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

7

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

February 14, 2006

Stephen Gehrett
East Bay Regional Park District
2501 Grizzly Peak Blvd.
Orinda, CA 94563

Dear Mr. Gehrett:

Subject: Fuel Leak Site Case Closure; Del Valle Regional Park Boat Launch Service Area, 6999 Del Valle Road, Livermore, CA; Case N[redacted]

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 less than 2 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons as gasoline remain in soil at the site.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

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

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

Mr. Richard Makdisi
Stellar Environmental Solutions, Inc.
2198 Sixth Street, Suite 201
Berkeley, CA 94710

Jerry Wickham (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

ALAMEDA COUNTY
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February 14, 2006

Stephen Gehrett
East Bay Regional Park District
2501 Grizzly Peak Blvd.
Orinda, CA 94563

REMEDIAL ACTION COMPLETION CERTIFICATE

Dear Mr. Gehrett:

Subject: Fuel Leak Site Case Closure; Del Valle Regional Park Boat Launch Service Area, 6999 Del Valle Road, Livermore, CA; Case No. RO0002612

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.

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,

Mee Ling Tung
Director
Alameda County Environmental Health

Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: February 3, 2006

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Del Valle Regional Park Boat Launch Service Area		
Site Facility Address: 6999 Del Valle Road, Livermore, CA 94550		
RB Case No.: 01-3531	Local Case No.:	LOP Case No.: RO0002612
URF Filing Date: 02/18/2004	SWEEPS No.: ---	APN: No APN exists for site

Responsible Parties	Addresses	Phone Numbers
Stephen Gehrett, East Bay Regional Park District	2501 Grizzly Peak Blvd., Orinda, CA 94563	510-544-2705

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	550 gallons	Gasoline	Removed	01/08/2004
Piping			Removed	01/08/2004

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in the tanks during removal.		
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: 30	Lowest Depth: >52	Flow Direction: Presumed to be to the west towards Lake Del Valle
Most Sensitive Current Use: Drinking water source.		

Summary of Production Wells in Vicinity: Site is located within Del Valle Regional Park on a hillside above the Lake Del Valle reservoir. Water for the park is drawn from the reservoir; there are no water wells within the park.	
Are drinking water wells affected? No	Aquifer Name: Colluvium over bedrock
Is surface water affected? No	Nearest SW Name: Lake Del Valle
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 – 550 gallon tank	Transported to Ecology Control Industries in Richmond, CA for disposal	01/08/2004
Piping	Single dispenser	Disposed at local recycler	01/2004
Free Product	None	--	--
Soil	None	Soil was used for backfill.	--
Groundwater	None	--	--

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 7 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	1.82	1.82	<50	<50
TPH (Diesel)	NA	NA	NA	NA
Oil and Grease	NA	NA	NA	NA
Benzene	<0.005	<0.005	<0.5	<0.5
Toluene	<0.005	<0.005	<0.5	<0.5
Ethylbenzene	<0.005	<0.005	<0.5	<0.5
Xylenes	<0.01	<0.01	<0.5	<0.5
Lead	12(1)	12(1)	NA	NA
MTBE	0.014(2)	0.014(2)	<0.5(3)	<0.5(3)
Other (8240/8270)	NA	NA	NA	NA

(1) Lead was the only metal analysis performed.
(2) DIPE, ETBE, TAME, EDB, and EDC <0.005 ppm; TBA <0.25 ppm; and ethanol <0.5 ppm in soil.
(3) DIPE, ETBE, TAME, EDB, and EDC <0.5 ppb; TBA <10 ppb; and ethanol <1,000 ppb in groundwater.

Site History and Description of Corrective Actions:

One 550-gallon underground storage tank (UST) was removed in January 2004. Total petroleum hydrocarbons as gasoline (TPHg) were detected at a concentration of 1.82 ppm in one soil sample collected at a depth of 12 feet beneath the former UST. MTBE was detected at a concentration of 0.014 mg/kg in one soil sample collected at a depth of 2 feet below the fuel dispenser. The UST was in good condition when removed and no soil staining was observed. Groundwater was not encountered in the tank excavation.

Five soil borings were drilled and sampled in November 2005 at and immediately downgradient from the former USTs. No soil contamination was collected in six soil samples collected in the area of the former dispenser and USTs. The shallow soils were generally fine-grained colluvial soils. Groundwater was not encountered in the borings near the former dispenser and UST down to a depth of 52 feet bgs. One grab groundwater sample was collected from a location approximately 185 feet downgradient and downslope from the former UST at a depth of 30 feet bgs. No contamination was detected in the groundwater sample.

