

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

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

January 31, 2007

Richard Rinck
GE Healthcare
389 Oyster Point Blvd.
South San Francisco, CA 94080

August Blasquez and Paul Dresnick TRS
P.O. Box 66571
Scotts Valley, CA 95067

August Blasquez and Celia Villar
7026 Santa Teresa Blvd.
San Jose, CA 95139

Subject: SLIC Case No. RO0002874, GE Imatron/Caral Manufacturing, 578 Cleveland Avenue, Albany, CA

Dear Richard Rinck, August Blasquez and Paul Dresnick TRS, and Celia Villar:

This letter confirms the completion of site investigation and remedial actions for the soil and groundwater investigation at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported releases at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject Spill, Leaks, Investigation, and Cleanup (SLIC) case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

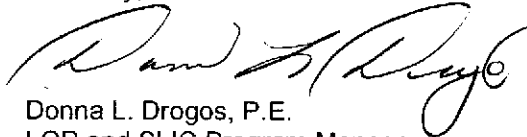
- Due to the presence of elevated concentrations of petroleum hydrocarbons, soil was excavated in the area of a Hydrotel sump. Soil contamination originating from the sump was removed by excavation over an area inside and extending outside the building. Confirmation soil samples collected following the excavation indicate that the concentrations of petroleum hydrocarbons in residual soil do not exceed San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels following excavation.
- Soils were excavated and removed in several areas of the North Yard due to elevated concentrations of petroleum hydrocarbons, volatile organic compounds, and metals. Soils were also excavated and removed from the area west of the building due to elevated concentrations of metals.
- Trichloroethene was detected in groundwater upgradient and downgradient of the site at concentrations up to 8.9 parts per billion (ppb).

Richard Rinck
August Blasquez and Paul Dresnick TRS
August Blasquez and Celia Villar
January 31, 2007
Page 2

- Total petroleum hydrocarbons as diesel were detected in groundwater at concentrations up to 92 ppb.

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

Sincerely,



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

Enclosures: SLIC Case Closure Summary

cc: Cherie McCaulou (w/enc.)
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

City of Albany Planning and Zoning Department (w/enc.)
1000 San Pablo Avenue
Albany, CA 94706

Michael Zimmerman (w/enc.)
Clayton Group Services, Inc.
6920 Koll Center Parkway
Pleasanton, CA 94566

Donna Drogos, ACEH (w/enc.)
Jerry Wickham, ACEH (w/ original enc)
File

**CASE CLOSURE SUMMARY
SPILLS, LEAKS, INVESTIGATION, AND CLEANUP PROGRAM**

I. AGENCY INFORMATION

Date: January 18, 2007

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: GE Imatron / Caral Manufacturing		
Site Facility Address: 5789 Cleveland, Albany, CA 94710		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO0002874
URF Filing Date: 07/28/2005	SWEEPS No.: ---	APN: 66-2760-13-5
Responsible Parties	Addresses	Phone Numbers
Richard Rinck, GE Healthcare	389 Oyster Point Blvd., South San Francisco, CA 94080	650-827-7729
August Blasquez and Celia Villar	7026 Santa Teresa Blvd., San Jose, CA 95139	
August Blasquez and Paul Dresnick TR	P.O. Box 66571, Scotts Valley, CA 95067	

Tank, Sump, or OWS	Size	Contents	Closed In Place/Removed?	Date
Oil/water separator	Not reported	Waste oil and sludge	Removed	June 2004
Betts Sump	14 feet by 15 feet by 26 inches deep	Lubricating Oil	Cleaned and left in place	June through July 2004
Hydrotel Sump	29 inches by 66 inches by 14 inches deep	Lubricating Oil	Removed	June through July 2004
---	---	---	---	---
Piping			Removed	June 2004

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Releases occurred in three areas of the site but the specific causes of the releases are not known. Petroleum hydrocarbons were released from a former sump located within the warehouse building. Petroleum hydrocarbons, metals, and volatile organic compounds (VOCs) were released to soil in the North Yard. Metals were released to surface and shallow soils in an area west of the warehouse.	
Site characterization complete? Yes	Date Approved By Oversight Agency: ----

Monitoring wells installed? No	Number: ---	Proper screened interval? ---
Highest GW Depth Below Ground Surface: 10 feet below ground surface (bgs)	Lowest Depth: 40 feet bgs	Flow Direction: Assumed to be west toward San Francisco Bay
Most Sensitive Current Use: Discharge to surface water		

Summary of Production Wells in Vicinity:	
No known water supply wells within a 2,000-foot radius of the site based on August 2006 well survey completed by Alameda County Public Works Agency.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Francisco Bay is approximately 300 feet west of the site
Off-Site Beneficial Use Impacts (Addresses/Locations): No	
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	---	---	---
Piping	---	---	---
Free Product	---	---	---
Soil	395 cubic yards	395 cubic yards disposed at the Altamount Landfill in Livermore, CA	October 2004 to April 2005
	111 cubic yards	111 cubic yards disposed at the Altamount Landfill in Livermore, CA	October 2006
Groundwater	--	--	--

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	After
TPH (Gas)	1,800	11	88	88
TPH (Diesel)	10,000	90	92	92
TPH (Motor Oil)	816	816	<300	<300
Oil & Grease	38,000	100	Not Analyzed	Not Analyzed
Benzene	<0.005	<0.005	1.7	1.7
Toluene	<0.005	<0.005	<0.5	<0.5
Ethylbenzene	<0.005	<0.005	<0.5	<0.5
Xylenes	<0.005	<0.005	<0.5	<0.5
Lead	2,200	110	<4	<4
Chromium	410	41	6.9	9.9
Cadmium	12	<0.5	<1	<1
Zinc	4,900	29	7.2	7.2
MTBE	<0.005(1)	<0.005(1)	<0.01(1)	<0.01(1)
Trichloroethene (TCE)	29(2)	0.081(2)	8.9(3)	8.9(3)
Cis 1,2-dichloroethene (cis 1,2-DCE)	9.1(2)	0.066(2)	29(3)	29(3)
Methyl ethyl ketone (MEK)	0.025(2)	<0.009(2)	<10(3)	<10(3)
Vinyl chloride	<0.01(2)	<0.01(2)	0.8(3)	0.8(3)
Other (8240/8270)	0.24(4)	<0.02(5)	210(6)	<20(6)

- (1) MTBE was the only fuel oxygenate analyzed in soil and groundwater. EDB and EDC were not detected in soil or groundwater.
- (2) TCE, cis 1,2-DCE, and MEK were the only VOCs detected in soil. No other VOCs were detected in soil; detection limits were variable.
- (3) TCE, cis 1,2-DCE, and vinyl chloride were the only VOCs detected in groundwater. No other VOCs were detected in groundwater; detection limits were variable.
- (4) Aroclor-1268 = 0.24 ppm in soil; Aroclor-1260 = 0.21 ppm in soil; and Aroclor-1254 = 0.031 ppm in soil; no other SVOCs or PCBs were detected in soil.
- (5) SVOCs and PCBs were not detected in soil outside the area of excavation.
- (6) Pentachlorophenol was detected at 210 ppb in a grab groundwater sample collected in 2001. Pentachlorophenol was not detected in groundwater samples collected in February 2006. No other SVOCs or PCBs were detected in groundwater.

Site History and Description of Corrective Actions:

The site is located in an industrial area that is bordered by Interstates 80 and 580. San Francisco Bay is approximately 300 feet west of the site. The facility operated as a machine shop from the 1950s until mid-2004. An Environmental Site Assessment that included soil, sediment, and groundwater sampling was completed at the site as part of due diligence in 2001. The Environmental Site Assessment was updated in 2004. Data collected during the Environmental Site Assessment indicated that petroleum hydrocarbons were present in shallow subsurface soil in the North Yard. Caral Manufacturing, Inc., which is a wholly owned subsidiary of GE Healthcare, ceased manufacturing operations at the site in mid-2004. During the 2004 activities related to decommissioning of the facility, chemical contamination was detected at the site in the areas described below:

Sumps Inside the Building

Two below grade sumps that contained machinery were located within the facility building. On June 17, 2004, four soil borings were advanced around the perimeter of each sump to a maximum depth of two feet below the bottom of the sumps. No VOCs or SVOCs were detected in soil samples collected around the perimeter of the Betts machine. Total oil and grease was detected at concentrations of 43 to 61 ppm in soil samples collected around the former Betts machine sump. No further investigation of the sump around the Betts machine was conducted. Total oil and grease was detected in soil samples collected around the sump that formerly contained the Hydrotel machine at concentrations ranging from 3,100 to 38,000 ppm. Several soil samples were collected at additional locations around the Hydrotel sump at depths ranging from 3.5 to 6.0 feet bgs in June/July 2004. Concentrations of TPH as diesel and motor oil in soil ranged from not detected to 1,600 ppm. Between October 2004 and January 2005, soil excavation was conducted to remove soil containing greater than 100 ppm of TPH. The contamination appeared to follow the grade beam from the warehouse area of the facility building to the office. Pre-excavation soil borings were advanced within the office area prior to excavation. Soil samples collected from borings in the office area contained not detected to 11,000 ppm of TPH. Following completion of excavation in the warehouse area, the open excavation was backfilled with drain rock and base rock and the excavation was extended along the floor grade beam into the office area. After temporary shoring was emplaced, excavation also took place beneath three of the building structural columns. The excavation was extended outside the building from the office area and front door on the south side of the building. Confirmation soil samples indicated that concentrations of residual TPH were less than 100 ppm.

North Yard

Data collected in 2001 and 2002 for an Environmental Site Assessment, indicated that petroleum hydrocarbons were present in the shallow subsurface soils outside the facility building in the North Yard. Soils were excavated at four locations within the North Yard where elevated concentrations of petroleum hydrocarbons, VOCs, or metals were detected in soil borings. These areas included a former aboveground oil/water separator and steam-cleaning tray and the areas around three soil borings. The excavations extended to depths of approximately three feet bgs. Confirmation samples were collected from soil that appeared to be native soil in each of the four excavations. The excavation in the area of the former oil/water separator was extended several feet in order to remove soil containing elevated concentrations of TPH as diesel. An additional soil boring investigation was conducted in the North Yard in February 2006 to confirm that the excavation removed elevated concentrations of residual contamination.

Area West of Warehouse

During the Environmental Site Assessment performed in 2001 and 2002, elevated concentrations of metals were detected in soils in the area west of the warehouse, which is bordered on the west by railroad tracks. Additional soil samples were collected at depths of 1, 3, and 6 feet bgs in the area west of the facility building in February and May 2006. Lead, antimony, and cobalt were detected at elevated concentrations in the soil samples collected from 1 foot bgs. Soil samples collected at 3 and 6 feet bgs did not contain elevated concentrations of metals. Soils along the west side of the facility building were excavated to a depth of 3 feet bgs in October 2006. The excavated soils were disposed off-site and the excavated area was backfilled using clean fill.

Groundwater

Grab groundwater samples were collected from three soil borings, which were advanced to depths of 30 to 40 feet bgs. One boring was located along the upgradient property boundary and the remaining two borings were located within the North Yard. Trichloroethene was detected in two of the three groundwater samples at a maximum concentration of 8.9 ppb. Cis-1,2-dichloroethene was also detected in two of the three groundwater samples at a maximum concentration of 29 ppb. Benzene was detected in groundwater samples from the upgradient and downgradient borings at concentrations of 1.1 and 1.7 ppb, respectively.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? --		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? --		
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: No	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

<p>Considerations and/or Variances:</p> <p>This case closure addresses residual soil and groundwater contamination at the site. Potential Issues related to asbestos-containing materials or other industrial hygiene issues are not addressed by this case closure.</p> <p>No analyses were performed for fuel oxygenates other than MTBE. Since MTBE was not detected in soil or groundwater and gasoline releases are not suspected at the site, fuel oxygenate analyses are not required for the site.</p> <p>Conclusion:</p> <p>Alameda County Environmental Health staff believe that the low levels of residual contamination at the site do not pose a significant threat to water resources, public health and safety, and the environment based upon the information in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.</p>

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: <i>Jerry Wickham</i>	Date: 01/16/07
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: <i>Donna L. Drogos</i>	Date: 01/16/07

<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>
--

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: <i>Cherie McCaulou</i>	Date: 1/23/07

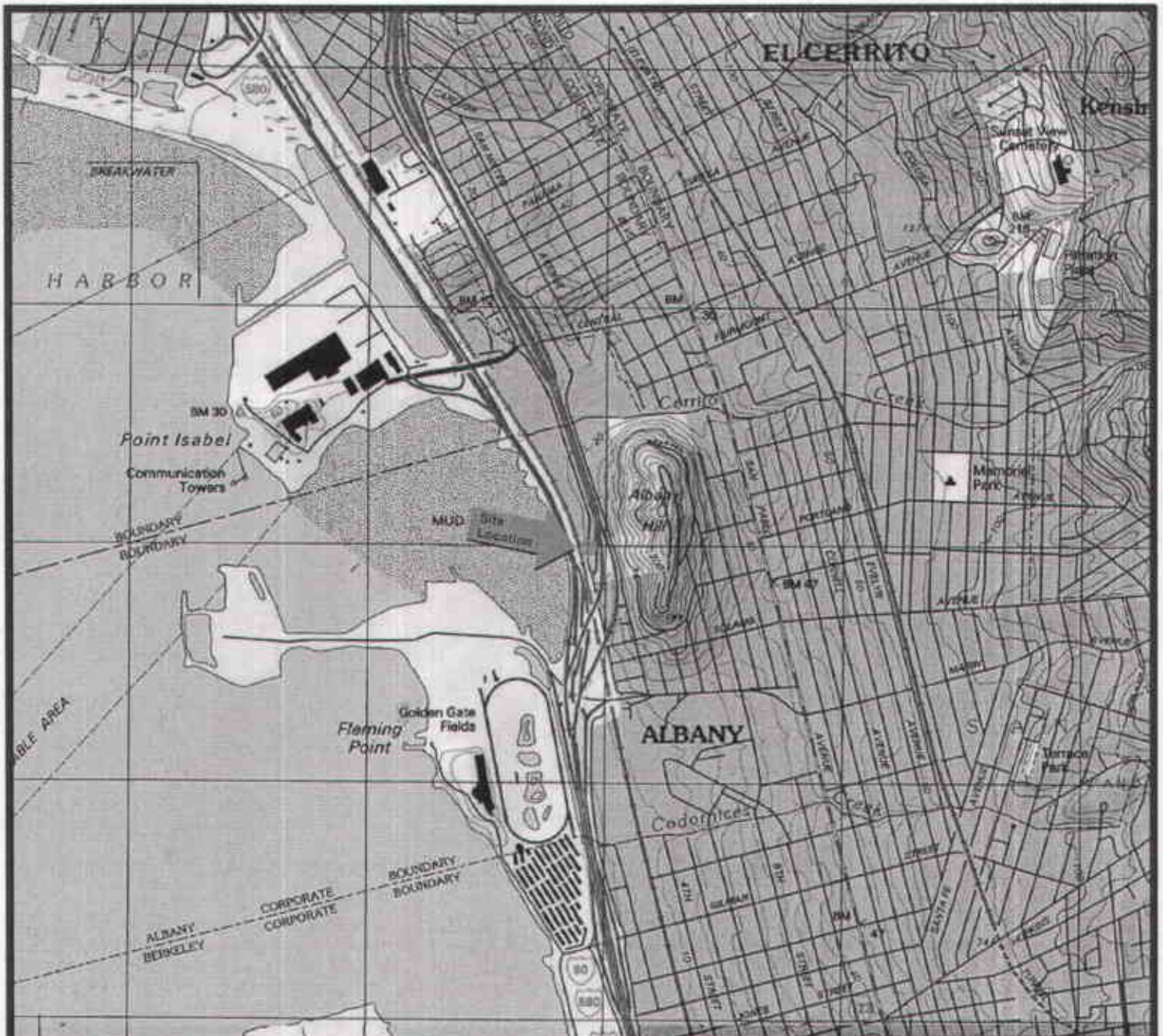
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: NA	Date of Well Decommissioning Report: NA	
All Monitoring Wells Decommissioned: NA	Number Decommissioned: NA	Number Retained: NA
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature: <i>George W. Dinkelman</i>	Date: 01/31/07	

Attachments:

1. Site Location Map (1 page)
2. Facility Site Plan: Betts & Hydrotel Sumps; Warehouse Area Excavation; Office Area Excavation; North Yard Excavations; and Excavation West of Warehouse (6 pages)
3. Analytical Sampling Results for Soils (14 pages)
4. Analytical Sampling Results for Groundwater (4 pages)
5. Boring Logs (10 pages)

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.



