

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION

1131 Harbor Bay Parkway

Alameda, CA 94502-6577

(510) 567-6700

(510) 337-9432

January 21, 2000
StID # 4340

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Al Pelton c/o
Dreisbach Enterprises
P.O. Box 7509
Oakland CA 94601

RE: Dreisbach Enterprises, 8410 Amelia St., Oakland CA 94621

Dear Mr. Pelton:

This letter confirms the completion of site investigation and remedial action for the one (1) 6000 gallon gasoline underground tank 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 tank is greatly appreciated.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: B. Chan, Hazardous Materials Division-files
Chuck Headlee, RWQCB
Mr. Dave Deaner, SWRCB Cleanup Fund
Mr. Leroy Griffin, City of Oakland OES, 1605 Martin Luther
King Dr., Oakland CA 94612

RACC0410Amelia

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



January 21, 2000
StID# 4340

Mr. Al Pelton c/o
Dreisbach Enterprises
P.O. Box 7509
Oakland CA 94601

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

**RE: Fuel Leak Site Case Closure, 8410 Amelia St., Oakland
CA 94621**

Dear Mr. Pelton:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with the Health and Safety Code, 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 Health Services, Local Oversight Program (LOP) is required to use this case closure letter. We are also enclosing the case closure summary. This document confirms the completion of the investigation and cleanup of the reported release at the subject site.

Site Investigation and Cleanup Summary:

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

* 1100 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg) and 14,110,62,360 ppm BTEX, respectively remain in the soil at the site.

* 2400 parts per billion (ppb) TPHg, 60 ppb MTBE and 960,10,21,33 BTEX, respectively, remain in groundwater at the site.

This site should be included in the City's permit tracking system. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

enclosures: Case Closure Letter, Case Closure Summary

c: Mr. L. Griffin, City of Oakland OES, 1605 MLK Jr. Way,
Oakland CA 94612

B. Chan, files (letter only)

Trlt 8410Amelia

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 10/1/97

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Parkway**
Room 250

City/State/Zip: **Alameda, CA 94502-6577** Phone: **(510) 567-6700**

Responsible staff person: **Barney Chan** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Dreisbach Enterprises**

Site facility address: **8410 Amelia St., Oakland CA 94621**

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **4340**

ULR filing date: **11/21/95** SWEEPS No: **N/A**

Responsible Parties: Addresses: Phone Numbers:

1) Mr. Ronald Dreisbach	P.O. Box 7509 Oakland CA 94601	↓	
2) Mr. Al Pelton c/o Dreisbach Enterprises	8410 Amelia St. Oakland CA 94621		510-533-6600

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	6000	gasoline	Removed	4/06/88

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: 4

Proper screened interval? Yes

RECEIVED
 10/13/97
 11:11 AM
 10/13/97

Leaking Underground Fuel Storage Program

Highest GW depth: 5.49' Lowest depth: 8.44'

Flow direction: south-southwesterly

Most sensitive current use: commercial

Are drinking water wells affected? no Aquifer name: San Leandro Cone

Is surface water affected? no Nearest affected SW name:

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? yes Where is report filed? **Alameda County
1131 Harbor Bay Pkwy
Alameda CA 94502**

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tanks & Piping	1-6000 gallon	Disposed by C&O to recycler	4/06/88
Soil	approx 100cy	Treated and disposed by C&O	?

Maximum Documented Contaminant Concentrations -- Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>1Before</u>	<u>After2</u>	<u>Before</u>	<u>After3</u>
TPH (Gas)	1800	1100	--	2400
Benzene	13	14	--	960
Toluene	43	110	--	10
Ethylbenzene	--	62	--	21
Xylenes	79	360	--	33
MTBE				60

Comments (Depth of Remediation, etc.):

1. Soil sample #2 from original tank removal
2. Soil sample from MW1 @10-10.5'
3. 4/2/97 monitoring results from MW1 and MW2

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? undetermined

Leaking Underground Fuel Storage Program

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? undetermined

Does corrective action protect public health for current land use? YES

Site management requirements: Yes, this site should be included in the City of Oakland's permit tracking system to notify future subsurface workers.

Should corrective action be reviewed if land use changes? Yes

Monitoring wells Decommissioned: NO

Number Decommissioned: 0 Number Retained: 4

List enforcement actions taken: 1/24/96 Pre-enforcement hearing

List enforcement actions rescinded: above, 2/29/96 offsite well, MW4 installed

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan Title: Hazardous Materials Specialist

Signature: *Barney M. Chan* Date: 10/28/97

Reviewed by

Name: Tom Peacock Title: Manager

Signature: *Tom Peacock* Date: 10-28-97

Name: Eva Chu Title: Hazardous Materials

Specialist *Eva Chu* Date: 10/2/97

Signature: Date:

VI. RWQCB NOTIFICATION

Date Submitted to RB: *[Signature]* RB Response: *Approved*

RWQCB Staff Name: K. Graves Title: AWRCE Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.
see attached site summary

11/9/97

Site Summary for 8410 Amelia St., Oakland 94621, StID # 4340

4/6/88 1-6k gasoline tank removed from sidewalk. 2 soil samples taken; the northern sample from approx 11' detected 1800 ppm gasoline and 13, 43 & 79 ppm BTX, respectively. The southern sample detected 14 ppm gasoline and 0.37, 0.84 and 2.8 ppm BTX, respectively.

5/2/88 Uriah Environmental Services performed a series of borings around the former tank in Amelia St. taking soil samples and one grab groundwater sample from boring #4. Soil contamination was found downgradient, within 15' of the tank. Up to 590 ppm gasoline and 6.6, 7.9, 68 and 20 ppm BTXE, respectively was detected in the 10' sample from boring EB-2. No analytical data was provided for the grab groundwater sample from boring #4.

8/19/88 The area around the north sample was overexcavated. There's evidence that soil was "treated", possibly aerated, however, its disposition is not clear. The consultant stated that he believed this soil was disposed. The treated soil was analyzed in 2 composite samples, #1-4 and #5-8 which were ND for gasoline and BTEX.

6/30/88 Monitoring well MW1 was installed next to the north end of tank in the presumed downgradient direction. The boring at 10-10.5' depth exhibited 1100 ppm gas and 14, 110, 360 and 620 ppm BTEX, respectively. Groundwater was sampled 6 times: 7/28/88, 11/28/88, 2/16/89, 5/26/89, 7/20/89 and 10/27/89. Low levels of TPHg and BTEX were detected.

3/23/90 Uriah Inc. requested permission to abandon the well. No response was ever received from our office.

10/5/92 NORR letter sent.

10/27/92 Letter from our office requesting resumption of monitoring and provision of work plan for further subsurface investigation.

4/22/93 Meeting with T. Babcock of Environmental Biosystems to discuss remedial plans.

5/3/93 Received work plan for installation for two monitoring wells from Enviromental Biosystems Inc.

12/2/93 2 Monitoring wells, MW2 and MW3, were installed on the west side of 85th Ave. near the curb. Soil samples from MW3 were ND for TPHg and BTEX while soil samples from MW2 showed slight contamination. MW2 was located downgradient of MW1 while MW3 was located crossgradient.

Site Summary
8410 Amelia St.
Stid # 4340
Page 2.

3/9/94 Received MW installation and sampling report. Groundwater in MW2 was significantly impacted with 8.5 mg/l TPHg and 2.1, 0.66, 0.4 and 0.78 mg/l BTEX, respectively.

3/23/94 Comment letter on the monitoring well installation report written.

