

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

June 24, 2013

Mr. and Mrs. Frederick and Robbin Kroger (*Sent via e-mail to: ftkcoinc@gmail.com*)
Kroger Frederick T and Robbin C Trs.
Woodleaf Investment Group, LLC
PO Box 11244
Piedmont, CA 94611-0244

Subject: Case Closure Transmittal for Fuel Leak Case No. RO0003071 and GeoTracker Global ID
T10000002520, Kroger Residential Property, 725 Central Avenue, Alameda, CA 94501

Dear Mr. Kroger:

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:

- There are no considerations or variances at the site.

If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely,


Donna L. Drogos, P.E.
Division Chief

Enclosures: 1. Remedial Action Completion Certificate
2. Case Closure Summary

cc: Elsie Hamilton, (*Sent via electronic -mail to: woodleafrentals@gmail.com*)

Cherie McCaulou (w/enc.), SF Regional Water Quality Control Board, (*sent via electronic mail to CMacaulou@waterboards.ca.gov*)
Donna Drogos, (*sent via electronic mail to donna.drogos@acgov.org*)
Karel Detterman (*sent via electronic mail to karel.detterman@acgov.org*)
Electronic File, GeoTracker



REMEDIAL ACTION COMPLETION CERTIFICATION

June 24, 2013

Mr. and Mrs. Frederick and Robbin Kroger (*Sent via e-mail to: ftkcoinc@gmail.com*)
Kroger Frederick T and Robbin C Trs.
Woodleaf Investment Group, LLC
PO Box 11244
Piedmont, CA 94611-0244

Subject: Case Closure for Fuel Leak Case No. RO0003071 and GeoTracker Global ID
T10000002520, Kroger Residential Property, 725 Central Avenue, Alameda, CA 94501

Dear Mr. Kroger:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank 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.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

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,

A handwritten signature in blue ink, appearing to read "Ariu Levi".

Ariu Levi
Director

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

I. AGENCY INFORMATION

Date: June 17, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Responsible Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Kroger Residential Property		
Site Facility Address: 725 Central Avenue, Alameda, CA 94501		
RB Case No.: ---	STID: ---	LOP Case No.: RO00003071
URF Filing Date: 9/23/2008	Geotracker ID: T10000002520	APN: 73-423-15-1
Responsible Parties	Addresses	Phone Numbers
Mr. and Mrs. Frederick and Robbin Kroger Kroger Frederick T and Robbin C Trs. Woodleaf Investment Group, LLC	PO Box 11244 Piedmont, CA 94611-0244	(510) 654-3822

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	1,500	Diesel	Removed	9/23/2008
Piping			Closed in place	9/23/2008

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Holes observed in UST.		
Site characterization complete? Yes	Date Approved By Oversight Agency: ----	
Monitoring wells installed? No	Number: 0	Proper screened interval? NA
Highest GW Depth Below Ground Surface: 10.5 feet below ground surface (bgs)	Lowest Depth: 11.0 feet bgs	Flow Direction: South, with observed variation between the west and southeast.*
Most Sensitive Current Use: Potential drinking water source.		

* The groundwater gradient has not been directly measured at the site. The gradient is derived from monitoring wells at RO0000193, 1435 Webster Street, Alameda, CA RO0000084, 900 Central Avenue, Alameda, CA

Summary of Production Wells in Vicinity:	
A 2,000-foot well survey from case RO84 located 1,584 feet from the site was evaluated. One water supply well was identified within a radius of 2,000 feet of the site:	
<ul style="list-style-type: none"> A 70-foot deep irrigation well is located approximately 1,400 feet east-southeast of the site. Based on the cross gradient location and limited extent of the petroleum hydrocarbon plume, the well is not expected to be a receptor for the site. 	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Francisco Bay, located approximately 1,000 feet south
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	1,500-gallons	Disposal Circosta Iron & Metal, Inc., San Francisco, CA.	9/23/2008
Piping	Not reported	Closed in place	9/23/2008
Free Product	None reported	----	----
Soil	Not reported	Returned to UST excavation	9/23/2008
Groundwater	None reported	---	---

