



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

February 27, 2013

Mr. Peter Puckett
Berkeley Farms
P.O. Box 4616
Hayward, CA 94540-4616

Mr. Mitch Fine
Armstrong Premier Property LLC
4574 San Pablo Avenue
Emeryville, CA 94608

Ms. Karen Bellini
Harmon Management Co.
199 First Street, Suite 212
Los Altos, CA 94022

Subject: Case Closure for Fuel Leak Case No. RO0000245 and GeoTracker Global ID T0600102075, Berkeley Farms, 4575 San Pablo Avenue, Emeryville, CA 94608

Dear Responsible Parties:

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. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Total petroleum hydrocarbons as diesel remains in soil at concentrations up to 1,300 ppm.
- Total petroleum hydrocarbons as motor oil remains in soil at concentrations up to 2,000 ppm.
- As described in section IV of the attached Case Closure Summary, the case was closed with Site Management Requirements that limit future land use to commercial land use only.

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

Sincerely,

Donna L. Drogos, Division Chief
Division Chief

Enclosures:

1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

Markus Niebanck
Emeryville Redevelopment Agency
1333 Park Ave.
Emeryville, CA 94608 (Sent via electronic mail to
mniebanck@ci.emeryville.ca.us)

Closure Unit
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120
(uploaded to GeoTracker)

Andrew Lojo
Antea Group
1350 Treat Blvd., Suite 250
Walnut Creek, CA 94597 (Sent via E-mail to:
Andy.Lojo@anteagroup.com)

Norman Stone
Dean Foods
1415 E. 5050 S
Ogden, UT 88403 (Sent via electronic mail to
Norm.Stone@deanfoods.com)

Nicole Persaud
Antea Group
1350 Treat Blvd., Suite 250
Walnut Creek, CA 94597 (Sent via E-mail to:
Nicole.Persaud@anteagroup.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker (w/enc)
eFile (w/orig enc)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

ALEX BRISCOE, Director

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

REMEDIAL ACTION COMPLETION CERTIFICATION

February 27, 2013

Mr. Peter Puckett
Berkeley Farms
P.O. Box 4616
Hayward, CA 94540-4616

Mr. Mitch Fine
Armstrong Premier Property LLC
774 Hanson Street *new address*
San Francisco, CA 94107-1235

Ms. Karen Bellini
Harmon Management Co.
199 First Street, Suite 212
Los Altos, CA 94022

Subject: Case Closure for Fuel Leak Case No. RO0000245 and GeoTracker Global ID T0600102075, Berkeley Farms, 4575 San Pablo Avenue, Emeryville, CA 94608

Dear Responsible Parties:

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.

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

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

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,


Ariu Levi
Director

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

I. AGENCY INFORMATION

Date: April 6, 2006

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

II. CASE INFORMATION

Site Facility Name: Berkeley Farms Truck Shop Yard		
Site Facility Address: 4575 San Pablo Avenue, Emeryville, CA 94608		
RB Case No.: 01-2259	Local Case No.: 6558	LOP Case No.: RO0000245
URF Filing Date: 11/24/1997	SWEEPS No.: ---	APN: 049-1178-5
Responsible Parties	Addresses	Phone Numbers
Peter Puckett Berkeley Farms	P.O. Box 4616, Hayward, CA 94540-4616	510-265-8600
Karen Bellini Harmon Management Co.	199 First Street, Suite 212, Los Altos CA 94022	
Mitch Fine Armstrong Premier Property LLC	774 Harrison Street, San Francisco, CA 94107-1235	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1-4	Unknown	Reported Fuel	Reported Removed	Reported removed in 1966
5	500-gallon	Waste Oil	Reported Removed	Not known
Piping			Reported Removed	Not known

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown	
Site characterization complete? Yes	Date Approved By Oversight Agency: -----

Monitoring wells installed? Yes	Number: 2	Proper screened interval? --
Highest GW Depth Below Ground Surface: 4 feet	Lowest Depth: 9 ft.	Flow Direction: West Northwest
Most Sensitive Current Use: Potential Drinking water source.		

Summary of Production Wells in Vicinity: Based on well survey information from adjacent site at 4343 San Pablo Avenue, 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: San Francisco Bay 3,100 feet to west
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	Four fuel tanks One waste oil tank	Not reported Not reported	Reported 1966 Not known
Piping	Not reported	Not reported	Not reported
Free Product	Not reported	---	---
Soil	95.5 tons	Transported to Allied Waste Landfill in Manteca, CA for disposal	01/16/1998
Groundwater	21,600 gallons	Transported to Seaport Environmental, Inc. in Redwood City, CA for disposal	12/97 to 01/1998

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	810	1.2	4,200	<50
TPH (Diesel)	8,200	1,300	14,000	<50
TPH (Motor Oil)	25,000	2,000	21,000	<250
Oil and Grease	NA	NA	NA	NA
Benzene	<0.005	<0.005	220	<0.5
Toluene	12	<0.005	510	<0.5
Ethylbenzene	140	<0.005	800	<0.5
Xylenes	190	<0.005	1,100	<0.5
Heavy Metals	250(1)	9.7(1)	<5(2)	<5(2)
MTBE	<0.1	<0.1	24	24
Other (8240/8270)	11(3)	<0.5	7.0(4)	<0.5

- (1) Lead; cadmium = 5.0 ppm before cleanup and 0.74 ppm after cleanup; chromium = 30 before cleanup and 29 ppm after cleanup; nickel = 44 ppm before and after cleanup; and zinc = 45 ppm before cleanup and 43 ppm after cleanup.
- (2) Lead; no other metals analyses reported.
- (3) 1,2-Dichlorobenzene; no other VOCs detected.
- (4) 1,1-Dichloroethane; 1,2-Dichlorobenzene = 4.3 ppb; 1,2-Dichloroethane = 1.8 ppb; and 1,4-Dichlorobenzene = 0.6 ppb; no other VOCs detected.

Site History and Description of Corrective Actions:

The site (APN 49-1178-5) is located at 4575 San Pablo Avenue in Emeryville and operated as a truck repair shop and yard for the Berkeley dairy facility until approximately 1998. The parcel south of the site (APN 49-1178-4), which has an address of 4501 San Pablo Avenue, was also part of the former Berkeley Farms truck repair shop but was subdivided into a separate fuel leak case (RO0002452) in 2002 since the property was split into separate parcels and the sources of contamination and site history were different for the northern and southern parcels. Four gasoline underground storage tanks (USTs) were reportedly removed from the site within an area adjacent to San Pablo Avenue in 1966. No tank closure report or analytical data are available from the 1966 tank removal. A waste oil tank was reportedly removed from the northwestern portion of the parcel; the date of the removal is not known. No tank closure report or analytical data are available from the waste oil tank removal.

A soil and groundwater investigation was conducted to investigate the former fuel tanks and waste oil tank in October 1997. Boring SB6 was located in the former gasoline tank pit along San Pablo Avenue. TPHd and TPHm were detected in soil at a depth of two feet below ground surface at concentrations of 5 and 8 ppm, respectively. A grab groundwater sample from boring SB6 contained 120 ppb of TPHd; TPHg and TPHm were not detected. Based on these results no further investigation or cleanup of the former fuel tank pit was necessary. Elevated concentrations of TPHg, TPHd, and TPHm were detected in soil samples and the grab groundwater sample from Boring SB7, which was located in the former waste oil tank pit. Between November 22, 1997 and January 14, 1998, several phases of excavation were conducted to remove contaminated soil and groundwater from the waste oil tank pit. The area surrounding the former waste oil tank pit was excavated to a depth of 13.5 feet bgs. Final confirmation soil samples collected from the sidewalls and bottom of the former waste oil tank pit did not contain detectable concentrations of TPHg, TPHd, or BTEX. The maximum concentration of total recoverable petroleum hydrocarbons in the final confirmation soil samples was 31 ppm. A total of approximately 95.5 tons of contaminated soil and 21,600 gallons of water were removed from the former waste oil tank pit during excavation.