Map Source: TOPO!© 2000 National Geographic Holdings

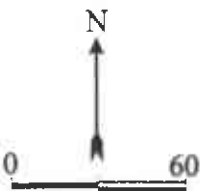
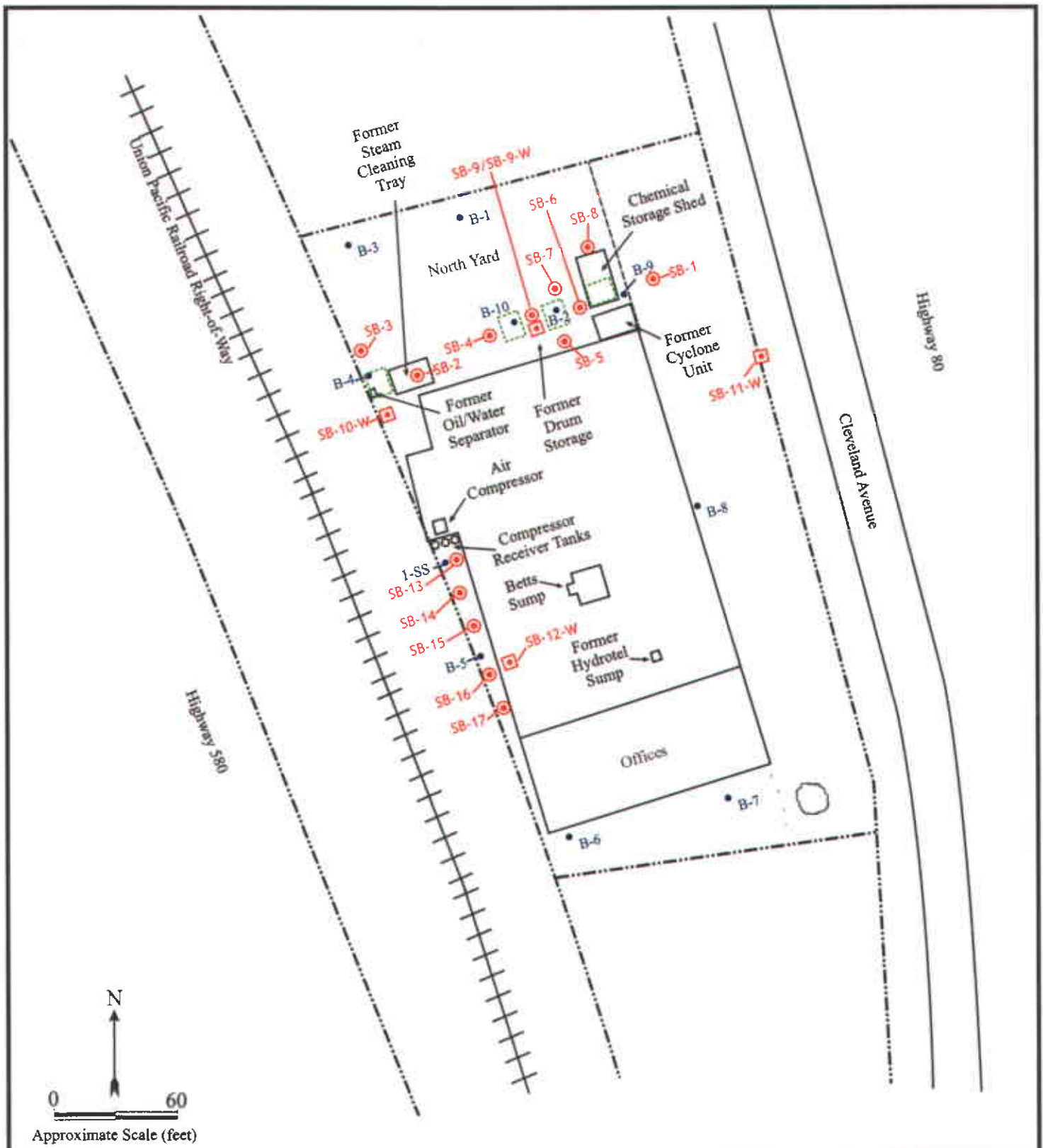
Note: Boundaries and Location Information is Approximate




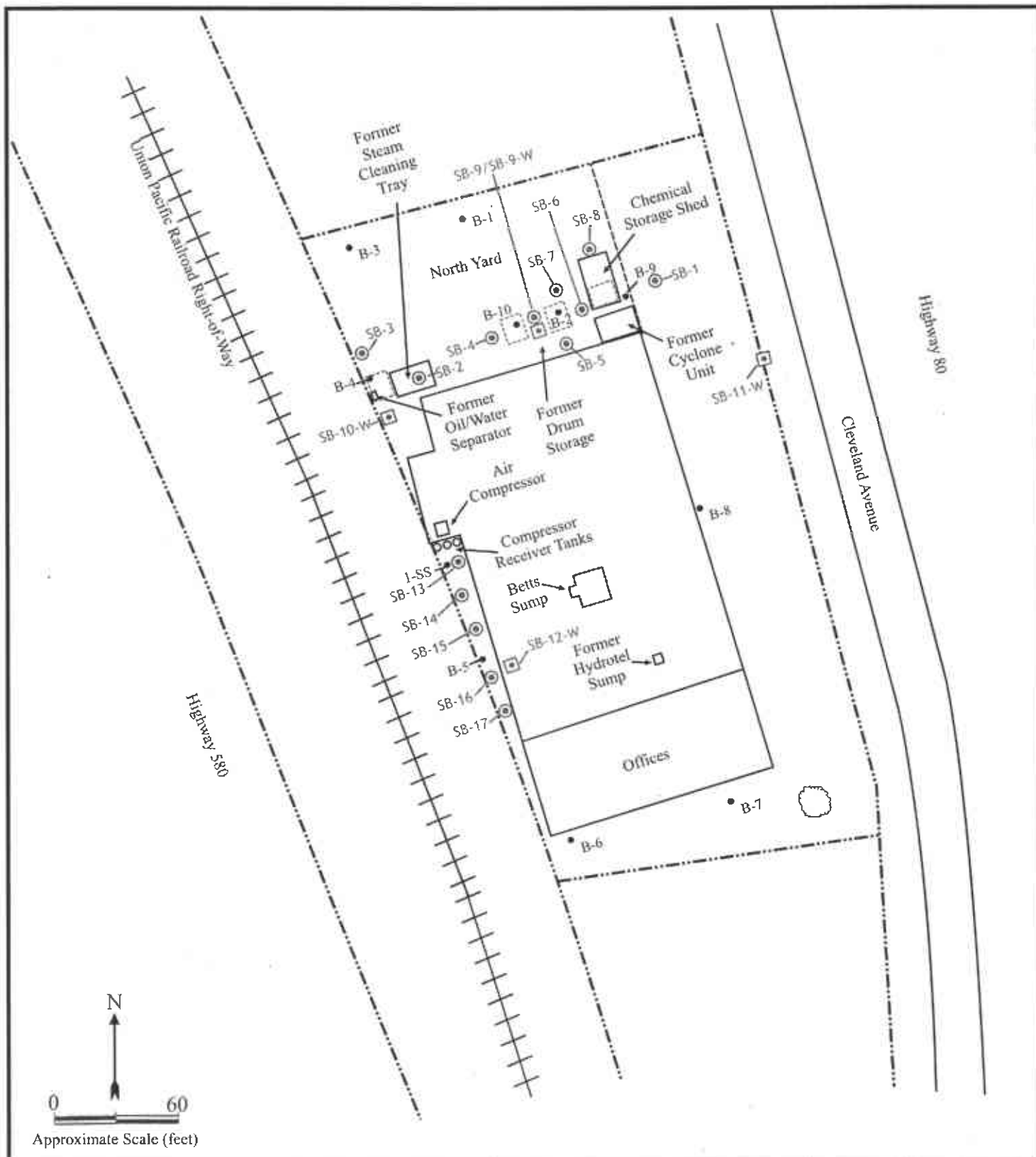
Portion of the 7.5-Minute Series Richmond, California
 Quadrangle Topographic Map (Datum: NAD 27)
 United States Department of the Interior
 Geological Survey
 1995 Photorevised from 1993




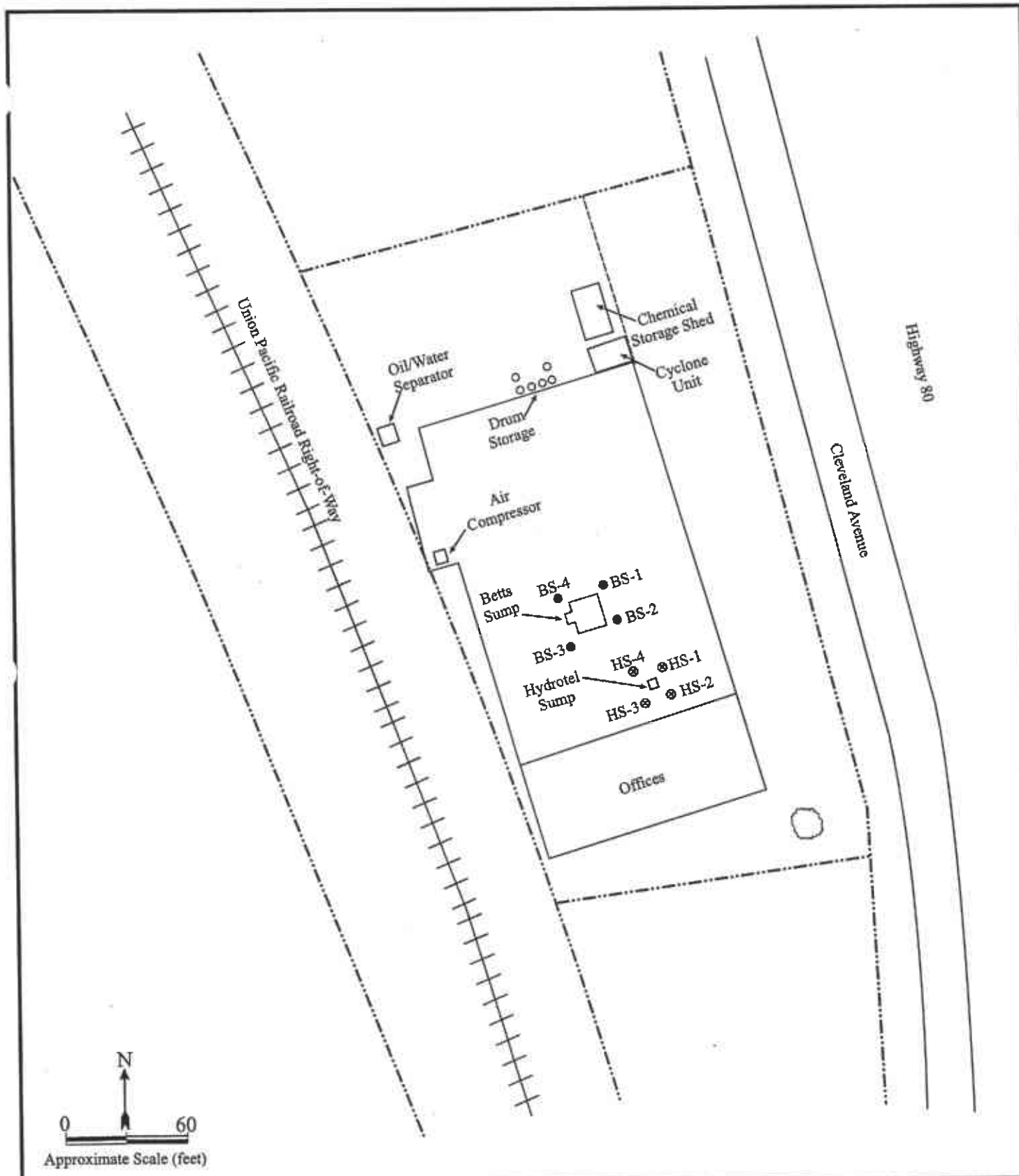
<p>SITE LOCATION MAP GE Healthcare Carol Division 578 Cleveland Avenue Albany, California Clayton Project No. 70-04583.02</p>	<p>Figure 1</p>	
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LEGEND	FACILITY SITE PLAN	FIGURE	
<ul style="list-style-type: none"> --- Approximate Property Line • Boring Completed by ERM prior to May 2004 ⊙ Soil Boring Location ⊠ Grab Groundwater Sample Location □ North Yard Excavation Completed in 2004 	GE Healthcare Caral Division 578 Cleveland Avenue Albany, California Clayton Project No. 33104-004583.03	2	



LEGEND	FACILITY SITE PLAN	FIGURE	 BUREAU VERITAS 1828
<ul style="list-style-type: none"> ----- Approximate Property Line • Boring Completed by ERM prior to May 2004 ⊙ Soil Boring Location ⊠ Grab Groundwater Sample Location ⊞ North Yard Excavation Completed in 2004 	GE Healthcare Caral Division 578 Cleveland Avenue Albany, California Clayton Project No. 33104-004583.03	<h1 style="font-size: 48px; margin: 0;">2</h1>	



LEGEND

- Approximate Assessor Property Line
- ⊗ HS-1 Hydrotel Sump Boring #1
3.5-4 ft bgs
- BS-1 Betts Sump Boring #1
4.0-4.5 ft bgs