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 5 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before ¹	After ¹
TPH (Gas)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
TPH (Diesel)	< 8.0	< 8.0	< 130	< 130
TPH (Motor Oil)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Oil and Grease	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Benzene	< 0.010	< 0.010	< 0.5	< 0.5
Toluene	< 0.010	< 0.010	< 0.5	< 0.5
Ethylbenzene	< 0.010	< 0.010	< 0.5	< 0.5
Xylenes	< 0.010	< 0.010	<1.0	<1.0
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
MTBE	< 0.01 ²	< 0.01 ²	< 0.5 ³	< 0.5 ³
Other (8240/8270)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed

¹ Grab groundwater sample

² MTBE, DIPE, ETBE, TAME, EDB, and EDC < 0.01 ppm; TBA < 0.094 ppm

³ MTBE, DIPE, ETBE, TAME, EDB and EDC < 0.5 ppb, TBA < 5.0 ppb

Site History and Description of Corrective Actions:

The property is a multi-residential family apartment located near the corner of Central Avenue and Webster Street in Alameda, California. Surrounding land use is mixed commercial and residential.

September 17, 2008 – An underground storage tank (UST) of unknown age and approximately 1,500-gallons in size was removed from the property. Diesel product was removed and the tank was rinsed prior to tank removal, generating 450 gallons of product and rinsate which was analyzed and detected 440,000 parts per billion (ppb) Total Petroleum Hydrocarbons as diesel (TPHd). The product and rinsate was disposed of under a non-hazardous waste manifest at a licensed facility. Tank overburden soil was stockpiled in a roll-off bin on-site. Upon removal, the tank was observed to be rusty and contain small holes. No soil staining or odor was noted in the sandy soil underlying the tank and petroleum hydrocarbons were not detected in the soil sample collected during the 2008 excavation. No petroleum hydrocarbons were detected in the soil sample collected from the excavation floor. A four-point composite soil stockpile sample detected 23 parts per million (ppm) TPHd and 16 ppm lead. Groundwater was not encountered during the excavation. The excavation was backfilled with the stockpiled overburden soil and clean imported soil.

October 15, 2012 - Three soil borings (B1 through B3) were advanced to approximate depths of 13 feet bgs in the vicinity of the former UST. Soil samples were collected from the borings at 5 and 9.5 feet bgs. Grab groundwater samples were also collected from each boring. Neither the grab groundwater samples nor the soil samples contained detectable concentrations of TPHd, benzene, toluene, ethylbenzene, xylenes, methyl tert-butyl ether (MTBE), or other volatile organic compounds (VOCs). The soil or groundwater samples were not analyzed for lead.

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 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.

<p>Considerations and/or Variances:</p> <p>None</p> <p>Conclusion:</p> <p>Alameda County Environmental Health staff believe 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.</p>

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Karel Detterman, P.G.	Title: Hazardous Materials Specialist
Signature: <i>Karel Detterman</i>	Date: <i>June 17, 2013</i>
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: <i>Donna L. Drogos</i>	Date: <i>6/21/13</i>

<p>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.</p>
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VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: <i>April 18, 2013</i>	