Two groundwater monitoring wells (MW-2 and MW-3) were installed at the site and one monitoring well was installed on the adjacent parcel to the south (MW-1) on February 20, 1998. The three monitoring wells were sampled quarterly from February 1998 to December 2001. Well MW-2 is several feet west (downgradient) of the former waste oil tank excavation. TPHd was initially detected (February 1998) in well MW-2 at a concentration of 14,000 ppb. The concentration of TPHd in groundwater from well MW-2 decreased to <50 ppb during the five most recent monitoring events between December 2000 and December 2001. TPHg and benzene were detected in groundwater from well MW-2 at concentrations up to 2,000 ppb and 220 ppb but were not detected during the five most recent monitoring events between December 2000 and December 2001. TPHg, TPHd, and BTEX were not detected in well MW-3, which is cross gradient from the potential on-site sources.

Three additional soil borings designated B-1 through B-3 were installed downgradient of the former waste oil tank pit on the AC Transit property west of the site. TPHg, TPHd, TPHm, BTEX, and MTBE were not detected in soil and groundwater samples from the three borings.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for the fuel leak site is granted for commercial land use only. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated. These site management requirements are to be entered into the City of Emeryville's OSIRIS (One Stop Interactive Resource information System) Map Server due to the residual contamination remaining at the site.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 2
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

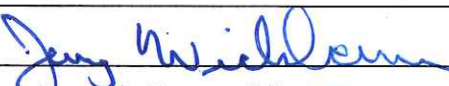
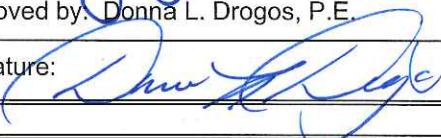
Tank removal activities for the former gasoline USTs and the waste oil UST were not documented. Soil and groundwater quality in the areas of the former USTs were characterized by soil and grab groundwater sampling from soil borings in the areas of the former USTs. Based on the results of a soil and groundwater samples within the former gasoline tank pit, no further investigation or remediation was necessary. The former waste oil tank pit was overexcavated to remove the contaminant source.

MTBE was detected at a maximum concentration of 24 ppb in groundwater collected from cross gradient well MW-3. The MTBE is likely from an off-site upgradient source.

Conclusion:

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

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: 	Date: 05/06/2006
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 04/06/06

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

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 4/6/06
Signature: <i>Cherie McCaulou</i>	Date: 4/13/06

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 04/14/06	Date of Well Decommissioning Report: 02/05/13	
All Monitoring Wells Decommissioned: <input checked="" type="radio"/> Yes <input type="radio"/> No	Number Decommissioned: 2	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature: <i>Jerry Wickham</i>		Date: 02/27/13

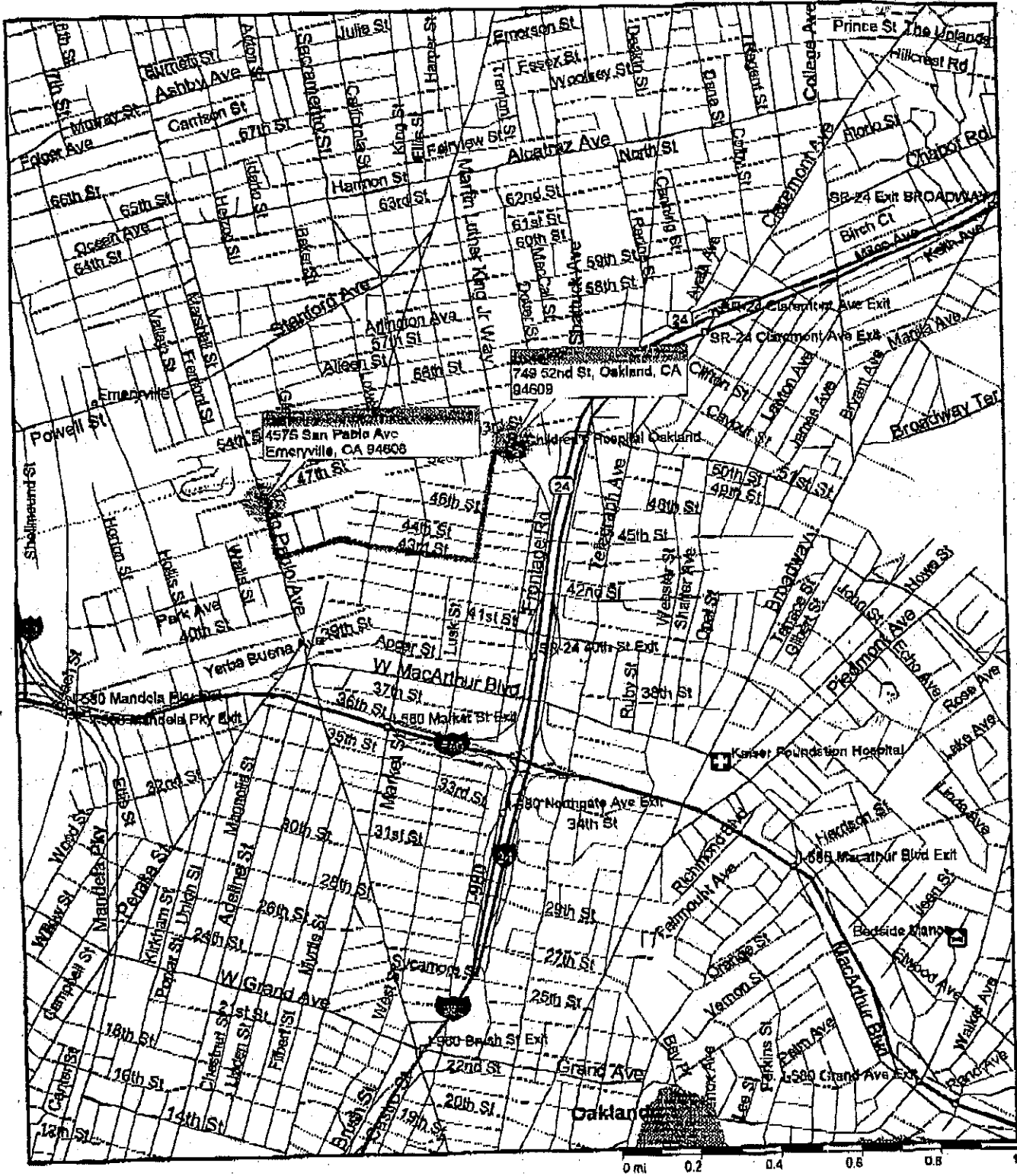
Attachments:

1. Site Vicinity Map
2. Potentiometric Surface Map - September 8, 1999
3. Site Plan; Sampling Locations Map; Former Waste Oil Tank Excavation; Petroleum Hydrocarbons in Groundwater - October 30, 1998; Petroleum Hydrocarbons in Groundwater - September 9, 1999,
4. Soil Analytical Data
5. Groundwater Analytical Data
6. Boring Logs