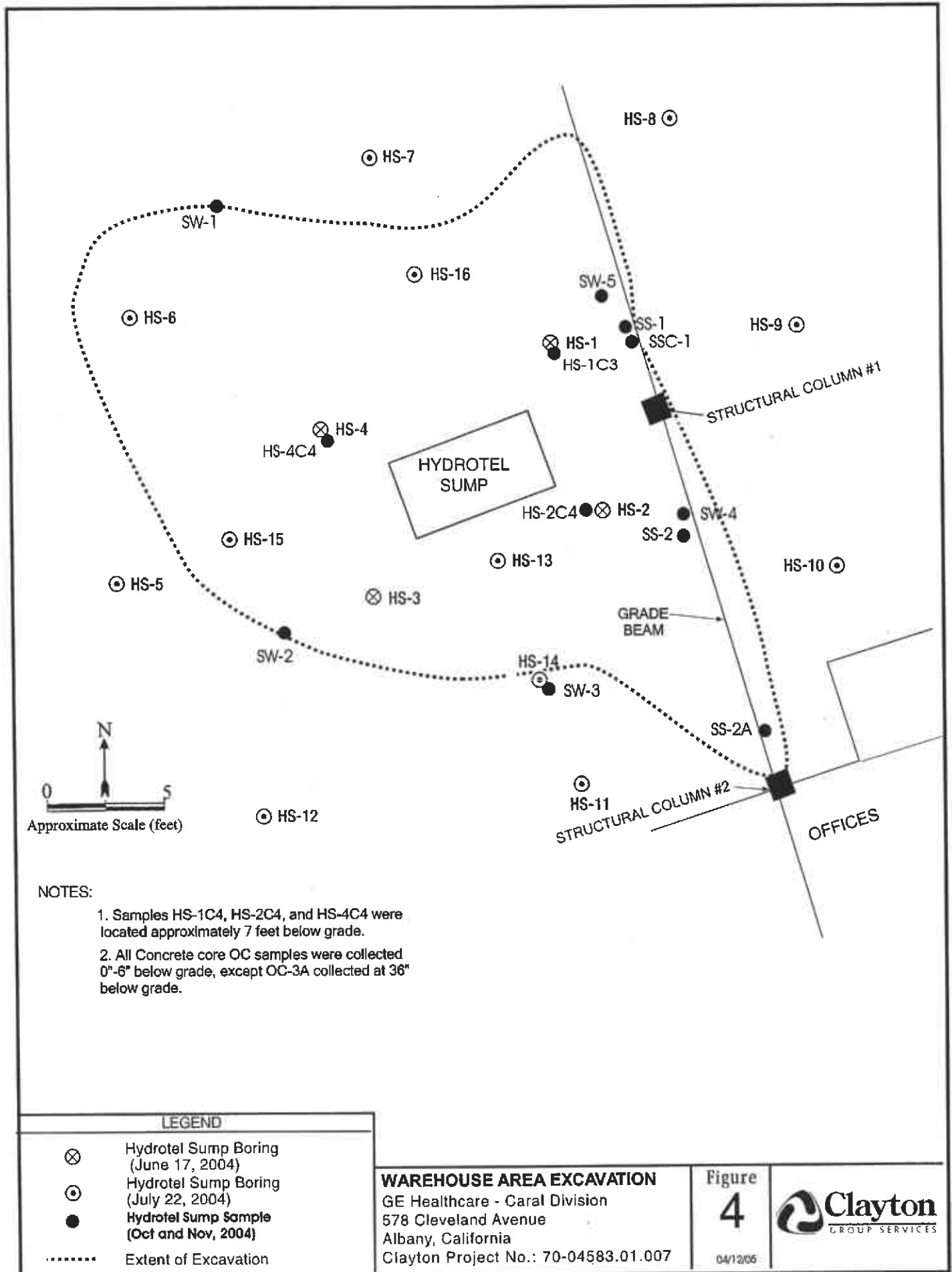
BETTS & HYDROTEL SUMPS

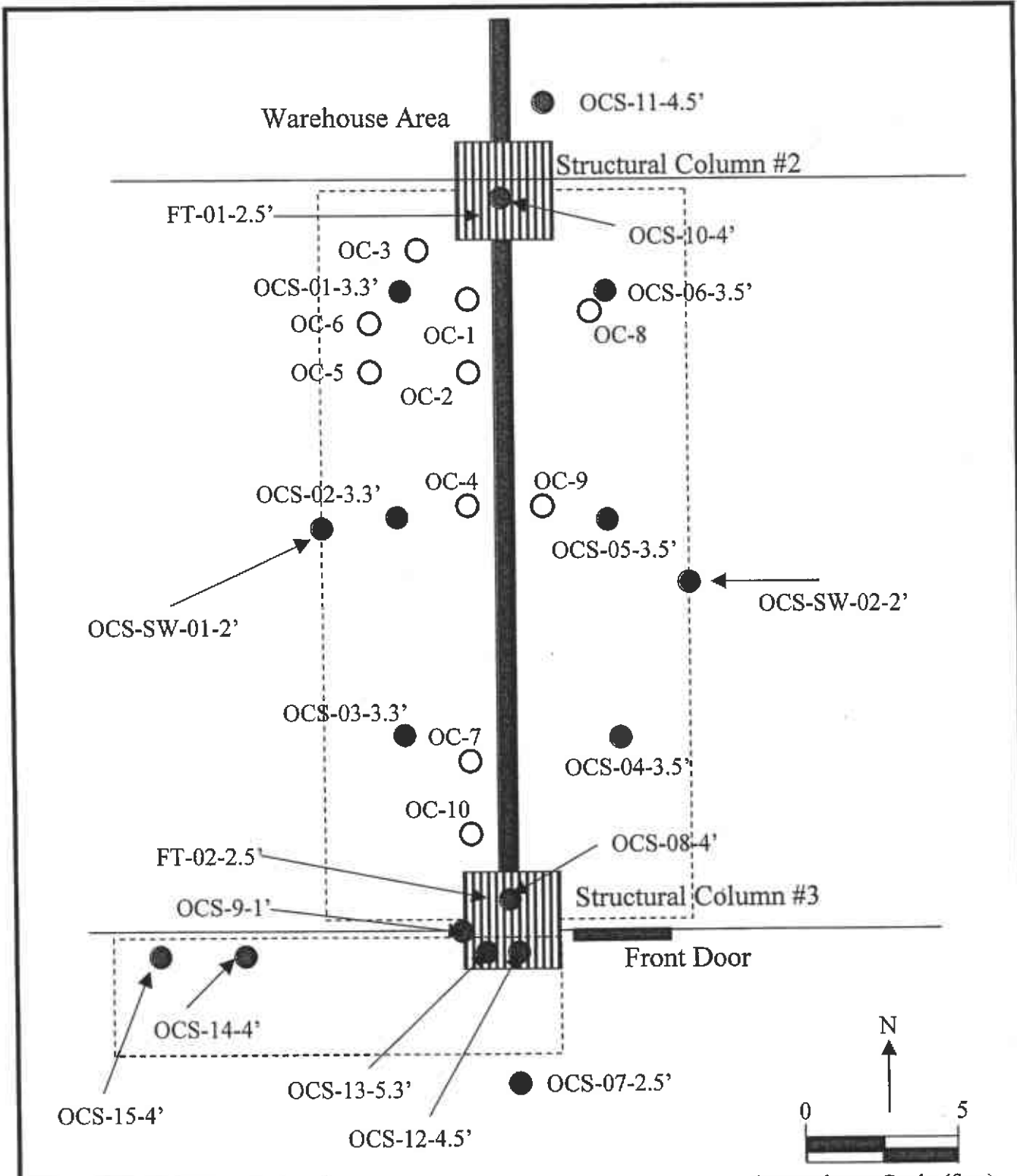
GE Healthcare
 Caral Division
 578 Cleveland Avenue
 Albany, California
 Clayton Project No. 70-04583.01.009

FIGURE

3





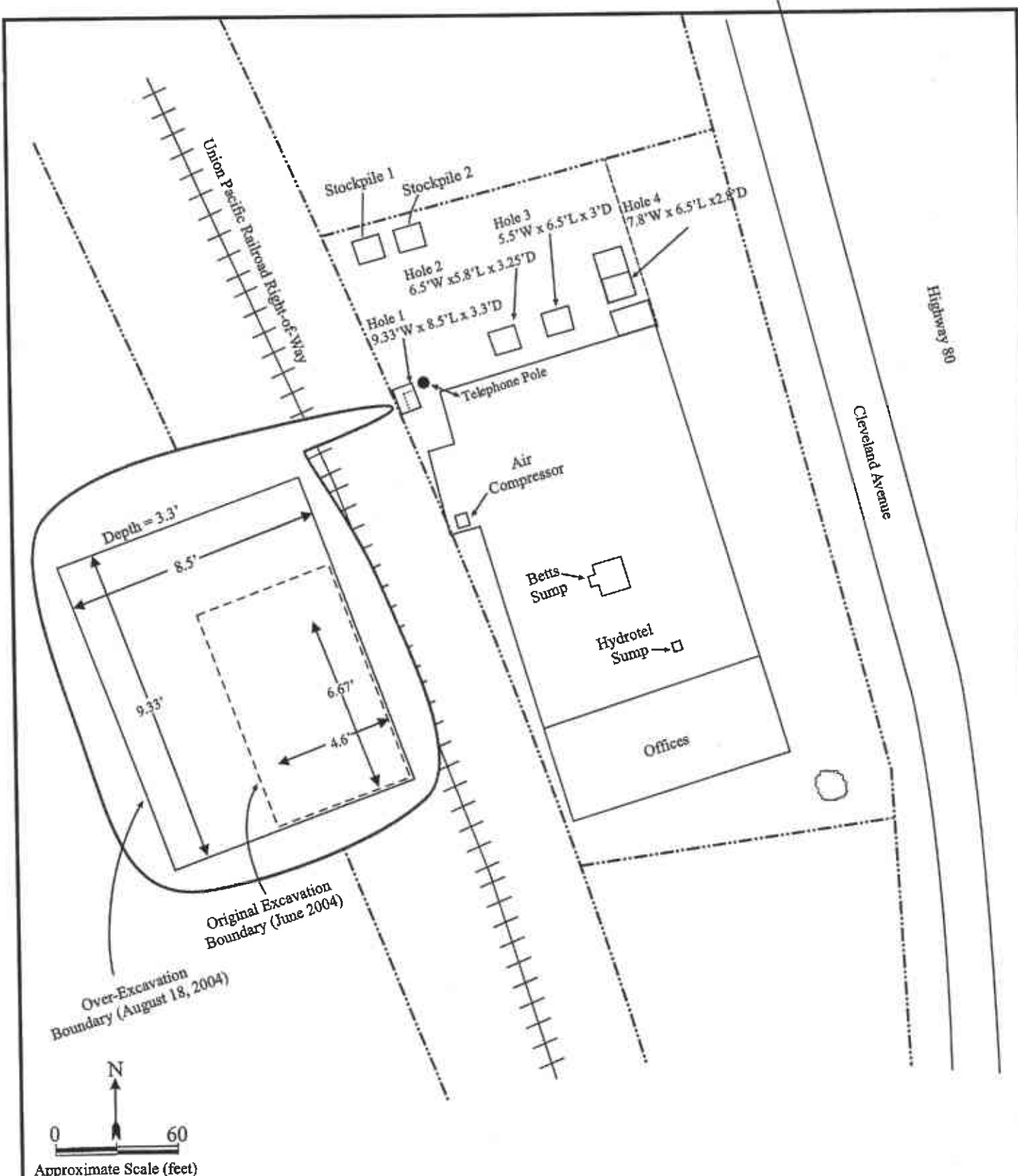



LEGEND	
	Limit of Excavation
	Pre-Excavation Sample Location
	Confirmation Sample Location

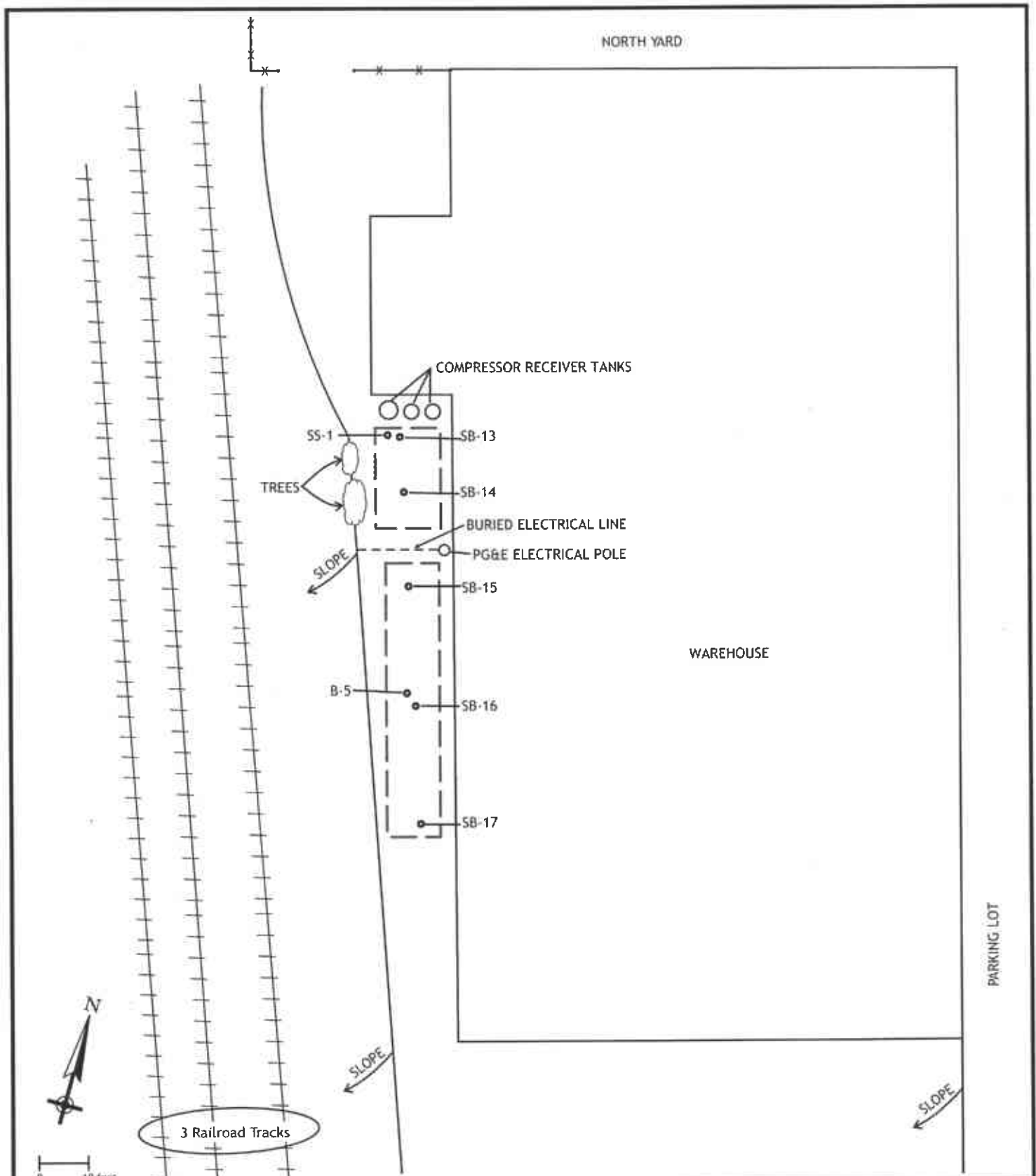
OFFICE AREA EXCAVATION
 GE Healthcare – Caral Division
 578 Cleveland Avenue
 Albany, California
 Clayton Project No. 70-04583.01.009

Figure
5
 05/24/05





LEGEND	NORTH YARD EXCAVATIONS	FIGURE	
<p>----- Approximate Assessor Property Line</p>	<p>GE Healthcare Caral Division 578 Cleveland Avenue Albany, California Clayton Project No. 70-04583.01.009</p>	<p>6</p>	






LEGEND  Areas Excavated to 3 Feet Deep  Fence	Excavation West of Warehouse	FIGURE	
	GE Healthcare Caral Division 578 Cleveland Avenue Albany, California Clayton Project No. 33104-004583.04	3	

TABLE 2
Summary of Soil Analytical Results-Total Petroleum Hydrocarbons
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	Sample Depth (ft bgs)	TPH-g [C7-C12] (mg/Kg)	TPH-d [C10-C24] (mg/Kg)	TPH-mo [C24-C36] (mg/Kg)
SB-1-1'	5/25/2006	1	< 1.1	< 0.99	< 5.0
SB-1-3'	2/16/2006	3	< 1.1	< 1.0	< 5.0
SB-1-6'	2/16/2006	6	< 0.98	1.7	7.9
SB-2-1.5	5/26/2006	1.5	< 1.1	220	500
SB-2-3'	2/16/2006	3	< 1.1	54	110
SB-2-6'	2/16/2006	6	< 1.1	1.3	11
SB-3-1'	5/25/2006	1	< 1.0	38	120
SB-3-3'	2/16/2006	3	< 1.1	66	93
SB-3-6'	2/16/2006	6	< 0.95	< 1.0	< 5.0
SB-4-2'	5/25/2006	2	< 0.99	3.5	7.9
SB-4-3'	2/16/2006	3	< 0.93	2.1	< 5.0
SB-4-6'	2/16/2006	6	< 1.0	3.6	15
SB-5-1.5'	5/25/2006	1.5	2.8	280	250
SB-5-3'	2/16/2006	3	< 1.0	2.2	< 5.0
SB-5-6'	2/16/2006	6	< 1.1	< 1.0	< 5.0
SB-6-1.5'	5/25/2006	1.5	< 1.1	4.9	14
SB-6-3'	2/16/2006	3	< 1.0	3.0	< 5.0
SB-6-6'	2/16/2006	6	< 1.0	3.9	14
SB-7-3'	2/16/2006	3	< 1.0	2.0	< 5.0
SB-7-6'	2/16/2006	6	< 1.1	1.6	7.3
SB-8-3'	2/16/2006	3	< 1.0	2.3	< 5.0
SB-8-6'	2/16/2006	6	< 1.1	1.6	< 5.0
SB-9-3'	2/16/2006	3	< 1.1	2.5	< 5.0
SB-9-6'	2/16/2006	6	< 1.1	1.8	< 5.0
SB-12-30'	2/17/2006	30	< 1.1	3.0	16
Residential ESL			100	100	500
Commercial/Industrial ESL			100	100	1,000

Notes:

- 1) All samples were analyzed by EPA Method 8015B w/silica gel cleanup by EPA Method 3630C.
- 2) TPH-g = C7-C12 = petroleum hydrocarbon chains in the gasoline range with 7-12 carbons
 TPH-d = C10-C24 = petroleum hydrocarbon chains in the diesel range with 10-24 carbons
 TPH-mo = C24-C36 = petroleum hydrocarbon chains in the motor oil range with 24-36 carbons
- 3) mg/Kg = milligrams per kilogram or parts per million (by weight).
- 4) ft bgs = feet below ground surface.
- 5) Bold concentrations were detected above the reporting limit.
- 6) < 1.0 indicates the analyte was not detected at or above the reporting limit of 1.0 mg/Kg.
- 7) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.