6/16/94 Received the 6/9/94 QMR, gradient is southwesterly, 0.001 '/'. Still contamination in MW2 and further delineation of groundwater contaminant plume is necessary.

10/19/94- Received August 1, 1994 QMR for site, gradient was north for the first time.

2/1/95- County met with Mr. Al Pelton and Mr. T. Babcock of EBS. Considered the site relative to NAA (Containment Policy). Need to determine limits of GW contamination and therefore requested an additional MW. Discussed discontinuing analysis of MW3 based on historic low to ND levels.

2/7/95- Received 1/15/95 QMR, gradient returned to the prior direction, s-sw @ 0.002 '/'.

10/23/95 Wrote letter to Ms. D. Fischer of Lincoln Properties (tenant of downgradient property), requesting co-operation in allowing site access to install an additional MW.

No gw monitoring occurred in 1995.

2/29/96- Offsite well, MW4, was installed downgradient to MW1 and MW2 on the Lincoln property. Soil samples from the boring were screened from 5' to 20'. All samples gave no reading using a PID instrument. The sample from 10' depth was analyzed and was ND for TPHg and BTEX.

Groundwater monitoring has occurred on this well and wells MW1 and MW2 over a one year period. MW-4 has detected benzene and ethylbenzene once in 9/18/96 at 1.7 and 1.4 ppb respectively. All other monitoring results have been ND. Monitoring wells MW1 and MW2 contaminant levels have stabilized which supports the belief that intrinsic bioremediation is occurring.

Site Summary
8410 Amelia St.
Stid # 4340
Page 3.

Site closure is recommended because the conditions of a "low risk" soil and groundwater site has been documented.

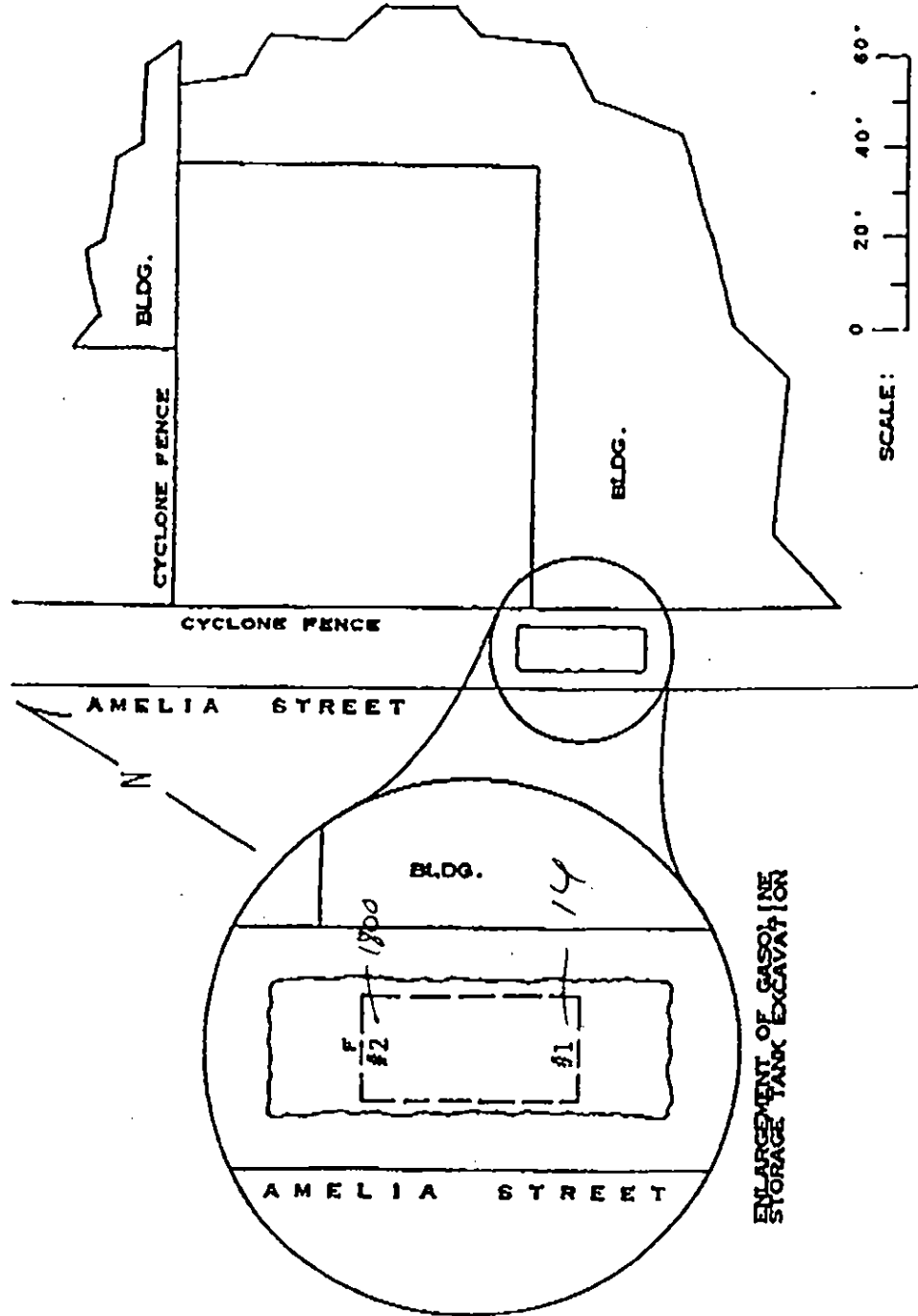
1. The leak has been stopped. The tank and the highest soil contamination from the north end of tank has been removed.
2. The site has been adequately characterized.
3. The dissolved plume has stabilized and is apparently not moving.
4. The site poses no risk to human health under current conditions. The majority of the contamination lies within the groundwater and saturated soils beneath Amelia St.

A deed notice should be implaced to inform construction or utility workers of potential petroleum contamination when working in Amelia St. near the former UST.

ssum8410

MAP REF: THOMAS BROS.
ALAMEDA CO.
P.22 E-1

LEGEND: F = FILL END



#1

SOIL FROM 11" TOTAL ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE AND BENZENE, TOLUENE AND XYLENES (BTX) AT SEQUOIA ANALYTICAL LABORATORY SEQUOIA LAB NO. 8040258

#2

SOIL FROM 11" TOTAL ANALYSIS FOR TPH AS GASOLINE AND BTX SEQUOIA LAB NO. 8040259

SAMPLING PERFORMED BY STEPHEN CARTER
DIAGRAM PREPARED BY BIRAD DUTSCH

ORIGINAL TANK
REMOVAL RESULTS



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 04/06/88
Date Received: 04/06/88
Date Reported: 04/12/88

Project: BTS #88097C1, Crosby &
Overton, Oakland

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8040259

Sample Description

Soil, #2

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	1,800
Benzene	0.1	13
Toluene	0.1	43
Xylenes	0.1	79

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 04/06/88
Date Received: 04/06/88
Date Reported: 04/12/88
Project: BTS #88097C1, Crosby &
Overton, Oakland

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

8040258

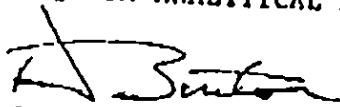
Sample Description

Soil, #1

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	14
Benzene	0.1	0.37
Toluene	0.1	0.84
Xylenes	0.1	2.8