VIII. MONITORING WELL DECOMMISSIONING

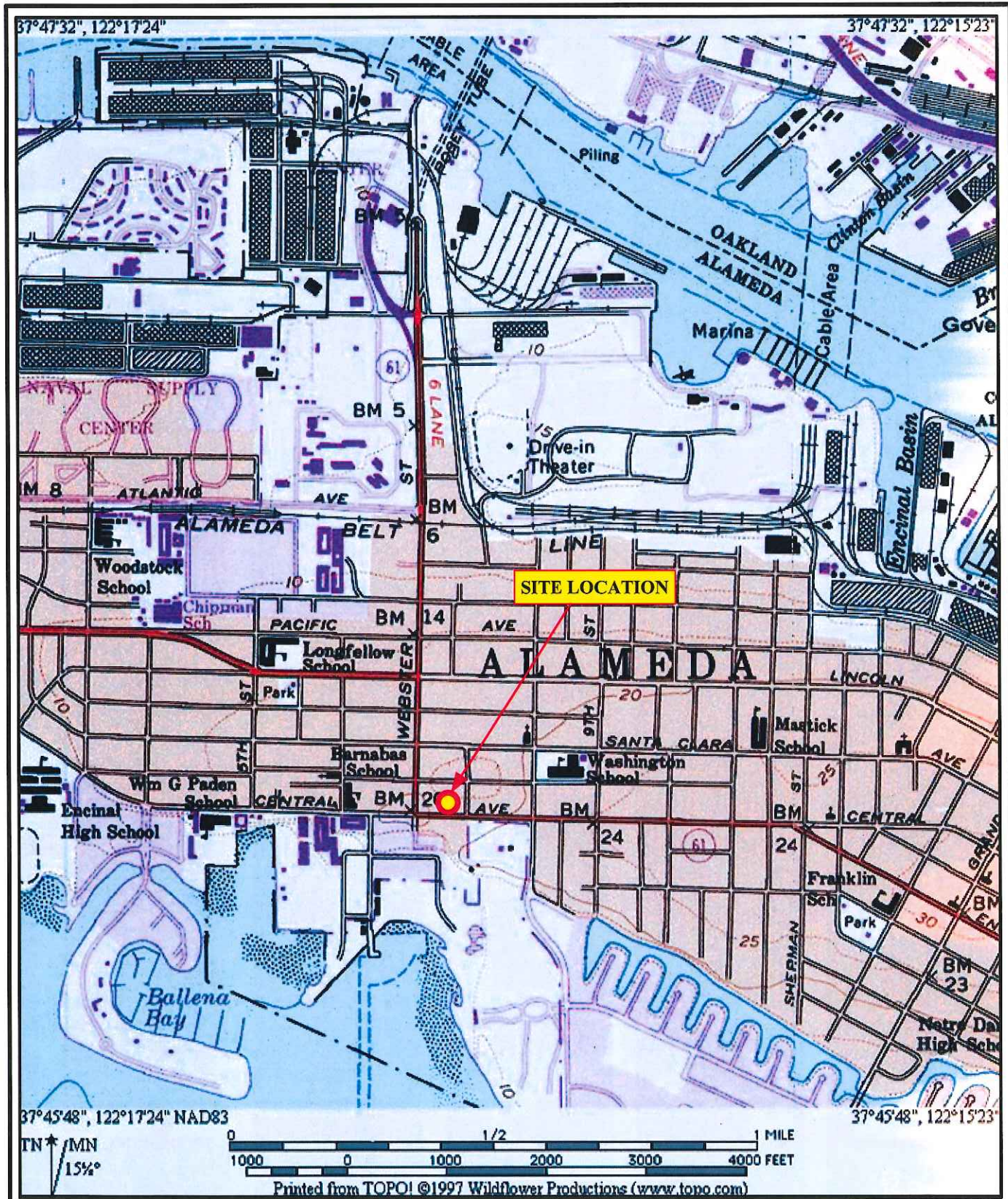
Date Requested by ACEH: ----	Date of Well Decommissioning Report: ----	
All Monitoring Wells Decommissioned: N/A	Number Decommissioned: 0	Number Retained: 0
Reason Wells Retained: No monitoring wells were installed		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Karel Detter</i>	Date: <i>June 17, 2013</i>	

Attachments:

1. Site Vicinity Map and Aerial Photograph (2 pp)
2. Site Plans (2 pp)
3. Soil Analytical Data (2 pp)
4. Groundwater Analytical Data (1 pp)
5. Boring Logs (3 pp)

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.