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

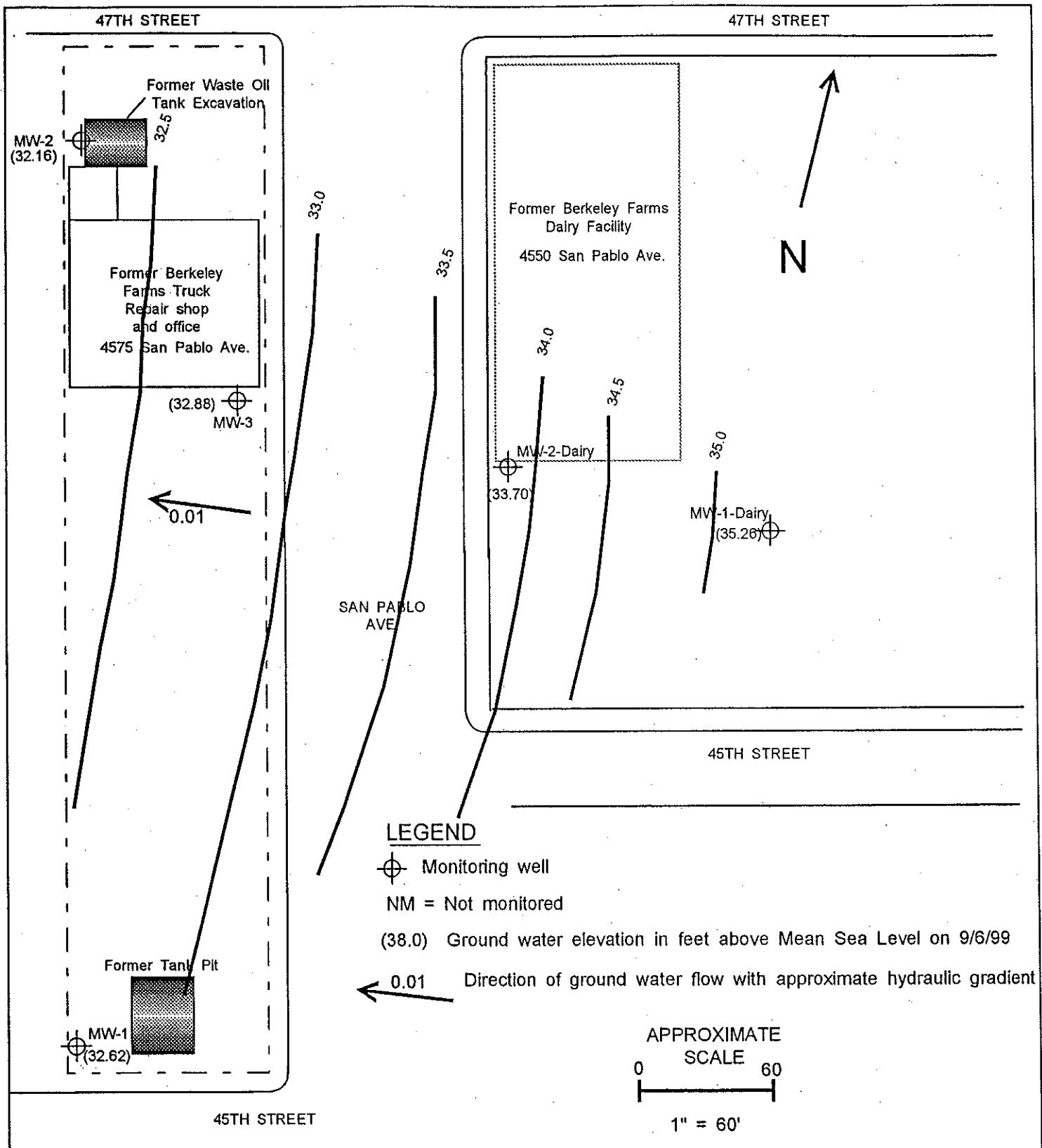
Site Location and Hospital Route Map

Berkeley Farms Truck Repair Shop & Yard, 4575 San Pablo Avenue, Emeryville, CA



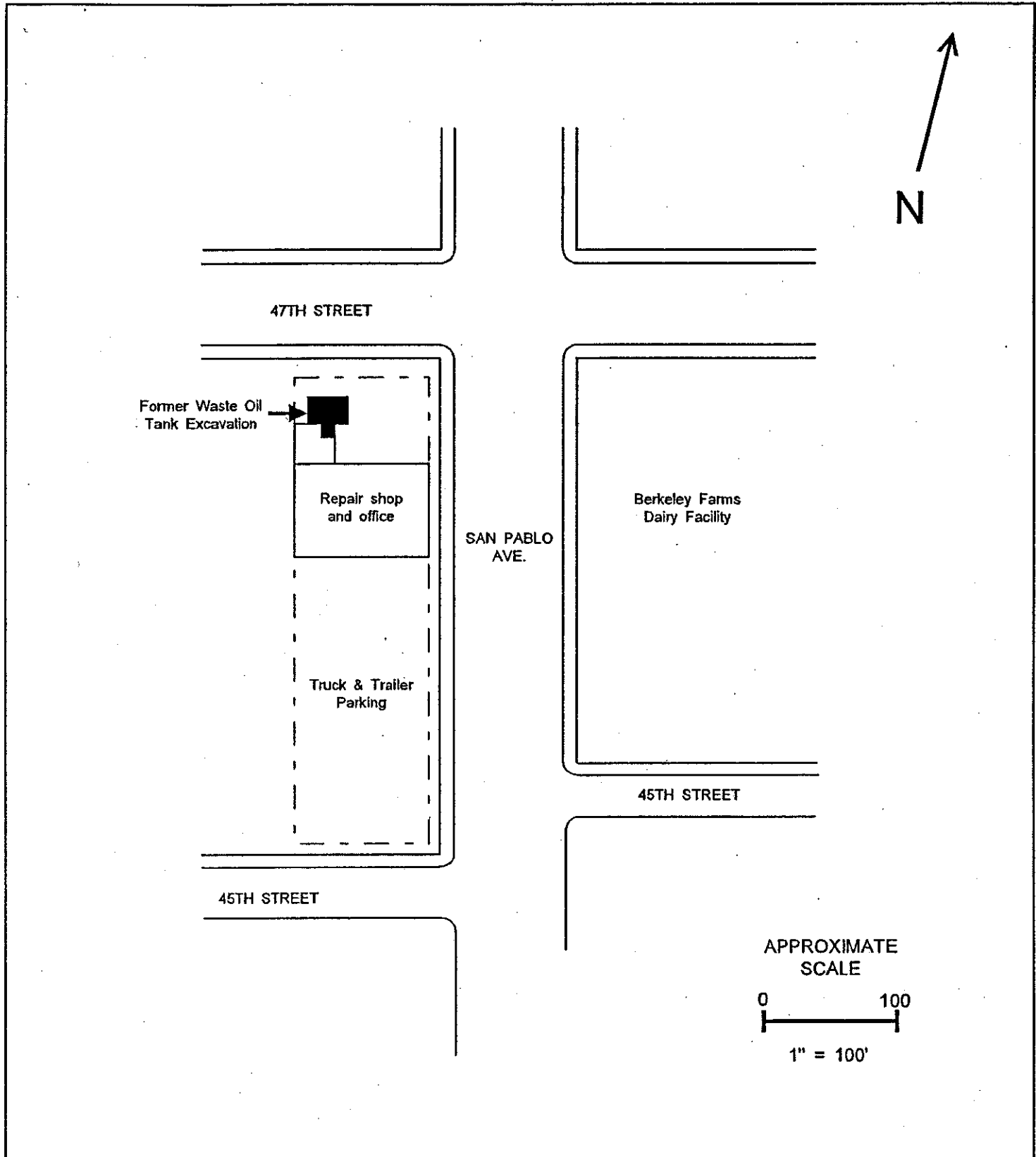
Streets98

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Former Berkeley Farms Facility 4575 San Pablo Avenue Emeryville, California	Figure No: 1	Date: September 8, 1999
		Drawn By: JG/Geo-Logic

Potentiometric Surface Map



Berkeley Farms Truck Repair Shop & Yard
 4575 San Pablo Avenue
 Emeryville, California

Figure No:

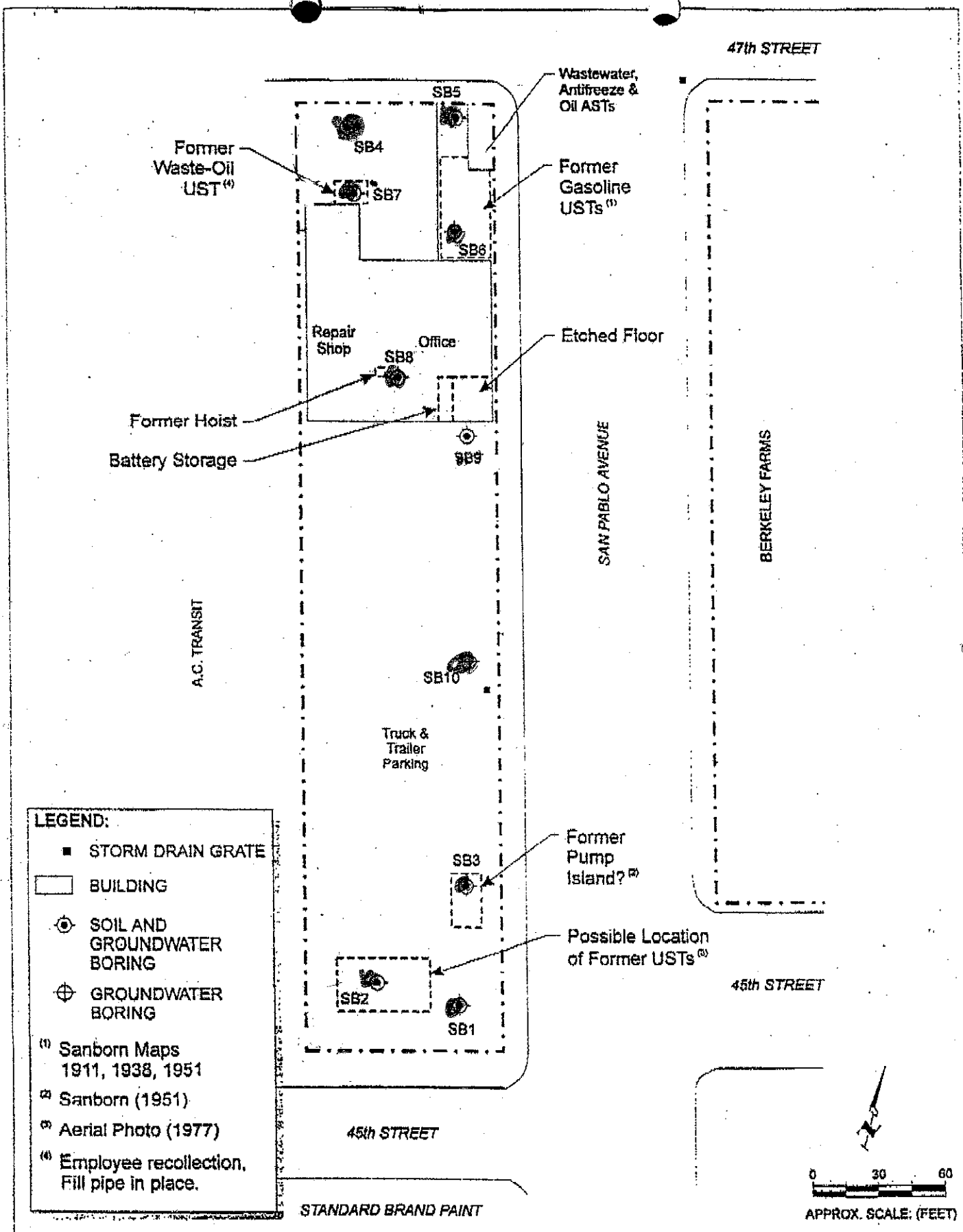
1

Date: January 23, 1998

Drawn By: JG/Geo-Logic

SITE PLAN

ATTACHMENT 3



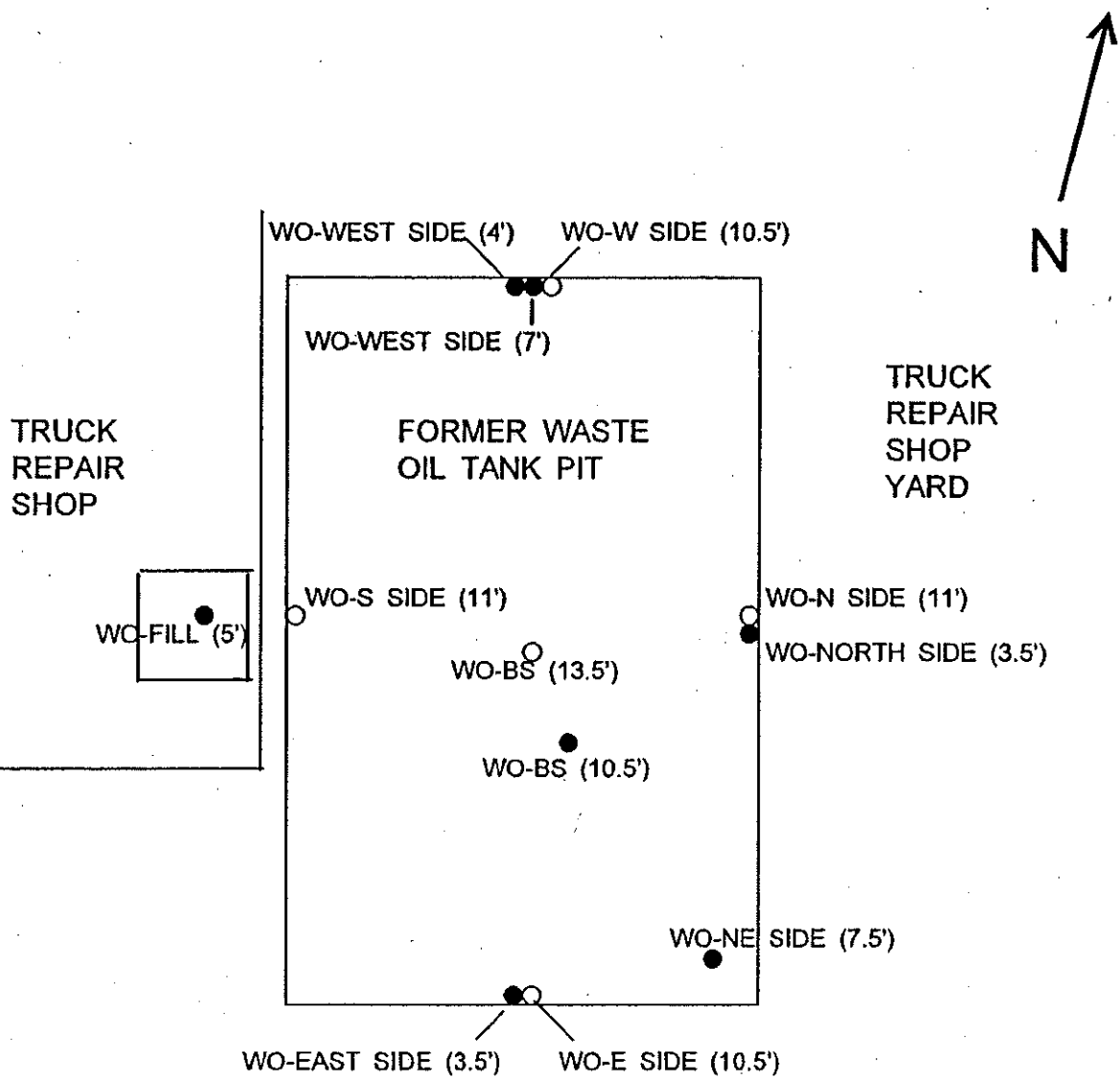
LEGEND:

- STORM DRAIN GRATE
- BUILDING
- ⊙ SOIL AND GROUNDWATER BORING
- ⊕ GROUNDWATER BORING

(1) Sanborn Maps 1911, 1938, 1951
 (2) Sanborn (1951)
 (3) Aerial Photo (1977)
 (4) Employee recollection. Fill pipe in place.