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

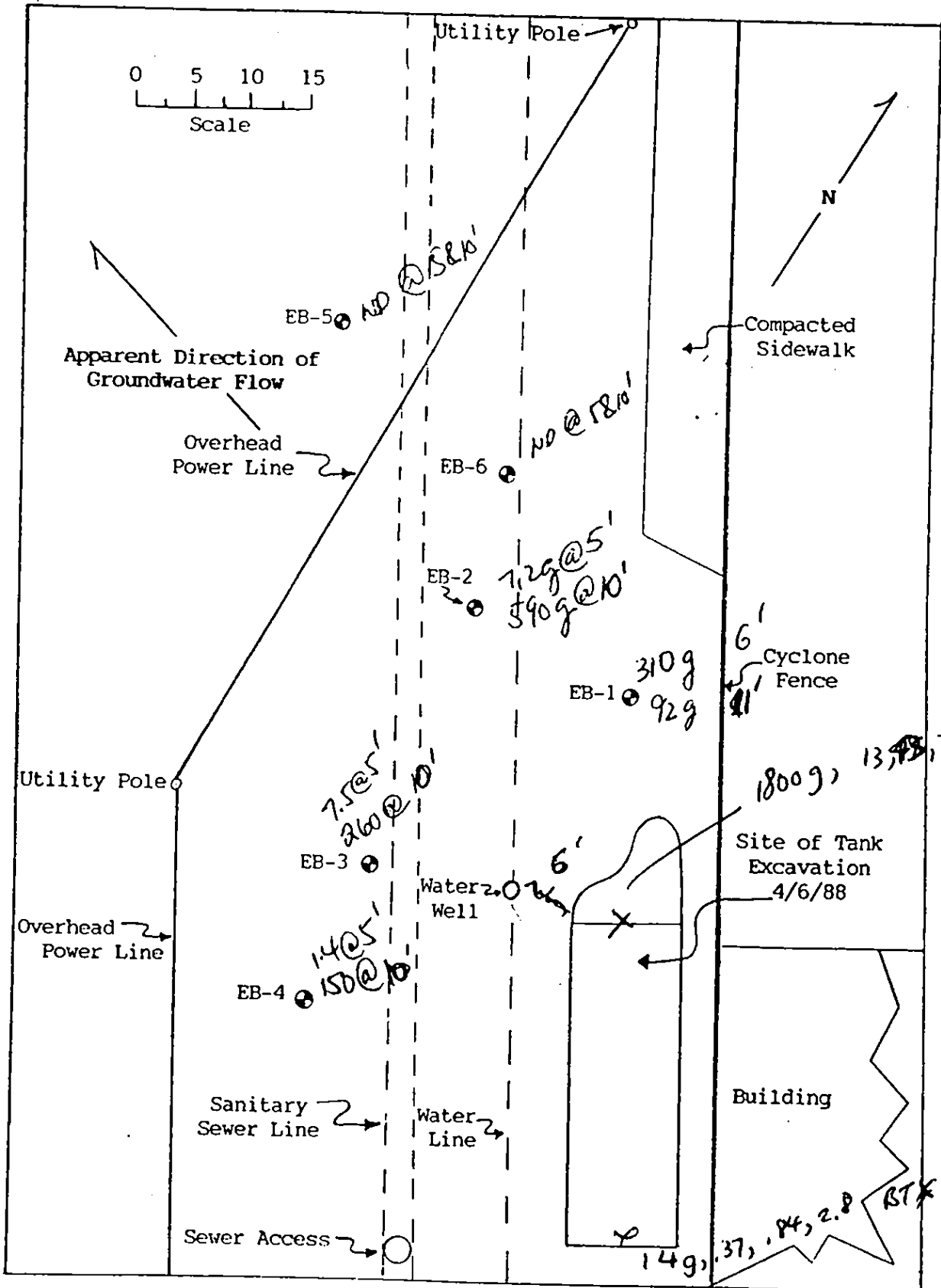

Arthur G. Burton
Laboratory Director

URIAH : BORINGS SURVEY

TABLE I
SOIL SAMPLING LOCATIONS AND
CONTAMINANT CONCENTRATIONS

BORING	SAMPLE #	DEPTH OF SAMPLE	TPH-G (PPM) ¹	ppm			
				B	T	X	E
EB-1	1	6 feet	310.0	27	28	45	17
EB-1	2	11 feet	92.0	4.9	4.7	14	4.4
EB-2	3	5 feet	7.2	0.6	<0.1	1.4	0.2
EB-2	5	10 feet	590.0	6.6	7.9	68	20
EB-3	7	5 feet	7.5	0.4	<0.1	0.5	0.1
EB-3	8	10 feet	260.0	5.5	12	58	14
EB-4	10	5 feet	1.4	0.1	<0.1	<0.1	<0.1
EB-4	11	10 feet	150.0	4.6	4.8	31	9.4
EB-5	13	5 feet	<1.0	<0.1	<0.1	<0.1	<0.1
EB-5	14	10 feet	<1.0	<0.1	<0.1	<0.1	<0.1
EB-6	16	5 feet	<1.0	<0.1	<0.1	<0.1	<0.1
EB-6	17	10 feet	<1.0	<0.1	<0.1	<0.1	<0.1

¹ TPH-G (PPM) = Total Petroleum Hydrocarbons as Gasoline in parts per million



SITE MAP
8410 AMELIA STREET, OAKLAND, CA

GW@ 7-7.5'



HAZCAT Mobile Organics Lab

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Triah Environmental Services Inc.
45 Coffee Rd. Suite 5
Modesto, CA 95352
Attn : John Rapp
President

Date Sampled: 06-30-88
Date Received: 06-30-88
Date Reported: 07-06-88

Sample Number

068245

Sample Description

18288T1S
Amelia St.-Oakland
#1 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons Gasoline	1	1,100
Benzene	0.1	14
Toluene	0.1	110
Xylenes	0.1	360
Ethylbenzene	0.1	62

MW 1
↓
B16-10.5

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

HAZCAT

Ronald G. Evans
Donald G. Evans
Lab Director

TABLE 2. RESULTS OF SOIL SAMPLE ANALYSES

SAMPLE	TPHg (mg/Kg)	BENZENE (µg/Kg)	TOLUENE (µg/Kg)	XYLENES (µg/Kg)	ETHYL- BENZENE (µg/Kg)
MW2-5'	1.1	42	¹ ND	ND	ND
MW2-10'	5.6	270	20	100	10
MW3-5'	ND	ND	ND	ND	ND
MW3-10'	ND	ND	ND	ND	ND

¹ND- Analyte not detected above stated limits.

NOTE: See laboratory reports for individual detection limits used.

TABLE 3. RESULTS OF GROUND WATER SAMPLE ANALYSES

SAMPLE	TPHg (mg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	XYLENES (µg/L)	ETHYL- BENZENE (µg/L)
MW1	0.2	52	¹ ND	ND	ND
MW2	8.5	2,100	660	400	780
MW3	ND	ND	ND	ND	ND

¹ND- Analyte not detected above stated limits.

NOTE: See laboratory reports for individual detection limits used.

TABLE 1. SOIL SAMPLE RESULTS

SAMPLE ID	TPHg (mg/Kg)	BENZENE (µg/Kg)	TOLUENE (µg/ Kg)	ETHYL-BENZENE (µg/ Kg)	XYLENES (µg/ Kg)	PID (Isobutylene Equivalents)
MW4-5'	--	--	--	--	--	0
MW4-10'	ND	ND	ND	ND	ND	0
MW4-15'	--	--	--	--	--	0
MW4-18'	--	--	--	--	--	0
MW4-19'	--	--	--	--	--	0
MW4-20'	--	--	--	--	--	0

NOTES

TPHg: Total Petroleum Hydrocarbons as Gasoline.
mg/Kg: Milligrams per Kilogram.
µg/Kg: Micrograms per Kilogram.
PID: Photoionization Detector.
--: Not Analyzed.
ND: Not Detected.
See Laboratory Report for Detection Limits.

