) | Recovery/ Sample ID | Time | Organic Vapor (ppm) | USCS Soil Type | Description | Backfill Detail |
|---|---|---|---|---|---|---|
| | | | | | Concrete Sidewalk (4") | Concrete (0 -1.0 fbg) |
| 1 | Hand Auger | | | | Moist, dark yellowish orange (10 YR 6/6) fine-grained **SAND** with silt (<20%); Moderately cohesive, low plasticity; No hydrocarbon odor. | |
| | | | | | Same, with some organic debris | |
| 5 | | | | | Dry, loose sands and gravels | |
| | 8657 B2-7 | 0830 | 0 | | Wet, moderate yellowish brown (10YR 5/4) **SAND**; No hydrocarbon odor. | |
| ▽ (8.0) | | | | | | Neat Portland Cement (1.0-22.0 fbg) |
| 10 | 8657 B2-10 | 0843 | 0 | SW | Wet, moderate yellowish brown (10YR 5/4) well-sorted fine-grained **SAND**; No hydrocarbon odor. | |
| | | | | | Wet moderate yellowish brown (10YR 5/4) **SAND** with trace of silt. No odor. | |
| 15 | 8657 B2-15 | 0847 | 0 | | Saturated moderate yellowish brown (10YR 5/4) fine-grained **SAND**. no odor | |
| | | | | | Wet, moderate yellowish brown (10YR 5/4) fine-to-medium grained **SAND**; No hydrocarbon odor. | |
| | | | | | Same | |
| | | | | | Saturated, moderate yellowish brown (10YR 5/4) fine-grained **SAND** , no odor | |
| 20 | 8657 B2-20 NR | 0910 | 0 | | No Recovery/ tube split | |
| | | | | | Total Boring Depth = 22 fbg (Refusal at 22 fbg) | |
| 25 | | | | | | |

Fn:8657.B2



**BORING NUMBER: B2**
**LOCATION:** 748 Lincoln Avenue
Alameda, California
**PROJECT NO:** 8657
**DRILLING CONTRACTOR:** Gregg Drilling & Testing
**DRILLING METHOD:** DPT
**DRILLING DATE:** November 18, 2005

**Logged By:** G. Wolf **Checked By:** M. Youngkin

***Legend/Notes:***

fbg = feet below grade; toc = top of well casing
ppm = parts per million; NR = no sample recovery
☒ = sample interval
▬ = sample retained
▽ (8.0) = Approximate depth to non-static groundwater measured from grade on November 18, 2005

***Golden Gate Tank Removal, Inc.***

# LOG OF BORING B3

| Depth (fbg) | Recovery/ Sample ID | Time | Organic Vapor (ppm) | USCS Soil Type | Description | Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger | | | | Concrete Sidewalk (4") | Concrete (0 -1.0 fbg) |
| | | | | GM | Loose **GRAVEL** fill, sand, and trace of organic material; No hydrocarbon odor. | |
| 5 | | | | SW | Slightly moist, moderate yellowish brown (10YR 5/4) fine grained **SAND** with trace of silt. No odor | |
| | | | | | Very moist, dark yellowish brown (10YR 4/2) fine-grained **SAND** with trace of silt. | |
| | 8657 B3-8 | 1105 | 0 | | | Neat Portland Cement (1.0-23.0 fbg) |
| (9.2) 10 | 8657 B3-10 | 1107 | 0 | | Moist-to-wet moderate yellowish brown (10YR 5/4) **SAND** with silt; No hydrocarbon odor; Low cohesion; No plasticity. | |
| | | | | | Wet, moderate yellowish brown (10YR 5/4) and light brown (5YR 5/6) silty, fine-grained **SAND.** | |
| 15 | 8657 B3-15 | 1117 | 0 | | Same, very wet | |
| | NR | | | | No recovery, tube split | |
| 20 | NR | | | SW | Wet, moderate yellowish brown (10YR 5/4) **SAND**. No odor. No sample due to broken tube. | |
| | | | | | Total Boring Depth = 23 fbg | |
| 25 | | | | | | |

Fn:8657.B3

**BORING NUMBER: B3**
**LOCATION:** 748 Lincoln Avenue
Alameda, California
**PROJECT NO:** 8657
**DRILLING CONTRACTOR:** Gregg Drilling & Testing
**DRILLING METHOD:** DPT
**DRILLING DATE:** November 18, 2005