TABLE 1
Soil Samples Collected During May 2004 Phase I Update that Exceeded RWQCB ESLs
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample Number and Depth of Sample	TPH-g (mg/kg)	TPH-d (mg/kg)	cis-1,2-DCE (mg/kg)	TCE (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
North Yard													
B-1-1.75'	<1.0	<1.0	<0.2	<0.25	<5	<0.05	15	3.1	6.9	4.8	18	41	27
B-2-1.25'	1,800	5,300	5.8	29	<5	<0.5	53	8.5	1.3	3.8	46	<25	13
B-2-1.75'	170	140	9.1	14	5.4	<0.5	23	5.5	1.9	2.5	23	<25	12
B-3-1.0'	<1.0	<1.0	<0.2	<0.2	<5	<0.5	13	4	6.7	3.3	9.2	11	19
B-4-1.5'	26	82	<0.4	<0.4	<5	<0.5	100	37	34	2,200	220	<25	52
B-4-5.0'	<1.0	3.5	<0.4	<0.4	<5	<0.5	120	46	5.8	22	240	<25	60
B-9-1.25'	8	1,400	<0.2	<0.2	<5	<0.5	260	23	24	6.2	200	<5	11
B-9-2.5'	<1.0	27	<0.2	<0.2	<5	<0.5	33	11	3.2	6.1	28	<5	14
B-10-1.5'	<1.0	17	<0.2	<0.2	<5	<0.5	270	23	32	<1.0	220	<5	12
B-10-3.0'	11	8.2	<0.2	<0.2	<5	<0.5	77	11	<0.5	2.8	66	5.9	14
West of Warehouse													
SS-1	<2.0	66	<0.2	<0.2	<5	12	410	14	280	630	250	24	4,900
B-5-1.5'	<1.0	<1.0	<0.4	<0.4	2,200	3.5	8.6	<0.5	<0.5	3.2	<1.0	<25	<1
B-5-5.0'	<1.0	<1.0	<0.4	<0.4	<5	<0.5	290	26	34	3.8	200	<25	30
Other Area Onsite													
B7-1.5'	<1.0	1.8	<0.2	<0.2	<5	<0.05	20	16	3.7	6.4	14	<5	15
Residential ESL (Note 3)	100	100	0.19	0.46	5.50	1.67	58	10.48	225	150	150	1	600
Commercial/ Industrial ESL (Note 4)	100	100	0.19	0.46	5.50	7.40	58	10.48	225	750	150	12.66	600

Note 1: Soil Samples were collected by ERM in October 2001 and February 2002 at the GE Caral Site. Results were provided in May 2004 Phase I Update Report.

Note 2: Items in boldface exceed the RWQCB ESL.

Note 3: Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) in shallow soil at residential sites, February 2005. For comparison purposes only since the site is not zoned nor intended to have residential receptors onsite.

Note 4: RWQCB ESL in shallow soil at industrial sites, February 2005.

LEGEND

cis-1,2-DCE = cis-1,2-dichloroethene

PCBs = polychlorinated biphenyls

TCE = trichloroethene

TPH = total petroleum hydrocarbons; TPH-d = TPH as diesel, TPH-g = TPH as gasoline

Table 7
Summary of Pre-Excavation Analytical Data
TPH as Motor Oil and Total Oil and Grease in Soil Borings
GE Caral
578 Cleveland Avenue
Albany, CA

Sample ID/Depth (in feet)	Date Sampled	TPH-Diesel (mg/kg)	TPH-Diesel w/silica gel cleanup (mg/kg)	TPH-Motor Oil (mg/kg)	TPH-Motor Oil w/silica gel cleanup (mg/kg)	Total Oil and Grease (mg/kg)*
HS-1/3.5 - 4	6/17/2004	NA	NA	NA	NA	20,000**
HS-2/3.5 - 4	6/17/2004	NA	NA	NA	NA	38,000**
HS-3/3.5 - 4	6/17/2004	NA	NA	NA	NA	3,100**
HS-4/3.5 - 4	6/17/2004	NA	NA	NA	NA	22,000**
HS-5/3.5 - 4	7/22/2004	3.9 H Y	3.2 H Y	7.6	< 5.0	16
HS-5/5 - 5.5	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	32
HS-6/3.5 - 4	7/22/2004	1.2 H Y	< 1.0	< 5.0	< 5.0	40
HS-6/5.5 - 6	7/22/2004	140 H Y	120 H Y	390	240	320
HS-7/3.5 - 4	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	23
HS-7/5.5 - 6	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	14
HS-8/3.5 - 4	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	31
HS-8/6 - 6.5	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	56
HS-8/6.5 - 7	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	30
HS-9/3.5 - 4	7/22/2004	70 H Y	66 H Y	99	95	120
HS-9/5.5 - 6	7/22/2004	12 H Y	12 H Y	18	19	70
HS-10/3.5 - 4	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	57
HS-10/4.5 - 5	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	23
HS-11/3.5 - 4	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	75
HS-11/5.5 - 6	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	14
HS-12/3.5 - 4	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	59
HS-12/5.5 - 6	7/22/2004	< 1.0	< 1.0	< 5.0	< 5.0	37
HS-13/3.5 - 4	7/22/2004	15 H Y	13 H Y	18	17	44
HS-13/5.5 - 6	7/22/2004	1,600 H Y	1,500 H Y	1,500	1,400	2,100**
HS-14/3.5 - 4	7/22/2004	89 H Y	89 H Y	110	120	71
HS-14/5.5 - 6	7/22/2004	3.9 H Y	4.1 H Y	< 5.0	5.8	< 10
HS-15/3.5 - 4	7/22/2004	110 H Y	110 H Y	180	170	100
HS-15/6 - 6.5	7/22/2004	7.9 H Y	8.0 H Y	11	12	20
HS-16/3.5 - 4	7/22/2004	450 H Y	440 H Y	1,000	1,000	710
HS-16/5.5 - 6	7/22/2004	53 H Y	55 H Y	46	51	50
Soil ESL - Industrial (mg/kg)		100	100	1,000	1,000	100**
Soil ESL - Residential (mg/kg)		100	100	500	500	100**
PRG - Industrial (mg/kg)		---	---	---	---	---
PRG - Residential (mg/kg)		---	---	---	---	---

* - Total Oil and Grease Samples taken from 0.5 feet above their sampling depths.
 ** - There is no regulatory standard for oil and grease. TPH (middle distillates) has an established ESL of 100 mg/kg for both industrial and residential use. They are used here for comparison purposes only for total oil and grease.
 mg/kg = milligrams per kilogram
 TCE = Trichloroethene
 cis-1,2-DCE = cis-1,2-Dichloroethene
 H = heavier hydrocarbons contributed to the lab's quantitation
 Y = sample exhibits chromatograph pattern which does not resemble standard
 NA = not analyzed
 PRG = Preliminary Remediation Goal (USEPA, 2002)
 ESL = Environmental Screening Levels
 --- Denotes no established ESL or PRG

Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume I, Summary Tier I Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003

1 - Appendix 1, ESL Table F-1a for Groundwater as Current or Potential Drinking Water Source. Final ESL is the lowest of ceiling value, drinking water, indoor air, and aquatic habitat impact goals.

Table 8
Warehouse Excavation Soil Samples
Total Petroleum Hydrocarbon (TPH)
GE Caral
578 Cleveland Avenue
Albany, CA

Sample ID/Depth (in feet)	Date Sampled	TPH-Diesel w/silica gel cleanup (mg/kg)	TPH-Motor Oil w/silica gel cleanup (mg/kg)
SW-1	10/26/2004	<1.0	<5.0
SW-2	10/26/2004	<1.0	<5.0
SW-3	10/26/2004	<1.0	<5.0
SW-4	10/26/2004	9.8 H Y	35
SW-5	10/26/2004	<1.0	<5.0
HS-1C	10/26/2004	100 H Y	120
HS-1C2	10/29/2004	110 H Y	74
HS-1C3	11/9/2004	58 H Y	38 L Y
HS-2C	10/26/2004	360 H Y	430
HS-2C2	10/29/2004	470 H Y	420
HS-2C3	11/9/2004	120 H Y	77 L Y
HS-2C4	12/14/2004	28 H Y	NA
HS-4C	10/26/2004	1,100 H Y	1,900
HS-4C2	10/29/2004	1,000 H Y	1,200
HS-4C3	11/9/2004	120 H Y	93 L Y
HS-4C4	12/14/2004	49 H Y	NA
SS-1	10/26/2004	1.3 H Y	<5.0
SSC-1	10/26/2004	<1.0	<5.0
SS-2A	10/29/2004	8,600 H Y	6,800
<i>Soil ESL - Industrial (mg/kg)</i>		100	1,000
<i>Soil ESL - Residential (mg/kg)</i>		100	500
<i>PRG - Industrial (mg/kg)</i>		---	---
<i>PRG - Residential (mg/kg)</i>		---	---

mg/kg = milligrams per kilogram
 H = heavier hydrocarbons contributed to the lab's quantitation
 Y = sample exhibits chromatograph pattern which does not resemble standard
 NA = not analyzed
 PRG = Preliminary Remediation Goal (USEPA, 2002)
 ESL = Environmental Screening Levels
 --- Denotes no established ESL or PRG
 Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume I, Summary Tier I Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003

1 - Appendix 1, ESL Table F-1a for Groundwater as Current of Potential Drinking Water Source. Final ESL is the lowest of ceiling value, drinking water, indoor air, and aquatic habitat impact goals.

Table 9
Office Area Soil Samples
Total Petroleum Hydrocarbon (TPH)
GE Caral
578 Cleveland Avenue
Albany, CA

Sample ID/Depth (in feet)	Date Sampled	TPH-Diesel w/silica gel cleanup (mg/kg)	TPH-Motor Oil w/silica gel cleanup (mg/kg)
PRE-EXCAVATION SAMPLES			
SS-2	10/26/2004	10,000 H Y	11,000 L
SS-2A	10/29/2004	8,600 H Y	6,800
OC-1	11/9/2004	9,900 H Y	11,000 L Y
OC-2	11/9/2004	3,100 H Y	3,300 L Y
OC-3	11/9/2004	5,800 H Y	6,800 L Y
OC-3A	11/9/2004	640 H Y	640 L Y
OC-4	11/9/2004	3,100 H Y	3,800 L Y
OC-5	11/9/2004	2.8 H Y	14 L Y
OC-6	11/9/2004	20 H Y	35 L Y
OC-7	11/9/2004	680 H Y	1,100 L Y
OC-8	11/9/2004	2,000 H Y	3,400 L Y
OC-9	11/9/2004	710 H Y	1,100 L Y
OC-10	11/9/2004	2,200 H Y	4,200 L Y
SAMPLES DURING EXCAVATION			
FT-01-2.5'	2/1/2005	2,200 H Y	1,400
FT-02-2.5'	2/1/2005	460 H Y	650
OCS-09-1'	3/9/2005	3,700 H Y	6,300
OCS-12-4.5'	3/31/2005	61 H Y	120 L
POST-EXCAVATION CONFIRMATION SAMPLES			
OCS-SW-01-2.0'	2/1/2005	< 0.99	< 5.0
OCS-SW-02-2.0'	2/2/2005	< 0.99	< 5.0
OCS-01-3.3'	1/31/2005	< 0.99	< 5.0
OCS-02-3.3'	2/1/2005	17	24
OCS-03-3.3'	2/1/2005	15	20
OCS-04-3.5'	2/2/2005	< 1.0	< 5.0
OCS-05-3.5'	2/2/2005	< 1.0	< 5.0
OCS-06-3.5'	2/2/2005	< 1.0	< 5.0
OCS-07-2.5'	2/2/2005	< 1.0	< 5.0
OCS-08-4'	3/9/2005	33 H Y	53
OCS-10-4'	3/15/2005	49 H Y	100
OCS-11-4.5'	3/24/2005	23 H Y	17
OCS-13-5.3'	4/5/2005	1.6 H Y	< 5.0
OCS-14-4'	5/20/2005	< 1.0	< 5.0
OCS-15-4'	5/20/2005	1.1 H Y	< 5.0
Soil ESL - Industrial (mg/kg)		100	1,000
Soil ESL - Residential (mg/kg)		100	500
PRG - Industrial (mg/kg)		---	---
PRG - Residential (mg/kg)		---	---

mg/kg = milligrams per kilogram
 H = heavier hydrocarbons contributed to the lab's quantitation
 Y = sample exhibits chromatograph pattern which does not resemble standard
 NA = not analyzed

PRG = Preliminary Remediation Goal (USEPA, 2002)
 ESL = Environmental Screening Levels

--- Denotes no established ESL or PRG

Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume I, Summary Tier I Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003

1 - Appendix 1, ESL Table F-1a for Groundwater as Current or Potential Drinking Water Source. Final ESL is the lowest of ceiling value, drinking water, indoor air, and aquatic habitat impact goals.

Table 11
Summary of Analytical Data
TPH, PCBs, VOCs, and SVOCs in Holes 1 through 4
GE Caral
578 Cleveland Avenue
Albany, CA

Sample ID/Former Boring ID	TPH-Gasoline (mg/kg)	TEPH-Diesel (mg/kg)	PCBs*	cis-1,2-DCE (mg/kg)
Hole 1/Former Boring B-4				
H1-North	< 1.1	140 H, Y	ND	<0.005
H1-East	< 0.95	88 H Y	ND	<0.005
H1-South	< 1.1	90 H Y	ND	<0.005
H1-West	< 1.0	1,900 H Y	ND	<0.005
H1-Base	< 1.0	2.8 H Y	ND	<0.005
H1-North Resample	NA	46 H Y	NA	NA
H1-North Resample2	NA	19 H Y	NA	NA
H1-West Resample	NA	13 H Y	NA	NA
Hole 2/Former Boring B-10				
H2-North	<1.1	<1.0	ND	<0.005
H2-East	<1.0	<1.0	ND	<0.005
H2-South	<1.0	1.6 H Y	ND	<0.005
H2-West	<0.91	4.9 H Y	ND	<0.005
H2-Base	<0.99	5.4 H Y	ND	<0.005
Hole 3/Former Boring B-2				
H3-North	<1.1	<1.0	ND	<0.005
H3-East	<1.1	32 H Y	ND	<0.005
H3-South	<0.98	15 H Y	ND	<0.005
H3-West	<1.1	<1.0	ND	<0.005
H3-Base	<0.91	<0.99	ND	0.031
Hole 4/Former Boring B-9				
H4-North	<1.1	<1.0	ND	<0.005
H4-East	<0.93	<1.0	ND	<0.005
H4-South	<1.1	8.0 H Y	ND	<0.005
H4-West	<1.0	<0.99	ND	0.0052
H4-Base	<1.1	<1.0	ND	<0.005
Sidewall 2/Former Boring B-10	<1	12 H, Y	ND	0.011
Sidewall 3/Former Boring B-2	<1	<0.99	ND	<0.005
Sidewall 4/Former Boring B-9	<1	<0.99	ND	<0.005
CP-1/3.5 - 4 (Former Boring B-9)	NS	<0.99 B	ND	0.02
Composite 1 (from soil stockpile #1)	<0.98	67 H, Y	ND	<0.0047
Composite 2 (from soil stockpile #2)	<0.97	130 H	ND	<0.0048
Soil Final ESL - Industrial	100	100	0.74	0.19
Soil Final ESL - Residential	100	100	0.22	0.19
Preliminary Remediation Goal - Ind.	---	---	0.74	150
Preliminary Remediation Goal - Res.	---	---	0.22	4.3

Bold result (e.g., 130) = Sample result exceeds established screening level
 TPH = Total Petroleum Hydrocarbons
 TEPH = Total Extractible Petroleum Hydrocarbons (Note, diesel was analyzed using silica gel cleanup)
 mg/kg = milligrams per kilogram
 B = analyzed after hold time; this analysis was not on the original chain of custody request. It was analyzed later to be consistent with other sample points.

H = Heavier hydrocarbons contributed to the quantitation
 Y = Sample exhibits chromatographic pattern which does not resemble standard
 cis-1,2-DCE = cis-1,2-Dichloroethene
 TCE = Trichloroethene
 PRG = Preliminary Remediation Goal (USEPA, 2002)
 ESL = Environmental Screening Levels
 --- Denotes no established ESL or PRG
 Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Volume I, Summary Tier I Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003

1 - TPH (middle distillates) has an established ESL, but there is no ESL for diesel fuel specifically.
 2 - Appendix I, ESL Table F-1a for Groundwater as Current of Potential Drinking Water Source. Final ESL is the lowest of ceiling value, drinking water, indoor air, and aquatic habitat impact goals. Composite 3 was put on hold and not analyzed. The soil from hole #4 was added to stockpile #2 since the soil contained similar materials based on visual inspection. CP-1 was collected from the area of hole #4 before the excavation. Therefore, the results of CP-1 and Composite 2 will be used to evaluate stockpile 2 for waste disposal purposes.