745 85th Avenue

Driveway

Storage Yard

MW3

MW1

Location of Former UST Excavation

MW2

MW4

8410 Amelia St.

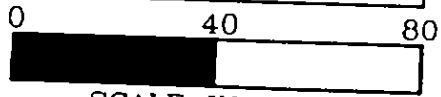
AMELIA STREET

Sidewalk

Sidewalk

LEGEND

- MW4 GROUND WATER MONITORING WELL
- CYCLONE FENCE
- BUILDING



SCALE IN FEET



ENVIRONMENTAL SYSTEMS, INC.

DATE:
4/24/97

PROJECT#:
079-452A

SCALE:
AS SHOWN

FIGURE 2:
SITE MAP

DREISBACH ENTERPRISES, INC.
8410 AMELIA STREET
OAKLAND, CALIFORNIA

SOIL BORING LOG

PROJECT NO. 18288JIS

LOCATION 8430 Amelia St., Oakland, CA

CLIENT Crosby & Overton, Inc.

LOGGED BY Thomas S. Nett Geologist
Geonomics, Inc.

BORE HOLE NO. _____

MONITOR HOLE NO. _____

ELEVATION _____

DATE DRILLED 6/30/88

START 10:50 AM

FINISH 3:15PM

Hollow stem

Cal. modified

DRILLING METHOD auger

SAMPLING METHOD split spoon

DRILLED BY Bay Land Drilling

SAMPLES COLLECTED			SOIL DESCRIPTION <small>TEXTURE, COLOR, MOISTURE CONSISTENCY, GRAIN-SIZE, ETC.</small>	UNIFIED SOIL CLASSN	GRAPHIC LOG	PENETRATION COLLECTED		WELL CONSTRUCTION DETAILS
DEPTH	DATE	SAMPLE NO.				Blows	SPT	
			Asphalt, 0.0-0.7'		[Hatched Pattern]			
			Gravelly, sandy, clayey silt basefill, 0.7-2.5' 10YR 4/2.		[Dotted Pattern]			
			Pebbly sand basefill 2.5-3.0' 10YR 3/2.	CL	[Horizontal Lines]			
			Silty clay, 10YR 2/2 3.0-4.0'.		[Vertical Lines]			
10.0		18288 JIS #1	Pebbly, sandy clay, 4.0-5.0', 10YR 4/2.	MH	[Dotted Pattern]	6X7X10		
10.2			Slightly silty clay 5.0-10.0' 10YR 3/2		[Vertical Lines]			
15.0		18288 JIS #2	Hydrocarbon odor. Slightly clayey, fine silt 10.0-12.0' 5GY 4/2.		[Vertical Lines]	2X5X9		
15.2			Slightly silty clay 12.0-30.0' 5GY 4/2.	CL	[Vertical Lines]			
			Water first detected at 16.0'.		[Vertical Lines]			
			Water level settled at 10.2' after completion.		[Vertical Lines]			
			Monitoring well logged and supervised by Geonomics staff Geologist under the supervision of R. W. Michelson.		[Vertical Lines]			

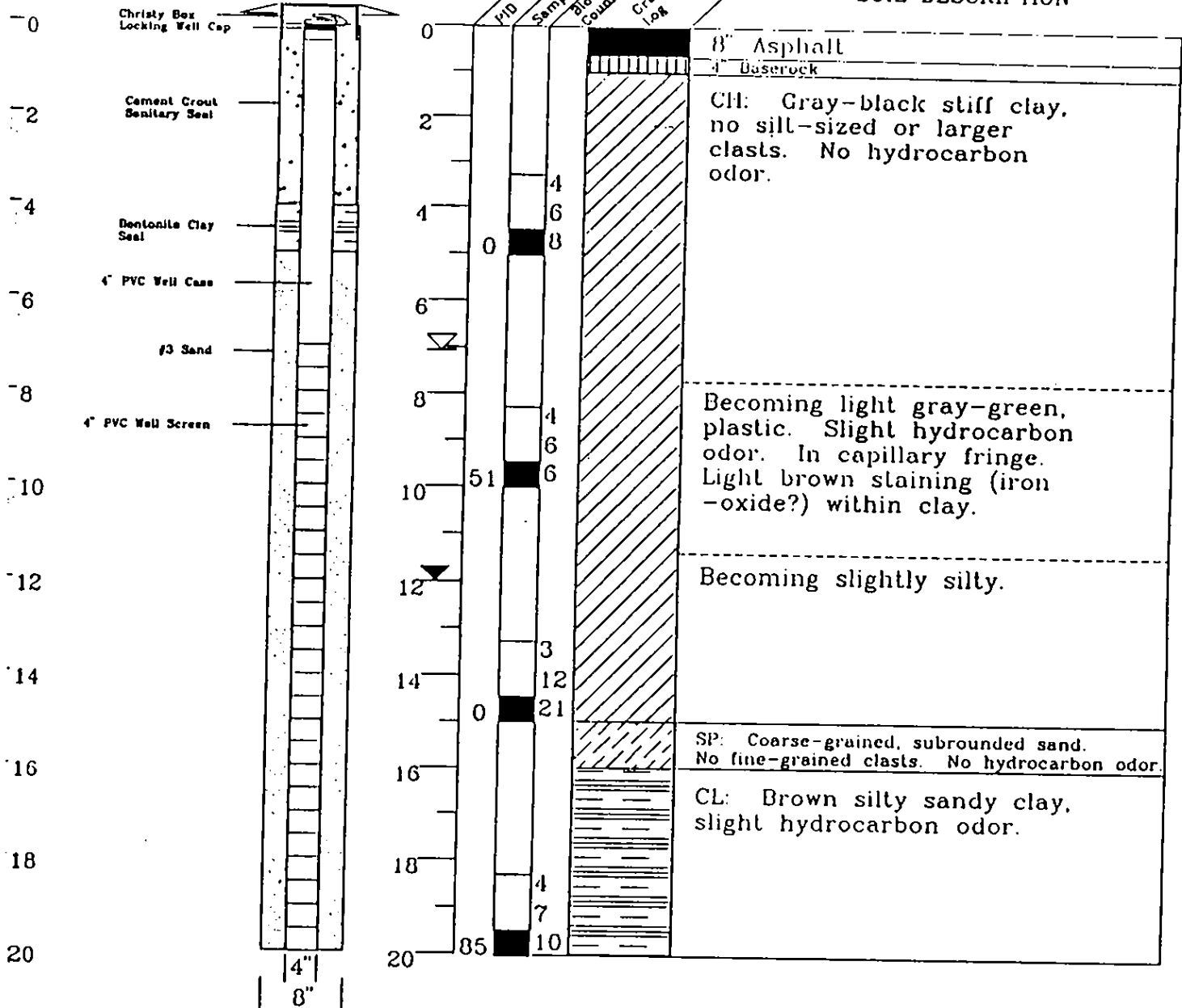
Ronald W. Michelson



LOG OF SOIL BORING MW2 WITH WELL CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