DAVENPORT & ASSOCIATES
 2712 Rawson Street
 Oakland, CA 94619

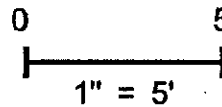
FIGURE 3
SAMPLING LOCATIONS
 BERKELEY FARMS TRUCK
 PARKING AND REPAIR FACILITY



LEGEND

- Soil samples collected on November 22, 1997
- Soil samples collected on January 10, 1998

APPROXIMATE SCALE:



Berkeley Farms Truck Repair Shop & Yard
4575 San Pablo Avenue
Emeryville, California

Figure No:

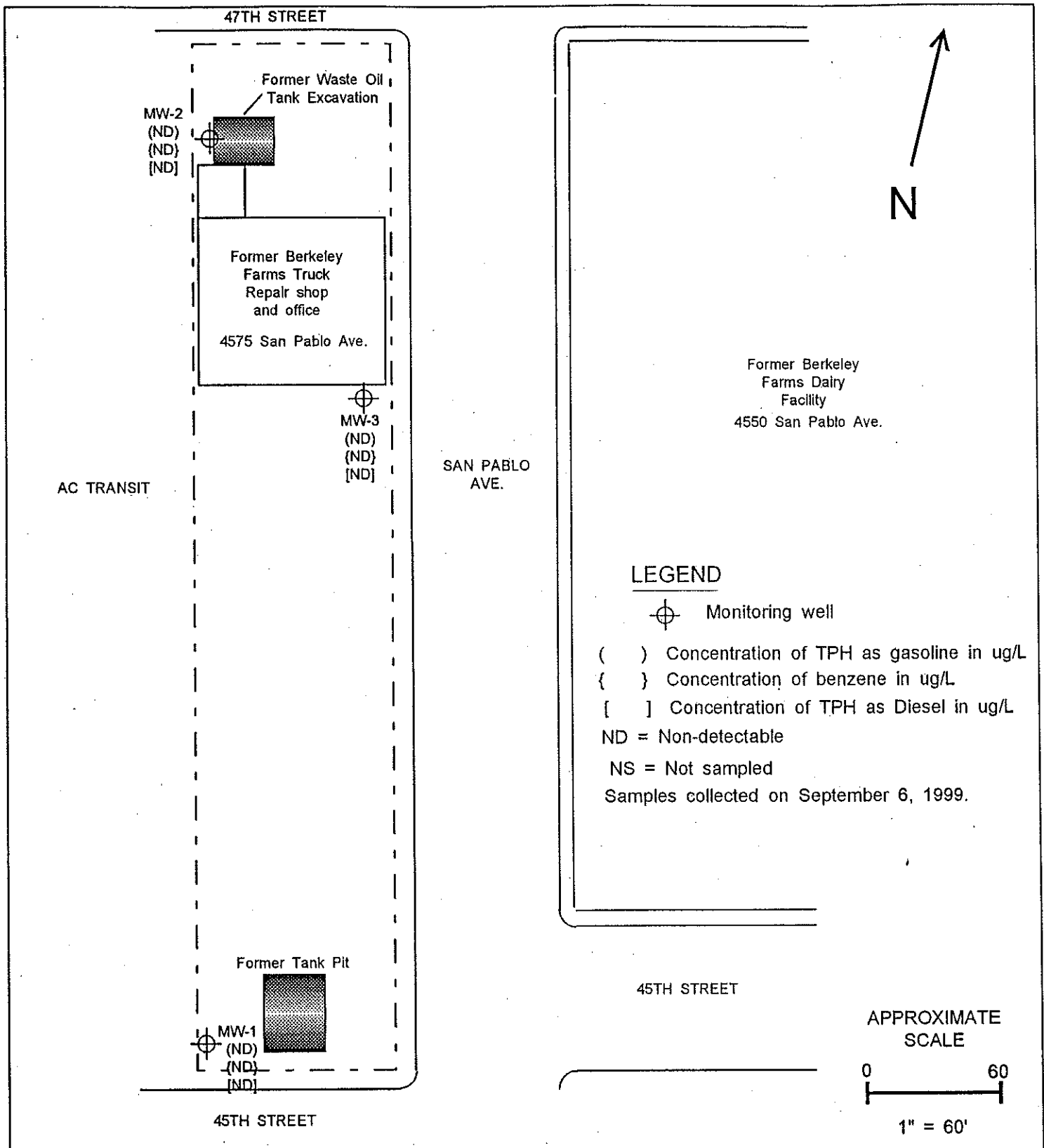
2

Date: January 23, 1998

Drawn By: JG/GEO-LOGIC

Former Waste Oil Tank Excavation

Geo Logic Report dated 2-10-98



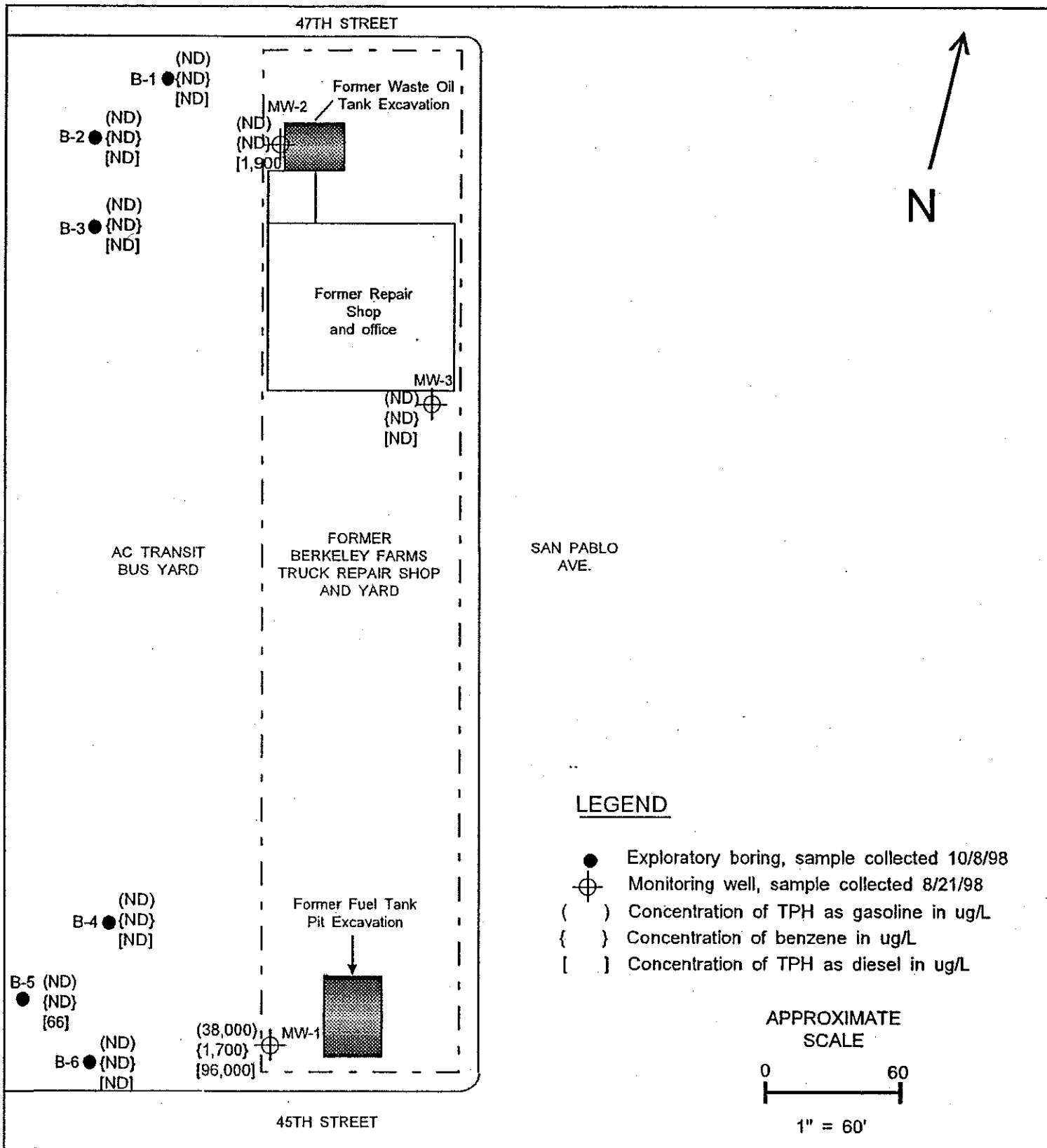
Fmr. Berkeley Farms Truck Shop & Yard
 4575 San Pablo Avenue
 Emeryville, California

Figure No:
2

Date: September 9, 1999

Drawn By: JG/Geo-Logic

Petroleum Hydrocarbons in Groundwater



Former Berkeley Farms
Truck Repair Shop & Yard
4575 San Pablo Avenue
Emeryville, California

