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

April 30, 2008

Ms. Monique Durham
308 S. Arkard. St., Three SBC Plaza
Environmental Mgmt. Room No.: 900
Dallas, TX 75202-5399

Subject: Fuel Leak Case No. RO0002610, SBC Communications Inc., 2610 Norbridge Ave., Castro Valley, CA

Dear Ms. Durham:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Residual concentrations of up to 31 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons as gasoline remain in soil at the site.
- Residual concentrations of up to 74 micrograms per liter (µg/L) of total petroleum hydrocarbons as gasoline remain in groundwater at the site.

If you have any questions, please call Steven Plunkett at (510) 383-1767. Thank you.

Sincerely,

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

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

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Chris d'Sa
Hydrologue Inc.
2793 East Foothill Blvd.
Pasadena, Ca 91107
Danville, CA 94506

Steven Plunkett (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

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April 30, 2008

Ms. Monique Durham
308 S. Arkard. St., Three SBC Plaza
Environmental Mgmt. Room No.: 900
Dallas, TX 75202-5399

REMEDIAL ACTION COMPLETION CERTIFICATE

Dear Ms. Durham:

Subject: Fuel Leak Case No. RO0002610, SBC Communications Inc., 2610 Norbridge Ave., Castro Valley, CA

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director
Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: September 12, 2007

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 383-1767
Responsible Staff Person: Steven Plunkett	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: SBC CTVYCA60 (P5200) Facility		
Site Facility Address: 2610 Norbridge Avenue, Castro Valley, CA 94546		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO0002610
URF Filing Date: 12/11/2003	SWEEPS No.: ---	APN: 084A-0007-005-00

Responsible Parties	Addresses	Phone Numbers
Cheryl Allen SBC Communications Inc.	308 S. Akard Street 3 SBC Plaza Dallas, TX 75202-5399	925-823-8866

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
NA	10,000	Gasoline	Removed	12/11/2003
Piping			Removed	12/11/2003

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in the tanks during removal.	
Site characterization complete? Yes	Date Approved By Oversight Agency: --

Monitoring wells installed? Yes	Number: 4	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 6 ft. bgs	Lowest Depth: 8 ft. bgs	Flow Direction: West Northwest
Most Sensitive Current Use: Potential Drinking water source		

Summary of Production Wells in Vicinity: Based on well survey information from California Department of Water Resources and Alameda County Department of Public Works no water supply wells are within ½ mile of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Lake Chabot is approximate 1.5 miles north of the site
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1-10,000 gallon	Transported to Ecology Controls Industry, 255 Parr Blvd., Pacheco, CA	2/2004
Piping	7 ft.	Transported to Ecology Controls Industry, 255 Parr Blvd., Pacheco, CA	2/2004
Free Product	--	--	--
Soil	250 cubic yards	Transported to Browning Ferris Industries, Livermore, CA	May 1993
Groundwater	--	--	--

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

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	430	31	74	ND
TPH (Diesel)	ND	ND	NA	ND
TPH (Motor Oil)	ND	ND	NA	ND
Oil and Grease	ND	ND	NA	ND
Benzene	ND	0.35	0.57	ND
Toluene	ND	ND	0.57	ND
Ethylbenzene	ND	ND	<0.5	<0.5
Xylenes	ND	ND	1.0	ND
Heavy Metals (Pb)	12[(1)]	12[(1)]	6.6[(1)]	ND[(1)]
MTBE	ND[(2)]	ND[(2)]	24[(3)]	0.65[(3)]
Other (8240/8270)	ND	ND	ND	ND

(1) Other Metals (Soil and Groundwater): As, Ba, Be, Cd, Cr, Co, Cu, Hg, Mo, Ni, Se, Ag, Tl, V and Zn Not Analyzed
(2) Fuel Oxygenates (Soil): TAME <0.5 ppm, TBA <0.5 ppm, EDB <0.5 ppm, 1,2-DCA <0.5 ppm, ETBE <0.5 ppm
(3) Fuel Oxygenates (groundwater): TAME <0.5 ppb, TBA 16 ppb, EDB <0.5 , 1,2-DCA <0.5 ppb, ETBE <0.5 ppb

Site History and Description of Corrective Actions:

The site is currently an active warehouse and material storage facility. In May 1993 one 10,000 gallon fiberglass UST was removed from the site and confirmation soil samples were collected from the tank pit case. TPHg was detected at concentrations of up to 7,900 ppm, while BTEX constituents were detected at concentrations of up to 0.022 ppm, 0.36 ppm, 110 ppm and 110 ppm, respectively. Over-excavation of the tank pit was completed and approximately 250 cubic yards of soil was removed and disposed of off site. Seven additional confirmation soil samples were collected. Low levels of TPHg 31 mg/L and 0.35 mg/L benzene remained in two of the seven samples collected. The UST was replaced with a 10,000 gallon glasteel UST.

In February 1994, three soil borings and one groundwater monitoring well were advanced at the site. Soil samples collected during the investigation tested below laboratory detection limits for all petroleum hydrocarbon constituents. Groundwater samples collected from the monitoring well detected 74 ppb TPHg, and below laboratory detection limits for all other petroleum hydrocarbon constituents. The UST fuel leak case ID #4092/RO0001011 was closed by ACEH in February 1996.

In December 2003, Shaw Environmental removed one 10,000 gallon UST, which did not have any holes or leaks. Confirmation soil samples collected from the tank pit tested below laboratory detection limits for all petroleum hydrocarbon constituents. Groundwater was encountered in the tank pit at approximately 10 feet bgs. Grab groundwater samples collected from the tank pit tested 0.57µg/L benzene, 24 µg/L MtBE, 0.57 µg/L Tolunene, 1µg/L xylenes and 16 µg/L TBA. The UST excavation pit was backfilled with excavation fill material and clean imported backfill.

In August 2005, Hydrologue, Inc. conducted a phase II site investigation and installed three soil borings and two groundwater monitoring wells to further define soil and groundwater conditions on site. Analytical results from all soil and groundwater samples during this investigation tested below laboratory detection limits.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Low levels of MtBE are present in groundwater monitoring well MW-1 at concentrations of 0.84 ppb. Based on the general absence of TPHg, benzene and MtBE in soil samples collected near to the former UST tank pit, it appears that no residual source of contamination remains on site. In addition, the absence of TPH and other fuel

oxygenates in soil and groundwater indicates that site remediation activities have been effective. Since it does not appear that soil or groundwater are adversely impacted because of the past release of petroleum hydrocarbons associated with the former USTs, no further action is warranted at this site.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
Signature:	Date: 9/12/07
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 09/12/07

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

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

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH:	Date of Well Decommissioning Report: 11/21/07	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 3	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature:		Date: 1/30/08

Attachments:
1. Site Location Map
2. Site Plan Map
3. Site Plan Showing Extent of Excavation
4. Soil Analytical Data (4 Pages)
5. Groundwater Analytical Data (3 Pages)
6. Groundwater Elevation Map
7. Boring Logs (7 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.