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: NA
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: NA		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

No contamination detected during the investigation. No variances.

Conclusion:

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. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: Jerry Wickham	Date: 02/03/06
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 02/03/06

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: 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: NA	Date of Well Decommissioning Report: NA	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: NA	Number Retained: 0
Reason Wells Retained: No wells retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature:		Date:

Attachments:
1. Site Location Map
2. Site Plan and Sampling Locations and Tank Removal Site Plan
3. January 2004 and November 2005 Analytical Results
4. Boring Logs

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.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: Jerry Wickham	Date: 02/03/06
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: Donna L. Drogos	Date: 02/03/06

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

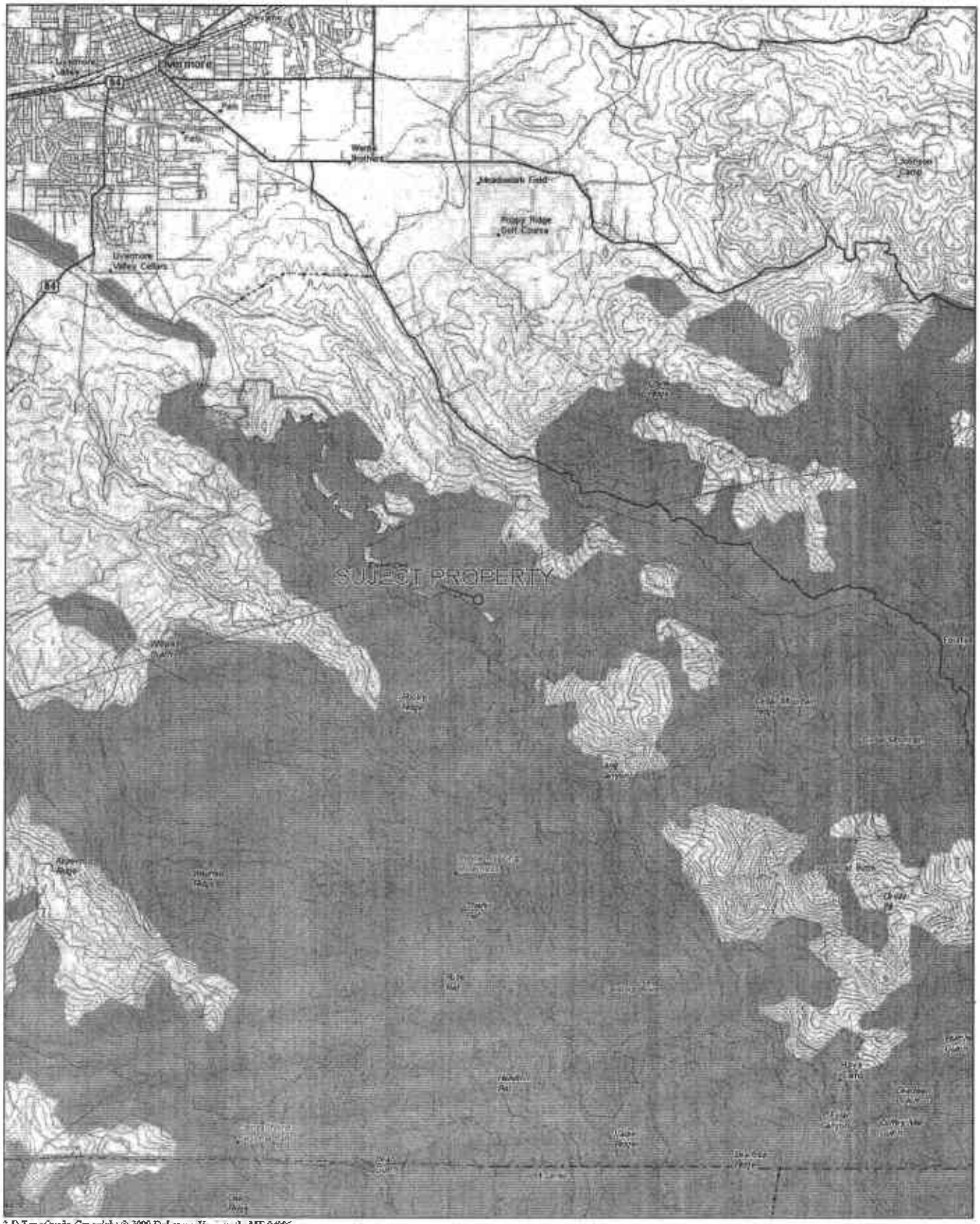
Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 02/03/06
Signature: Cherie McCaulou	Date: 2/7/06