ATTACHMENT 1

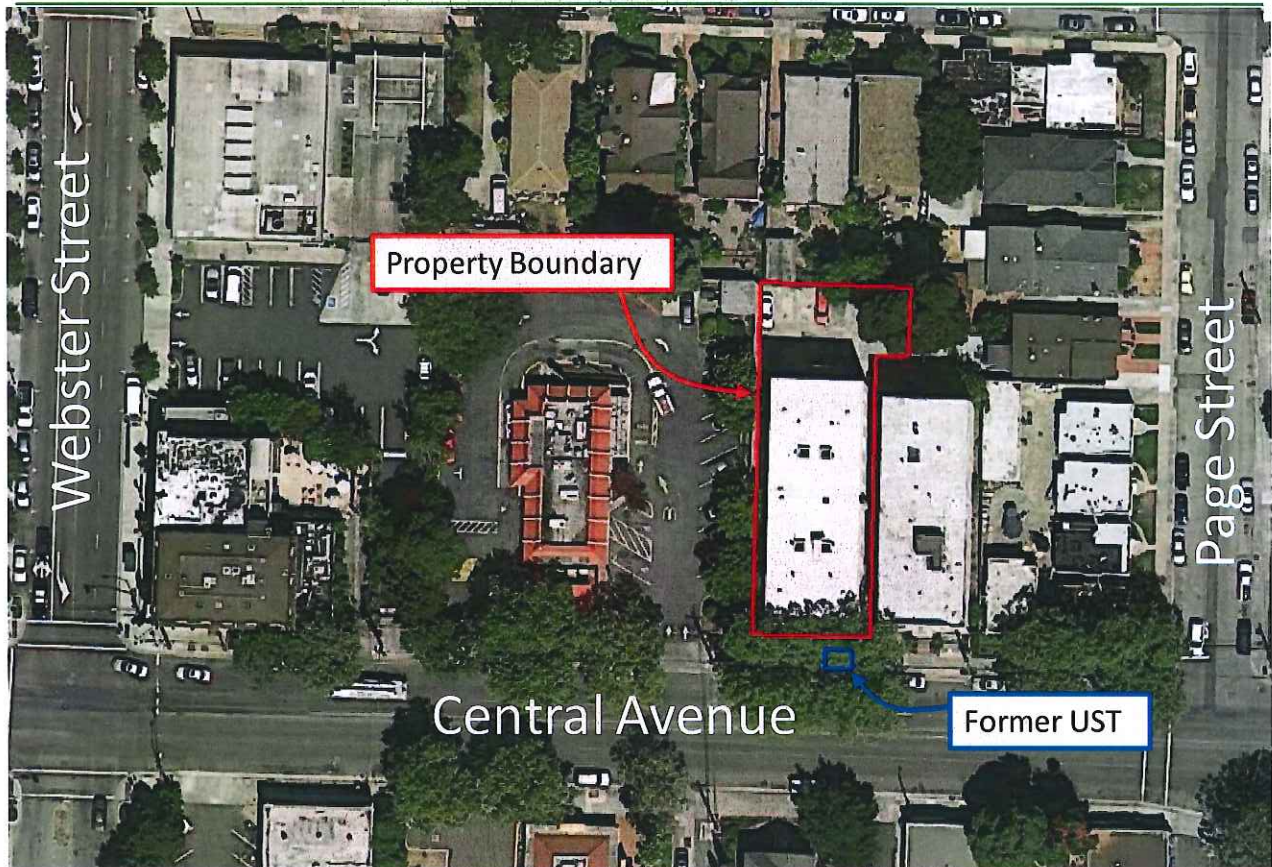


GOLDEN GATE ENVIRONMENTAL, INC.
 1455 Yosemite Avenue
 San Francisco, CA 94124
 Ph (415) 970-9088 Fx (415) 970-9089