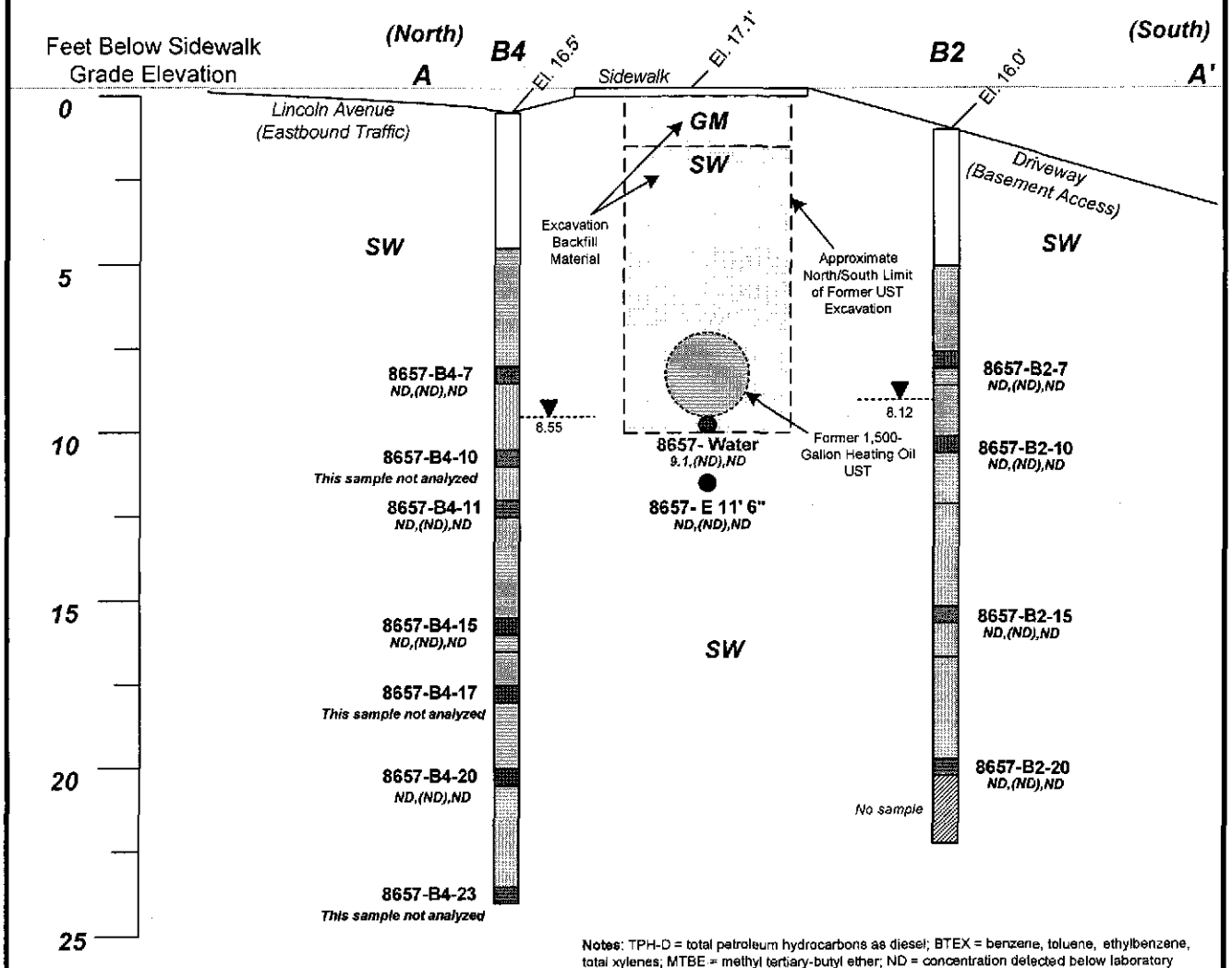
**Logged By:** G. Wolf **Checked By:** M. Youngkin

***Legend/Notes:***

fbg = feet below grade; toc = top of well casing
ppm = parts per million; NR = no sample recovery
☒ = sample interval
▬ = sample retained
▽ (9.2) = Approximate depth to non-static groundwater measured from grade on November 18, 2005



***Golden Gate Tank Removal, Inc.***




**Notes**: TPH-D = total petroleum hydrocarbons as diesel; BTEX = benzene, toluene, ethylbenzene, total xylenes; MTBE = methyl tertiary-butyl ether; ND = concentration detected below laboratory reporting limit; (ND) = ND for all constituents, grade elevations shown are based on 11/22/05 site survey activities, performed relative to arbitrary datum point with an assumed elevation of 17' (not Mean Sea Level).

Horizontal Scale in Feet (1" = 10')

0 5 10

***LEGEND***

| | | | |
|---|---|---|---|
| B1 | Soil Boring, November 2005 (Not To Scale) | SW | Well-graded sand, with trace amount of silt |
| | Soil sample interval & retained sample showing concentrations of TPH-D, (BTEX),MTBE in mg/kg | GM | Gravel, sand, silt mixture |
| | UST Removal Sample, June 15, 2005 (Not To Scale) | 8.0 | Depth to Static Groundwater measured on November 22, 2005 (Feet Below Grade) |


**GOLDEN GATE TANK REMOVAL, INC.**
*255 Shipley Street*
San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964


**CROSS SECTION A-A'**
748 Lincoln Avenue
Alameda, California

| | | | |
|---|---|---|---|
| *GGTR Project No. 8657* | *Fn:8657.psa.rpt.F3.A-A'* | *Drawing By: gw/12/05* | ***Figure 3*** |

ATTACHMENT 6