



March 7, 2005

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Health Services Division
1131 Harbor Way Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County
MAR 17 2005
Environmental Health

RE: Piezometer Well Installation & Sampling – Additional Site Characterization Work Plan Addendum, 5930 College Avenue, Oakland, California
(ACHCSA Fuel Leak Case No. RO0000377; GGTR Project No. 7335)

Dear Mr. Hwang:

Based on our most recent telephone conversation dated March 4, 2005, regarding the piezometer well installation and sampling discussed in our September 30, 2004 *Additional Site Characterization Work Plan Addendum*, Golden Gate Tank Removal, Inc. (GGTR) is providing the following proposed scope of work detailing the construction specifications and sampling schedule for the temporary piezometer well (PW1) at the commercial property located at 5930 College Avenue in Oakland, California. Figure 7, attached, shows PW1, to be installed at the location of hydropunch boring, HB-2.

Temporary Piezometer Well Construction

Following grab groundwater sampling in HB-1, GGTR will direct the subcontracted driller to overdrill the boring with 8-inch-diameter, continuous flight, hollow stem augers to approximately 20 feet below grade (fbg). Soil will be collected at a minimum of 5-foot intervals, at changes in lithology, at the soil/groundwater interface, and at areas of obvious contamination.

Based on Sieve & Hydrometer Testing conducted for the saturated zone soil sample collected in B11 (August 2002) at 19 fbg, located approximately 60 feet east of HB-2, the soil was described as brown clayey (25.5% silt and 22.9% clay) sand (34.8%) with 43% porosity, 21.9% moisture content, and an approximate density of 97 pcf. Because appreciable fine-grained sand, silt and clay are present, GGTR proposes the following specifications for construction of PW1:

- 1.5- to 2-inch-diameter PVC casing: 0-5 fbg solid riser section; 5-20fbg screened section with 0.010" slot size
- #2/12 filter pack sand: 4-20 fbg
- Well Seal: hydrated bentonite (3-4 fbg) and neat Portland cement (1-3 fbg)
- 4-inch-diameter well box, flush to grade in concrete

A copy of the Particle Size Distribution Report and associated Geologic Log of B11 is attached.

Monitoring/Sampling Schedule

Approximately 72 hours following piezometer well installation, GGTR proposes developing PW1 in general accordance with the approved work plan monitor well development procedures. Based on contractual agreement with the RP, GGTR anticipates coordinating initial piezometer well monitoring and sampling with the next joint quarterly monitoring activities with Gettler-Ryan (Former Chevron facility, 5940 College Avenue), scheduled at the site on April 14, 2005. Should analytical results of the initial grab groundwater (HB-2) and quarterly well sampling (PW1) exceed CRWQCB Municipal Water Supply MCLs or Tier 1 ESLs, GGTR recommends continuing sampling PW1 on a quarterly basis. Otherwise, we suggest that sampling be decreased to a biannual basis thereafter. At this time, sample analysis and quarterly monitoring parameters should be similar to that recommended in the approved work plan.

Should you have any questions, please contact us at your earliest convenience. In my absence from the office, I am available by cellular service (916.616.4126).

Sincerely,
Golden Gate Tank Removal, Inc.