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Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

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Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
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Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 09/12/07

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature:	Date: 9/18/07

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH:	Date of Well Decommissioning Report:	
All Monitoring Wells Decommissioned:	Number Decommissioned:	Number Retained:
Reason Wells Retained:		
Additional requirements for submittal of groundwater data from retained wells:		
ACEH Concurrence - Signature:		Date:

Attachments:
1. Site Location Map
2. Site Plan Map
3. Site Plan Showing Extent of Excavation
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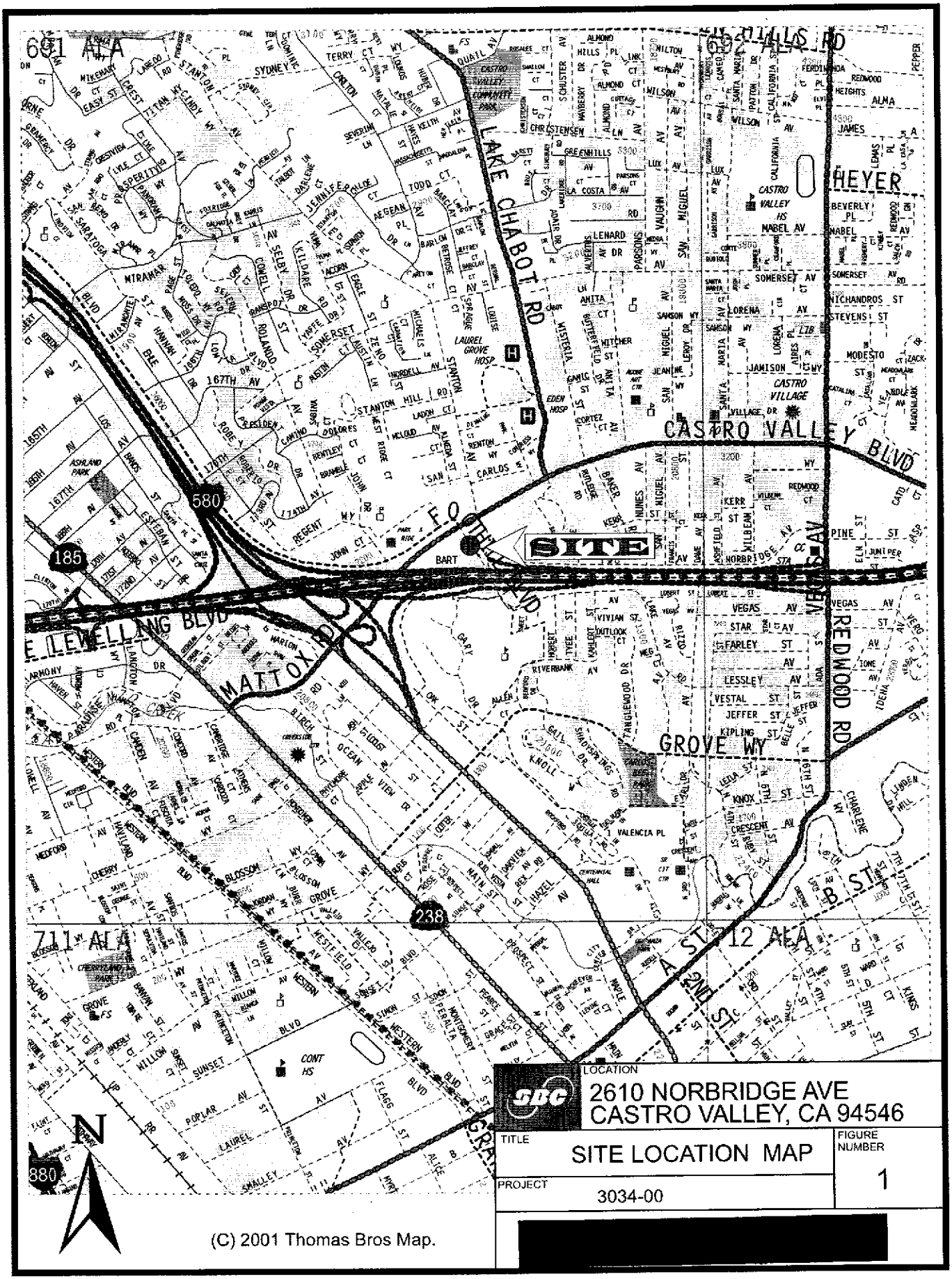


LOCATION

2610 NORBRIDGE AVE
CASTRO VALLEY, CA 94546

TITLE	FIGURE NUMBER
SITE LOCATION MAP	1
PROJECT 3034-00	

[redacted]