*** - Detection Limits for PCBs:**

Aroclor - 1016	0.012 - 0.024 mg/kg
Aroclor - 1221	0.024 - 0.048 mg/kg
Aroclor - 1232	0.012 - 0.024 mg/kg
Aroclor - 1242	0.012 - 0.024 mg/kg
Aroclor - 1248	0.012 - 0.024 mg/kg
Aroclor - 1254	0.012 - 0.024 mg/kg
Aroclor - 1260	0.012 - 0.024 mg/kg

Ind. PRG Aroclor 1016 = 21 mg/kg

Res. PRG Aroclor 1016 = 3.9 mg/kg

TABLE 3
Summary of Soil Analytical Results-Volatile Organic Compounds
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Methylene Chloride See Note 9 (ug/Kg)	cis-1,2-Dichloroethene (ug/Kg)	Trichloroethene (ug/Kg)	Acetone (ug/Kg)	Methyl Ethyl Ketone or 2-Butanone (ug/Kg)
SB-1-1'	5/25/2006	1	< 18	< 4.5	< 4.5	< 22	< 8.9
SB-1-3'	2/16/2006	3	28	< 4.9	< 4.9	< 20	< 9.8
SB-1-6'	2/16/2006	6	< 19	< 4.6	< 4.6	< 19	< 9.3
SB-2-1.5	5/26/2006	1.5	< 18	< 4.5	< 4.5	230	25
SB-2-3'	2/16/2006	3	31	< 4.7	< 4.7	< 19	< 9.4
SB-2-6'	2/16/2006	6	28	< 4.6	< 4.6	< 19	< 9.3
SB-3-1'	5/25/2006	1	< 20	< 4.9	< 4.9	< 25	< 9.8
SB-3-3'	2/16/2006	3	42	< 4.8	< 4.8	< 19	< 9.6
SB-3-6'	2/16/2006	6	41	< 4.6	< 4.6	< 19	< 9.3
SB-4-2'	5/25/2006	2	< 17	< 4.3	< 4.3	< 22	< 8.6
SB-4-3'	2/16/2006	3	35	< 5.0	< 5.0	< 20	< 10
SB-4-6'	2/16/2006	6	30	< 5.0	< 5.0	< 20	< 10
SB-5-1.5'	5/25/2006	1.5	< 19	29	25	< 23	< 9.3
SB-5-3'	2/16/2006	3	32	54	5.1	< 19	< 9.6
SB-5-6'	2/16/2006	6	30	32	< 4.7	< 19	< 9.4
SB-6-1.5	5/25/2006	1.5	< 19	8.6	6.2	< 24	< 9.4
SB-6-3'	2/16/2006	3	45	33	81	< 19	< 9.6
SB-6-6'	2/16/2006	6	37	66	< 25	< 20	< 9.8
SB-7-3'	2/16/2006	3	< 19	5.1	< 4.6	< 19	< 9.3
SB-7-6'	2/16/2006	6	33	32	11	< 19	< 9.3
SB-8-3'	2/16/2006	3	45	< 4.5	< 4.5	< 19	< 8.9
SB-8-6'	2/16/2006	6	55	< 4.7	< 4.7	< 19	< 9.4
SB-9-3'	2/16/2006	3	31	< 4.6	< 4.6	< 19	< 9.3
SB-9-6'	2/16/2006	6	50	5.1	< 4.7	< 19	< 9.4
SB-12-30'	2/17/2006	30	<19	< 4.8	< 4.8	< 19	< 9.6
Residential ESL			77	187	260	504	3,900
Commercial/Industrial ESL			77	187	457	504	3,900

Notes:

- 1) All samples were analyzed by EPA Method 8260.
- 2) Only results above detection limit are shown. All other VOCs analyzed with EPA Method 8260 were below the respective reporting/detection limits.
- 3) ug/Kg = micrograms per kilogram or parts per billion (by weight).
- 4) ft bgs = feet below ground surface.
- 5) Bold concentrations were detected above the reporting limit.
- 6) < 4.9 indicates the analyte was not detected at or above the reporting limit of 4.9 ug/Kg.
- 7) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.
- 8) N/A = Not Applicable - there is no applicable ESL for this analyte.
- 9) The laboratory confirmed that the methylene chloride detections were a laboratory contaminant that occurred during extraction of the samples for the 8015B analyses.

Table 5
Summary of Pre-Excavation Analytical Data
Hydrocarbons, PCBs, VOCs, SVOCs in Soil Borings
GE Caral
578 Cleveland Avenue
Albany, CA

Sample ID/Depth (in feet)	Date Sampled	TPH-Diesel (mg/kg)	TPH-Diesel w/silica gel cleanup (mg/kg)	TPH-Motor Oil (mg/kg)	TPH-Motor Oil w/silica gel cleanup (mg/kg)	Total Oil and Grease (mg/kg)*	PCBs***	cis-1,2-DCE (mg/kg)	TCE (mg/kg)	Acetone (mg/kg)	Phenanthrene (mg/kg)	Fluoranthene (mg/kg)	Pyrenes (mg/kg)	Benzo(a)anthracene (mg/kg)	Chrysene (mg/kg)	Fluorene (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(a)pyrene (mg/kg)
BS-1/4 - 4.5	6/17/2004	NA	NA	NA	NA	43	ND	<0.0049	<0.0049	<0.02	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.34	<0.067	<0.067
BS-2/4 - 4.5	6/17/2004	NA	NA	NA	NA	NA	ND	<0.005	<0.005	<0.02	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.066
BS-3/4 - 4.5	6/17/2004	NA	NA	NA	NA	61	ND	<0.005	<0.005	<0.02	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067
BS-4/4 - 4.5	6/17/2004	NA	NA	NA	NA	44	ND	<0.0048	<0.0048	<0.019	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067
HS-1/3.5 - 4	6/17/2004	NA	NA	NA	NA	20,000**	ND	<0.0049	<0.0049	0.054	<0.66	<0.66	<0.66	<0.66	<0.66	0.88	17.0	<0.66	<0.66
HS-2/3.5 - 4	6/17/2004	NA	NA	NA	NA	38,000**	ND	<0.0048	<0.0048	0.026	<0.067	<0.067	<0.067	<0.067	<0.067	0.088	2.0	<0.067	<0.067
HS-3/3.5 - 4	6/17/2004	NA	NA	NA	NA	3,100**	ND	<0.0047	<0.0047	<0.019	<0.067	<0.067	<0.067	<0.067	<0.067	0.087	<0.33	<0.067	<0.067
HS-4/3.5 - 4	6/17/2004	NA	NA	NA	NA	22,000**	ND	<0.023	<0.023	0.29	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Soil ESL - Industrial (mg/kg)		100	100	1,000	1,000	100**	0.22	0.19	0.26	0.24	11	40	85	0.38	13	8.9	---	0.38	0.038
Soil ESL - Residential (mg/kg)		100	100	500	500	100**	0.74	0.19	0.46	0.24	11	40	85	1.3	3.8	8.9	---	1.3	0.13
PRG - Industrial (mg/kg)		---	---	---	---	---	---	150	0.11	6,000	NA	22,000	29,000	2.1	310	26,000	---	2.1	0.062
PRG - Residential (mg/kg)		---	---	---	---	---	---	4.3	0.053	1,600	NA	2,300	2,300	0.62	62	2,700	---	0.62	0.21

* - Total Oil and Grease Samples taken from 0.5 feet above the sampling depths.
 ** - There is no regulatory standard for oil and grease. TPH (middle distillates) has an established ESL of 100 mg/kg for both industrial and residential use. They are used here for comparison purposes only for total oil and grease.
 mg/kg = milligrams per kilogram
 TCE = Trichloroethene
 cis-1,2-DCE = cis-1,2-Dichloroethene
 H = heavier hydrocarbons contributed to the lab's quantitation
 Y = sample exhibits chromatograph pattern which does not resemble standard
 NA = not analyzed
 PRG = Preliminary Remediation Goal (USEPA, 2002)
 ESL = Environmental Screening Levels
 --- Denotes no established ESL or PRG
 Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume I, Summary Tier 1 Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003

*** - Detection Limits for PCBs:
 Aroclor - 1016 0.0095 mg/kg
 Aroclor - 1221 0.019 mg/kg
 Aroclor - 1232 0.0095 mg/kg
 Aroclor - 1242 0.0095 mg/kg
 Aroclor - 1248 0.0095 mg/kg
 Aroclor - 1254 0.0095 mg/kg
 Aroclor - 1260 0.0095 mg/kg

Ind. PRG Aroclor 1016 = 21
 Res. PRG Aroclor 1016 = 3.9

1 - Appendix I, ESL Table F-1a for Groundwater as Current of Potential Drinking Water Source. First ESL is the lowest of ceiling value, drinking water, indoor air, and aquatic habitat impact goals.

Table 4
Semi-volatile Organic Compound and PCBs Detected
Caral Manufacturing Facility
Albany, CA

	Bis (2-ethylhexyl)				
	phthalate	Pentachlorophenol	PCB-1254 ^a	PCB-1260 ^a	PCB-1268 ^a
<i>Soil-Industrial Final ESL</i>	66	5	0.74	0.74	0.74
<i>Soil-Residential Final ESL</i>	66	4.4	0.22	0.22	0.22
	Units	mg/kg	mg/kg	ug/kg	ug/kg
SS-1		<25	<25	<20	210
B1-1.75		<0.50	<0.50	<20	<20
B1-5.5		<0.50	<0.50	<20	<20
B2-1.25		<5.0	<5.0	<20	25
B2-1.75		<0.50	<0.50	31	<20
B2-3.5		0.70	<0.50	<20	<20
B3-1.0		<0.50	<0.50	<20	<20
B4-1.5		<0.50	<0.50	<20	74
B4-5.0		<0.50	<0.50	<20	35
B5-1.5		<0.50	<0.50	<20	<20
B5-5.0		<0.50	<0.50	<20	<20
B6-1.25		<0.50	<0.50	<20	<20
B7-1.5		<0.50	<0.50	<20	<20
B8-1.5		<0.50	<0.50	<20	<20
B9-1.25		<0.50	<0.50	<20	<20
B9-2.5		<0.50	<0.50	<20	<20
B10-1.5		<0.50	<0.50	<20	<20
B10-3.0		<0.50	<0.50	<20	<20

Ground Water	Bis (2-ethylhexyl)				
	phthalate	Pentachlorophenol	PCB-1254	PCB-1260	PCB-1268
<i>Final ESL^b</i>	4	1.0	0.014	0.014	0.014
	Units	ug/l	ug/l	ug/l	ug/l
B4-W		<10	210	<0.53	<0.53

mg/kg= milligrams per kilogram

ug/kg= micrograms per kilogram

ug/l= micrograms per liter

PCB = Polychlorinated biphenyl

< = less than

— Denotes no established ESL

RWQCB

Regional Water Quality Control Board (San Francisco Bay) has developed the Environmental Screening Values (ESLs) the San Francisco Bay Area (<http://www.swrcb.ca.gov/rwqcb2/esl.htm>)

Industrial Final ESL -

Final Environmental Screening Level is lowest of ceiling value (nuisance concerns etc.), ecotoxicity, direct-exposure, indoor-air impact, and leaching screening levels.

Appendix 1, ESL Table A-2, Shallow soils, (< 3 meters bgs) commercial/industrial land use where ground water is a current or potential source of drinking water

Residential Final ESL -

Final Environmental Screening Level is lowest of ceiling value (nuisance concerns etc.), ecotoxicity, direct-exposure, indoor-air impact, and leaching screening levels.

Appendix 1, ESL Table A-1, Shallow soils, (< 3 meters bgs) residential land use where ground water is a current or potential source of drinking water

a - ESL for polychlorinated biphenyls does not distinguish between the various types of PCBs.

b - Appendix 1, ESL Table F-1a for Groundwater as Current or Potential Drinking Water Source. Final ESL is the lowest of ceiling value, drinking water, indoor air and aquatic habitat impact goals

TABLE 5
Summary of Soil Analytical Results-Polychlorinated Biphenyls
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Aroclor - 1016 (ug/Kg)	Aroclor - 1221 (ug/Kg)	Aroclor - 1232 (ug/Kg)	Aroclor - 1242 (ug/Kg)	Aroclor - 1248 (ug/Kg)	Aroclor - 1254 (ug/Kg)	Aroclor - 1260 (ug/Kg)
SB-13-1'	5/25/2006	1	< 12	< 24	< 12	< 12	< 12	< 12	< 12
SB-13-3'	2/17/2006	3	< 9.5	< 19	< 9.5	< 9.5	< 9.5	< 9.5	< 9.5
SB-13-6'	2/17/2006	6	< 9.6	< 19	< 9.6	< 9.6	< 9.6	< 9.6	< 9.6
SB-14-1'	5/25/2006	1	< 12	< 24	< 12	< 12	< 12	< 12	< 12
SB-14-3'	2/17/2006	3	< 9.7	19	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7
SB-14-6'	2/17/2006	6	< 9.6	< 19	< 9.6	< 9.6	< 9.6	< 9.6	< 9.6
SB-15-1'	5/25/2006	1	< 12	< 24	< 12	< 12	< 12	< 12	36
SB-15-3	2/17/2006	3	< 9.6	< 19	< 9.6	< 9.6	< 9.6	< 9.6	< 9.6
SB-15-6'	2/17/2006	6	< 12	< 24	< 12	< 12	< 12	< 12	< 12
SB-16-1'	5/25/2006	1	< 12	< 24	< 12	< 12	< 12	< 12	< 12
SB-16-3'	2/17/2006	3	< 9.5	< 19	< 9.5	< 9.5	< 9.5	< 9.5	< 9.5
SB-16-6'	2/17/2006	6	< 9.6	< 19	< 9.6	< 9.6	< 9.6	< 9.6	< 9.6
SB-17-1.5	5/25/2006	1.5	< 12	< 24	< 12	< 12	< 12	< 12	< 12
SB-17-3'	2/17/2006	3	< 9.5	< 19	< 9.5	< 9.5	< 9.5	< 9.5	< 9.5
SB-17-6'	2/17/2006	6	< 9.6	< 19	< 9.6	< 9.6	< 9.6	< 9.6	< 9.6
Residential ESL			221	221	221	221	221	221	221
Commercial/Industrial ESL			7,436	7,436	7,436	7,436	7,436	7,436	7,436

Notes:

- 1) All samples were analyzed by EPA method 8082.
- 2) ug/Kg = micrograms per kilogram or parts per billion (by weight).
- 3) ft bgs = feet below ground surface.
- 4) Bold concentrations were detected above the reporting limit.
- 5) < 9.5 indicates the analyte was not detected at or above the reporting limit of 9.5 ug/Kg.
- 6) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.