VIII. Monitoring Well Decommissioning

Date Requested by ACEH: NA	Date of Well Decommissioning Report: NA	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: NA	Number Retained: 0
Reason Wells Retained: No wells retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: Jerry Wickham		Date: 02/07/06

Attachments:
1. Site Location Map
2. Site Plan and Sampling Locations and Tank Removal Site Plan
3. January 2004 and November 2005 Analytical Results
4. Boring Logs

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.



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 — 3000 ft Scale: 1 : 160,000 Detail: 11-0 Datum: WGS84

N

SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

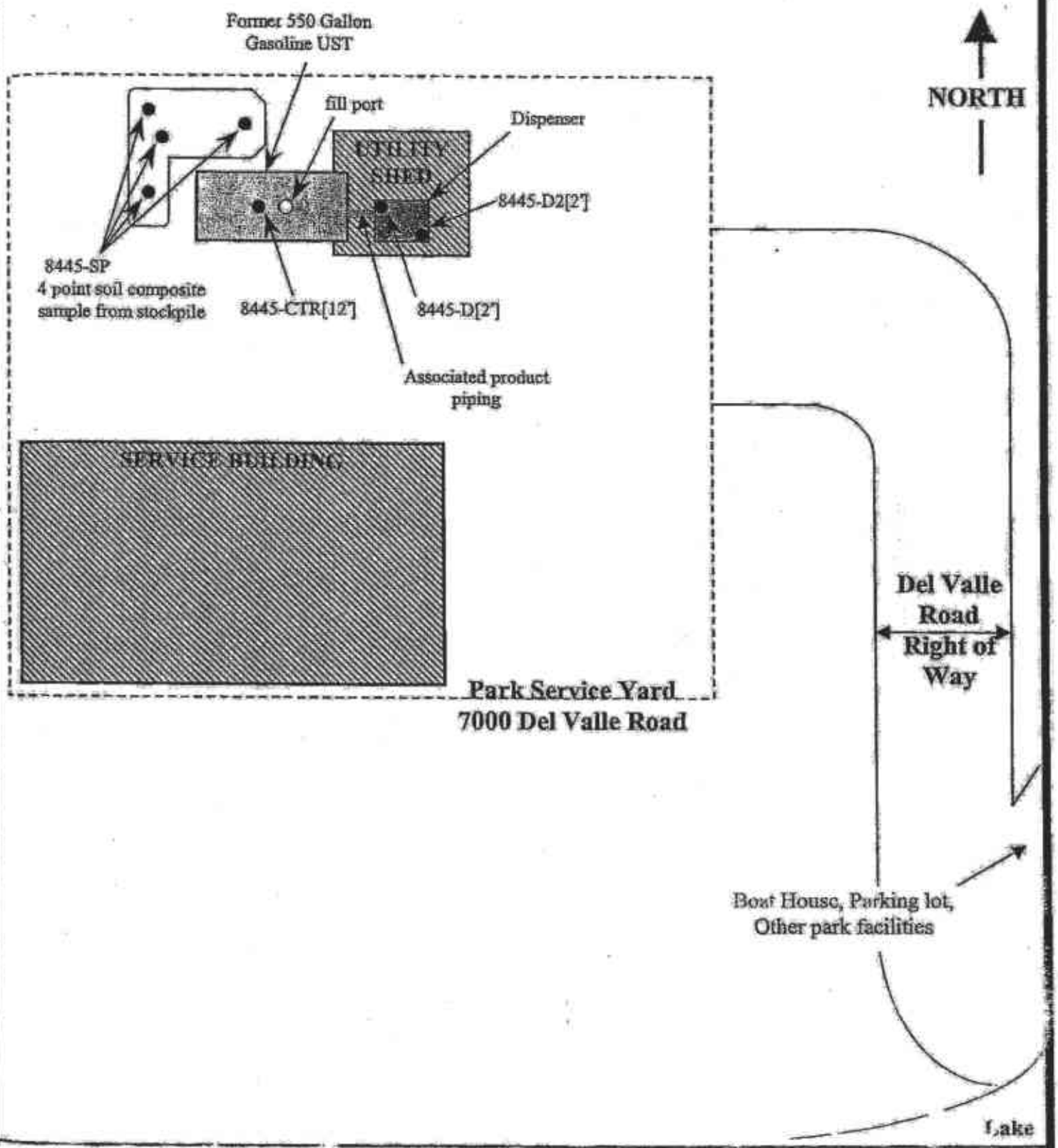
6999 Del Valle Rd,
Livermore, CA

By: MJC | SEPTEMBER 2005

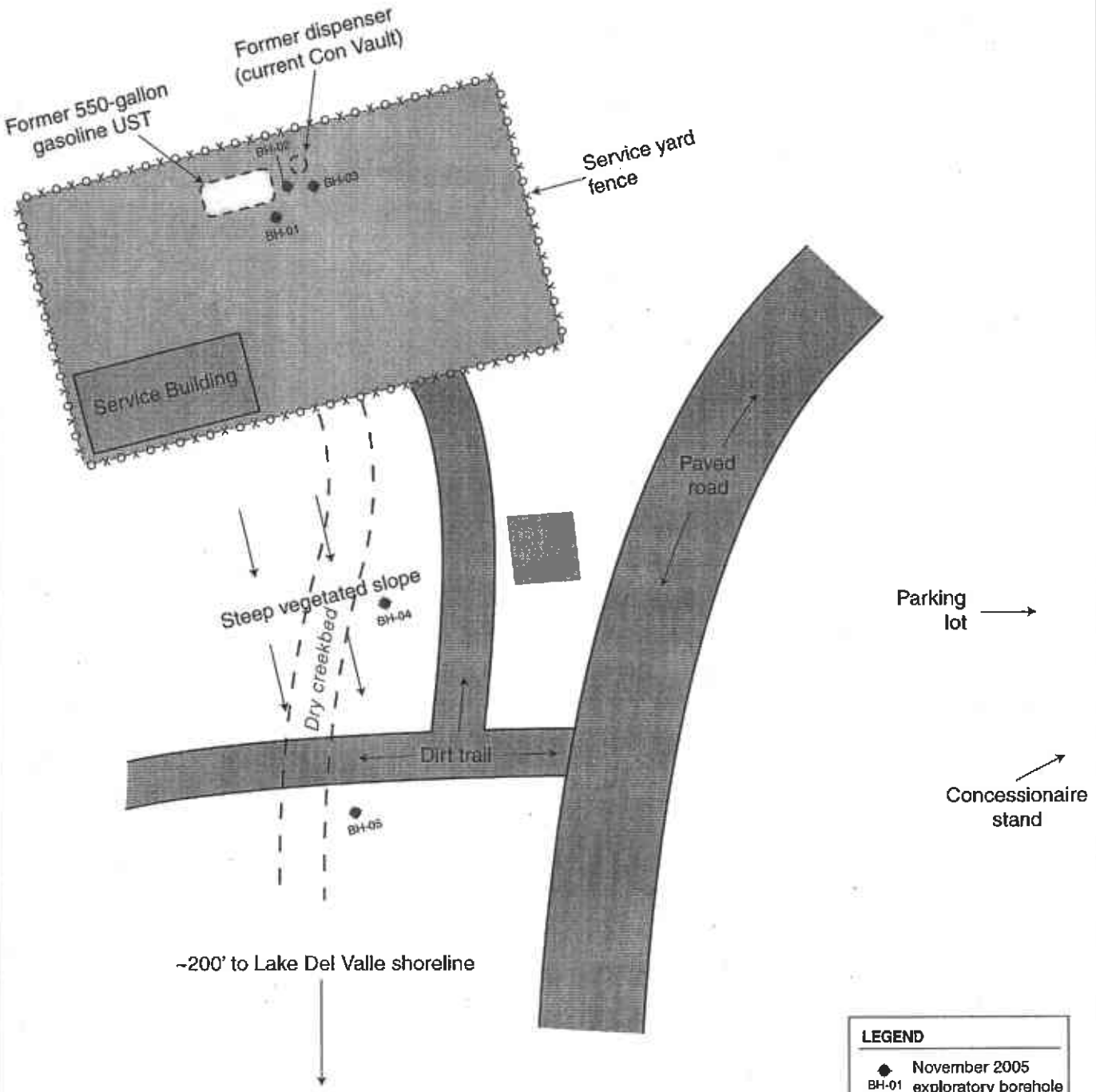
Figure 1

★ Stellar Environmental Solutions, Inc.
Geoscience & Engineering Consulting

2005-67-01



GOLDEN GATE TANK REMOVAL, INC 255 Shipley Street San Francisco, California 94107 Telephone (415) 512-1555 Fax (415) 512-0964			**SITE PLAN** Commercial Property 7000 Del Valle Road Livermore, California 94550	
Project Number 8445	January 2004	By: April F.	Not to scale	Figure 3