Figure No:

2

Date: October 30, 1998

Drawn By: JG/GEO-LOGIC

Petroleum Hydrocarbons in Groundwater

GEO-LOGIC Report dated 10-30-98

GEO-LOGIC
February 10, 1998

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

(Collected on November 22, 1997)

<u>Sample/depth</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
WO-N side (3.5')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-E side (3.5')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-W side (4.0')	0.88	<0.05	<0.005	<0.005	0.017	0.012
WO-W side (7.0')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-NE (7.5')	2.7	<0.05	<0.005	<0.005	0.029	0.040
WO-BS-(10.5')	21	<0.05	<0.005	<0.005	0.047	0.061
WO-Fill (5')	1.9	<0.05	<0.005	<0.005	0.024	0.0096
Detection Limit	0.05	0.05	0.005	0.005	0.005	0.005

<u>Sample/depth</u>	<u>TRPH</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Nickel</u>	<u>Zinc</u>
WO-N side (3.5')	9.4	3.6	30	7.4	40	40
WO-E side (3.5')	8.5	1.2	2.5	5.0	40	45
WO-W side (4.0')	8.7	2.9	19	11	27	27
WO-W side (7.0')	14	1.9	11	3.6	13	13
WO-NE (7.5')	39	5.0	24	7.2	20	30
WO-BS-(10.5')	40	1.5	12	5.5	26	22
WO-Fill (5')	11	0.92	30	7.8	43	41
Detection Limit	5.0	0.50	2.0	2.0	0.50	0.25

All other volatile organic compounds were nondetectable.

Results are in milligrams per kilogram (mg/kg).

GEO-LOGIC
February 10, 1998

TABLE 2
SUMMARY OF LABORATORY ANALYSES
SOIL

(Collected on January 11, 1998)

<u>Sample/depth</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
WO-N side (11.0')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-S side (11.0')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-E side (10.5')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-W side (10.5')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WO-Bottom (13.5')	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
Detection Limit	0.05	0.05	0.005	0.005	0.005	0.005

<u>Sample/depth</u>	<u>TRPH</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Nickel</u>	<u>Zinc</u>
WO-N side (11.0')	16	0.73	22	9.7	44	43
WO-S side (11.0')	22	0.38	26	9.2	39	32
WO-E side (10.5')	20	0.49	29	9.7	34	37
WO-W side (10.5')	31	0.33	24	9.1	27	35
WO-Bottom (13.5')	17	0.74	24	9.4	35	38
Detection Limit	5.0	0.50	2.0	2.0	0.50	0.25

All other volatile organic compounds were nondetectable.

Results are in milligrams per kilogram (mg/kg).

Geo-logic
2-10-98

TABLE 1: SOIL SAMPLE RESULTS - SITE INVESTIGATION

Berkeley Farms Truck Maintenance Facility
 4575 San Pablo Avenue
 Emeryville, California

Sample Location	Sample Depth (Feet)	TPH-g mg/Kg	TPH-d mg/Kg	TPH-mo mg/Kg	VOC mg/Kg	Antifreeze mg/Kg	Metals mg/Kg
SB1	2.5	5.1	ND	10.0	-	-	-
	7.5	140.0	-	-	-	-	-
	13.5	12	-	-	-	-	-
SB2	2.5	ND	-	-	-	-	-
	6.0	0.6	-	-	-	-	-
	13.0	25.0	-	-	-	-	-
SB3	1.0	11.0	-	-	-	-	-
	4.0	17.0	-	-	-	-	-
	12.5	210.0	-	-	-	-	-
SB4	1.5	ND	ND	8.0	ND	ND	-
	8.0	ND	ND	ND	ND	ND	-
	12.5	ND	ND	ND	ND	ND	-
SB5	4.0	ND	ND	34.0	ND	ND	-
	8.5	ND	ND	24.0	ND	ND	-
	14.0	1.2	5.0	ND	ND	ND	-
SB6	2.0	ND	5.0	8	-	ND	-
	7.0	ND	ND	ND	-	ND	-
	13.0	ND	ND	ND	-	ND	-
SB7	2.0	510.0	1200.0	25000.0	ND	-	-
	7.0	340.0	1600.0	9400.0	LL(1,2-DCB)	-	-
	11.0	13.0	690.0	2400.0	ND	-	-
SB8	2.0	-	1300.0	2000.0	-	-	-
	10.5	-	ND	85.0	-	-	-
	15.0	-	ND	ND	-	-	-
SB9	1.0	-	-	-	-	-	*As 5/ Be 0.8
	5.0	-	-	-	-	-	*As 5/ Be 0.4

wo →
tank

NOTES:
 TPH-g Total Petroleum Hydrocarbons as gasoline mg/Kg micrograms per kilogram (ppm)
 TPH-d Total Petroleum Hydrocarbons as diesel
 TPH-mo Total Petroleum Hydrocarbons as motor oil
 VOC Volatile Organic Compounds * Metals above Residential PRGs not listed
 ND Not Detected (above Method reporting lim NA Not Analyzed
 1,2-DCB 1,2-Dichlorobenzene

Davenport & Associates

10-24-97

GEO-LOGIC
 GL-97-110.R3
 March 7, 1998

TABLE 3

SUMMARY OF LABORATORY ANALYSES
 SOIL

<u>Date</u>	<u>Sample No./Depth</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
2/20/98	MW1 (4.5')	<0.1	160	<0.005	<0.005	<0.005	6.3
	MW1 (7.5')	<0.1	2,800	8.0	9.0	37	220
	MW2 (4.5')	<0.1	--	--	--	--	--
	MW2 (7.5')	<0.1	--	--	--	--	--
	MW3 (6.0')	--	20	<0.005	<0.005	<0.005	<0.005
	MW3 (8.0')	--	11	<0.005	<0.005	<0.005	<0.005
Detection Limit		0.1	0.1	0.005	0.005	0.005	0.005

<u>Date</u>	<u>Sample No./Depth</u>	<u>TRPH</u>	<u>MTBE</u>
2/20/98	MW1 (4.5')	--	<0.005
	MW1 (7.5')	--	<0.005
	MW2 (4.5')	26	--
	MW2 (7.5')	17	--
	MW3 (6.0')	--	<0.005
	MW3 (8.0')	--	<0.005
Detection Limit		5.0	0.005

-- analyses not performed.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

GEO-LOGIC
3-7-98

GEO-LOGIC
February 10, 1998

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

(Collected on November 22, 1997)

<u>Sample</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
Comp S1	310	<0.05	<0.005	12	140	190
Detection Limit	0.05	0.05	0.005	0.005	0.005	0.005

<u>Sample</u>	<u>TRPH</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Nickel</u>	<u>Zinc</u>	<u>STLC Lead</u>
Comp S1	930	5.6	17	250	31	97	3.2
Detection Limit	0.05	0.5	2.0	2.0	0.5	0.25	0.05

Results are in milligrams per kilogram (mg/kg).

No semi-volatile organic compounds were detected in the composite sample.

GeoLogic
2-10-98

Geo-Logic
GL-97-110.R6
October 30, 1998

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

(Samples collected on October 8, 1998)

<u>Sample No./Depth</u>	<u>TPH as Diesel</u>	<u>TPH Gas</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>MTBE</u>	<u>TPH as Motor Oil</u>
B1 (5.5')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1
B2 (9')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1
B3 (10.5')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1
B4 (10.5')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	--
B5 (5.5')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	--
B5 (10.5')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	--
B6 (10.5')	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	--
Det. Limit/ Method Blank	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1

-- analyses not performed.