SITE LOCATION MAP
 725 Central Avenue
 Alameda, California 94501

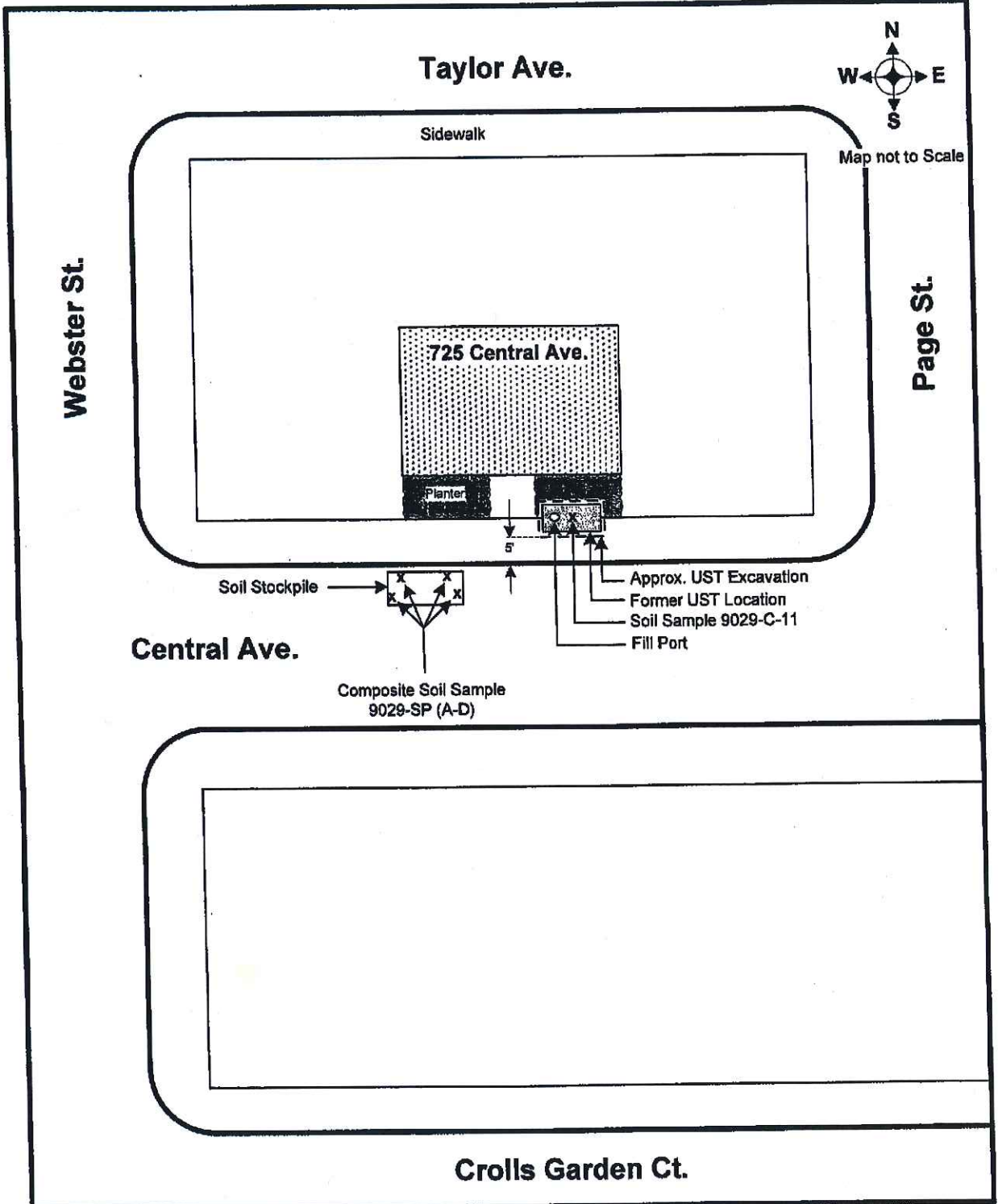
Site Vicinity Aerial Photograph

RO0003071 – Kroger Residential Property, 725 Central Avenue, Alameda, CA 94501



Aerial View of Property (Google Earth, 2013)