SOIL DESCRIPTION



ed by: D. Sadoff
 irector: Barney Chan
 (s): 12/2/93

Drilling Contractor: Hazmat West
 Drilling Method: Hollow Stem Auger
 Driller: Jeff, Darrell

Sanitary Seal/Backfill: Cement
 Sampler Type: Split Spoon
 Total Boring Depth: 25-feet



EXPLANATION	
water level during drilling	gradational
potentiometric water level	NR no recovery
drill sample	CONTACTS:
chemical analysis sample	— certain
sieve sample	- - - approximate
grab sample	uncertain

DREISBACH ENTERPRISES, INC.
 8410 AMELIA STREET
 OAKLAND, CALIFORNIA

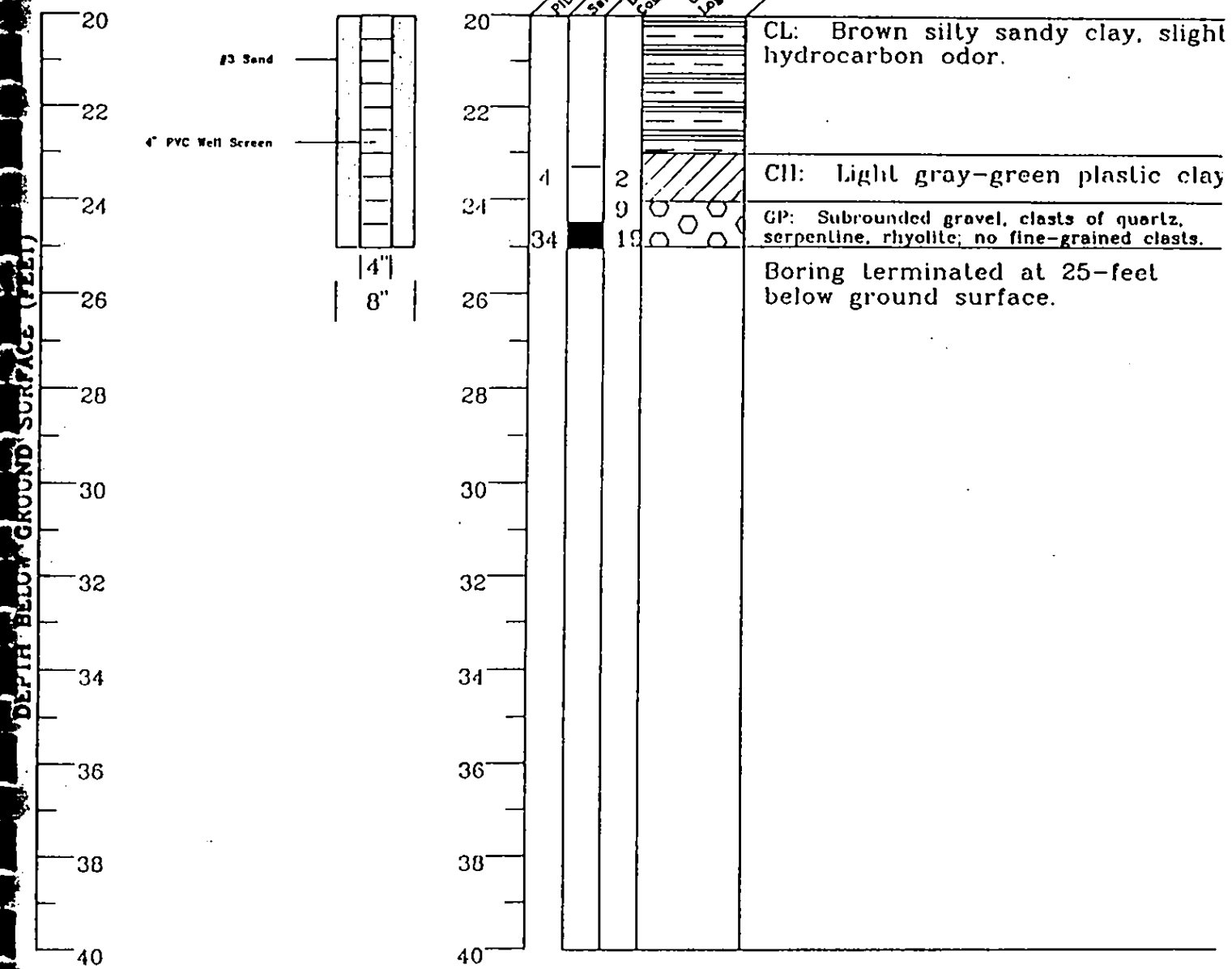
PROJECT #079-237-02A

DREISBACH ENTERPRISES, INC.
 36D BLUFF ROAD
 WATSONVILLE, CALIFORNIA

LOG OF SOIL BORING MW2 WITH WELL CONSTRUCTION DETAILS

WELL CONSTRUCTION DETAILS

SOIL DESCRIPTION



Logged by: D. Sadoff
 Inspector: Barney Chan
 Date(s): 12/2/93

Drilling Contractor: Hazinal West
 Drilling Method: Hollow Stem Auger
 Driller: Jeff, Darrell

Sanitary Seal/Backfill: Cement
 Sampler Type: Split Spoon
 Total Boring Depth: 25-Feet

**ENVIRONMENTAL
BIO-SYSTEMS, INC.**

EXPLANATION

	water level during drilling		gradational
	potentiometric water level	NR	no recovery
	drill sample	CONTACTS:	
	chemical analysis sample	—	certain
	sieve sample	----	approximate
	grab sample	----	uncertain