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

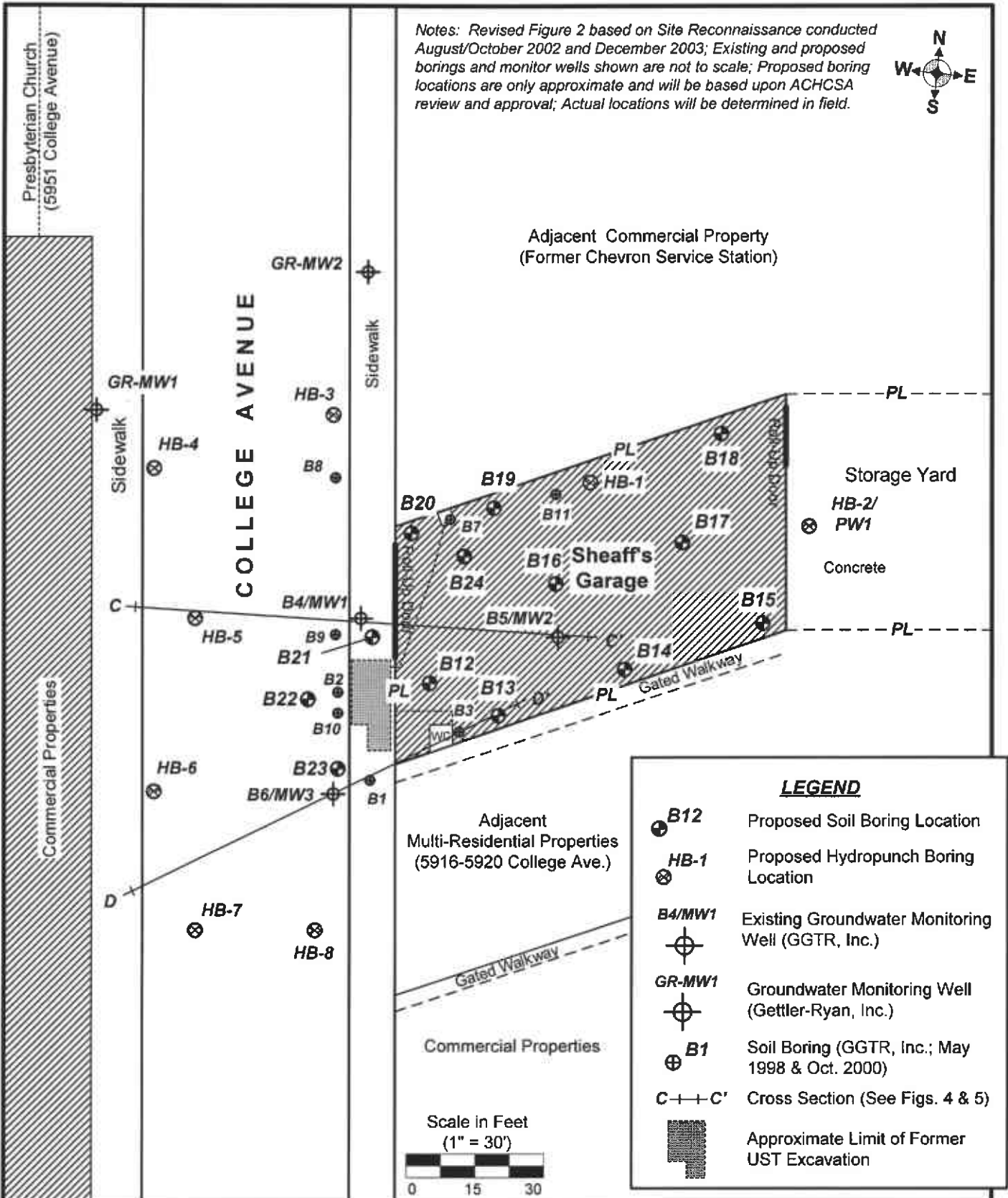


Mark Youngkin
Registered Geologist, CEG No.1380

Enclosures/4

cc: Dr. Brian Sheaff
William Sheaff Trust
1945 Parkside Drive
Concord, CA 94519

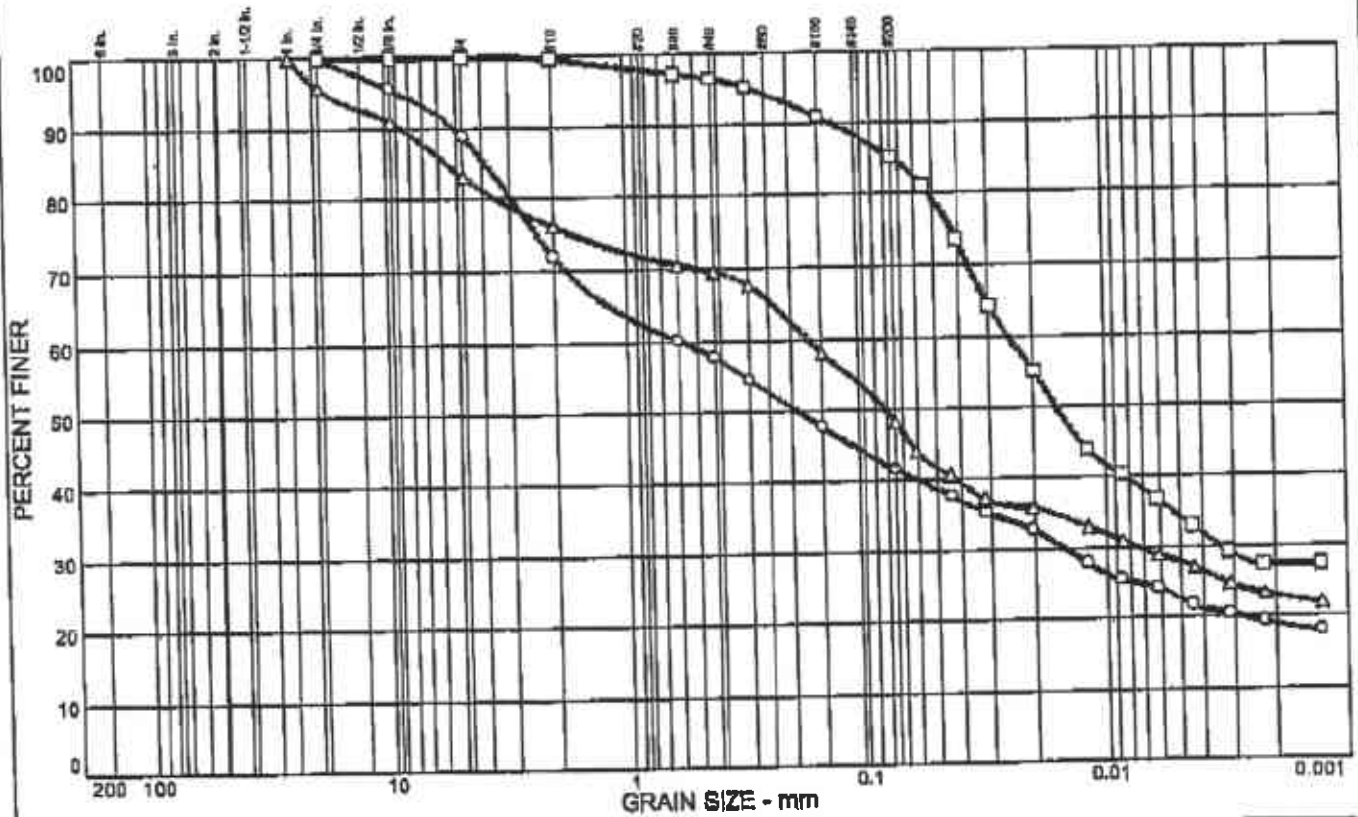
bdocs/corr/7335.ACHCSA HB-2.Ltr 03.05



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

PROPOSED BORING LOCATIONS
Sheaff's Garage
 5930 College Avenue, Oakland, California

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% + 3"	% GRAVEL	% SAND	% SILT	% CLAY	% FINES	USCS	AASHTO	FL	LI
○		11.1	47.3	22.6	19.0	41.6				
□			14.8	57.9	27.3	85.2				
△		16.8	34.8	25.5	22.9	48.4				

SIEVE Inches size	PERCENT FINER		
	○	□	△
1	100.0	100.0	100.0
3/4	100.0	100.0	95.8
3/8	95.6	100.0	91.0
GRAIN SIZE			
D ₆₀	0.581	0.0250	0.170
D ₃₀	0.0150	0.0034	0.0074
D ₁₀			
COEFFICIENTS			