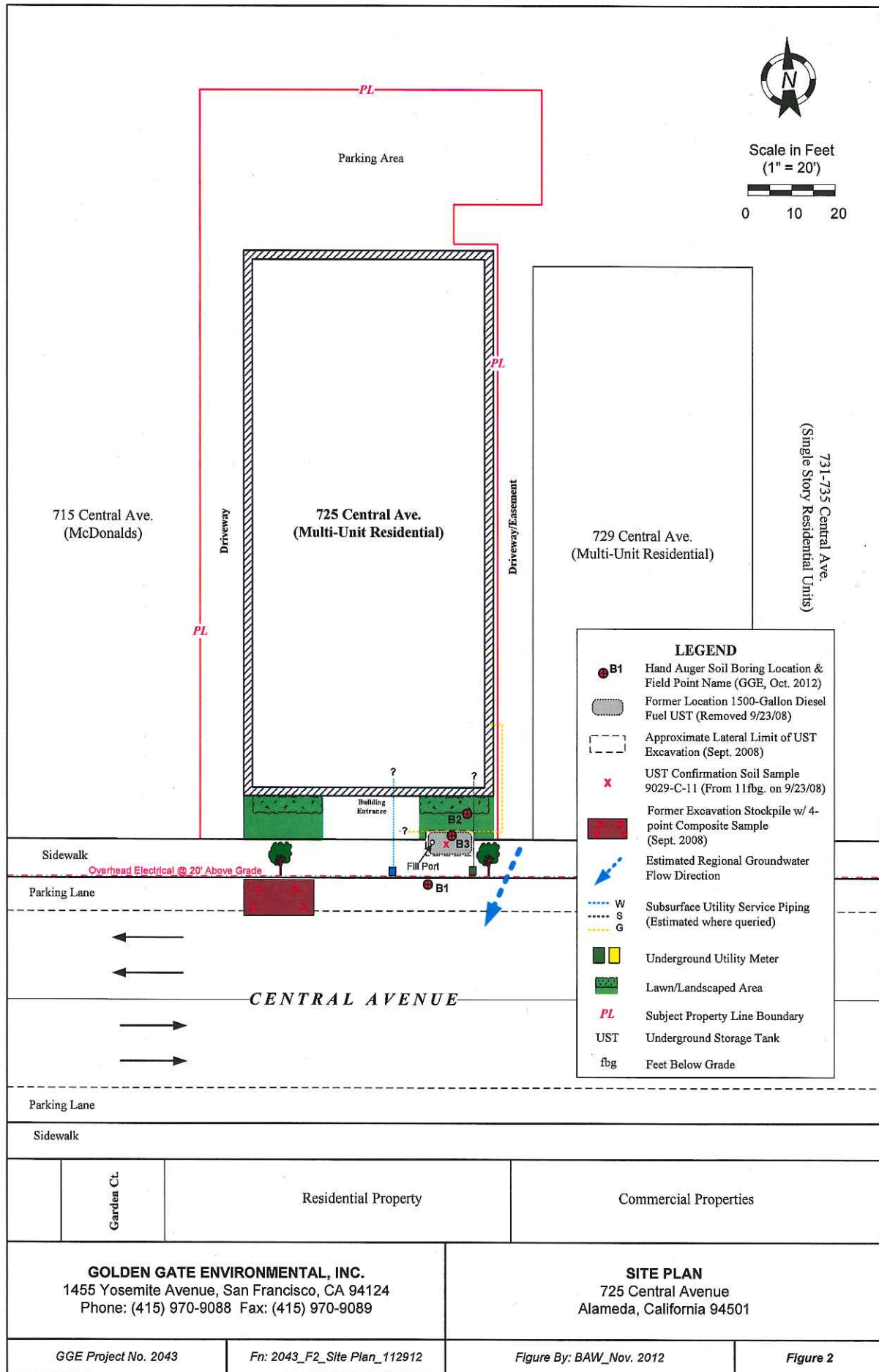
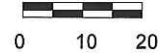
ATTACHMENT 2



GOLDEN GATE TANK REMOVAL, INC. 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964	SITE MAP 725 Central Ave Alameda, CA 94501		
GGTR Project No. 9029	Drawing By: ed	October 2008	Figure 2



Scale in Feet
(1" = 20')



LEGEND

- B1 Hand Auger Soil Boring Location & Field Point Name (GGE, Oct. 2012)
- Former Location 1500-Gallon Diesel Fuel UST (Removed 9/23/08)
- Approximate Lateral Limit of UST Excavation (Sept. 2008)
- x UST Confirmation Soil Sample 9029-C-11 (From 11fbg. on 9/23/08)
- Former Excavation Stockpile w/ 4-point Composite Sample (Sept. 2008)
- Estimated Regional Groundwater Flow Direction
- W Subsurface Utility Service Piping (Estimated where queried)
- S
- G
- Underground Utility Meter
- Lawn/Landscaped Area
- PL Subject Property Line Boundary
- UST Underground Storage Tank
- fbg Feet Below Grade

Garden Ct.	Residential Property	Commercial Properties
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GOLDEN GATE ENVIRONMENTAL, INC.
 1455 Yosemite Avenue, San Francisco, CA 94124
 Phone: (415) 970-9088 Fax: (415) 970-9089

SITE PLAN
 725 Central Avenue
 Alameda, California 94501

SAMPLING RESULTS FORM

Underground Storage Tank Site Address: 725 Central Avenue, Alameda, CA 94501

Business Site Name: Residential (Multi Unit Apartment)

Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date Sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	Results expressed in parts per million (ppm)									
					TPH-D	B	T	E	X	MTBE	TBA	ETBA	TAME	LEAD
9029-SP-(A-D) (Stockpile)	Not Applicable	soil	9/23/2008	clay	23 ¹	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.094	ND<0.0047	ND<0.0047	16
9029-C-11 (Excavation)	11 feet	soil	9/23/2008	clay	ND<1.0	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.0047	ND<0.094	ND<0.0047	ND<0.0047	NA
9029-R3 (Tank Rinsate)	Not Applicable	water	9/22/2008	Not Applicable	440	NA	NA	NA	NA	NA	NA	NA	NA	NA

TPH-D = Total Petroleum Hydrocarbons as Diesel

BTEX = Benzene, Toluene, Ethylbenzene, Xylene

MTBE = Methyl-t-Butyl Ether

TBA = Tert-Butyl Alcohol

ETBE = Ethyl Tert-Butyl Ether

TAME = Methyl Tert-Amyl Ether

¹ = Sample exhibits chromatographic pattern that does not resemble standard

NA = Not Analyzed

ND = Non-Detectable Results

List of additional analytical results and detection limits on attached certified lab report

ATTACHMENT 3

TABLE 2
Results of Subsurface Boring Soil Sample Analysis
725 Central Avenue, Alameda, CA

Boring Location	Sample ID	Sample Date	Sample Depth (fbg)	TPH-D (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA/DIPE/ETBE/TAME/EDB/EDC (mg/kg)
B1	B1-5	10/15/2012	5	ND<2.0	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.050
	B1-9.5	10/15/2012	9.5	ND<2.0	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.050
B2	B2-5	10/15/2012	5	ND<2.0	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.050
	B2-9.5	10/15/2012	9.5	ND<2.0	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.050
B3	B3-5	10/15/2012	5	ND<8.0	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.050
	B3-9.5	10/15/2012	9.5	ND<2.0	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.050
CRWQCB November 2007 ESL				83	0.044	2.9	2.3	2.3	0.023	0.075/NE/NE/NE/NE/NE

Notes:

TPH-D = Total Petroleum Hydrocarbons as Diesel

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes

MTBE = Methyl tertiary-butyl ether

TBA = Tert-Butanol

DIPE = Di isopropyl Ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl Methyl Ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

fbg = feet below grade surface

mg/kg = milligrams per kilogram

ND = Not Detected

NE = Not Established

CRWQCB November 2007 / ESL:

California Regional Water Quality Control Board / Environmental Screening Levels for shallow soils (≤ 10 fbg) in Residential Land Use, where groundwater *IS* a current or potential source of drinking water.

ATTACHMENT 4

TABLE 3
Results of Grab Groundwater Sample Analysis
725 Central Avenue, Alameda, CA

Boring Location	Sample ID	Sample Date	Depth to GW (fbg)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TBA/DIPE/ETBE/TAME/EDB/EDC (ug/L)
B1	B1-GW	10/15/2012	11	ND<130	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<5
B2	B2-GW	10/15/2012	11	ND<130	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<5
B3	B3-GW	10/15/2012	10.5	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<5
CRWQCB November 2007 ESL				100	1	40	30	20	5	12/NE/NE/NE/NE/NE

Notes:

GW = Groundwater; fbg - feet below grade surface

TPH-D = Total Petroleum Hydrocarbons as Diesel

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes

MTBE = Methyl tertiary-butyl

TBA = Tert-Butanol

DIPE = Diisopropyl Ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl Methyl Ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

ug/L = micrograms per liter

NE = Not Established

ND = Not Detected

CRWQCB November 2007 / ESL: California Regional Water Quality Control Board / Environmental Screening Levels for groundwater that *IS* a current or potential source of drinking water (Residential Land Use).