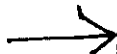
Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

Geo-Logic
10-30-98

TABLE 2: GROUNDWATER SAMPLE RESULTS - SITE INVESTIGATION
 Berkeley Farms Truck Maintenance Facility
 4575 San Pablo Avenue
 Emeryville, California

Sample Location	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	VOC µg/L	Antifreeze µg/L
SB1	5300.0	-	-	-	-
SB2	48000.0	-	-	-	-
SB3	9900.0	-	-	-	-
SB4	ND	ND	ND	ND	-
SB5	ND	ND	ND	-	ND
SB6	ND	120.0	ND	-	-
SB7	4200.0	10000.0	21000.0	4.3 1,2-DCB; 0.6 1,4-DCB; 7.0 1,1 DCA; 1.8 1,2 DCA	-
SB8	-	ND	ND	-	-
SB9**	50.0	-	-	-	-
SB10	-	-	-	-	-

W.O.
Tank



NOTES:			
TPH-g	Total Petroleum Hydrocarbons as gasoline	1,1-DCA	1,1-Dichloroethane
TPH-d	Total Petroleum Hydrocarbons as diesel	1,2-DCA	1,2-Dichloroethane
TPH-mo	Total Petroleum Hydrocarbons as motor oil	µg/L	micrograms per liter (ppb)
VOC	Volatile Organic Compounds	ND	Not Detected
1,2-DCB	1,2-Dichlorobenzene	-	Not Analyzed
1,4-DCB	1,4-Dichlorobenzene	**	MTBE observed at 69 µg/l

Davenport & Associates
 10-24-97

TABLE 2

SUMMARY OF LABORATORY ANALYSES-WATER

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl benzene	Xylenes
9/7/02	MW1A	85	61	0.72	1.1	<0.25	<0.25
12/7/01	MW1A	180	820	84	7.7	8.4	26
9/17/01	MW1A	180	820	84	7.7	8.4	26
6/15/01	MW1A	94	350	15	3.5	<0.5	<0.5
3/13/01	MW1A	1,600	15,000	980	37	820	2,100
12/13/00	MW1A	250	1,400	96	12	<2.0	10
9/19/00	MW1A	<50	<50	<0.5	<0.5	<0.5	<0.5
6/6/00	MW1A	630	2,400	270	9.5	79	27
3/6/00	MW1A	2,100	13,000	560	<20	640	1,200
12/8/99	MW1A	310	1,200	93	1.8	48	53
9/6/99	MW1A	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
8/6/99	MW1A	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
6/7/99	MW1		(Well inaccessible, damaged)				
3/4/99	MW1		(Well inaccessible, damaged)				
11/17/98	MW1	88,000	29,000	2,300	3,000	3,600	3,100
8/21/98	MW1+	96,000	38,000	1,700	1,000	2,400	3,300
6/2/98	MW1	105,000	34,000	1,900	1,600	2,400	3,500
2/27/98	MW1	81,000	27,000	2,200	910	1,700	2,700
12/7/01	MW2	<50	<50	<0.5	<0.5	<0.5	<0.5
9/17/01	MW2	<50	<50	<0.5	<0.5	<0.5	<0.5
6/15/01	MW2	<50	<50	<0.5	<0.5	<0.5	<0.5
3/13/01	MW2	<50	<50	<0.5	<0.5	<0.5	<0.5
12/13/00	MW2	<50	<50	<0.5	<0.5	<0.5	<0.5
9/19/00	MW2	330	2,000	210	8.7	5.5	6.0
6/6/00	MW2	<50	<50	<0.5	<0.5	<0.5	<0.5
3/6/00	MW2	<50	<5.0	<0.5	<0.5	<0.5	<0.5
12/8/99	MW2	<50	<5.0	<0.5	<0.5	<0.5	<0.5
9/6/99	MW2	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
6/7/99	MW2	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
3/4/99	MW2	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
11/17/98	MW2	4,300	260	190	420	470	600
8/21/98	MW2+	1,900	<5.0	<0.5	<0.5	220	400
6/2/98	MW2	7,600	60	220	510	800	1,100
2/27/98	MW2	14,000	<5.0	<0.5	120	460	730

TABLE 2

SUMMARY OF LABORATORY ANALYSES-WATER(continued)

<u>Sample Date</u>	<u>Number</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl benzene</u>	<u>Xylenes</u>
12/7/01	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
9/17/01	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
6/15/01	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
3/13/01	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
12/13/00	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
9/19/00	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
6/6/00	MW3	<50	<50	<0.5	<0.5	<0.5	<0.5
3/6/00	MW3	<50	<5.0	<0.5	<0.5	<0.5	<0.5
12/8/99	MW3	<50	<5.0	<0.5	<0.5	<0.5	<0.5
9/6/99	MW3	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
6/7/99	MW3	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
3/4/99	MW3	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
11/17/98	MW3	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
8/21/98	MW3+	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
6/2/98	MW3	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
2/27/98	MW3	--	<5.0	<0.5	<0.5	<0.5	<0.

TABLE 2

SUMMARY OF LABORATORY ANALYSES-WATER(continued)

Date	Sample Number	TPH as Motor Oil	MTBE	TOTAL LEAD
9/7/02	MW1A	--	43	--
12/7/01	MW1A	--	120	--
9/17/01	MW1A	--	120	--
6/15/01	MW1A	--	84	--
3/13/01	MW1A	--	320	--
12/13/00	MW1A	--	170	--
9/19/00	MW1A	--	13	--
6/6/00	MW1A	--	210	--
3/6/00	MW1A	320	<400	--
12/8/99	MW1A	--	140	--
9/6/99	MW1A	--	<0.5	--
8/6/99	MW1A	--	<0.5	--
6/7/99	MW1	(Well inaccessible, damaged)		
3/4/99	MW1	(Well inaccessible, damaged)		
11/17/98	MW1	--	<0.5	--
6/2/98	MW1*	80,000	<0.5	<5.0
2/27/98	MW1	--	<0.5	--
12/7/01	MW2	<250	<5.0	--
9/17/01	MW2	<250	<5.0	--
6/15/01	MW2	<250	<5.0	--
3/13/01	MW2	<250	<5.0	--
12/13/00	MW2	<250	<5.0	--
9/19/00	MW2	<250	180	--
6/6/00	MW2	<250	<5.0	--
3/6/00	MW2	<250	<5.0	--
12/8/99	MW2	<250	<5.0	--
9/6/99	MW2	47	<0.5	--
6/7/99	MW2	<0.5	<0.5	--
3/4/99	MW2	<0.5	<0.5	--
11/17/98	MW2	<0.5	<0.5	--
6/2/98	MW2*	3,800	<0.5	<5.0
2/27/98	MW2	20,000**	<0.5	--

TABLE 2

SUMMARY OF LABORATORY ANALYSES-WATER(continued)

<u>Sample Date</u>	<u>Number</u>	<u>TPH as Motor Oil</u>	<u>MTBE</u>	<u>TOTAL LEAD</u>
12/7/01	MW3	--	8.4	--
9/17/01	MW3	--	8.4	--
6/15/01	MW3	--	6.7	--
3/13/01	MW3	--	11	--
12/13/00	MW3	--	9.3	--
9/19/00	MW3	--	<5.0	--
6/6/00	MW3	--	21	--
3/6/00	MW3	<250	24/21++	--
12/8/99	MW3	--	18	--
9/6/99	MW3	--	<0.5	--
6/7/99	MW3	--	<0.5	--
3/4/99	MW3	--	<0.5	--
11/17/98	MW3	--	<0.5	--
6/2/98	MW3*	<5.0	<0.5	<5.0
2/27/98	MW3	--	--	--

-- Analyses not performed.

+ Cadmium, chromium, lead, nickel, and zinc were nondetectable, except for 0.078 mg/l of nickel detected in MW1.

++ 21 ppb by EPA Method 8260.

* All EPA Method 8010 constituents were nondetectable.

** 20,000 ppb of Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1. Results are in micrograms per liter (µg/L), unless otherwise indicated.

Geo-Logic
GL-97-110.R6
October 30, 1998

TABLE 2

SUMMARY OF LABORATORY ANALYSES
WATER

(Samples collected on October 8, 1998)

<u>Sample No./Depth</u>	<u>TPH as Diesel</u>	<u>TPH Gas</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl- benzene</u>	<u>Xylenes</u>	<u>MTBE</u>	<u>TPH as Motor Oil</u>
B1 (10.5')	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B2 (14.4')	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B3 (10.8')	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B4 (18.8')	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	--
B5 (11.1')	66	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	--
B6 (10.7')	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	--
Det. Limit/ Method Blank	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5


-- analyses not performed

Results are in micrograms per liter (mcg/L), unless otherwise indicated.