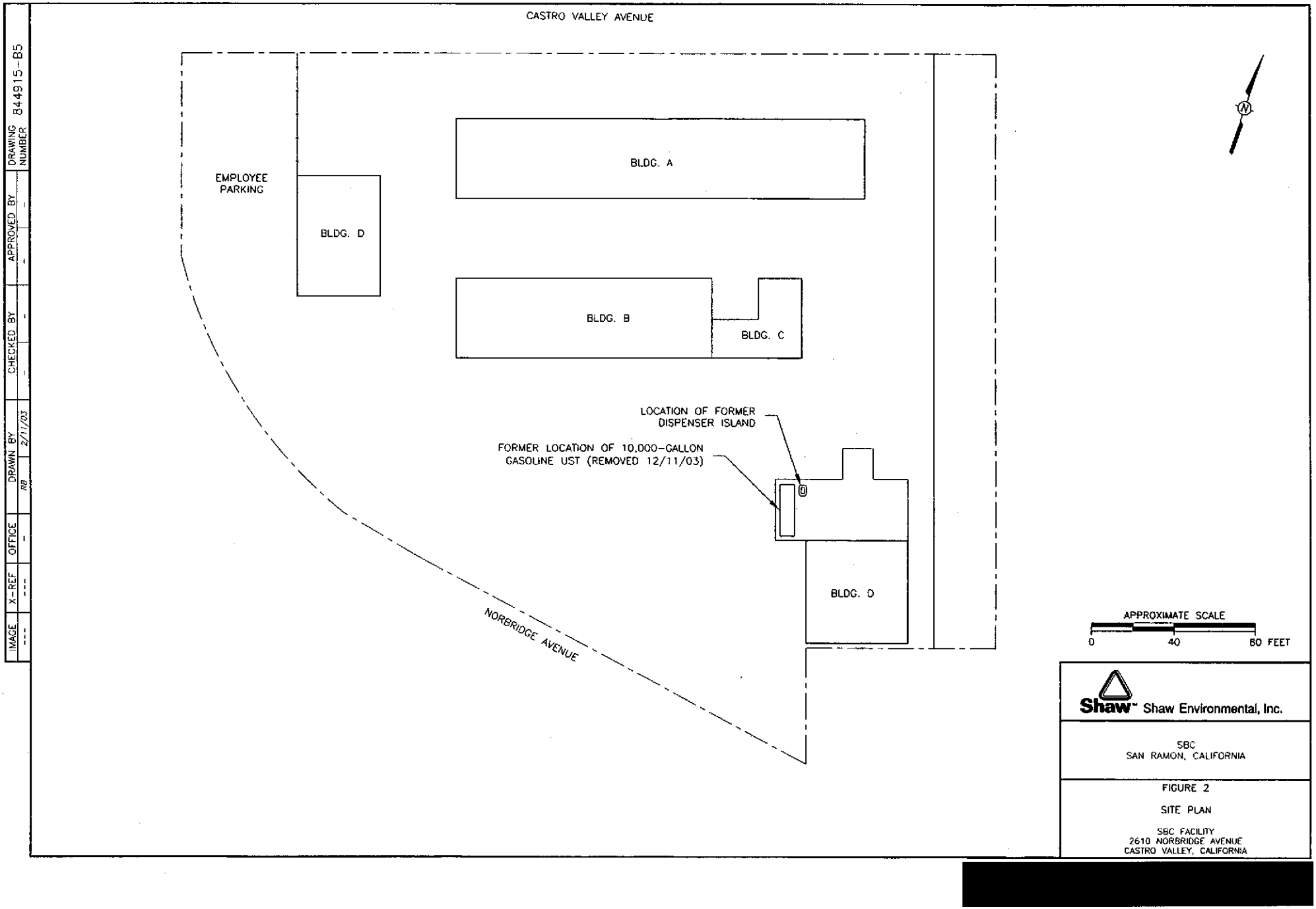


IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	-	RB 2/11/03	-	-	844915-B5

Shaw™ Shaw Environmental, Inc.

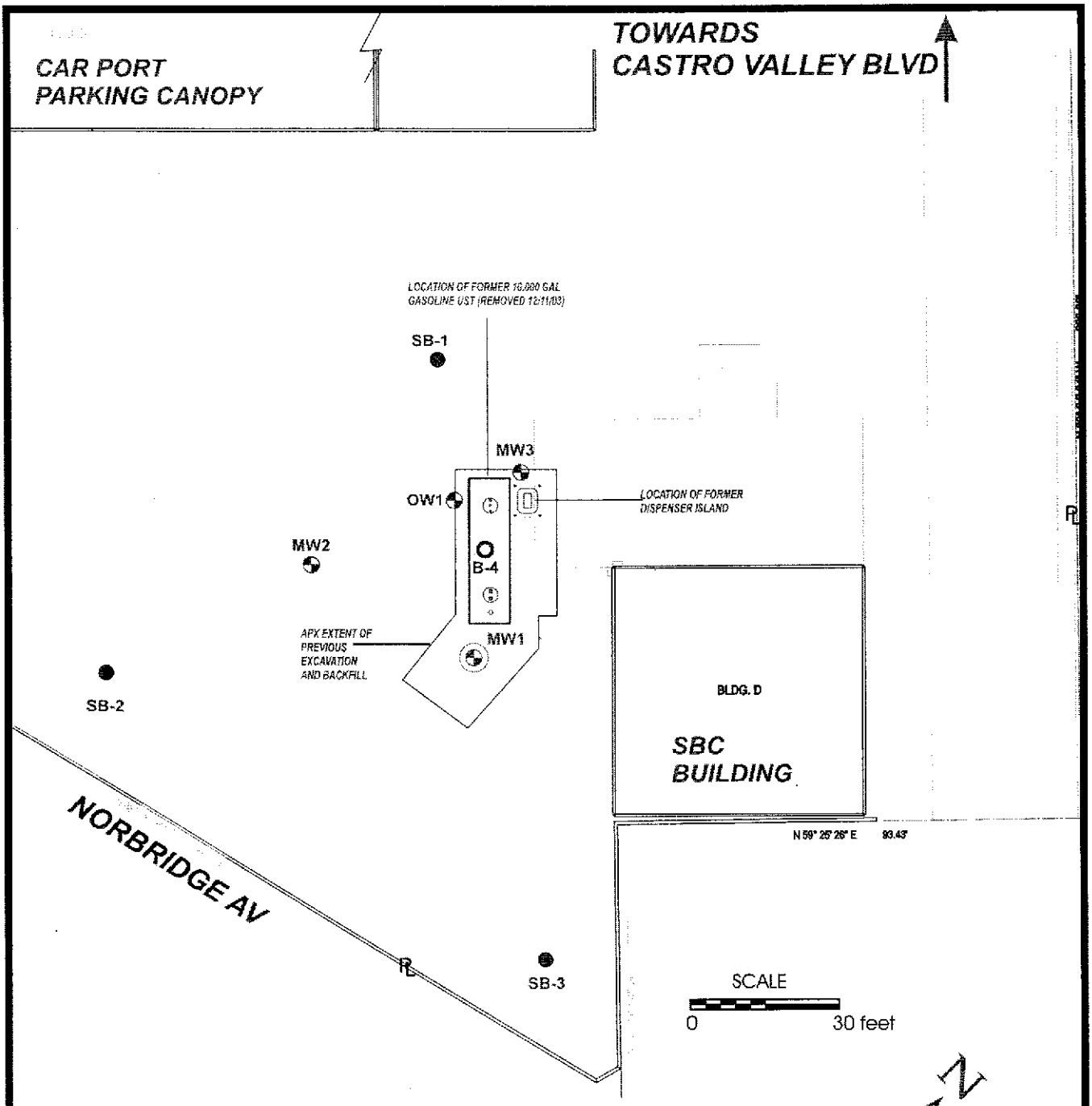
SBC
SAN RAMON, CALIFORNIA

FIGURE 2

SITE PLAN

SBC FACILITY
2610 NORBRIDGE AVENUE
CASTRO VALLEY, CALIFORNIA

[redacted]



MW2 & MW3 — GROUNDWATER MONITORING WELL (HI, 2005)

MW1 — EXISTING GROUNDWATER MONITORING WELL (IT, 1994)

OW1 — OBSERVATION WELL INSTALLED IN OLD UST BACKFILL

B-4 — SOIL BORING BELOW FORMER UST (HI, 2005)

SB-1 — SOIL BORING (IT, 1994)

CLIENT	LOCATION: 2610 NORBRIDGE AVE CASTRO VALLEY, CA 94546
TITLE: SITE PLAN	FIGURE NUMBER: 3
PROJECT: 3034-00	[redacted]

TABLE 3

RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES (1)

Sample No.	Depth (2)	Date	TPH gasoline (ppb)	Benzene (ppb)	Ethylbenzene (ppb)	Toluene (ppb)	Xylenes (ppb)
SB-1(7.5)	7.5	2-2-94	ND	ND	ND	ND	ND
SB-2(7.5)	7.5	2-2-94	ND	ND	ND	ND	ND
SB-3(7.5)	7.5	2-2-94	ND	ND	ND	ND	ND
SSC-1(2-94)	composite of drill cuttings	2-15-94	ND	ND	ND	ND	ND

Notes:

1. Soil samples analyzed for TPH (Total Petroleum Hydrocarbons) as gasoline by LUFT methods utilizing modified EPA Method No. 8015, for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method No. 8020.