ATTACHMENT 5

SOIL BORING LOG B1						
Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1				SM	6" Concrete	Concrete (0-6")
5	B1-5.0	NA	0.0	SM	(0.5'-9.5') Silty Sand (SM) . Moderate to Dark yellowish Brown (10YR 5/4, 4/2), Damp, Loose, Fine-grained, Moderately graded. No Hydrocarbon odor. No staining. Approx. 70% sand and 30% fines.	Neat Portland Cement (0.5'-13')
10 (11.0) ▽	B1-9.5	NA	0.0	SM	(9.5'-13') Silty Sand (SM) . Same; Moist to wet, Clayey, Slight Plasticity. No Hydrocarbon odor. No staining. Approx. 60% sand and 40% fines.	
15			0.0		Total Borehole Depth = 13 fbg	2.5"
20					Installed temporary 0.75" piezometer casing, collected grab groundwater sample B1-GW on 10/15/12 at 12:30 PM.	
25						
					Legend/Notes:	Page 1 of 1
BORING NUMBER: B1 LOCATION: 725 Central Ave., Alameda, CA PROJECT No: 2043 DRILLING CONTRACTOR: John Carver Civil Eng. DRILLING METHOD: Hand Auger/DPT (Geoprobe) DRILLING DATE: October 15, 2012 Logged By: J. Carver Checked By: M. Youngkin					fbg = feet below grade ppm = parts per million ☒ = Lithologic sample interval ■ = Analytical sample (11.0) = Approximate depth to groundwater▽ = (non-static) measured on 10/15/12	NA = Not applicable
Golden Gate Environmental, Inc.						

SOIL BORING LOG B2

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1					(0'-9') Silty Sand (SM) . Dark yellowish Brown (10YR 4/2), Damp to moist, Loose, Fine-grained, Moderately graded. No HC odor. No staining. Approx. 70% sand and 30% fines.	Top Soil (0-6")
5	B2-5.0	NA	0.0	SM		Neat Portland Cement (0.5'-13')
10 (11.0) ▽	B2-9.5	NA	0.0		(9'-13') Silty Sand (SM) . Same; Moist to wet, Clayey, Slight Plasticity. No HC odor. No staining. Approx. 60% sand and 40% fines.	
15			0.0		Total Borehole Depth = 13 fbg	2.5"
20					Installed temporary 0.75" piezometer casing, collected grab groundwater sample B2-GW on 10/15/12 at 12:15 PM.	
25						

BORING NUMBER: B2
LOCATION: 725 Central Ave., Alameda, CA
PROJECT No: 2043
DRILLING CONTRACTOR: John Carver Civil Eng.
DRILLING METHOD: Hand Auger/DPT (Geoprobe)
DRILLING DATE: October 15, 2012
Logged By: J. Carver **Checked By:** M. Youngkin

Legend/Notes:

- fbg = feet below grade
- ppm = parts per million
- ☒ = Lithologic sample interval
- = Analytical sample
- (11.0) = Approximate depth to groundwater
-▽ (non-static) measured on 10/15/12
- NA = Not applicable

SOIL BORING LOG B3

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1			0.0		6" Lawn/Top Soil	Lawn/Top Soil (0-6")
5	B3-5.0	NA	0.0	SM	(0.5'-3') Silty, Gravelly Sand (SM) . Fill: Dark yellowish Brown (10YR 4/2), Moist, Loose, Fine- to coarse-grained, Well graded, w/ Concrete Debris. No Hydrocarbon odor. No staining.	Neat Portland Cement (0.5'-13')
10	B3-9.5	NA	0.0	SM	(3'-9.5') Silty Sand (SM) . Dark yellowish Brown (10YR 4/2), Moist, Loose, Fine-grained, Moderately graded, w/ Concrete Debris. No Hydrocarbon odor. No staining. Approx. 70% sand and 30% fines.	
10.5			0.0	SM	(9.5'-13') Silty Sand (SM) . Same; Moist to wet, Clayey, Slight Plasticity. No Hydrocarbon odor. No staining. Approx. 60% sand and 40% fines.	
15					Total Borehole Depth = 13 fbg	2.5"
20					Installed temporary 0.75" piezometer casing, collected grab groundwater sample B3-GW on 10/15/12 at 12:30 PM.	
25						

BORING NUMBER: B3
LOCATION: 725 Central Ave., Alameda, CA
PROJECT No: 2043
DRILLING CONTRACTOR: John Carver Civil Eng.
DRILLING METHOD: Hand Auger/DPT (Geoprobe)
DRILLING DATE: October 15, 2012
Logged By: J. Carver **Checked By:** M. Youngkin

Legend/Notes:

- fbg = feet below grade
- ppm = parts per million
- ☒ = Lithologic sample interval
- = Analytical sample
- (10.5) = Approximate depth to groundwater
-∇ (non-static) measured on 10/15/12
- NA = Not applicable