DREISBACH ENTERPRISES, INC
 8410 AMELIA STREET
 OAKLAND, CALIFORNIA

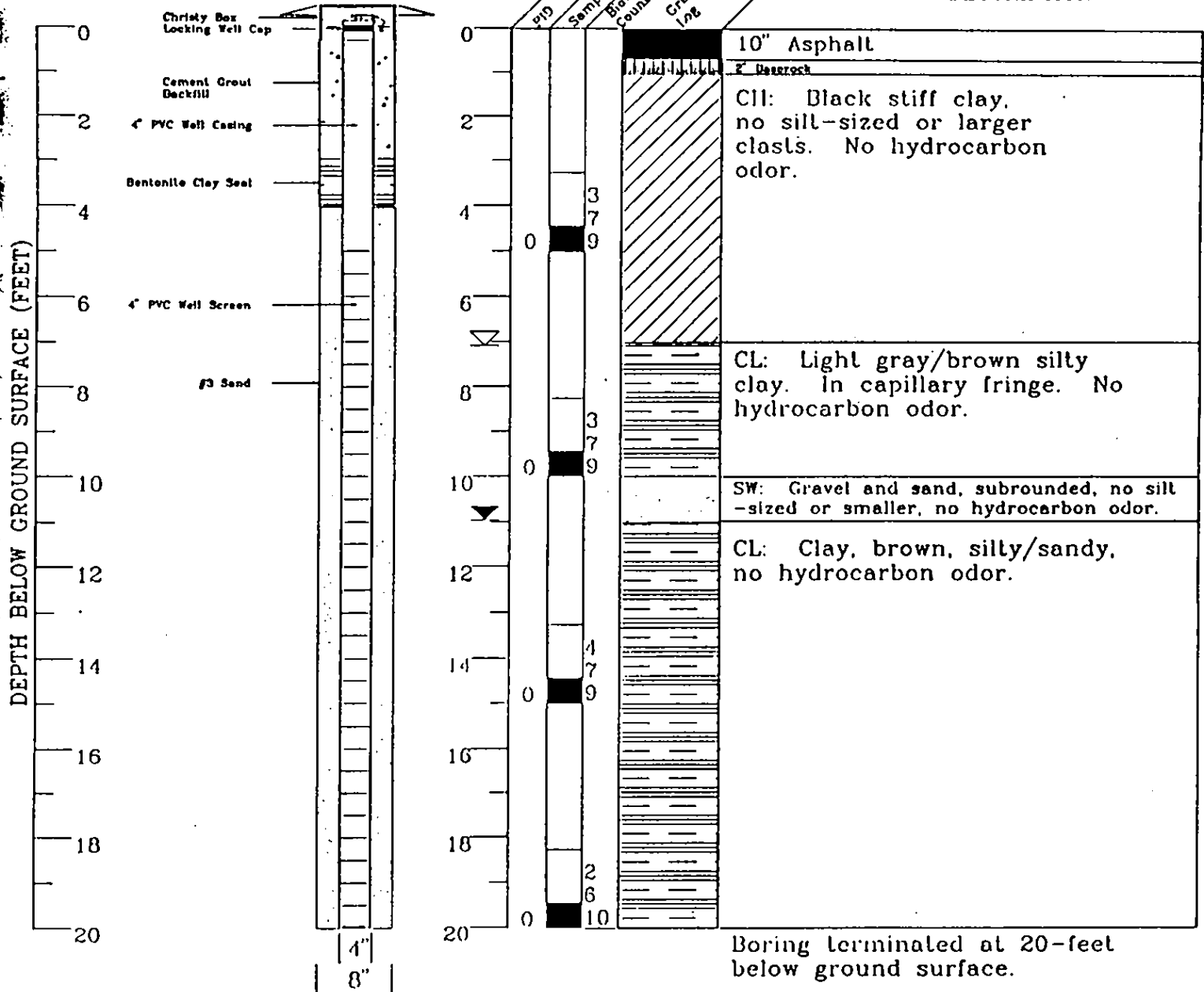
PROJECT #079-237-02A

DREISBACH ENTERPRISES, INC
 36D BLUFF ROAD
 WATSONVILLE, CALIFORNIA

LOG OF SOIL BORING MW3 WITH WELL CONSTRUCTION DETAILS

WELL CONSTRUCTION DETAILS

SOIL DESCRIPTION



Logged by: D. Sadoff	Drilling Contractor: Hazmat West	Sanitary Seal/Backfill: Cement
Inspector: Barney Chan	Drilling Method: Hollow Stem Auger	Sampler Type: Split Spoon
Date(s): 12/2/93	Driller: Jeff, Darrell	Total Boring Depth: 20-Feet



EXPLANATION

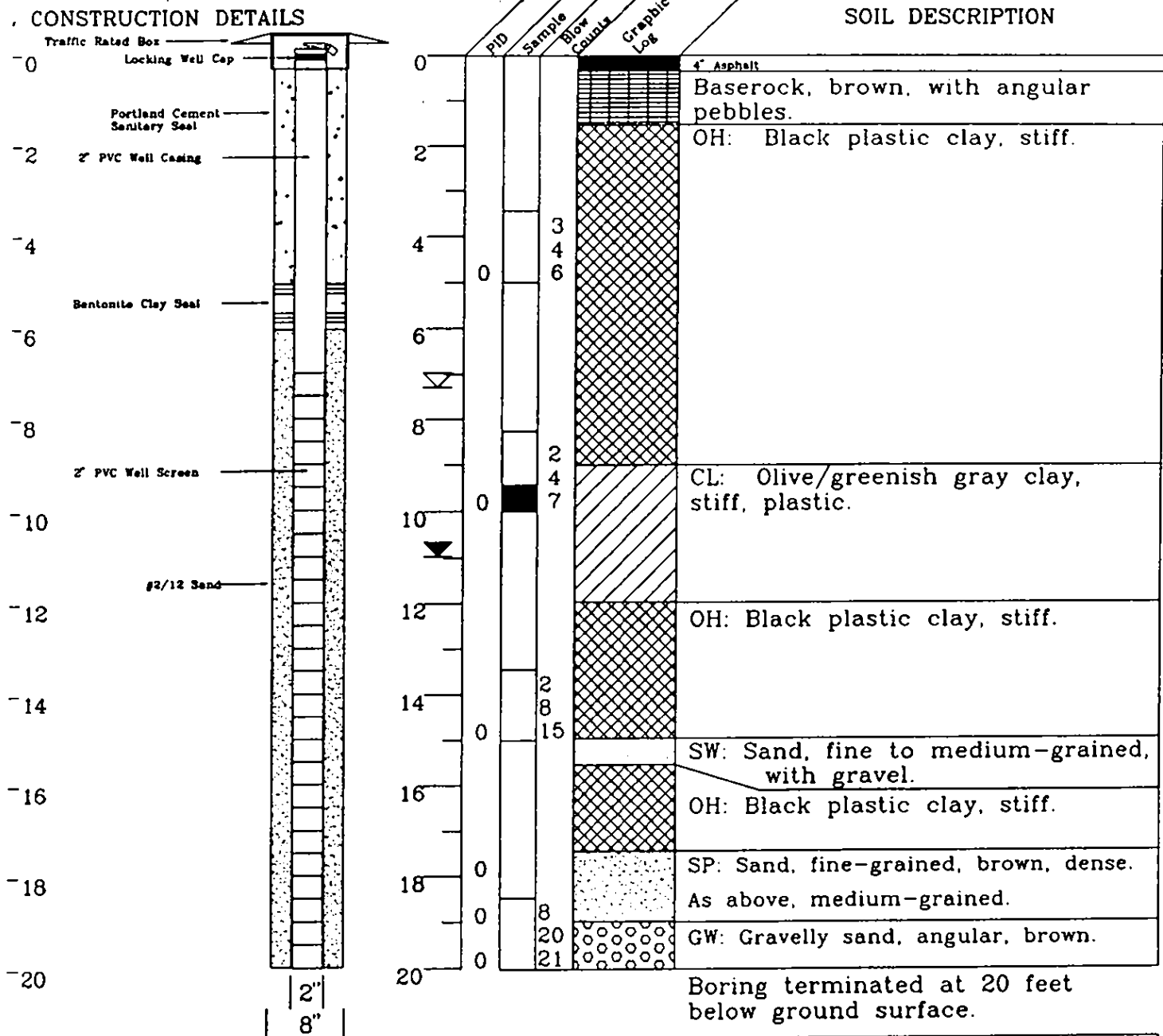
	water level during drilling		gradational
	potentiometric water level	NR	no recovery
	drill sample	CONTACTS:	
	chemical analysis sample	—	certain
	sieve sample	- - -	approximate
	grab sample	...	uncertain

DREISBACH ENTERPRISES, INC.
8410 AMELIA STREET
OAKLAND, CALIFORNIA

PROJECT #079-237-02A

DREISBACH ENTERPRISES, INC.
36D BLUFF ROAD
WATSONVILLE, CALIFORNIA

LOG OF SOIL BORING MW4 WITH WELL CONSTRUCTION DETAILS



Designed by: D. Sadoff
 Director: Barney Chan
 Date: 2/29/96

Drilling Contractor: Bayland Drilling
 Drilling Method: Hollow Stem Auger
 Driller: Jon, John

Sanitary Seal/Backfill: Cement
 Sampler Type: Split Spoon
 Total Boring Depth: 20 Feet