2. Depth given in approximate feet below ground surface.

3. ND = Not Detected above reporting limit.

151933
PAC BELL – CASTRO VALLEY
TABLE OF SAMPLES COLLECTED

PACIFIC BELL ENGINEER – DUANE WALLACE
IT CORPORATION PROJECT MANAGER – MICHAEL MILLER

						LABORATORY RESULTS				
DATE	SAMPLE #	MATRIX	LOCATION	ANALYTICAL	T/A	TPHg	B	T	E	X
5/4/93	SOIL–1	SOIL	NORTH SIDEWALL – 6' BGS	TPHg/BTEX, TOT PB	RUSH	ND	ND	ND	ND	ND
5/4/93	SOIL–2	SOIL	NORTHEAST CORNER – 6' BGS	TPHg/BTEX, TOT PB	RUSH	ND	ND	ND	ND	ND
5/4/93	SOIL–3	SOIL	SOUTH SIDEWALL – 6' BGS	TPHg/BTEX, TOT PB	RUSH	12 ppm	ND	ND	ND	ND
5/5/93	GRABWATER–1	WATER	TANKPIT GROUNDWATER	TPHg/BTEX	RUSH	7500 ppb	ND	ND	110 ppb	110 ppb
5/10/93	SOIL–4	SOIL	ADD EXCAV SIDEWALL (WEST) 6' BGS	TPHg/BTEX	RUSH	490 ppm	ND	ND	8 ppm	4 ppm
5/10/93	SOIL–5	SOIL	ADD EXCAV SIDEWALL (SOUTH) 6' BGS	TPHg/BTEX	RUSH	1 ppm	ND	ND	ND	ND
5/10/93	SOIL–6	SOIL	ADD EXCAV SIDEWALL (EAST) 6' BGS	TPHg/BTEX	RUSH	8 ppm	.022 ppm	ND	.091 ppm	.047 ppm
5/10/93	SOILPILE–1	SOIL–COMP	CLEAN OVERBURDEN FROM ADD EXCAV	TPHg/BTEX, TCLP(8 RCRA), RCI	STANDARD	not in yet				
5/10/93	SOILPILE–2	SOIL–COMP	PEA GRAVEL FROM TANK REMOVAL	TPHg/BTEX, TCLP(8 RCRA), RCI	STANDARD					
5/10/93	SOILPILE–3	SOIL–COMP	DIRTY SOIL FROM ADD EXCAV	TPHg/BTEX, TCLP(8 RCRA), RCI	STANDARD					
5/10/93	SOILPILE–4	SOIL–COMP	DIRTY SOIL FROM ADD EXCAV	TPHg/BTEX, TCLP(8 RCRA), RCI	STANDARD					
5/14/93	SOIL–7	SOIL	ADD EXCAV SIDEWALL (WEST) 6.5' BGS	TPHg/BTEX	RUSH	ND	ND	ND	ND	ND

TABLE 2
Soil Sample Analytical Results
SBC Facility
2610 Norbridge Avenue
Castro Valley, California

Sample I.D.	Sample Location	Sample Depth (bsg)	Date Collected	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	3 Fuel Oxygenates	Lead Scavengers	Total Lead	Organic Lead
				(all results reported in parts per million)										
TP-1	tank excavation	8.1 feet	12/11/03	$ND_{1.0}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.025}$	$ND_{0.005}$	$ND_{0.005}$	12	$ND_{0.5}$
TP-2	tank excavation	9.2 feet	12/11/03	$ND_{1.0}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.025}$	$ND_{0.005}$	$ND_{0.005}$	12	$ND_{0.5}$
CS-1-4	Excavation stockpile	---	12/11/03	$ND_{1.0}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{0.025}$	$ND_{0.005}$	$ND_{0.005}$	$ND_{5.0}$	$ND_{0.5}$

Notes:
bsg – below surface grade
TPH-G – total petroleum hydrocarbons as gasoline
MTBE – methyl tertiary butyl ether
TBA- tert-butyl alcohol
3 Fuel oxygenates- tert-amyl methyl ether, di-isopropyl ether, and ethyl tert butyl ether
Lead Scavengers- 1,2-Dibromoethane and 1,2-Dichloroethane
ND_x – not detected above "x" laboratory detection limits

[redacted]

8.0 ANALYTICAL TESTING RESULTS

8.1 Soil Samples

The analytical testing results for soil samples collected from B-4, MW-2 and MW-3 during performance of investigation activities are summarized below:

- No TPH-g, BTEX, MTBE DIPE, ETBE, TAME, TBA, EDB, and EDC were detected above detection limits in any of the soil samples collected.

TABLE 2
Analytical Testing Results for Soil Samples
August 22, 2005

Sample	Benzene	Toluene	Eth. Ben.	Xylenes	TPH-g	MTBE	OTHER VOCs *
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MW2d5	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
MW2d10	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
MW2d15	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
MW3d5	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
MW3d10	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
MW3d15	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
MW3d20	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
B4d18	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
B4d23	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005
B4d28	<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005

* Other VOCs Include DIPE, ETBE, TAME, TBA, EDB, and EDC

No analytes were encountered in the QA/QC field equipment samples. A copy of the original laboratory report is provided in Appendix D. Analytical results of laboratory QA/QC samples, which include matrix spike/matrix spike duplicates, check blank, method blanks, continuing calibration verification, laboratory control sample/laboratory control sample duplicate, calibration standards, and reference standards, are also found in the laboratory reports and generally fall within acceptable ranges.

A copy of the original laboratory report is provided in Appendix D.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Shaw Environmental	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03
4005 Port Chicago Hwy		Date Received: 12/11/03
Concord, CA 94520	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
	Client P.O.:	Date Analyzed: 12/11/03

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0312227

Lab ID	0312227-001A	0312227-002A			Reporting Limit for DF =1	
Client ID	TP-1	TP-2				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				µg/Kg	ug/L
Diisopropyl ether (DIPE)	ND	ND			5.0	NA
tert-Amyl methyl ether (TAME)	ND	ND			5.0	NA
t-Butyl alcohol (TBA)	ND	ND			25	NA
1,2-Dibromoethane (EDB)	ND	ND			5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND			5.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND			5.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND			5.0	NA
Surrogate Recoveries (%)						
%SS:	100	101				
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