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SITE PLAN AND SAMPLING LOCATIONS

Lake Del Valle Boat Launch
Service Yard, Livermore, CA

By: MJC | NOVEMBER 2005

FIGURE 2

STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

2005-67-02

Table 1
January 2004 and November 2005 Analytical Results
EBRPD Lake Del Valle Boat Launch Service Yard
6999 Del Valle Road, Livermore, California

Sample ID (showing depth)	TVHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Fuel Oxygenates
January 2004 UFST Removal Soil Samples (mg/kg) (b)							
8445-CTR [12'] (center of UFST excavation)	*<0.5*	*<0.005*	*<0.005*	*<0.005*	*<0.01*	0.014	*All ND*
8445-D [2'] (beneath dispenser)	*<0.5*	*<0.005*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*All ND*
8445-D2 [2'] (beneath dispenser line)	1.82	*<0.005*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*All ND*
8445-SP (stockpile)	*<0.5*	*<0.005*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*All ND*
November 2005 Borehole Soil Samples							
BH-01-12'	*< 0.93*	*<0.0046*	*<0.0046*	*<0.0046*	*< 0.0092*	*< 0.019*	*All ND*
BH-01-18'	*< 0.92*	*<0.0046*	*<0.0046*	*<0.0046*	*< 0.0092*	*< 0.018*	*All ND*
BH-01-30'	*< 0.92*	*<0.0046*	*<0.0046*	*<0.0046*	*< 0.0092*	*< 0.018*	*All ND*
BH-01-40'	*< 1.1*	*<0.0054*	*<0.0054*	*<0.0054*	*< 0.0108*	*< 0.022*	*All ND*
BH-02-2'	*< 1.1*	*<0.0056*	*<0.0056*	*<0.0056*	*< 0.0112*	*< 0.022*	*All ND*
BH-03-3'	*< 1.1*	*<0.0054*	*<0.0054*	*<0.0054*	*< 0.0108*	*< 0.022*	*All ND*
Soil ESLs [a]	100	0.044	2.9	3.3	1.5	0.023	Various
November 2005 Borehole Groundwater Sample (µg/L)							
BH-05-GW	*< 50*	*<0.50*	*<0.50*	*<0.50*	*<0.50*	*<2.0*	*All ND*
Groundwater ESLs [a]	100	0.044	2.9	3.3	1.5	0.023	Various

Notes:

[a] ESLs = Water Board Environmental Screening Levels for residential sites where groundwater is a potential drinking water resource.
[b] Other contaminants analyzed for and not detected include: ETBE, TAME, DIPE, TBA, EDB, EDC and ethanol. Lead detected at background concentrations
TVHg = total volatile hydrocarbons as gasoline MTBE = methyl *tertiary*-butyl ether

STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-01 Page 1 of 3

PROJECT Lake Del Valle Boat Yard
OWNER East Bay Regional Park District
LOCATION 6999 Del Valle Road, Livermore, CA
PROJECT NUMBER 2005-67
TOTAL DEPTH 52'
BOREHOLE DIA. 2-inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED not encountered
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/16/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Light brown clayey silt (ML), dry, stiff, friable, minor sm. gravel	"Instrument" is a photo ionization detector. "Readings" are in parts per million by volume air.
2				2' = 0		
4				4' = 0		
6				6' = 0	Light brown silty clay (CL), very dry, stiff, friable, v. dense, small gravel ~20%	
8				8' = 0		
10				10' = 0		
12	BH-01-12'			12' = 0	12.5' Gravel absent	
14				14' = 0		
16				16' = 0		
18	BH-01-18'			18' = 0		
20				20' = 0		