C _c			
C _u			

SIZE	PERCENT FINER		
	○	□	△
#4	86.9	100.0	83.2
#10	72.0	95.7	76.1
#20	62.2	97.3	76.7
#40	57.8	98.6	69.7
#60	54.8	95.5	67.8
#100	47.8	91.0	58.5
#200	41.6	85.2	48.4
0.0616 mm.		81.1	40.6
0.0553 mm.			
0.0475 mm.			
0.0425 mm.	37.6		
0.0406 mm.		73.7	
0.0375 mm.			57.1
0.0320 mm.			
0.0313 mm.			
0.0300 mm.			
0.0274 mm.			
0.0250 mm.	32.7		35.7
0.0212 mm.			
0.0192 mm.			
0.0170 mm.			
0.0150 mm.	27.8		33.0
0.0143 mm.			
0.0125 mm.	25.4		40.3
0.0106 mm.			
0.0085 mm.			
0.0075 mm.	24.2		36.6
0.0060 mm.			32.9
0.0044 mm.			
0.0043 mm.			
0.0031 mm.	20.5		27.1
0.0025 mm.	19.2		24.6
0.0022 mm.			
0.0019 mm.	16.0		27.3

SOIL DESCRIPTION

○ brown clayey SAND w/trace gravel

□ olive gray CLAY w/sand

△ brown clayey SAND w/gravel

REMARKS:

○

□

△

○ Source: B9
 □ Source: B9 B3
 △ Source: B11

Elev./Depth: 7'
 Elev./Depth: 17'
 Elev./Depth: 19'