TABLE 4
Summary of Soil Analytical Results-Total Metals
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Antimony (mg/Kg)	Arsenic (mg/Kg)	Barium (mg/Kg)	Beryllium (mg/Kg)	Cadmium (mg/Kg)	Total Chromium (mg/Kg)	Cobalt (mg/Kg)	Copper (mg/Kg)	Lead (mg/Kg)	Mercury (mg/Kg)	Molybdenum (mg/Kg)	Nickel (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Thallium (mg/Kg)	Vanadium (mg/Kg)	Zinc (mg/Kg)
SB-1-1.0	5/25/2006	1	< 3.0	2.0	74	0.65	< 0.25	26	5.8	4.3	3.8	0.021	< 1.0	21	< 0.25	< 0.25	< 0.25	25	13
SB-1-3'	2/16/2006	3	< 2.1	2.0	53	0.51	< 0.17	17	4.5	1.6	5.0	0.034	< 0.69	14	< 0.17	< 0.17	< 0.17	20	7.5
SB-1-6'	2/16/2006	6	< 2.6	1.9	240	0.86	0.43	18	2.0	2.9	11	0.036	1.0	85	< 0.22	< 0.22	< 0.22	28	12
SB-2-1.5	5/26/2006	1.5	3.6	3.0	230	0.48	< 0.28	18	6.7	24	81	0.51	1.1	14	0.54	< 0.28	< 0.28	24	170
SB-2-3'	2/16/2006	3	< 1.9	4.4	130	0.39	0.59	14	5.9	14	33	0.15	< 62	13	< 0.15	< 0.15	< 0.15	19	140
SB-2-6'	2/16/2006	6	< 2.3	2.2	60	0.34	< 0.20	22	3.9	4.3	4.3	0.023	< 0.78	16	< 0.20	< 0.20	< 0.20	25	13
SB-3-1'	5/25/2006	1	< 3.0	13	190	0.48	< 0.25	22	5.8	43	110	0.44	2.7	21	< 0.25	< 0.25	< 0.25	23	130
SB-3-3'	2/16/2006	3	< 2.4	10	780	0.53	0.41	16	6.4	43	230	0.38	2.5	21	< 0.20	< 0.20	< 0.20	24	110
SB-3-6'	2/16/2006	6	< 2.7	2.2	90	0.53	< 0.22	21	44	5.8	6.5	< 0.017	< 0.89	26	< 0.22	< 0.22	< 0.22	23	15
SB-4-2'	5/25/2006	2	< 3.0	2.9	53	0.65	< 0.27	42	8.1	8.9	5.0	< 0.020	< 1.0	32	< 0.27	< 0.27	< 0.27	31	21
SB-4-3'	2/16/2006	3	< 2.6	3.3	1,300	0.55	< 0.22	27	4.6	8.7	4.9	0.072	< 0.88	44	< 0.22	< 0.22	< 0.22	28	17
SB-4-6'	2/16/2006	6	< 2.5	2.3	39	0.32	< 0.21	24	1.4	1.5	2.4	0.063	< 0.83	13	< 0.21	< 0.21	< 0.21	15	7.3
SB-5-1.5'	5/25/2006	1.5	< 3.0	2.9	69	0.66	< 0.25	33	7.5	4.5	5.4	0.035	< 1.0	51	< 0.25	< 0.25	< 0.25	31	13
SB-5-3'	2/16/2006	3	< 2.1	3.8	95	0.82	< 0.18	28	5.3	2.8	5.5	0.024	< 0.70	20	< 0.18	< 0.18	< 0.18	33	11
SB-5-6'	2/16/2006	6	< 3.0	2.7	34	0.50	< 0.25	18	2.2	2.4	5.6	0.077	< 1.0	16	< 0.25	< 0.25	< 0.25	34	25
SB-6-1.5'	5/25/2006	1.5	< 3.0	2.2	85	0.47	< 0.25	38	8.6	10	4.6	0.039	< 1.0	41	< 0.25	< 0.25	< 0.25	26	18
SB-6-3'	2/16/2006	3	< 2.2	4.0	63	0.70	< 0.19	27	2.6	2.6	5.6	0.040	< 0.75	15	< 0.19	< 0.19	< 0.19	33	12
SB-6-6'	2/16/2006	6	< 2.1	1.5	91	0.33	< 0.17	15	1.4	1.3	5.1	0.050	< 0.88	11	< 0.17	< 0.17	< 0.17	27	17
SB-7-3'	2/16/2006	3	< 2.9	1.5	120	0.44	< 0.24	32	1.5	1.7	2.8	0.084	< 0.95	19	< 0.24	< 0.24	< 0.24	22	10
SB-7-6'	2/16/2006	6	< 2.5	1.7	110	0.54	< 0.20	9.9	1.0	0.71	4.1	0.033	< 0.82	9.5	< 0.20	< 0.20	< 0.20	27	12
SB-8-3'	2/16/2006	3	< 2.8	2.5	61	0.49	< 0.23	19	1.6	2.6	4.9	0.018	< 0.93	14	< 0.23	< 0.23	< 0.23	25	11
SB-8-6'	2/16/2006	6	< 3.1	2.0	120	0.42	< 0.26	11	1.2	3.7	5.7	< 0.018	< 1.0	10	< 0.26	< 0.26	< 0.26	25	19
SB-9-3'	2/16/2006	3	< 2.2	2.5	74	0.52	< 0.18	18	12	1.6	9.2	0.033	< 0.73	42	< 0.18	< 0.18	< 0.18	24	11
SB-9-6'	2/16/2006	6	< 3.3	2.7	59	0.63	< 0.27	22	3.8	3.0	4.2	< 0.021	< 1.1	17	< 0.27	< 0.27	< 0.27	29	13
SB-12-30'	2/17/2006	30	< 1.8	1.9	46	1.0	0.19	78	4.2	11	9.5	0.088	0.83	11	< 0.15	< 0.15	< 0.15	22	34
SB-13-1'	5/25/2006	1	< 3.0	4.6	370	0.43	< 0.25	18	9.8	37	100	1.3	< 1.0	17	1.2	< 0.25	< 0.25	24	170
SB-13-3'	2/17/2006	3	< 2.8	2.2	56	0.38	< 0.23	12	2.8	4.1	4.0	0.018	< 0.92	5.7	< 0.23	< 0.23	< 0.23	20	7.4
SB-13-6'	2/17/2006	6	< 2.4	2.1	63	0.5	< 0.20	14	6.4	3.5	4.9	< 0.019	< 0.81	12	< 0.20	< 0.20	< 0.20	21	12
SB-14-1	5/25/2006	1	8.3	3.9	180	0.39	1.2	59	14	120	720	0.19	5.9	29	0.27	5.2	< 0.25	23	210
SB-14-3'	2/17/2006	3	< 2.1	3.4	100	0.56	< 0.18	14	11	3.1	5.4	0.067	< 0.70	8.9	< 0.18	< 0.18	< 0.18	24	9.2
SB-14-6'	2/17/2006	6	< 2.6	1.9	68	0.52	< 0.21	19	3.4	4.2	4.8	0.03	< 0.85	13	< 0.21	< 0.21	< 0.21	20	17
SB-15-1'	5/25/2006	1	< 3.0	3.2	140	0.46	0.3	22	7.6	78	210	0.16	< 1.0	20	< 0.25	0.86	< 0.25	26	97
SB-15-3'	2/17/2006	3	< 1.7	1.8	77	0.34	< 0.14	13	2.4	3.3	3.8	0.13	< 0.58	5.7	< 0.14	< 0.14	< 0.14	20	6.9
SB-15-6'	2/17/2006	6	< 2.7	5.5	230	0.89	< 0.23	10	6.1	7.6	62	< 0.019	< 0.91	16	< 0.23	< 0.23	< 0.23	32	44
SB-16-1	5/25/2006	1	< 3.0	2.8	210	0.53	< 0.25	15	22	13	18	0.05	< 1.0	14	1.1	< 0.25	< 0.25	24	81
SB-16-3'	2/17/2006	3	< 2.9	1.4	92	0.3	< 0.24	14	3.1	3.2	3.5	< 0.015	< 0.96	6.7	< 0.24	< 0.24	< 0.24	17	7.7
SB-16-6'	2/17/2006	6	< 2.3	2	54	0.5	< 0.19	17	4.8	3.5	4.0	< 0.016	< 0.77	17	< 0.19	< 0.19	< 0.19	22	14
SB-17-1.5	5/25/2006	1.5	< 3.0	4.2	180	0.48	0.65	13	12	44	43	0.076	< 1.0	12	< 0.25	< 0.25	< 0.25	22	290
SB-17-3'	2/17/2006	3	< 2.3	2	120	0.42	< 0.19	12	4.2	7.4	5.0	< 0.014	< 0.76	8.8	< 0.19	< 0.19	< 0.19	18	17
SB-17-6'	2/17/2006	6	< 2.6	2.4	51	0.32	< 0.22	23	2.1	5.7	4.3	0.021	< 0.88	17	< 0.22	< 0.22	< 0.22	27	14
Residential ESL			6.0	5.5	750	4	1.7	58	10.5	225	150	3.7	40	150	10	20	1.0	106.5	600
Commercial/Industrial ESL			40	5.5	1,500	8	7.4	58	10.5	225	750	10	40	150	10	40	12	200	600

Notes:

- 1) All samples were analyzed by EPA methods 6010B/7471A.
- 2) mg/kg = milligrams per kilogram or parts per million (by weight).
- 3) ft bgs = feet below ground surface.

- 4) Bold concentrations were detected above the reporting limit.
- 5) < 2.1 indicates the analyte was not detected at or above the reporting limit of 2.1 mg/Kg.
- 6) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.

Table 6
Summary of Pre-Excavation Analytical Data
Metals in Soil Borings Collected June 17, 2004
GE Caral
578 Cleveland Avenue
Albany, CA

Sample ID	Sample Method	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury ¹	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
HS-1 3.5-4'	Total Metals (mg/kg)	<2.8	5.5	49	1.4	<0.23	5.4	2.4	7.4	12	0.063	<0.93	13	0.5	<0.23	<0.23	20	29
	TCLP Leachate (mg/L)	<0.06	<0.5	0.43 b	0.0042	<0.005	<0.01	<0.01	<0.01	<0.3	<0.001	<0.02	<0.02	<0.5	<0.005	<0.5	<0.01	53 b
	STLC (mg/L)	<3	<0.25	1.9	<0.1	<0.23	<0.3	<1	<0.3	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1
HS-2 3.5-4'	Total Metals (mg/kg)	<2.6	2.4	59	0.74	<0.22	6.0	6.8	4.1	12	0.088	<0.87	15	0.34	<0.22	<0.22	14	24
	TCLP Leachate (mg/L)	<0.06	<0.5	0.55 b	0.0034	<0.005	<0.01	0.08	<0.01	<0.3	<0.001	<0.02	0.063	<0.5	<0.005	<0.5	<0.01	0.069 b
	STLC (mg/L)	<3	<0.25	2.2	<0.1	<0.23	<0.5	<1	<0.3	0.2	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1
HS-3 3.5-4'	Total Metals (mg/kg)	<2.9	1.8	32	0.82	<0.24	14	7.3	4.9	5	0.026	<0.95	14	0.54	<0.24	<0.24	20	17
	TCLP Leachate (mg/L)	<0.06	<0.5	0.61 b	0.0064	<0.005	<0.01	0.12	0.91 b	<0.3	<0.001	<0.02	0.044	<0.5	<0.005	<0.5	<0.01	0.075 b
	STLC (mg/L)	<3	<0.25	2.2	<0.1	<0.23	<0.5	<1	<0.3	0.22	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1
HS-4 3.5-4'	Total Metals (mg/kg)	<2.2	3.8	610	1.3	<0.18	5.4	2.7	6.5	11	0.039	<0.73	12	0.5	<0.18	<0.18	17	27
	TCLP Leachate (mg/L)	<0.06	<0.5	0.44 b	0.0071	<0.005	<0.01	0.05	0.015	<0.3	<0.001	<0.02	0.091	<0.5	<0.005	<0.5	<0.01	0.12 b
	STLC (mg/L)	<3	<0.25	1.4	<0.1	<0.23	<0.5	<1	<0.3	0.3	<0.001	<1	<1	<0.25	<0.25	<0.25	0.5	<1
BS-1 4-4.5	Total Metals (mg/kg)	<2.7	1.4	60	0.49	<0.23	16	3.1	2.6	3.3	0.026	<0.9	11	0.31	<0.23	<0.23	18	12
	TCLP Leachate (mg/L)	<0.06	<0.5	0.95	0.0028	<0.005	<0.01	<0.02	<0.01	<0.3	<0.001	<0.02	<0.02	<0.5	<0.005	<0.5	<0.01	0.088 b
	STLC (mg/L)	<3	<0.25	4.8	<0.1	<0.23	<0.5	<1	<0.3	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	0.5	<1
BS-2 4-4.5'	Total Metals (mg/kg)	<2.7	2	63	0.46	<0.23	19	5.3	6.7	3.5	0.034	<0.91	22	0.5	<0.23	<0.23	20	15
	TCLP Leachate (mg/L)	<0.06	<0.5	1.2	0.0027	<0.005	<0.01	<0.02	<0.01	<0.3	<0.001	<0.02	0.023	<0.5	<0.005	<0.5	<0.01	0.041 b
	STLC (mg/L)	<3	<0.25	3	<0.1	<0.23	<0.5	<1	<0.3	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1
BS-3 4-4.5'	Total Metals (mg/kg)	<2.5	1.4	44	0.33	<0.21	41	4.3	3.4	4.3	0.077	<0.83	21	<0.21	<0.21	<0.21	16	12
	TCLP Leachate (mg/L)	<0.06	<0.5	0.91	<0.002	<0.005	<0.01	<0.02	<0.01	<0.3	<0.001	<0.02	<0.02	<0.5	<0.005	<0.5	<0.01	0.047 b
	STLC (mg/L)	<3	<0.25	4.7	<0.1	<0.23	<0.5	<1	<0.3	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1
BS-4 4-4.5'	Total Metals (mg/kg)	<2.3	1.9	58	0.32	<0.19	17	2.8	3.5	3.6	<0.019	<0.75	11	0.7	<0.19	<0.19	21	13
	TCLP Leachate (mg/L)	<0.06	<0.5	1.1	<0.002	<0.005	<0.01	<0.02	<0.01	<0.3	<0.001	<0.02	<0.02	<0.5	<0.005	<0.5	<0.01	0.09 b
	STLC (mg/L)	<3	<0.25	5.4	<0.1	<0.23	<0.5	<1	<0.3	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1
Screening Criteria for Total Metals Samples Only	Soil ESL - Industrial (mg/kg)	40	5.5	1,500	8	7.4	58	80	230	750	10	40	150	10	40	13	200	600
	Soil ESL - Residential (mg/kg)	6.3	5.5	750	4	1.7	58	40	230	200	2.3	40	150	10	20	7	110	600
Screening Criteria for Waste Disposal Purposes Only	PRG - Industrial (mg/kg)	410	1.6	67,000	1,900	450	450	1,900	41,000	750	NE	5,100	---	5,100	5,100	67	7,200	100,000
	PRG - Residential (mg/kg)	31	0.39	5,900	150	37	210	900	3,100	150	NE	390	---	390	390	5.2	550	23,000
Screening Criteria for Waste Disposal Purposes Only	TCLP (mg/L)	---	5	100	---	---	---	---	5	0.2	---	---	---	5	---	---	---	---
	STLC (mg/L)	15	5	100	0.75	1	5	80	25	5	0.2	150	4	1	5	7	24	250

Bold result (e.g., 2.9) = Sample result exceeds established screening level

Mercury samples analyzed by EPA method 7471. All other samples analyzed by EPA method 6010B

mg/kg = milligrams per kilogram

TCLP = Toxic Characteristic Leaching Procedure

--- Denotes not established ESL, PRG, TCLP, or STLC

ESL = Environmental Screening Levels

STLC = Soluble Threshold Limit Concentration

PRG = Preliminary Remediation Goal (USEPA, 2002)

Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume I, Summary Tier I Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003

TABLE 1
Soil Samples Collected During May 2004 Phase I Update that Exceeded RWQCB ESLs
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample Number and Depth of Sample	TPH-g (mg/kg)	TPH-d (mg/kg)	cis-1,2-DCE (mg/kg)	TCE (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
North Yard													
B-1-1.75'	<1.0	<1.0	<0.2	<0.25	<5	<0.05	15	3.1	6.9	4.8	18	41	27
B-2-1.25'	1,800	5,300	5.8	29	<5	<0.5	53	8.5	1.3	3.8	46	<25	13
B-2-1.75'	170	140	9.1	14	5.4	<0.5	23	5.5	1.9	2.5	23	<25	12
B-3-1.0'	<1.0	<1.0	<0.2	<0.2	<5	<0.5	13	4	6.7	3.3	9.2	11	19
B-4-1.5'	26	82	<0.4	<0.4	<5	<0.5	100	37	34	2,200	220	<25	52
B-4-5.0'	<1.0	3.5	<0.4	<0.4	<5	<0.5	120	46	5.8	22	240	<25	60
B-9-1.25'	8	1,400	<0.2	<0.2	<5	<0.5	260	23	24	6.2	200	<5	11
B-9-2.5'	<1.0	27	<0.2	<0.2	<5	<0.5	33	11	3.2	6.1	28	<5	14
B-10-1.5'	<1.0	17	<0.2	<0.2	<5	<0.5	270	23	32	<1.0	220	<5	12
B-10-3.0'	11	8.2	<0.2	<0.2	<5	<0.5	77	11	<0.5	2.8	66	5.9	14
West of Warehouse													
SS-1	<2.0	66	<0.2	<0.2	<5	12	410	14	280	630	250	24	4,900
B-5-1.5'	<1.0	<1.0	<0.4	<0.4	2,200	3.5	8.6	<0.5	<0.5	3.2	<1.0	<25	<1
B-5-5.0'	<1.0	<1.0	<0.4	<0.4	<5	<0.5	290	26	34	3.8	200	<25	30
Other Area Onsite													
B7-1.5'	<1.0	1.8	<0.2	<0.2	<5	<0.05	20	16	3.7	6.4	14	<5	15
Residential ESL (Note 3)	100	100	0.19	0.46	5.50	1.67	58	10.48	225	150	150	1	600
Commercial/ Industrial ESL (Note 4)	100	100	0.19	0.46	5.50	7.40	58	10.48	225	750	150	12.66	600

Note 1: Soil Samples were collected by ERM in October 2001 and February 2002 at the GE Caral Site. Results were provided in May 2004 Phase I Update Report.

Note 2: Items in boldface exceed the RWQCB ESL.

Note 3: Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) in shallow soil at residential sites, February 2005. For comparison purposes only since the site is not zoned nor intended to have residential receptors onsite.

Note 4: RWQCB ESL in shallow soil at industrial sites, February 2005.

