



R02880

Alameda County
OCT 19 2005
Environmental Health

October 13, 2005

Mr. Amir Gholami
Alameda County Health Care Services Agency (ACHCSA)
Environmental Health Services Division
1131 Harbor Way Parkway, Suite 250
Alameda, CA 94502-6577

RE: Addendum Letter – Work Plan for Preliminary Site Characterization,
748 Lincoln Avenue, Alameda, California
(ACHCSA Fuel Leak Case No. RO0002880; GGTR Project No. 8657)

ADDENDUM
(REVISED WP)
DMD 09/19/06

Dear Mr. Gholami:

Based on our telephone conversation dated October 12, 2005, regarding the proposed scope of work presented in our September 23, 2005 *Work Plan for Preliminary Site Characterization*, Golden Gate Tank Removal, Inc. (GGTR) is providing the following revised scope of work detailing the soil boring installation and sampling specifications in the direct vicinity of the underground heating oil storage tank formerly located at 748 Lincoln Avenue in Alameda, California. Attached is a copy of the subject site plan, showing the location of the proposed soil borings B1-B4.

Soil Boring Installation & Sampling

In lieu of the proposed boring sample depth of 10 to 12 fbg, the ACHCSA is requesting that each boring be drilled to at least 25 fbg to further assess the extent and potential impact to deeper soil zones below the water table. Samples will be collected continuously between 5 and 25 fbg, and as previously proposed, will also be collected at changes of lithology, at the soil/groundwater interface, and at areas showing obvious contamination. Again, GGTR will drill each boring using a trailer-mounted, Geoprobe® direct push technology rig equipped with 1- and 2-inch-diameter, flush-threaded, dual-cased drill rods and split spoon sampler. A dual-cased rod assembly will be utilized to minimize potential sidewall soil from cross contaminating deeper zone soil and/or groundwater in each borehole, and allow for a more representative, depth discrete groundwater sample, when collected.

As proposed previously, GGTR will drill all soil borings within 15 feet of the former UST cavity, in native soil, and will place all borings at locations clear of any overhead or marked subsurface utilities. Boring B4 will be placed within 10 feet of the former UST, in the general down gradient direction (See attached Site Plan). Grab groundwater sampling and temporary wellhead elevation survey activities will be conducted pursuant to the existing work plan scope.

255 Shipley Street • San Francisco, Ca. 94107 • Tel.: 415/512-1555 • Fax: 415/512-0964

General Engineering Contractors License No. 616521

Regional Groundwater Gradient Data

As presented in the September 23, 2005 work plan, the regional groundwater flow direction in the vicinity of the site is estimated to be toward the north-northwest, in the general direction of the Oakland Inner Harbor and decreasing topographic relief. The depth to groundwater at the site as well as the site specific groundwater flow direction and gradient is unknown at this time. However, groundwater encountered during UST removal activities (June 2005) stabilized within the former tank cavity at approximately 10 fbg.

Based on information provided by the State Water Resources Control Board GeoTracker Database system (Assembly Bill 2886), the depth to groundwater measured in active tank cavity monitor wells (11/23/04 to 3/2/05) located at the northwest corner of Lincoln Avenue and Webster Street (Shell Service Station #13-5032; RO0002745) ranged between 4.11 and 6.59 fbg, with groundwater flow reportedly estimated toward the north. Grade elevation of this site and the subject property is relatively similar. A sensitive receptor well survey was conducted within a 0.5-mile radius of this site, with two agricultural/irrigation wells and one other well of unknown usage located within 1,000 feet of the former Shell Station, and within approximately 1,300 feet west of the subject property (lateral gradient).

Should you have any questions, please contact us at your earliest convenience. In my absence from the office, I am available by cellular service (415.686-8846).

Sincerely,
Golden Gate Tank Removal, Inc.







Brent A. Wheeler, E.I.T.
Project Engineer

Attachments/1

cc: Mr. Robert G. Bond
865 Hallmark Drive
Redding, California 96001

bdocs/corr/8657.ACHCSA.Gholami.LtrAdd.10.13.05

LEGEND

-  **B1** Proposed Soil Boring Location
-  UST Removal Soil/
Groundwater Sample
(June 15, 2005)
-  Estimated Groundwater
Flow Direction
-  Approximate Limit of
UST Excavation
- PL** Property Line

Notes: Figure 2 based upon GGTR's September 19, 2005 Site Reconnaissance; Locations of Soil borings shown are only approximate and will be determined in the field; Soil borings and UST removal samples shown are not to scale.



LINCOLN AVENUE

Centerline

Former Location of 1500-Gallon Heating Oil UST
(Removed June 15, 2005)

B4

8657-W

Concrete Parking Strip

B1

Sidewalk

Subsurface Product Piping
(Removed June 15, 2005)

8657-E 11'8"

B3

B2

Driveway
(Basement Garage
Access)

Lawn

Concrete

Lawn

Front Entryway

Driveway
(Basement Garage
Access)

Residual Subsurface
Product Piping

Residential Property
(746 Lincoln Avenue)

PL

Residential Property
(756 Lincoln Avenue)

Concrete Walkway

748 Lincoln Avenue
(Multi-Family Residential Building)

PL

Scale in Feet
(1" = 20')



GOLDEN GATE TANK REMOVAL, INC.

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San Francisco, CA 94107
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SITE PLAN

Showing Proposed Boring Locations
748 Lincoln Avenue
Alameda, California