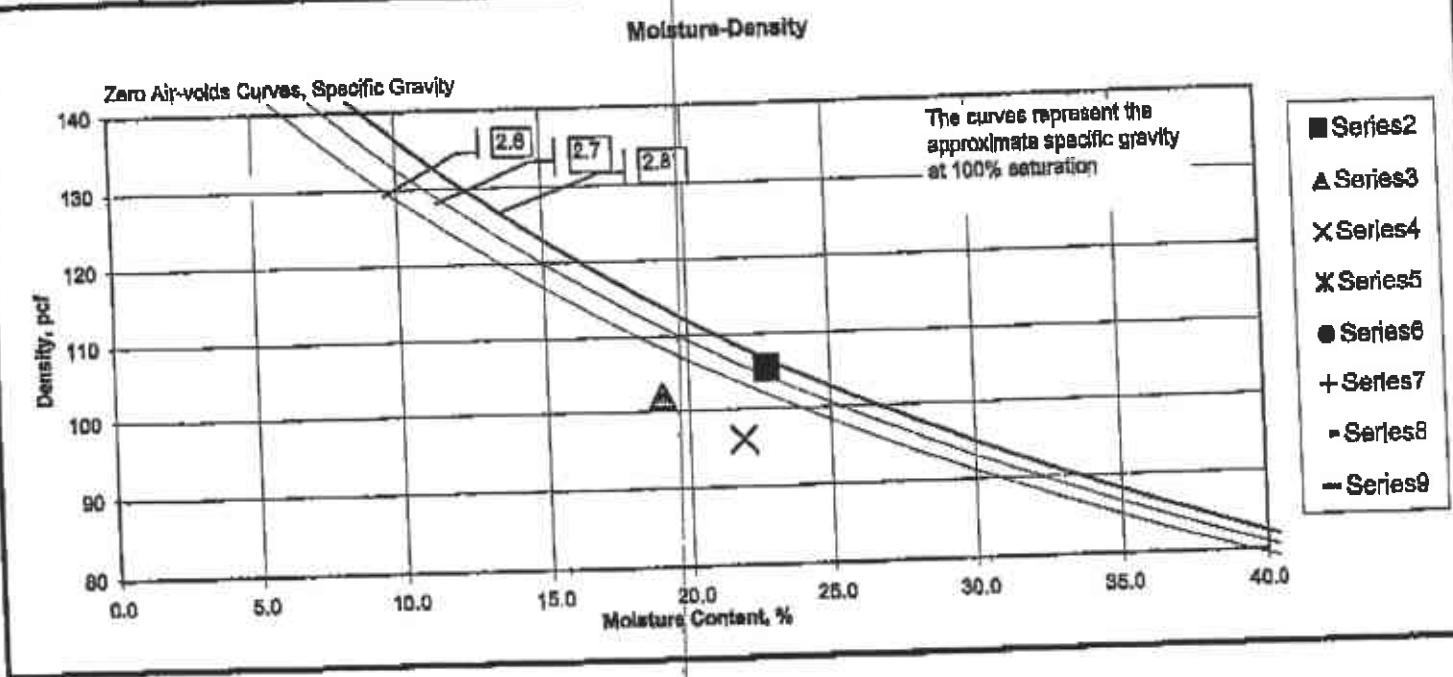


Moisture-Density-Porosity Report

Cooper Testing Labs, Inc.

Job No: 453-003 Date: 06/04/03
 Client: Golden Gate Tank By: DC
 Project: 7335 Remarks:

Boring:	B8	B9	B11						
Sample:									
Depth:	17	7	19						
Description	olive gray CLAY w/sand	brown clayey SAND w/trace gravel	brown clayey SAND w/gravel						
Actual G_s									
Assumed G_s	2.75	2.70	2.70						
Total Vol cc	103.17	56.32	155.35						
Vol Solids, cc	63.35	34.07	88.52						
Vol Voids, cc	39.82	22.25	66.82						
Moisture, %	22.8	19.0	21.9						
Wet Unit, pcf	129.5	121.5	117.2						
Dry Unit, pcf	105.5	102.1	96.1						
Saturation, %	99.6	78.7	78.4						
Porosity, %	38.6	39.5	43.0						
Void Ratio	0.628	0.653	0.755						
Series	2	3	4	5	6	7	8	9	



LOG OF BORING B11

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1				SM	Concrete (3 Inches) Base (Silty, gravelly SAND)	← Concrete (0'-0.5')
5	NR				Moist, dusky yellowish brown (10YR 2/2), slightly clayey SILT with sand	
10	7335-B11-8		0	ML	Moist, dark yellowish brown (10YR 4/2) clayey SILT with fine- to coarse-grained sand	← Portland Cement (0.5'-20')
15	7335-B11-13		0		Moist to wet, moderate to dark yellowish brown (10YR 4/2) clayey SILT	
20	7335-B11-20		0	SM/ML	Moist to wet, moderate yellowish brown (10YR 5/4), clayey SILT with trace fine- to coarse-grained sand	
20					Same; grades to a slightly clayey, silty SAND / sandy SILT	
20					Total Boring Depth @ 20 fbg	↔ 2 Inches
25						

BORING NUMBER: B11
LOCATION: 5930 College Avenue
 Oakland, CA
PROJECT NO: 7335
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: 2" OD Percussion
DRILLING DATE: October 30, 2002

Logged By: B. Wheeler Checked By: M. Youngkin

Legend/Notes:

fbg = feet below grade
 ppm = parts per million
 NR = no recovery
 Groundwater not encountered in borehole