LEGEND

cis-1,2-DCE = cis-1,2-dichloroethene

PCBs = polychlorinated biphenyls

TCE = trichloroethene

TPH = total petroleum hydrocarbons; TPH-d = TPH as diesel, TPH-g = TPH as gasoline

Table 12
Summary of Metals Detected in Holes 1 through 4
GE Canal
578 Cleveland Avenue
Albany, CA



Sample ID/Former Boring ID	Sample Method	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury ¹	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
Hole 1/Former Boring B-4																			
H1-North	Total Metals (mg/kg)	<3.3	4.0	170.0	0.46	0.4	19.0	6.0	41.0	74.0	0.300	1.9	15.0	0.57	<0.27	<0.27	24.0	150.0	
H1-East	Total Metals (mg/kg)	<2.9	4.0	190.0	0.63	0.6	27.0	6.6	35.0	77.0	0.290	3.3	19.0	0.55	<0.25	<0.25	34.0	150.0	
H1-South	Total Metals (mg/kg)	<2.5	4.7	160.0	0.43	0.7	19.0	5.7	28.0	47.0	0.700	1.8	18.0	0.52	<0.20	<0.20	23.0	210.0	
H1-West	Total Metals (mg/kg)	<2.9	4.3	120.0	0.46	0.4	19.0	5.7	24.0	64.0	0.140	3.1	19.0	0.40	<0.24	<0.24	23.0	83.0	
H1-Base	Total Metals (mg/kg)	<3.1	3.1	140.0	0.42	0.8	23.0	8.2	12.0	21.0	0.043	3.3	13.0	0.51	<0.26	<0.26	26.0	280.0	
Hole 2/Former Boring B-10																			
H2-North	Total Metals (mg/kg)	<3.0	3.2	74.0	0.72	<0.25	30.0	8.0	9.1	5.6	0.230	<1.0	28.0	0.48	<0.25	<0.25	30.0	16.0	
H2-East	Total Metals (mg/kg)	<2.9	3.8	70.0	0.80	<0.24	47.0	20.0	9.3	11.0	0.040	<0.95	42.0	0.67	<0.24	<0.24	34.0	29.0	
H2-South	Total Metals (mg/kg)	<2.9	2.9	52.0	0.70	<0.25	45.0	5.9	9.6	4.5	0.100	<0.98	37.0	0.35	<0.25	<0.25	29.0	15.0	
H2-West	Total Metals (mg/kg)	<2.8	3.8	54.0	0.73	<0.23	38.0	6.1	9.5	5.5	0.036	<0.92	29.0	0.38	<0.23	<0.23	32.0	17.0	
H2-Base	Total Metals (mg/kg)	<3.1	1.9	75.0	0.46	<0.26	25.0	8.8	10.0	5.2	0.063	<1.0	37.0	<0.26	<0.26	<0.26	23.0	16.0	
Hole 3/Former Boring B-2																			
H3-North	Total Metals (mg/kg)	<2.7	2.7	110.0	0.58	<0.22	25.0	6.4	4.0	7.4	0.061	<0.89	37.0	0.35	<0.22	<0.22	29.0	12.0	
H3-East	Total Metals (mg/kg)	<2.7	2.9	77.0	0.68	<0.23	24.0	11.0	5.0	8.1	0.061	<0.91	49.0	0.30	<0.23	<0.23	30.0	13.0	
H3-South	Total Metals (mg/kg)	<2.4	2.9	66.0	0.64	<0.20	29.0	10.0	4.6	5.6	0.057	<0.80	46.0	0.47	<0.20	<0.20	28.0	12.0	
H3-West	Total Metals (mg/kg)	<3.1	2.7	77.0	0.52	<0.26	26.0	9.9	5.4	6.5	0.065	<1.0	36.0	0.44	<0.26	<0.26	27.0	14.0	
H3-Base	Total Metals (mg/kg)	<3.0	2.8	100.0	0.69	<0.25	33.0	10.0	5.0	6.1	0.090	<0.99	31.0	0.55	<0.25	<0.25	30.0	15.0	
Hole 4/Former Boring B-9																			
H4-North	Total Metals (mg/kg)	<2.8	3.4	100.0	0.77	<0.24	30.0	12.0	4.6	6.4	0.065	<0.94	35.0	0.50	<0.24	<0.24	32.0	14.0	
H4-East	Total Metals (mg/kg)	<3.2	4.0	120.0	0.90	<0.26	31.0	9.2	4.2	7.5	0.038	<1.1	20.0	0.56	<0.26	<0.26	32.0	11.0	
H4-South	Total Metals (mg/kg)	<2.3	3.6	69.0	0.82	<0.19	23.0	9.9	4.3	6.1	0.061	<0.78	23.0	0.43	<0.19	<0.19	28.0	12.0	
H4-West	Total Metals (mg/kg)	<1.9	3.5	69.0	0.85	0.2	36.0	8.0	3.9	7.2	0.099	<0.65	27.0	0.41	<0.16	<0.16	33.0	11.0	
H4-Base	Total Metals (mg/kg)	<2.7	3.8	68.0	0.79	<0.22	19.0	3.0	2.8	6.1	0.071	<0.88	14.0	0.49	<0.22	<0.22	32.0	8.8	
Sidewall 1/Former Boring B-4																			
	Total Metals (mg/kg)	<3.1	6.5	210.0	0.55	1.0	18.0	5.6	45.0	87.0	0.290	2.2	18.0	0.44	<0.26	<0.00026	22.0	310.0	
	TCLP Leachate (mg/L)	<0.06	<0.3	1.3	<0.002	0.0	<0.01	0.1	0.0	<0.3	<0.001	<0.02	0.1	<0.5	<0.005	<0.5	<0.01	1.3	
	STLC (mg/L)	<3	0.3	7.4	<0.1	<0.25	<0.5	<1	<0.5	2.1	<0.001	<1	<1	<0.25	<0.25	<0.25	1.1	12.0	
Sidewall 2/Former Boring B-10																			
	Total Metals (mg/kg)	<3.3	2.9	72.0	0.56	<0.28	28.0	4.6	5.8	15.0	0.120	<1.1	20.0	0.41	<0.28	<0.28	27.0	630.0	
	TCLP Leachate (mg/L)	<0.06	<0.3	0.3	<0.002	<0.01	<0.02	0.0	<0.3	<0.001	<0.02	<0.02	0.1	<0.5	<0.005	<0.5	<0.01	0.8	
	STLC (mg/L)	<3	<0.25	1.0	<0.1	<0.25	<0.5	<1	<0.5	0.2	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	4.1	
Sidewall 3/Former Boring B-2																			
	Total Metals (mg/kg)	<3	3.8	90.0	0.67	<0.25	30.0	10.0	3.2	6.8	0.046	<1	43.0	0.33	<0.25	<0.25	30.0	11.0	
	TCLP Leachate (mg/L)	<0.06	<0.3	1.3	<0.002	<0.005	0.01	0.02	<0.01	<0.3	<0.001	<0.02	<0.02	<0.5	<0.005	<0.5	<0.01	0.048	
	STLC (mg/L)	<3	<0.25	1.1	<0.1	<0.25	<0.5	<1	<0.5	<0.15	<0.001	<1	1.8	<0.25	<0.25	<0.25	<0.5	<1	
Sidewall 4/Former Boring B-9																			
	Total Metals (mg/kg)	<3	2.9	490.0	0.68	0.4	22.0	7.1	4.4	9.0	0.068	<1	18.0	<0.22	<0.22	<0.22	26.0	11.0	
	TCLP Leachate (mg/L)	<0.06	<0.3	0.7	<0.002	0.0	<0.01	<0.02	<0.01	<0.3	<0.001	<0.02	<0.02	<0.5	<0.005	<0.5	<0.01	0.1877	
	STLC (mg/L)	<3	<0.25	18.0	<0.1	<0.25	<0.5	<1	<0.5	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1	
CP-1 3.5-4/Former Boring B-9																			
	Total Metals (mg/kg)	<2.6	1.1	93.0	0.41	<0.22	9.1	2.9	1.1	4.5	0.058	<0.88	11.0	0.43	<0.22	<0.22	17.0	6.1	
	TCLP Leachate (mg/L)	<0.04	<0.3	1.3	<0.002	<0.005	<0.01	<0.02	<0.01	<0.1	<0.001	<0.02	0.0	<0.5	<0.005	<0.5	<0.01	0.056	
	STLC (mg/L)	<3	<0.25	3.7	<0.1	<0.25	<0.5	<1	<0.5	<0.15	<0.001	<1	<1	<0.25	<0.25	<0.25	<0.5	<1	
Composite 1 (from soil stockpile #1)																			
	Total Metals (mg/kg)	<3.2	5.1	230.0	0.59	0.8	36.0	13.0	76.0	150.0	0.330	5.7	64.0	<0.27	<0.27	<0.27	25.0	310.0	
	TCLP Leachate (mg/L)	<0.06	<0.3	1.3	<0.002	0.0	<0.01	0.1	0.0	<0.3	<0.001	<0.02	0.1	<0.5	<0.005	<0.5	<0.01	1.8	
	STLC (mg/L)	<3	0.3	7.4	<0.1	<0.25	<0.5	<1	<0.5	2.1	<0.001	<1	<1	<0.25	<0.25	<0.25	1.1	12.0	
Composite 2 (from soil stockpile #2)																			
	Total Metals (mg/kg)	2.8	2.9	36.0	0.48	<0.23	298.0	22.0	37.0	6.8	0.035	<0.91	219.0	0.49	<0.23	<0.23	33.0	29.0	
	TCLP Leachate (mg/L)	<0.06	<0.3	0.5	<0.002	<0.005	0.0	0.1	9.0	<0.3	<0.001	<0.2	0.4	<0.5	<0.005	<0.5	<0.01	0.654	
	STLC (mg/L)	<3	<0.25	2.0	<0.1	<0.25	0.8	1.3	<0.5	0.3	<0.001	<1	3.1	<0.25	<0.25	<0.25	<0.5	<1	
Screening Criteria for Total Metals Samples Only																			
	Soil ESL - Industrial (mg/kg)	40.0	5.5	1,500.0	8.00	7.4	58.0	80.0	230.0	750.0	18,000	40.0	150.0	10.00	40.0	13.0	200.0	600.0	
	Soil ESL - Residential (mg/kg)	6.3	5.5	750.0	4.00	1.7	58.0	40.0	230.0	200.0	2,500	40.0	150.0	18.00	26.0	1.0	110.0	600.0	
	PRG - Industrial (mg/kg)	410.0	1.6	67,000.0	1,900.00	7.4	450.0	1,900.0	41,000.0	750.0	—	5,100.0	—	5,100.00	5,100.0	67.0	7,200.0	100,000.0	
	PRG - Residential (mg/kg)	31.0	0.4	5,900.0	150.00	1.7	210.0	900.0	3,100.0	150.0	—	390.0	—	390.00	390.0	3.2	350.0	21,000.0	
Screening Criteria for Waste Disposal Purposes Only																			
	TCLP (mg/L)	—	5.0	100.0	—	—	—	—	—	5.0	0.200	—	—	1.00	5.0	—	—	—	
	STLC (mg/L)	15.0	5.0	100.0	0.75	1.0	5.0	80.0	25.0	5.0	0.200	350.0	2.0	1.00	3.0	7.0	24.0	250.0	

Bold result (e.g., 2.9) = Sample result exceeds established screening level
 Mercury samples analyzed by EPA method 7471. All other samples analyzed by EPA method 6010B
 mg/kg = milligrams per kilogram
 ug/L = micrograms per liter
 b = there was barium or zinc detected in the lab's method blank which is common. The analytical result is valid because the concentration of the sample is below the TCLP or STLC limit and/or the method blank detection is less than 1/10th of the sample concentration.
 PRG = Preliminary Remediation Goal (USEPA, 2002)
 ESL = Environmental Screening Levels
 TCLP = Toxic Characteristic Leaching Procedure
 STLC = Soluble Threshold Limit Concentration
 — Denotes no established ESL, PRG, TCLP, or STLC
 Industrial and Residential ESLs taken from: Volume I, Table A, shallow soils, groundwater is current or potential source of drinking water. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume I, Summary Tier 1 Lookup Tables, Interim Final, Regional Water Quality Control Board (San Francisco Bay Region) July 2003
 Composite 3 was put on hold and not analyzed. The soil from hole #4 was added to stockpile #2 since the soil contained similar materials based on visual inspection. CP-1 was collected from the area of hole #4 before the excavation. Therefore, the results of CP-1 and Composite 2 will be used to evaluate stockpile 2 for waste disposal purposes.

TABLE 6
Summary of Groundwater Analytical Results-Total Petroleum Hydrocarbons
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	TPH-g [C7-C12] (ug/L)	TPH-d [C10-C24] (ug/L)	TPH-mo [C24-C36] (ug/L)
SB-9-W	2/17/2006	88	92	< 300
SB-10-W	2/17/2006	< 50	< 50	< 300
SB-11-W	2/17/2006	< 50	< 50	< 300
Groundwater ESL		100	100	1,000

Notes:

- 1) All samples were analyzed by EPA Method 8015B.
- 2) TPH-g = C7-C12 = petroleum hydrocarbon chains in the gasoline range with 7-12 carbons
 TPH-d = C10-C24 = petroleum hydrocarbon chains in the diesel range with 10-24 carbons
 TPH-mo = C24-C36 = petroleum hydrocarbon chains in the motor oil range with 24-36 carbons
- 3) ug/L = micrograms per Liter.
- 4) Bold concentrations were detected above the reporting limit.
- 5) < 1.0 indicates the analyte was not detected at or above the reporting limit of 1.0 mg/Kg.
- 6) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.

TABLE 7
Summary of Groundwater Analytical Results-Volatile Organic Compounds
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	cis-1,2-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	Acetone (ug/L)	Benzene (ug/L)	Trichloroethene (ug/L)	Naphthalene (ug/L)	Vinyl Chloride (ug/L)
SB-9-W	2/17/2006	29	< 0.5	< 10	1.7	3.6	< 2.0	< 0.5
SB-10-W	2/17/2006	21	3.5	< 10	< 0.5	8.9	4.1	0.8
SB-11-W	2/17/2006	< 0.5	< 0.5	13	1.1	< 0.5	< 2.0	< 2.0
Groundwater ESL		6	0.5	1,500	1	N/A	17	0.5

Notes:

- 1) All samples were analyzed by EPA method 8260B.
- 2) ug/L = Micrograms per Liter.
- 3) Only results above detection limit are shown. All other VOCs analyzed with EPA Method 8260 were below the respective reporting/detection limits.
- 4) Bold concentrations were detected above the reporting limit.
- 5) < 0.5 indicates the analyte was not detected at or above the reporting limit of 0.5 ug/L.
- 6) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.
- 7) N/A = There is no ESL available for this analyte.

TABLE 8
Summary of Groundwater Analytical Results-Pentachlorophenol
Former GE Caral Manufacturing Facility
578 Cleveland Avenue
Albany, California

Sample ID	Sample Date	Groundwater Samples	Soil Sample
		Pentachlorophenol (ug/L)	Pentachlorophenol (ug/Kg)
SB-9-W	2/17/06	< 19	NA
SB-10-W	2/17/06	< 19	NA
SB-11-W	2/17/06	< 20	NA
SB-12-30'	2/17/06	NS	< 660
Soil Residential ESL		Not Applicable	4,400
Soil Industrial ESL		Not Applicable	5,000
Groundwater ESL		1	Not Applicable

Notes:

- 1) SB-12-30: Refusal was met at 30 feet below grade surface, and no groundwater was present, so a soil sample was taken at that depth and analyzed.
- 2) All samples were analyzed by EPA method 8270.
- 3) ug/L = Micrograms per Liter; ug/Kg = Micrograms per Kilogram or parts per billion by weight.
- 4) Bold concentrations were detected above the reporting limit.
- 5) < 19 indicates the analyte was not detected at or above the reporting limit of 19 ug/L.
- 6) NA = The analyte was not analyzed for this sample.
- 7) NS = Not sampled (see Note 1).
- 8) ESL = SF Bay RWQCB Environmental Screening Level, February 2005.

TABLE 2
Soil Analytical Results - Excavated Soil and Backfill Samples
Former GE Carol Manufacturing Facility
578 Cleveland Avenue
Albany, California

	Excavated Soil Waste Profile Sample	Backfill Sample from Quarry
Sample ID	1-4 Point Comp.	RGW Backfill 1
Sample Date	10/4/2006	10/9/2006
Antimony (mg/Kg)	< 3.0	< 2.0
Arsenic (mg/Kg)	2.9	5.9
Barium (mg/Kg)	120	270
Beryllium (mg/Kg)	0.39	< 0.50
Cadmium (mg/Kg)	0.41	< 0.50
Total Chromium (mg/Kg)	13	9.8
Cobalt (mg/Kg)	4.2	5.8
Copper (mg/Kg)	34	11
Lead (mg/Kg)	56	8.2
Mercury (mg/Kg)	0.26	NS
Molybdenum (mg/Kg)	1.2	< 0.99
Nickel (mg/Kg)	14	8.7
Selenium (mg/Kg)	< 0.25	< 2.0
Silver (mg/Kg)	< 0.25	< 0.99
Thallium (mg/Kg)	< 0.25	< 0.99
Vanadium (mg/Kg)	20	27
Zinc (mg/Kg)	100	37

Notes:

- 1) All samples were analyzed by EPA methods 6010B/7471A.
- 2) mg/kg = milligrams per kilogram or parts per million (by weight).
- 3) Bold concentrations were detected above the reporting limit.