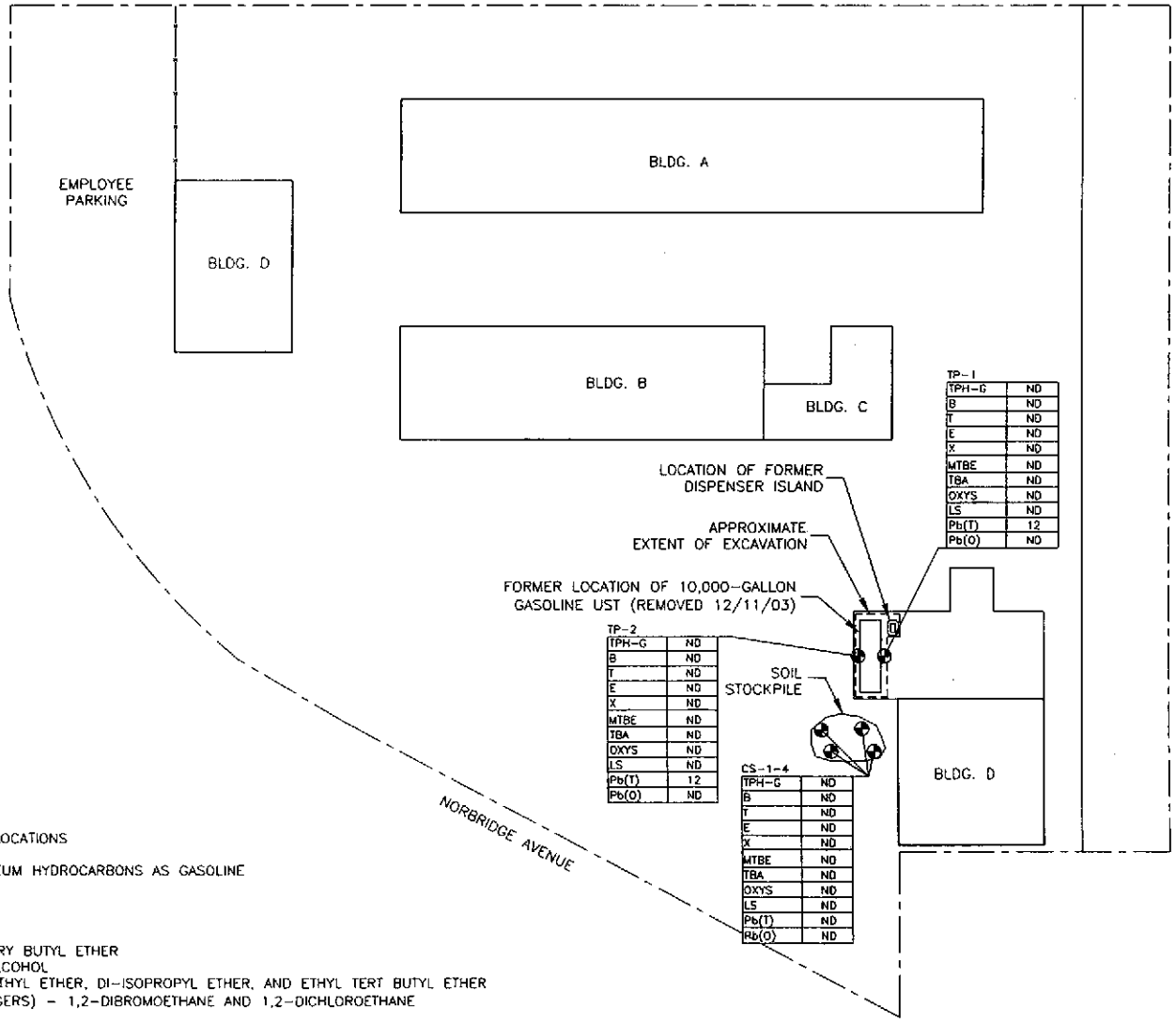
surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	-	RB 2/11/03	-	-	844915-B7



LEGEND

◕ SOIL SAMPLE LOCATIONS

TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
MTBE	METHYL TERTIARY BUTYL ETHER
TBA	TERT BUTYL ALCOHOL
OXYS	TERT AMYL METHYL ETHER, DI-ISOPROPYL ETHER, AND ETHYL TERT BUTYL ETHER
LS	(LEAD SCAVENGERS) - 1,2-DIBROMOETHANE AND 1,2-DICHLOROETHANE
Pb(T)	TOTAL LEAD
Pb(O)	ORGANIC LEAD
ND	NOT DETECTED ABOVE METHOD LIMITS

ALL RESULTS REPORTED IN PARTS PER MILLION (ppm)

APPROXIMATE SCALE

0 40 80 FEET

Shaw™ Shaw Environmental, Inc.

SBC
SAN RAMON, CALIFORNIA

FIGURE 4

SITE PLAN WITH SOIL SAMPLE ANALYTICAL RESULTS (12/11/03)
SBC FACILITY
2610 NORBRIDGE AVENUE
CASTRO VALLEY, CALIFORNIA

TABLE 1
Groundwater Sample Analytical Results
SBC Facility
2610 Norbridge Avenue
Castro Valley, California

Sample I.D.	Sample Location	Sample Depth (bsg)	Date Collected	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	3 Fuel Oxygenates	Lead Scavengers	Total Lead	Organic Lead
				(all results reported in parts per billion)										
TPW-1	tank excavation	10 feet	12/11/03	ND_{50}	**0.57**	**0.57**	$ND_{0.5}$	**1.0**	**24**	**16**	$ND_{0.5}$	$ND_{0.5}$	**6.6**	$ND_{5.0}$

Notes:
bsg – below surface grade
TPH-G – total petroleum hydrocarbons as gasoline
MTBE – methyl tertiary butyl ether
TBA- tert-butyl alcohol
3 Fuel oxygenates- tert-amyl methyl ether, di-isopropyl ether, and ethyl tert butyl ether
Lead Scavengers- 1,2-Dibromoethane and 1,2-Dichloroethane
ND_x – not detected above "x" laboratory detection limits