EXPLANATION

water level during drilling	gradational
potentiometric water level	NR no recovery
drill sample	CONTACTS:
chemical analysis sample	— certain
sieve sample	- - - approximate
grab sample	uncertain

DREISBACH ENTERPRISES, INC.
 8410 AMELIA STREET
 OAKLAND, CALIFORNIA

PROJECT #079-395A

DREISBACH ENTERPRISES, INC.
 36D BLUFF ROAD
 WATSONVILLE, CALIFORNIA

TABLE 1. CUMULATIVE GROUND WATER SAMPLE RESULTS

WELL	DATE	TPHg (mg/L)	benzene (µg/L)	toluene (µg/L)	ethyl- benzene (µg/L)	xylene (µg/L)	MTBE (µg/L)
MW1	4/2/97	2.4	960	10	7	ND	60
MW1	9/18/96	0.54	220	1	3.5	ND	14
MW1	3/11/96	1.4	360	4.1	12	2.1	--
MW1	10/3/94	1.4	430	4	34	14	--
MW1	6/30/94	0.8	160	4	29	27	--
MW1	3/18/94	1.1	430	9.3	17	18	--
MW1	12/8/93	0.2	52	ND	ND	ND	--
MW1	10/27/89	ND	ND	ND	ND	ND	--
MW1	7/20/89	0.18	7.2	ND	ND	5.7	--
MW1	5/26/89	ND	ND	ND	0.53	0.57	--
MW1	2/16/89	0.12	3.2	ND	2.4	17	--
MW1	11/28/88	0.13	8.2	0.6	ND	5.0	--
MW1	7/28/88	ND	0.6	ND	ND	ND	--
MW2	4/2/97	0.34	62	9	21	33	14
MW2	9/18/96	2.9	410	11	310	87	57
MW2	3/11/96	1.8	200	93	110	230	--
MW2	10/3/94	3.9	1,100	190	290	330	--
MW2	6/30/94	1.7	340	78	110	150	--
MW2	3/18/94	0.7	160	40	71	68	--
MW2	12/8/93	8.5	2,100	660	400	780	--
MW3	3/11/96	ND	3.0	1.6	1.6	3.9	--
MW3	10/3/94	ND	ND	ND	ND	ND	--
MW3	6/30/94	ND	ND	ND	ND	ND	--
MW3	3/18/94	ND	ND	ND	ND	ND	--
MW3	12/8/93	ND	ND	ND	ND	ND	--
MW4	4/2/97	ND	ND	ND	ND	ND	ND
MW4	12/17/96	ND	ND	ND	ND	ND	ND
MW4	9/18/96	ND	1.7	ND	1.4	ND	ND
MW4	3/11/96	ND	ND	ND	ND	ND	--

NOTES

ND: Analyte not detected above stated limits. mg/L: Milligrams per liter.
 TPHg: Total petroleum hydrocarbons as gasoline. µg/L: Micrograms per liter.
 MTBE: Methyl t-butyl ether
 --: Not Analyzed
 Results reported prior to 12/8/93 reported by Uriah.
 See laboratory reports for individual detection limits used.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KIFARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION (LOP)

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

FAX (510) 337-9335

December 3, 1997

StID # 4340

Mr. Ronald Dreisbach
P.O. Box 7509
Oakland CA 94601

Mr. Al Pelton
Dreisbach Enterprises
8410 Amelia St.
Oakland CA 94621

**Re: Closure of Monitoring Wells at Dreisbach Enterprises,
8410 Amelia St., Oakland CA 94621**

Dear Messrs. Dreisbach and Pelton:

This letter serves to inform you than our office has received Regional Water Quality Control Board (RWQCB) concurrence for site closure in regards to the underground fuel leak from the 6000 gallon gasoline tank at the above referenced site. Therefore, our office requests the proper closure of the four monitoring wells from this site.

Monitoring well closure information may be obtained from Alameda County Public Works by calling Mr. Andreas Godfrey at (510) 670-5575.

I may be reached at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

Mr. T. Babcock, Environmental Biosystems, Inc., 30997 Huntwood
Ave., Hayward, CA 94544

welcl8410



DREISBACH
ENTERPRISES

Dedicated to Excellence

Corporate Office
P.O. Box 7509 • 2530 East Eleventh Street
Oakland, CA 94601
(510) 533-6600 • Fax (510) 534-2316

4390

Fax

To: BARNEY CHAN From: AL FELTON

Fax: _____ Pages: 9

Phone: _____ Date: 1/18/20

Re: _____ CC: _____

Urgent For Review Please Comment Please Reply Please Recycle

• Comments:

**ENVIRONMENTAL BIO-SYSTEMS, INC.**

Innovative Solutions for a Better Environment

Cont. Lic. # 687236

22 January 1998

Mr Al Pelton
Dreisbach Enterprises, Inc.
P.O. Box 7509
Oakland, CA 94601

**RE: EBS Project #079-485B, Well Destruction at 8410 Amelia Street, Oakland,
California**

Dear Mr. Pelton:

Environmental Bio-Systems, Inc. (EBS) provides this documentation of the destruction of ground water monitoring wells MW1, MW2, MW3, and MW4 at 8410 Amelia Street in Oakland, California (Figure 1 in Attachment A). The services described were performed according to the terms of proposal P97074B.

PROCEDURES

EBS procured Alameda County Public Works Agency (ACPWA) well destruction permit #98WR015 and City of Oakland Excavation Permit #X9800023 prior to the commencement of field work. Copies of these documents are included in Attachment B.

EBS oversaw the destruction of the wells by Gregg Drilling, Inc of Martinez, California (CS7 license #485165) on 20 January 1998. The wells were destroyed using the following methods:

1. An injection hose was inserted into the top of each well casing and secured in place with an expandable cap. Cement grout was then pumped through the injection hose, forcing grout into each well. An approximate pressure of 50 pounds per square inch was then maintained on the grout filled well for five minutes. The injection hose and

22 January 1998

Dreisbach Enterprises, Inc.
Monitoring Well Destruction
8410 Amelia St., Oakland, California

Page 2

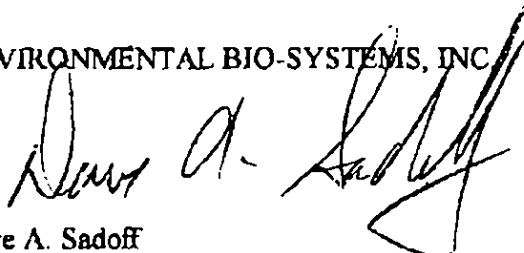
associated plumbing were subsequently removed from the well head, and the grout was allowed to set. Approximately 55 gallons of grout were pumped into well MW1, approximately 35 gallons into MW2, approximately 40 gallons into MW3, and approximately 15 gallons into MW4.

- 2. The well box was then removed. The resultant void was filled with concrete.

The methods used meet or exceeded ACPWA minimum requirements for well destruction, as well as DWR regulations contained in Bulletins 74-81 and 74-90

Sincerely,

ENVIRONMENTAL BIO-SYSTEMS, INC



Dave A. Sadoff
Project Geologist, R.G., R.E.A

DAS/
encl.