Table 3
Summary of CAM 17 Metals Detected
Caral Manufacturing Facility
Albany, CA

	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Soil-Industrial ESL	40	5.5	1,500	8.0	7.4	58	80	230	750	10	40	150	10	40	13	200	600
Soil-Residential ESL	6.3	5.5	750	4.0	1.7	58	40	230	200	3	40	150.00	10	20	1	110	600
	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SS-1	<5.0	<5.0	330	<0.50	12	410	14	280	630	1.3	32	250	<5.0	2.9	24	40	4900
B1-1.75	<5.0	<5.0	42	<0.50	<0.05	15	3.1	6.9	4.8	0.021	<0.50	18	<5.0	<0.50	41	18	27
B1-5.5	<5.0	5.4	83	<0.50	<0.50	12	3.4	<0.50	3.4	0.042	<0.50	13	<5.0	<0.50	<5.0	16	20
B3-1.0	<5.0	<5.0	99	<0.50	<0.50	13	4.0	6.7	3.3	0.038	<0.50	9.2	<5.0	<0.50	11	14	19
B6-1.25	<5.0	<5.0	76	<0.50	<0.50	9.2	8.8	5.5	6.6	0.066	<0.50	14	<5.0	<0.50	<5.0	20	29
B7-1.5	<5.0	<5.0	98	<0.50	<0.50	20	16	3.7	6.4	0.026	<0.50	14	<5.0	<0.50	<5.0	23	15
B9-1.25	<5.0	<5.0	9.0	<0.50	<0.50	260	23	24	6.2	0.014	<0.50	200	<5.0	<0.50	<5.0	12	11
B9-2.5	<5.0	<5.0	76	0.59	<0.50	33	11	3.2	6.1	0.062	<0.50	28	<5.0	<0.50	<5.0	27	14
B10-1.5	<5.0	<5.0	7.6	<0.50	<0.50	270	23	32	<1.0	0.016	<0.50	220	<5.0	<0.50	<5.0	15	12
B10-3.0	<5.0	<5.0	29	<0.50	<0.50	77	11	<0.50	2.8	0.017	<0.50	66	<5.0	0.80	5.9	17	14
B4-1.5	17	<5.0	120	<0.50	<0.50	100	37	34	2200	0.16	20	220	<5.0	0.85	<25	21	52
B4-5.0	<5.0	<5.0	77	<0.50	<0.50	120	46	5.8	22	0.046	18	240	<5.0	0.55	<25	22	60
B8-1.5	<5.0	<5.0	68	<0.50	<0.50	21	5.1	9.2	3.5	0.052	<0.50	18	<5.0	<0.50	<25	22	15
B5-1.5	29	2200	190	<0.50	3.5	8.6	<0.50	<0.50	<1.0	0.056	<0.50	<1.0	<5.0	0.65	<25	<0.50	<1.0
B5-5.0	<5.0	<5.0	21	<0.50	<0.50	290	26	34	3.2	0.026	<0.50	200	<5.0	<0.50	<25	17	30
B2-1.25	<5.0	<5.0	56	<0.50	<0.50	53	8.5	1.3	3.8	0.029	<0.50	46	<5.0	0.5	<25	23	13
B2-1.75	<5.0	<5.0	72	<0.50	<0.50	23	5.5	1.9	2.5	0.04	<0.50	23	<5.0	<0.50	<25	23	12
B2-3.5	<5.0	<5.0	72	<0.50	<0.50	23	5.5	1.9	2.5	0.046	<0.50	23	<5.0	<0.50	<5.0	23	12

Ground Water	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Final ESL ¹	0.006	0.0036	1	0.0027	0.0022	0.05	0.003	0.0031	0.0025	0.000012	0.035	0.0082	0.005	0.00019	0.002	0.015	0.081
	Units	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
B4-W	0.0062	0.0011	0.18	<0.001	<0.001	0.0069	0.24	0.0058	<0.004	<0.0002	0.0013	0.89	0.0056	0.001	<0.001	<0.001	0.0072

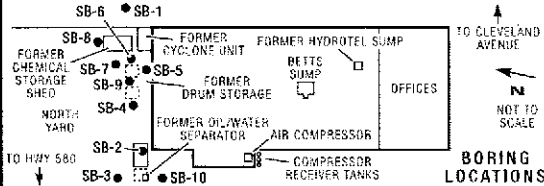
NA=Not Analyzed
 mg/kg= Milligrams per Kilogram
 ug/kg= Micrograms per Kilogram
 ug/l= Micrograms per Liter
 cis-1,2-DCE = cis-1,2-Dichloroethene



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO. **SB-1**
 SHEET 1 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

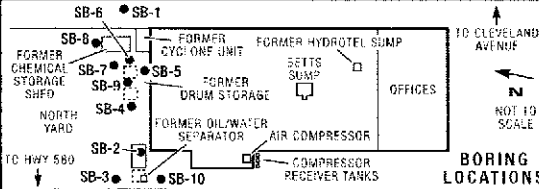
SAMPLE RECOVERY (%)	SAMPLE ID	BLOWS/6 IN.	PID/OVM READING (ppm)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽		DESCRIPTION	
									---	---	TIME:	DATE:
						0						ASPHALT
						1	CL					SANDY CLAY, orange brown, ~30-40% sand, slightly damp, medium stiff, no odor
		0.0			2	orange, brown, white mottled, ~20% sand, no odor						
				08:45	3							
			0.0			4						~20% fine sand, no odor
			0.0			5	SP					SAND w/SILT, orange, ~90% sand, 10% silt, slightly damp, loose, no odor
				09:00	6							
						6						BORING TERMINATED @ 6 ft bgs
						7						
						8						
						9						
						10						
						11						
						12						
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-2
 SHEET 1
 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

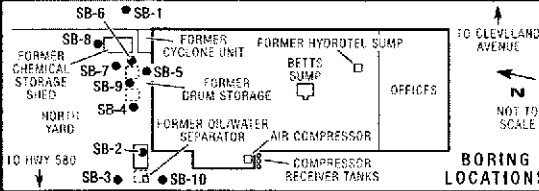
SAMPLE RECOVERY (%)	SAMPLE ID	BLOWS/6 IN.	PID/OVM READING (ppmv)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽		DESCRIPTION	
									---	---	---	---
						0						ASPHALT
						1		GM				GRAVEL/ASPHALT base
			3.2			2		SM				SILTY SAND, dark brown/black, ~15% silt, damp, loose, moderate hydrocarbon odor
				09:05		3		CL				SANDY CLAY, dark brown/green, ~15% sand, damp, soft, slight hydrocarbon odor
			0.3			4		SC				CLAYEY SAND, dark brown/black, ~10-15% clay, very moist, soft, slight hydrocarbon odor
			0.0	09:10		5		CL				SANDY CLAY, green/orange mottled, ~10-15% sand, medium stiff, damp, very slight to no odor
						6						BORING TERMINATED @ 6 ft bgs
						7						
						8						
						9						
						10						
						11						
						12						
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-3
 SHEET 1
 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

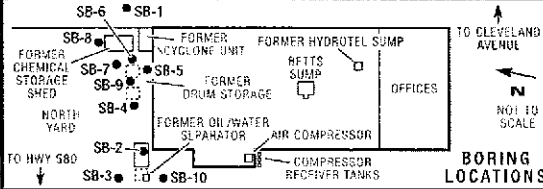
SAMPLE RECOVERY (%)	SAMPLE ID	BLOWS/6 IN.	PID/OVM READING (ppm)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽		DEPTH TO: ▽		DESCRIPTION
						0							ASPHALT
						1	GM						GRAVEL/ASPHALT, base
			0.0			2							CLAYEY SILT, dark brown/orange, ~10% clay, slightly damp, stiff, no odor
			0.0	09:30		3	ML/CL						
						4							very wet
			0.0	09:35		5	CL						SANDY CLAY, orange/green mottled, ~10% sand, fine-to-medium grained, slightly damp, stiff, no odor
						6							BORING TERMINATED @ 6 ft bgs
						7							
						8							
						9							
						10							
						11							
						12							
						13							
						14							
						15							
						16							
						17							
						18							
						19							
						20							



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-5
 SHEET 1
 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

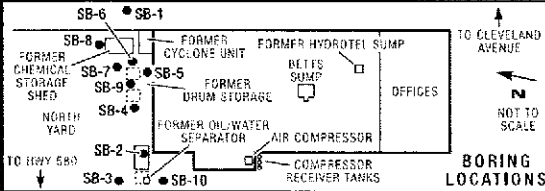
SAMPLE RECOVERY (IN)	SAMPLE ID	BLOWS/6 IN.	PID/OVM READING (ppm)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽	DEPTH TO: ▽	DESCRIPTION
									---	---	
						0	XXXXXX				CONCRETE
						1	XXXXXX				SILTY CLAY, orange/brown, ~20% silt, damp, stiff, no odor
		8.4				2	XXXXXX				~50% silt, ~50% clay
			5.7	10:20		3	XXXXXX	ML/CL			slightly damp
						4	XXXXXX				
			1.7	10:30		5	XXXXXX				~75% clay, ~25% silt, very stiff
						6	XXXXXX				BORING TERMINATED @ 6 ft bgs
						7					
						8					
						9					
						10					
						11					
						12					
						13					
						14					
						15					
						16					
						17					
						18					
						19					
						20					



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-6
 SHEET 1
 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

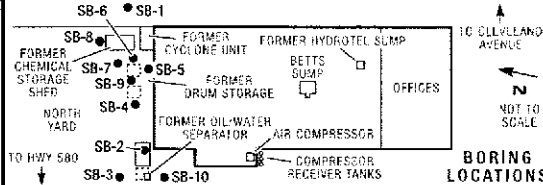
SAMPLE RECOVERY (IN)	SAMPLE ID	BLOWS/6 IN.	PID/OMV READINGS (ppmv)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ∇		DEPTH TO: \blacktriangledown		DESCRIPTION
						0							ASPHALT
						1	GM						ASPHALT base - SILTY GRAVEL, gray
			32.9			2	SC						SILTY SAND w/CLAY, red/orange mottled, ~70% sand, ~20% silt, ~10% clay, damp, loose, no odor
				10:45		3							
			40.6			4	CL						CLAY w/minor SILT, orange/red, damp, very stiff, no odor
			6.2			5	CL						SILTY CLAY, red/orange mottled, ~70% clay, ~30% silt, damp, very stiff, no odor
				10:55		6							
						6	SM						BORING TERMINATED @ 6 ft bgs
						7							
						8							
						9							
						10							
						11							
						12							
						13							
						14							
						15							
						16							
						17							
						18							
						19							
						20							



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-7
 SHEET 1 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

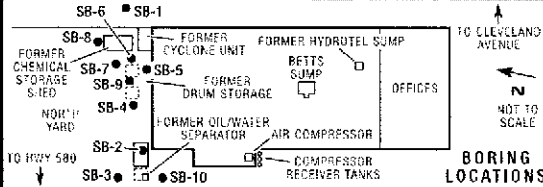
SAMPLE RECOVERY (IN)	SAMPLE ID	BLOWS/6 IN.	PID/CONV. READING (ppm)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽	DEPTH TO: ▼	DESCRIPTION
									---	---	
						0					ASPHALT
						1	GM				ASPHALT, base - SILTY GRAVEL, gray
			13.6			2					SILTY CLAY, orange, ~80% clay, ~20% silt, damp, stiff, no odor
				11:05		3					gray/orange mottling
			13.2			4	ML/CL				SILTY SANDY CLAY, orange, damp, loose, no odor
			7.1			5					
				11:15		6					BORING TERMINATED @ 6 ft bgs
						7					
						8					
						9					
						10					
						11					
						12					
						13					
						14					
						15					
						16					
						17					
						18					
						19					
						20					



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO. **SB-8**
 SHEET 1 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 2 in.

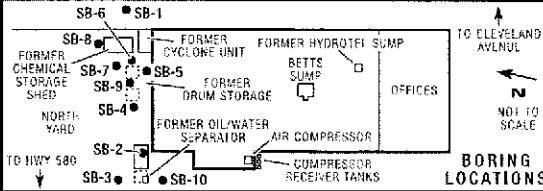
SAMPLE RECOVERY (IN.)	SAMPLE ID	BLOWS/6 IN.	PIE/OVM READING (ppt)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽		DESCRIPTION	
									---	---	---	---
						0	XXXXXX		CONCRETE			
						1	OOOOOO	GM	SILTY GRAVEL base, gray			
		0.2				2			SILTY CLAY, orange/gray/black mottled, ~25% silt, damp, loose, no odor			
				11:30		3		ML/CL				
		0.3				4			orange/gray/black/red mottled			
						5						
		1.0		11:35		6			BORING TERMINATED @ 6 ft bgs			
						7						
						8						
						9						
						10						
						11						
						12						
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/16/06 - to 10 ft bgs
 CLIENT: G.E. HEALTHCARE 2/17/06 - 10 to 35 ft bgs
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-9
 SHEET 1
 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 3.75 in.

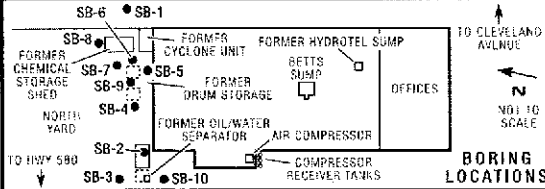
SAMPLE RECOVERY (%)	SAMPLE ID	BLOWS/6 IN.	PID/OVM READING (ppm)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽	DEPTH TO: ▽	DESCRIPTION
									---	28 ft bgs	
						0	[Hatched]				ASPHALT
						1	[Dotted]	GM			ASPHALT BASE - SILTY GRAVEL, gray
			20.0			2	[Diagonal lines]				SILTY SANDY CLAY, orange, ~60% clay, ~20% sand, ~20% silt, damp, medium stiff, no odor
				11:45		3	[Diagonal lines]				
			11.8			4	[Diagonal lines]	CL			soft
			44.2			5	[Diagonal lines]				orange/red/gray mottling
				11:55		6	[Diagonal lines]				
						8	[Dotted]				SAND w/CLAY, orange/red/gray mottling, ~10% clay, damp, loose, no odor
						10	[Dotted]				gray with minor orange mottling, damp, loose, slight hydrocarbon odor - oily diesel odor
						12	[Dotted]	SC			
						15	[Diagonal lines]				SILTY CLAY, orange/brown, ~20-30% silt, damp, loose, no odor
						17	[Diagonal lines]	CL			
						19	[Diagonal lines]				~5-10% gravel, subrounded
						20	[Diagonal lines]				BORING TERMINATED @ 35 ft bgs (20 to 35 ft bgs not logged)



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-04583.03 DATE: 2/17/06
 CLIENT: G.E. HEALTHCARE
 LOCATION: 578 CLEVELAND AVENUE, ALBANY, CA
 LOGGED BY: ADNAN

BORING NO.
SB-10
 SHEET 1
 OF 1



DRILLER: GREGG DRILLING METHOD: DIRECT PUSH
 HAMMER WEIGHT: --- DROP: ---
 BORING COMPLETION DATA: BACKFILLED WITH NEAT CEMENT GROUT
 GROUND ELEVATION: --- HOLE DIAMETER: 3.75 in.

SAMPLE RECOVERY (%)	SAMPLE ID	BLOWS/6 IN.	PID/OVM READING (ppm)	TIME	SAMPLE INTERVAL	DEPTH (FT)	GRAPHIC LOG	USGS SYMBOL	DEPTH TO: ▽	DEPTH TO: ▼	DESCRIPTION
									---	26 ft bgs	
						0					
						1					
						2					no soil recovered
						3					
						4					
						5		CL			SILTY CLAY, brown/orange mottled, ~80% clay, ~20% silt, damp, soft, no odor
						6		CL			SILTY SANDY CLAY, brown/orange mottled, ~60% clay, ~20% fine-grained sand, ~20% silt, damp, soft, no odor
						7					
						8					
						9					
						10					~10% sand, ~30% silt
						11		CL			CLAY, dark tan, 100% clay, damp, stiff, no odor
						12		CL			CLAY w/SILT, tan/orange mottled, ~10% silt, damp, stiff, no odor
						13					CLAYEY SILT, tan/orange mottled, ~25% silt, ~75% silt, damp, medium stiff, no odor
						14		ML			SAND w/GRAVEL, tan/brown/dark orange mottled, ~10% small gravel, dry, slightly stiff, no odor
						15					
						16					SILTY SAND, tan/light brown mottled, ~75% fine sand, ~25% silt, dry, loose, no odor
						17		ML			SILT, tan, ~10% clay, slightly damp, loose, no odor
						18		ML			SILT, tan/dark brown, ~10% clay, ~10% angular sand, damp, loose, no odor
						19		SP			GRAVELLY SAND w/SILT, tan to brown, ~70% fine sand, ~20% gravel, ~10% silt, damp, loose, no odor
						20					BORING TERMINATED @ 35 ft bgs (20 to 35 ft bgs not logged)