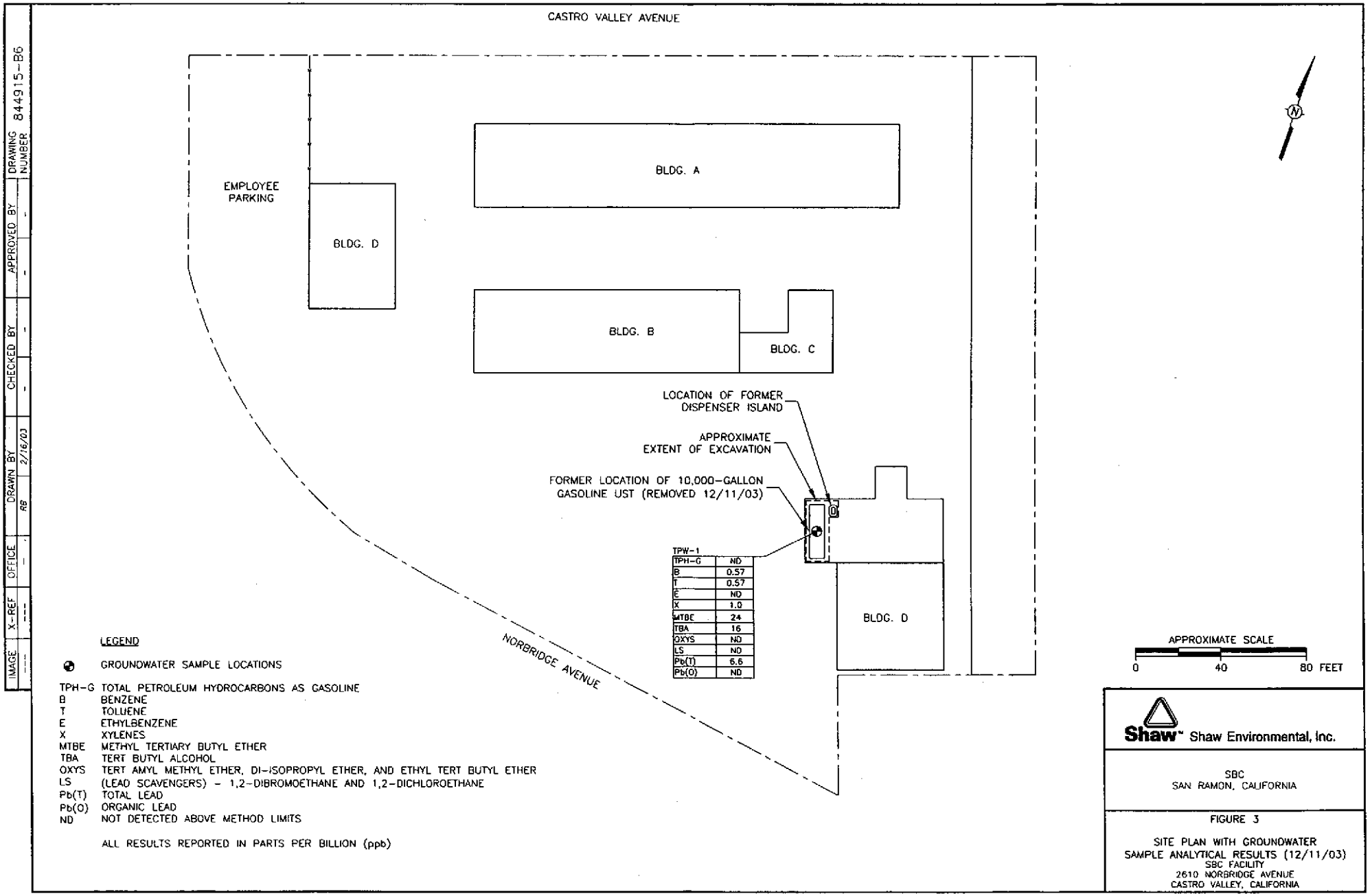
[redacted]

2610 Norbridge Ave
Castro Valley, CA 94546

Summary of Groundwater and Soil Data

TABLE 1

Well No.	Top of Casing	Water	GW	Concentrations (ppb)							
Date Sampled	Elevation feet MSL	Depth ft/bgs	Elevation	B	T	E	X	TPH-g	MTBE	ETBE, DIPE, TBA, TAME	EDB, EDC
Residential ESLs Feb 2005				**46**	**130**	**290**	**100**	**500**	**1800**		
Commercial ESLs Feb 2005				**46**	**130**	**290**	**100**	**500**	**1800**		
GROUNDWATER DATA (ug/L)											
MW1											
7/19/05	172.97	6.00	166.97	<0.5	<0.5	<0.5	<0.5	<50	0.84	<0.5-<50	<0.5
9/13/05	172.97	6.59	166.38	<0.5	<0.5	<0.5	<0.5	<50	0.65	<0.5-<50	<0.5
MW2											
9/13/05	174.50	7.79	166.71	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5-<50	<0.5
MW3											
9/13/05	173.83	7.69	166.14	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5-<50	<0.5
OW1											
7/19/05	174.19	7.21	166.98	<0.5	<0.5	<0.5	<0.5	<50	0.67	<0.5-<50	<0.5
9/13/05	174.19	7.21	166.98	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5-<50	<0.5
SOIL DATA (mg/Kg)				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Residential ESLs Feb 2005				**0.18**	**9.3**	**32**	**11**	**100**	**2**		
Commercial ESLs Feb 2005				**0.38**	**9.3**	**32**	**11**	**400**	**5.6**		
8/22/05											
MW2d5				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
MW2d10				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
MW2d15				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
MW3d5				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
MW3d10				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
MW3d15				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
MW3d20				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
B4d18				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
B4d23				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005
B4d28				<0.005	<0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005



LEGEND

GROUNDWATER SAMPLE LOCATIONS

TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
MTBE	METHYL TERTIARY BUTYL ETHER
TBA	TERT BUTYL ALCOHOL
OXYS	TERT AMYL METHYL ETHER, DI-ISOPROPYL ETHER, AND ETHYL TERT BUTYL ETHER
LS	(LEAD SCAVENGERS) - 1,2-DIBROMOETHANE AND 1,2-DICHLOROETHANE
Pb(T)	TOTAL LEAD
Pb(O)	ORGANIC LEAD
ND	NOT DETECTED ABOVE METHOD LIMITS

ALL RESULTS REPORTED IN PARTS PER BILLION (ppb)

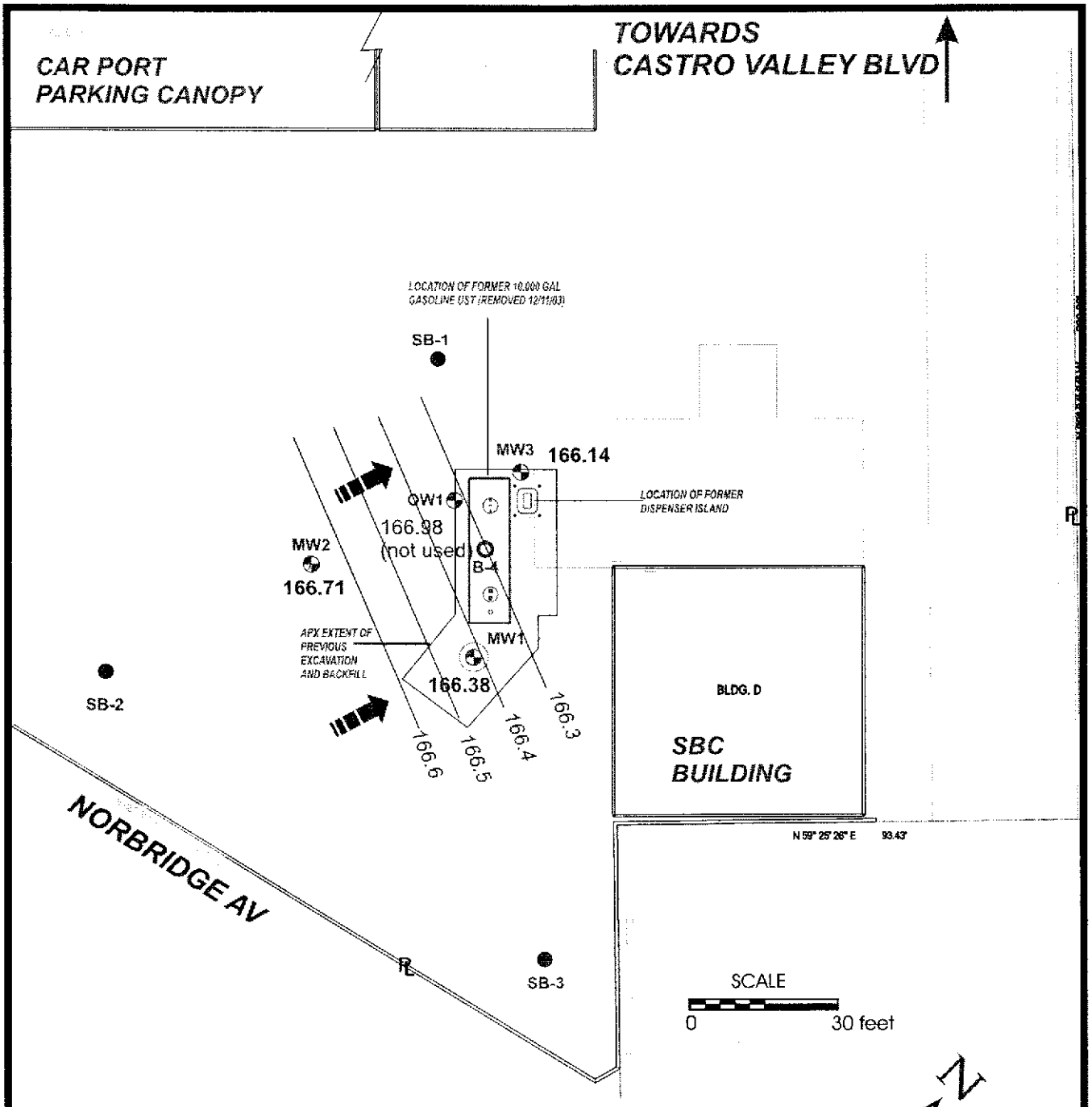
IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	---	RB 2/16/03	-	-	844915-B6