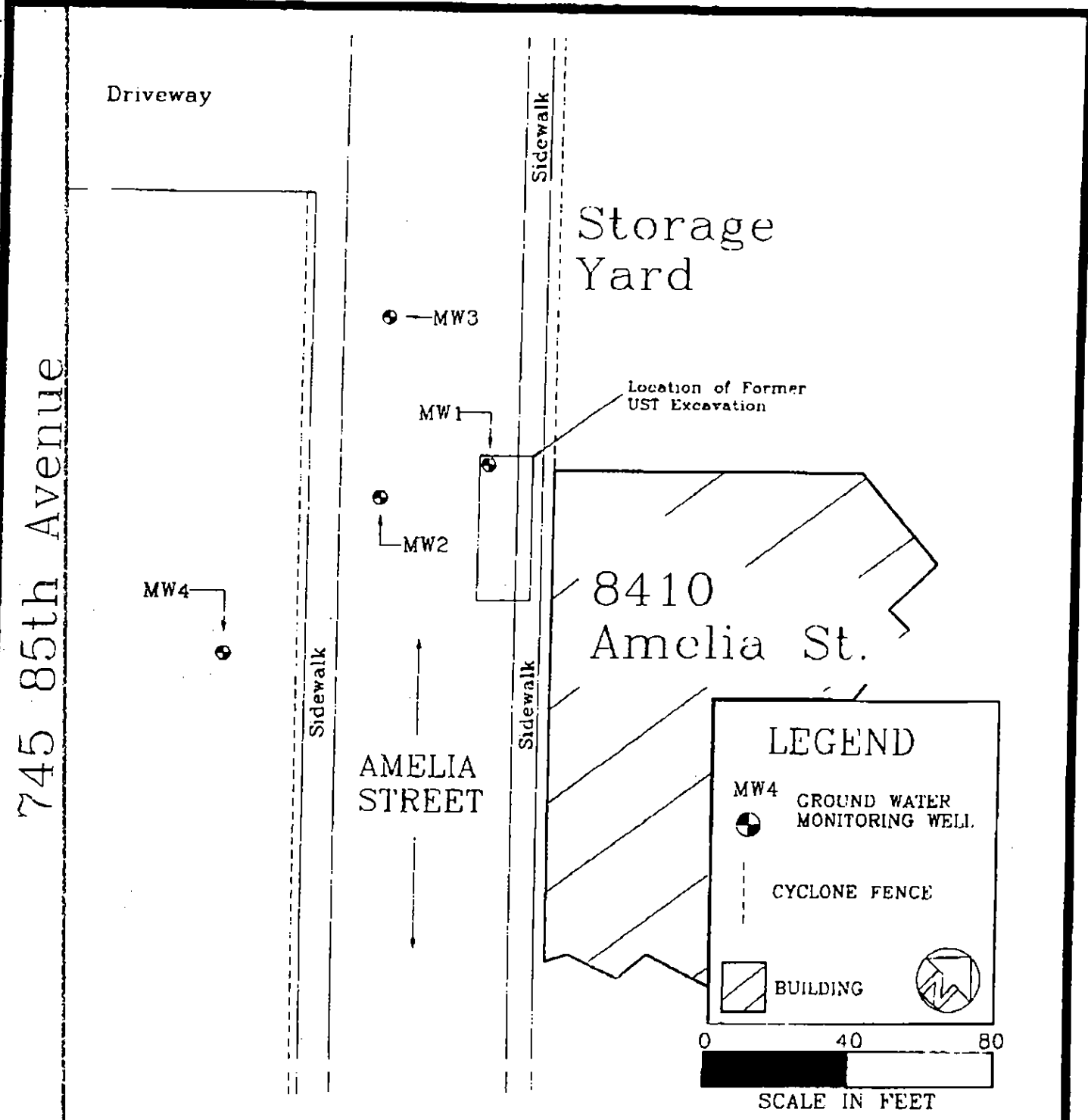
22 January 1998

Dreisbach Enterprises, Inc.
Monitoring Well Destruction
8410 Amelia St., Oakland, California

Appendix A

ATTACHMENT A

FIGURES



ENVIRONMENTAL
BIO-SYSTEMS, INC.

DATE:
1/22/98
PROJECT#:
079-485B
SCALE:
AS SHOWN

FIGURE 2:
SITE MAP

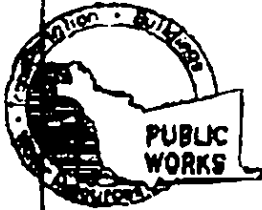
DREISBACH ENTERPRISES, INC.
8410 AMELIA STREET
OAKLAND, CALIFORNIA

22 January 1998

Dreisbach Enterprises, Inc.
Monitoring Well Destruction
8410 Amelia St , Oakland, California

Appendix B

ATTACHMENT B
ACPWA AND CITY OF OAKLAND PERMITS



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 870-5375 ANDREAS GODFREY FAX (510) 870-5265
(510) 870-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 8410 Amelia Street
Oakland, CA 94621

PERMIT NUMBER 98 WR 015
WELL NUMBER _____
APN _____

California Coordinate Source _____ N. Accuracy ± _____ ft.
IGN _____ ft. CCE _____ ft.
APN 42-4301-1-5

PERMIT CONDITIONS

Circle Permit Requirements Apply

CLIENT
Name Dreisbach Enterprises, Inc.
Address P.O. Box 7509 Phone 510-533-6600
City Oakland, CA Zip 94601

- (A) GENERAL
 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name Dave Sadoff
Address Env. Bio-Systems, Inc. Fax 510-429-9189
3097 Huntwood #100 Phone 510-429-9988
City Hayward, CA Zip 94544

- B. WATER SUPPLY WELLS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

TYPE OF PROJECT

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input checked="" type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

- D. GEOTECHNICAL
Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material in areas of known or suspected contamination, treated cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S LICENSE NO. C57 #485165

- E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

WELL PROJECTS

Drill Hole Diameter	<u>10</u> in.	Maximum Depth	<u>29</u> ft
Casing Diameter	<u>8</u> in.	Number	<u>2</u>
Surface Seal Depth	_____ ft.		

- F. WELL DESTRUCTION
See attached
- G. SPECIAL CONDITIONS

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum Depth	_____ ft
Hole Diameter	_____ in.		

ESTIMATED STARTING DATE 1/22/97
ESTIMATED COMPLETION DATE 1/22/97

APPROVED [Signature] DATE 1/15/97

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-08

APPLICANT'S SIGNATURE [Signature] DATE 12/31/97

2-05-1997 01:20PM FROM F

TO

94299199

P. 01



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL
ENGINEERING

PAGE 2 of 2

PERMIT NUMBER 29800023		SITE ADDRESS-LOCATION 8410 Amelia Street, Oakland	
APPROX START DATE 1/22/97	APPROX END DATE 1/22/97	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) (510) 773-7351	
CONTRACTOR'S LICENSE # AND CLASS C57 #485165 3135800		CITY BUSINESS TAX # 585033	

NOTICE: State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. **UNDERGROUND SERVICE ALERT (USA) # 4540**

48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to erect, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the said exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereon, (2) the work will be completed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two occasions during any three-year period. (Sec. 7044 Business and Professions Code).

as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law). I am exempt under Sec. _____, B&PC for this reason.

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

no. **1183454-97** Company Name: **State Compensation Insurance Fund**

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws and/or regulations (not required for work valued at one hundred dollars (\$100) or less).

NOTE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or that permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 9, Article 2 of the Oakland Municipal Code. It is granted on the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and agents, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property caused or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read and understand its requirements, and that the above information is true and correct under penalty of law.

[Signature] 1/18/97

Signature of Permittee Applicant Contractor Owner Date

STREET LAST EXCAVED BY W. Miller	SPECIAL PAVING DETAIL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
DATE ISSUED		1/18/97	