Geo-Logic - 10-30-98

BORING LOG

Project No. GL-97-110.R3	Boring and casing diameter: 8", 2"	Logged By: Joel Greger
Project: Berkeley Farms Truck Shop & Yard	Well Cover Elevation: 42.35	Date drilled: 2/20/98
Boring No. MW-1	Drilling Method: Hollow Stem Auger	Drilling Company: Woodward Drilling

Penetration Blows/6" PID	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0		8" of concrete pavement over 4" of sand and gravel base.
7/10/11 PID-0		5	ML	@ 4': brownish green clayey silt, very stiff, wet, no odor.
5/6/11 PID-0	PID-0	7	ML-CL	@ 7': Green clayey silt/silty clay, stiff, saturated, slight odor of hydrocarbons
		10		
		15		
		20		Total Depth: 17 feet Screen: 0.010 slot from 7-17 feet Sandpack: #2/12 sand from 5-17 feet Seal: Bentonite 4-5 feet, neat cement grout 0-4 feet.
		25		
		30		


Berkeley Farms Truck Shop & Yard 4575 San Pablo Avenue Emeryville, California	MW/1	Date: February 21, 1998
		Drawn By: JG/Geo-Logic

Boring Log and Well Completion Details

ATTACHMENT 6

BORING LOG

Project No. GL-97-110.R3	Boring & casing diameter: 8", 2"	Logged By: Joel Greger
Project: Berkeley Farms Truck Shop & Yard	Well Cover Elevation: 41.11	Date drilled: 2/20/98
Boring No. MW-2	Drilling Method: Hollow Stem Auger	Drilling Company: Woodward Drilling


Penetration Blows/6" PID	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0		8" of concrete pavement over 4" of sand and gravel base.
7/8/10 PID-0		5		@ 4': Gravelly silt with sand, estimated at 20% gravel and 15% v. fine-grained sand, wet, v. stiff, no odor (fill).
57/10/14 PID-0	PID-0	7	ML	@ 7': Gravelly silt with sand, brown, estimated at 30% gravel and 15% v. fine- to coarse-grained sand, saturated, very stiff, no odor (fill?).
		10		@ 12': (From cuttings) Clayey silt with sand, estimated at 15% coarse-grained sand, trace gravel, brown, stiff, no odor.
		15		
		20		Total Depth: 17 feet Screen: 0.010 slot from 5-17 feet Sandpack: #2/12 sand from 4-17 feet Seal: Bentonite 3-4 feet, neat cement grout 0-3 feet.
		25		
		30		

Berkeley Farms Truck Shop & Yard 4575 San Pablo Avenue Emeryville, California	MW2	Date: February 21, 1998 <hr/> Drawn By: JG/Geo-Logic
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Boring Log and Well Completion Details

BORING LOG

Project No. GL-97-110.R3	Boring & casing diameter. 8", 2"	Logged By: Joel Greger
Project: Berkeley Farms Truck Shop & Yard	Well Cover Elevation: 41.38	Date drilled: 2/20/98
Boring No. MW-3	Drilling Method: Hollow Stem Auger	Drilling Company: Woodward Drilling


Penetration Blows/6" PID	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
3/7/8 3/3/5 PID-0 3/4/6 PID-0	 PID-0	0 5 10 15 20 25 30	CL	8" of concrete pavement over 4" of sand and gravel base. @ 1': Brown silty clay, stiff, saturated (perched water). @ 4': very stiff, no recovery due to suction, installed sand catcher. @ 5.5': Greenish-brown silty clay, stiff, saturated no odor. @ 7': Green silty clay, stiff, saturated, black organic material and shell fragments, no odor.
				Total Depth: 17 feet Screen: 0.010 slot from 10-17 feet Sandpack: #2/12 sand from 5-17 feet Seal: Bentonite 4-5 feet, neat cement grout 0-4 feet.

Berkeley Farms Truck Shop & Yard 4575 San Pablo Avenue Emeryville, California	MW3	Date: February 21, 1998 Drawn By: JG/Geo-Logic
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Boring Log and Well Completion Details

BORING LOG

Project No. GL-97-110.R6	Boring diameter: 8"	Logged By: Joel Greger
Project: Berkeley Farms Truck Shop & Yard	Drilling Company: Woodward Drilling	Date drilled: 10/8/98
Boring No. B1	Drilling Method: Hollow Stem Auger	Date backfilled: 10/8/98


Penetration Blows/6" (Mod. Cal)	PID reading	Sample Depth (ft)	Soil Class (USCS)	G.W. level	Description
		0			9" of concrete over sand, silt, and gravel base (fill).
4/7/11	PID-0	5	ML		CLAYEY SILT (ML), GRAY (5Y 5/1), slightly moist to moist, stiff, mottled bluish gray.
8/9/13	PID-0	10			CLAYEY SILT (ML) as above except wet to saturated along fissures, mottled with iron oxide staining.
		15			Total Depth: 16 feet Ground water rose to 7.35' after retracting augers. Backfilled with bentonite and neat cement grout.
		20			
		25			
		30			

Berkeley Farms Truck Shop & Yard 4575 San Pablo Avenue Emeryville, California	B-1	Date: October 27, 1998 <hr/> Drawn By: JG/Geo-Logic
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Boring Log

BORING LOG

Project No. GL-97-110.R6	Boring diameter: 8"	Logged By: Joel Greger
Project: Berkeley Farms Truck Shop & Yard	Drilling Company: Woodward Drilling	Date drilled: 10/8/98
Boring No. B-2	Drilling Method: Hollow Stem Auger	Date backfilled: 10/8/98


Penetration Blows/6" (Mod. Cal)	PID reading	Sample Depth (ft)	Soil Class (USCS)	G.W. level	Description
		0			9" of concrete over sand, silt, and gravel base (fill).
5/12/14	PID-0	5	ML	hydro-punch attempt	CLAYEY SILT (ML), brown (10YR 5/3), slightly moist, very stiff, mottled iron oxide staining.
10/12/20	PID-0	10			CLAYEY SILT (ML) as above except wet to locally saturated along fissures, mottled with iron oxide staining. (Drilled to 10.5', attempted hydropunch sampling, no water. Drilled to 15 feet and retracted augers.
		15			Total Depth: 15 feet Ground water measured at 14.5' after 4.5 hours. Backfilled with bentonite and neat cement grout.
		20			
		25			
		30			

Berkeley Farms Truck Shop & Yard 4575 San Pablo Avenue Emeryville, California	B-2	Date: October 27, 1998 Drawn By: JG/Geo-Logic
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Boring Log

BORING LOG

Project No. GL-97-110.R6	Boring diameter: 8"	Logged By: Joel Greger
Project: Berkeley Farms Truck Shop & Yard	Drilling Company: Woodward Drilling	Date drilled: 10/8/98
Boring No. B-3	Drilling Method: Hollow Stem Auger	Date backfilled: 10/8/98

Penetration Blows/6" (Mod. Cal)	PID reading	Sample Depth (ft)	Soil Class (USCS)	G.W. level	Description
		0			9" of concrete over sand, silt, and gravel base (fill).
5/10/11	PID-0	5	ML		CLAYEY SILT (ML), brown (10YR 5/3), slightly moist to moist, stiff, mottled iron oxide and bluish-gray staining, trace angular gravels to 1/8" in diameter.
5/10/11	PID-0	10			CLAYEY SILT (ML) as above except wet to saturated along fissures.
		15			Total Depth: 15 feet Ground water rose to 10.6' after retracting augers. Backfilled with bentonite and neat cement grout.
		20			
		25			
		30			

Berkeley Farms Truck Shop & Yard 4575 San Pablo Avenue Emeryville, California	B-3	Date: October 27, 1998
		Drawn By: JG/Geo-Logic

Boring Log