Shaw™ Shaw Environmental, Inc.

SBC
SAN RAMON, CALIFORNIA

FIGURE 3

SITE PLAN WITH GROUNDWATER SAMPLE ANALYTICAL RESULTS (12/11/03)
SBC FACILITY
2610 NORBRIDGE AVENUE
CASTRO VALLEY, CALIFORNIA



CLIENT GBC

LOCATION
2610 NORBRIDGE AVE
CASTRO VALLEY, CA 94546

TITLE
GROUNDWATER MAP
SEPTEMBER 13, 2005

FIGURE NUMBER
4

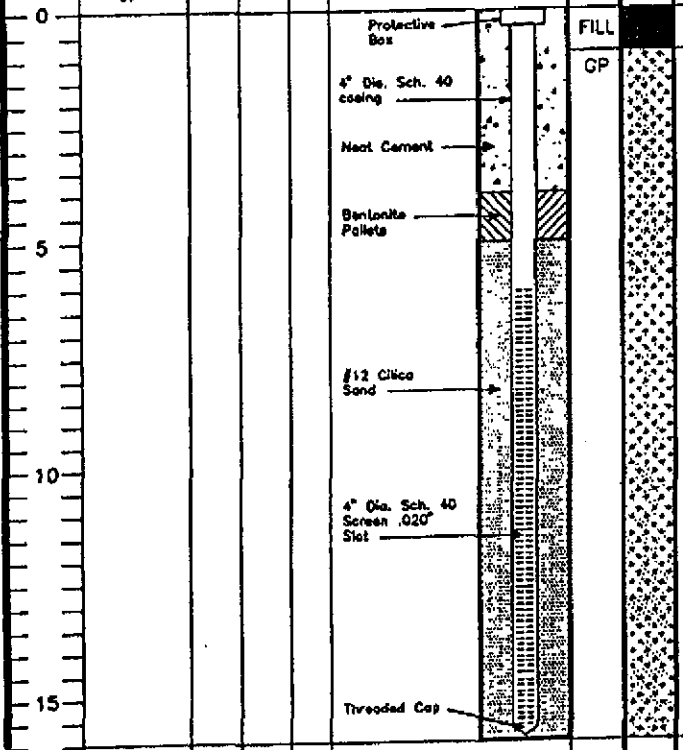
PROJECT 3034-00

[redacted]

(5)

BORING NO. MW-1

FIELD GEOLOGIST: M. MILLER
CHECKED BY: M. MILLER
GROUND SURFACE EL.: N/A
TOP OF CASING EL.: N/A
DATE BEGAN: 02/02/94
DATE FINISHED: 02/02/94
TOTAL DEPTH: 16 FT.
DEPTH TO WATER: 5.2 FT.



Asphalt and concrete.

Pea gravel – tank fill.

Collecting first sample from first native material.

encountered water at 6.5 feet (BGS)

TOTAL DEPTH 16 FT.

COMMENTS:

Location is within excavated area of tankpit.
Lots of water and gravel inside auger.
No sample collected because native material was not encountered.

DRILLING CO.: Kvilhaug Drilling
DRILL METHOD: Hollow Stem Auger
SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933
CLIENT: Pacific Bell
LOCATION: 2610 Norbridge Avenue, Castro Valley, California.

INTERNATIONAL TECHNOLOGY CORPORATION

hydrologue, Inc.
Consulting Engineers and Geologists

NOTE: DATA PRESENTED IN THIS LOG IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED AND APPLIES ONLY AT THE SPECIFIC LOCATION AND TIME INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS OR TIMES.

Project: **SBC-Castro Valley**	Location: **2610 Norbridge Avenue, Castro Valley, CA**	Project #: 3034-00
Logged By: RO	Start/Finish Date: 8-22-05	Boring I.D.: MW-2
1st Water Table (bgs):	Sampling Method (bgs): CA Modified Split Spoon	PID:
Last Water Table (bgs):	Wt. of Hammer (lb): #140 Hole Diameter: **8"**	Elevation:
Rig Type: CME	Drilling Contractor: WDC	Weather:

Depth (ft.)	Sample Interval	Blow Count	Time	PID (ppm)	Lithology	USCS	Lithologic Description (Soil classification, Color, Grain Size, Moisture, Consistency, Other)	Remarks
0							0-4" Asphalt	
						SP	Fill- sand, light brown, fine to medium, moist, dense, some silt and gravel	
						CL	Natural ground- sand clay, dark brown-gray, moist, very stif to hard, some angular gravel	
5		10/16/21	10:55	0			@ 7' becomes very hard, gravelly clay	
10		64 53(3")	11:10	0			Bedrock: Joaquin Miller Formation Shale; excavates as dry, brown, silty clay with sand; oxidized, weathered	
15		61 73(3")	11:25	0			More brittle, weathered, wet seams at 14'-14.5'	
20							4 bags sand x 100# to 4'	
							Set 10' screen 5'-15' 1 bag bentonite, 1 bag portland cement, then well box in concrete	
25							Total Depth Drilled = 15 feet bgs. Total Depth Sampled = 15 Groundwater encountered @14' No caving. Soil boring was converted into gwm MW-2.	
30								
35								
40								

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Consulting Engineers and Geologists

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Project: **SBC-Castro Valley**	Location: **2610 Norbridge Avenue, Castro Valley, CA**	Project #: 3034-00
Logged By: RO	Start/Finish Date: 8-22-05	Boring I.D.: MW-3
1st Water Table (bgs):	Sampling Method (bgs): CA Modified Split Spoon	PID:
Last Water Table (bgs):	Wt. of Hammer (lb): #140 Hole Diameter: **8"**	Elevation:
Rig Type: CME	Drilling Contractor: WDC	Weather:

Depth (ft.)	Sample Interval	Blow Count	Time	PID (ppm)	Lithology	USCS	Lithologic Description [Soil classification, Color, Grain Size, Moisture, Consistency, Other]	Remarks
0							0-6" Asphalt	
						SP	Fill- sand, brown, moist, dense, some clay and gravel	
						CL	Sandy clay, grey-blue, moist, firm to hard, some gravel	
5		12/21/31	12:45	0			2" grey fine sand seam at 5'	
							@ 8' Sandy clay, brown, slightly moist, very hard, brittle, moderately weathered	
10		21/50	13:00	0			Bedrock - Joaquin Miller Formation Shale; highly weathered	
15		21/36/43	13:15	0			Becomes grey with brown and yellow mottling, more weathered	
20		61/100	13:30	0			Less weathered	
25							No groundwater observed while drilling Set 15' screen at 5'-20' 5 bags sand x 100# to 4' 1 bag bentonite, 1 bag portland cement, then well box in concrete Total Depth Drilled = 20 feet bgs. Total Depth Sampled = 20 No groundwater encountered during drilling No caving. Soil boring was converted into gwm MW-3.	
30								
35								
40								

BORING NO. SB-1

FIELD GEOLOGIST: M. MILLER
CHECKED BY: M. MILLER
GROUND SURFACE EL.: N/A
TOP OF CASING EL.: N/A
DATE BEGAN: 02/02/94
DATE FINISHED: 02/02/94
TOTAL DEPTH: 30 Feet
DEPTH TO WATER: NOT FOUND

DEPTH IN FEET	SAMPLE NUMBER & INTERVAL	BLOW COUNT	RECOVERY (%)	P I D (ppb)	USCS	PROFILE
0					FILL	2" Asphalt, 10" Roadbase fill.
					ML	Silt: moderate yellowish brown (10YR 5/4), dry.
					CL	CLAY; olive gray (5Y 3/2), damp, very silty.
5	SB-1-5'	27	85	0		becomes grayish olive (10YR 4/2) at 7.0 feet.
	SB-1-7.5'	65	90	0		
10	SB-1-10'	85		0		
	SB-1-12.5'	65		0	CL	CLAYSTONE; moderate yellowish brown (10YR 5/4), dry hard, highly sheared.
15	SB-1-15'	72		0		
20						becoming bedrock, very hard drilling, very dry.
25						COMMENTS: No water found. Boring terminated at 30 feet. Backfilled with grout.
30						Hit bedrock– Refusal
						TOTAL DEPTH 30 FEET

BORING SUMMARY: Cement grout

PAGE 1 OF 1

DRILLING CO.: Kvilhaug Drilling
DRILL METHOD: Hollow Stem Auger
SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933
CLIENT: Pacific Bell
LOCATION: 2610 Norbridge Avenue, Castro Valley, California.

INTERNATIONAL TECHNOLOGY CORPORATION

(7)

BORING NO. SB-2

FIELD GEOLOGIST: M. MILLER
CHECKED BY: M. MILLER
GROUND SURFACE EL.: N/A
TOP OF CASING EL.: N/A
DATE BEGAN: 02/02/94
DATE FINISHED: 02/02/94
TOTAL DEPTH: 16 FT.
DEPTH TO WATER: NOT FOUND

DEPTH IN FEET	SAMPLE NUMBER & INTERVAL	BLOW COUNT	RECOVERY (%)	P I D (ppb)	BORING SUMMARY	USCS	PROFILE	
0					Cement grout	FILL		Gravelly base-rock fill.
						CL		CLAY; dark gray (N3), stiff.
5						ML		SILT; moderate yellowish brown (10YR 5/4), damp.
						CL		CLAY; olive gray (5Y 3/2), damp, stiff.
	SB-2-7.5'	70	80	0				
10								becomes moderate yellowish brown at 11.0 feet.
								becoming bedrock
15	SB-2-15'	85	50	0				hit claystone bedrock; drill rig refusal.
								TOTAL DEPTH 16 FEET
20								COMMENTS: No water found. Boring terminated at 16 feet. Backfilled with grout.
25								
30								

DRILLING CO.: Kvilhaug Drilling
DRILL METHOD: Hollow Stem Auger
SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933
CLIENT: Pacific Bell
LOCATION: 2610 Norbridge Avenue, Castro Valley, California.

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. SB-3

FIELD GEOLOGIST: M. MILLER
CHECKED BY: M. MILLER
GROUND SURFACE EL.: N/A
TOP OF CASING EL.: N/A
DATE BEGAN: 02/02/94
DATE FINISHED: 02/02/94
TOTAL DEPTH: 17 FT.
DEPTH TO WATER: NOT FOUND

DEPTH IN FEET	SAMPLE NUMBER & INTERVAL	BLOW COUNT	RECOVERY (%)	P I D (ppm)	BORING SUMMARY	USCS	PROFILE
0					Cement grout	FILL	Asphalt and fill.
						CL	CLAY; dark gray (N3), damp, stiff.
5							
	SB-3-7.5'	71	80	0			CLAY; olive gray (5Y 3/2), damp, very stiff.
10							becomes moderate brown at 12 ft.
							hard drilling, becomes bedrock.
15	SB-3-15'	50	50	0			hit claystone bedrock; drill rig refusal.
							TOTAL DEPTH 17 FEET
20							COMMENTS: No water found. Boring terminated at 17 feet. Backfilled with grout.
25							
30							

DRILLING CO.: Kvilhaug Drilling
DRILL METHOD: Hollow Stem Auger
SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933
CLIENT: Pacific Bell
LOCATION: 2610 Norbridge Avenue, Castro Valley, California.

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Project: **SBC-Castro Valley**	Location: **2610 Norbridge Avenue, Castro Valley, CA**	Project #: 3034-00
Logged By: RO	Start/Finish Date: 8-22-05	Boring I.D.: B-4
1st Water Table (bgs):	Sampling Method (bgs): CME Continous Sampler	PID:
Last Water Table (bgs):	Wt. of Hammer (lb): #140 Hole Diameter: **8"**	Elevation:
Rig Type: CME	Drilling Contractor: WDC	Weather:

Depth (ft.)	Sample Interval	Blow Count	Time	PID (ppm)	Lithology	USCS	Lithologic Description (Soil classification, Color, Grain Size, Moisture, Consistency, Other)	Remarks
0						SP	Pea gravel	
15	■	CME(2')	16:30	0			Bedrock - Joaquin Miller Formation Shale; excavates as Sandy clay, grey-blue, slightly moist, very hard, fresh	
20	■	CME(5')	17:00	0			Thin ¼" to ½" brittle seams at 21-22', but no indication of water in boring	
25	■	CME(5')	17:20	0			Thin 1/8" calcified fracture at 27'-28' subvertical	
30							Total Depth Drilled = 28' feet. Groundwater encountered in pea gravel backfill at 8 feet bgs Trimmed grout down augers - 120 gallons Auger Refusal at 28 feet	
35								
40								