2005-67-05

STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-01 Page 2 of 3

PROJECT Lake Del Valle Boat Yard
OWNER East Bay Regional Park District
LOCATION 6999 Del Valle Road, Livermore, CA
PROJECT NUMBER 2005-67
TOTAL DEPTH 52'
BOREHOLE DIA. 2-inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED not encountered
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/16/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20						
22						
24				24' = 0		
					25' minor gravel. Lithology same as above	
26						
28				28' = 0		
30	BH-01-30'					
					31' Several large cobbles, becoming sandy (fine-grained), v. dry, v. dense, friable, gravel ~30%	
32				32' = 0		
					33.5' Gravel minor, sand absent	
34						
					35.5' Gravel ~30%, slightly sandy, v. stiff, dense, sl. moist	
36				36' = 0		
38						
					38.5' Gravel absent, sandy clay, sl. stiff, med. cohesive, sl. moist	
40	BH-01-40'			40' = 0	39.5' Gravel minor, sand absent	

2005-67-06

STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-01 Page 3 of 3

PROJECT Lake Del Valle Boat Yard
OWNER East Bay Regional Park District
LOCATION 6999 Del Valle Road, Livermore, CA
PROJECT NUMBER 2005-67
TOTAL DEPTH 52'
BOREHOLE DIA. 2-inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED not encountered
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/16/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
40					41' minor small gravel, sandy, dry	
42					42' gravel and sand absent, silty, dense, stiff, sl. moist	
44				44' = 0		
46					45.5' small gravel (~20%), sandy, dry	
					46.5' gravel and sand absent, silty clay, dense, cohesive	
48				48' = 0		
50					49.5' becomes sl. stiff	
						Groundwater not encountered in this borehole
52				51' = 0	51.5' gravelly clay, v. dense, stiff, sl. cohesive, dry	
					Bottom of borehole = 52'	

2005-67-07

STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-05 Page 1 of 2

PROJECT Lake Del Valle Boat Yard
OWNER East Bay Regional Park District
LOCATION 6999 Del Valle Road, Livermore, CA
PROJECT NUMBER 2005-67
TOTAL DEPTH 32 feet
BOREHOLE DIA. 2-inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED ~30'
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/16/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Light brown clayey silt (ML), dry, v. friable, stiff	"Instrument" is a photo ionization detector. "Readings" are in parts per million by volume air.
2				2' = 0		
4				4' = 0		
6				6' = 0	Gray-brown silty clay (CL), v. dry, friable, mod. stiff, minor sm. gravel	
8				8' = 0		
10				10' = 0		
12				12' = 0	11' Gravel absent, sl. cohesive, sl. moist	
14				14' = 0	14' Becomes sl. stiff-soft, cohesive, sl. plastic, sl. moist	
16				16' = 0	15' Becomes mod. stiff	
18				18' = 0	Brown w/blue-grey mottling, clayey, gravelly sand (SC), friable, sl. cohesive, mod. stiff, sl. moist, sand is fine-med. grained	
20				20' = 0	18' Gravel ↑ to 40%	

2005-67-03

STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-05 Page 2 of 2

PROJECT Lake Del Valle Boat Yard
OWNER East Bay Regional Park District
LOCATION 6999 Del Valle Road, Livermore, CA
PROJECT NUMBER 2005-67
TOTAL DEPTH 32 feet
BOREHOLE DIA. 2-inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED ~30'
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe
DRILLER J. Edmond
GEOLOGIST B. Rucker
DATE DRILLED 11/16/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
20					21' Gravel ↓ to 10%	"Instrument" is a photo ionization detector. "Readings" are in parts per million by volume air.
22				22' = 0	Brown silty clay (CL), stiff, v. cohesive, sl. moist	
24				24' = 0	Brown clayey, gravelly sand (SC), v. stiff, dry, friable, sand is fine-med. grained, gravel is small	
26				26' = 0	27' Several cobbles up to 1"	
28				28' = 0	27.5' Becomes clayey sand, no gravel, sl. moist, cohesive, friable, sl. stiff, sand is fine-grained	Hole swells shut at 28' after drilling to 32'.
30				30' = 0	28'-29' Minor sm. gravel	Insert temporary casing
32				31.5' = 0	29.5' Becomes soft, sl. cohesive, wet	water level = ~28' after several minutes.
34					31' Sand becomes very fine grained, moist	Collect "BH-05-GW"
36					31.5' Sl. moist	
38					Bottom of borehole = 32'	
40						

2005-67-04