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

RACC8410Amelia

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

January 21,2000
StID# 4340

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

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

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

RO 889 AG

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, 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 7509nd
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 Mssrs. 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

Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files
Mr. T. Babcock, Environmental Biosystems, Inc., 30997 Huntwood Ave., Hayward, CA 94544
welc18410

ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY
Department Of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

FORWARDING
RETURN TO
EXPIRED

Mr. Al Pelton
Dreisbach Enterprises
8410 Amelia St.
Oakland, Ca 94621

NOT AT THIS ADDRESS

01-0301

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

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
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

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:

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

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	1Before	After2	Before	After3
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 Decommisioned: NO

Number Decommisioned: 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

Signature: eva chu Date: 10/2/97

VI. RWQCB NOTIFICATION

Date Submitted to RB: 11/7/97 RB Response: Approved

RWQCB Staff Name: K. Graves Title: AWRCE Date: 11/9/97

VII. ADDITIONAL COMMENTS, DATA, ETC.

see attached site summary

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.

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 amd 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 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.

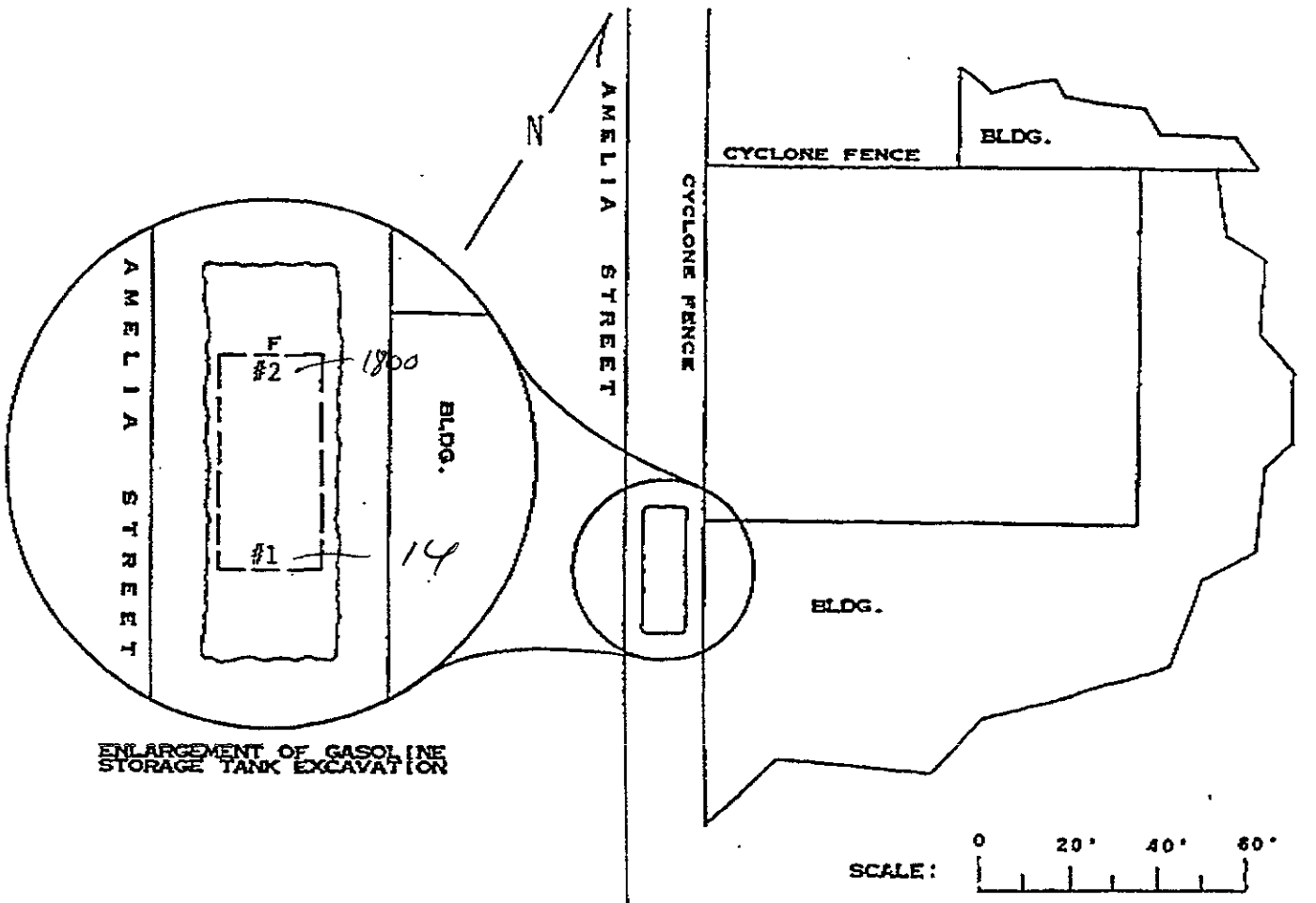
A deed notice should be implaced to inform construction or utility workers of potential petroleum contamination when working in Amelia St. near the former UST.

ssum8410

BLAINE
TECH SERVICES SAMPLING REPORT 88097CI, 4-6-88, CROSBY & OVERTON, 8410 AMELIA STREET, OAKLAND, CA

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

LEGEND: F = FILL END



ENLARGEMENT OF GASOLINE STORAGE TANK EXCAVATION

#1 SOIL FROM 11'
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'
ANALYSIS FOR TPH AS GASOLINE AND BTX
SEQUOIA LAB NO. 8040259

SAMPLING PERFORMED BY
STEPHEN CARTER

DIAGRAM PREPARED BY
BRAD 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	Sample Description
8040259	Soil, #2

	Detection Limit ppm	Sample Results 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	Sample Description
8040258	Soil, #1

	Detection Limit ppm	Sample Results 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

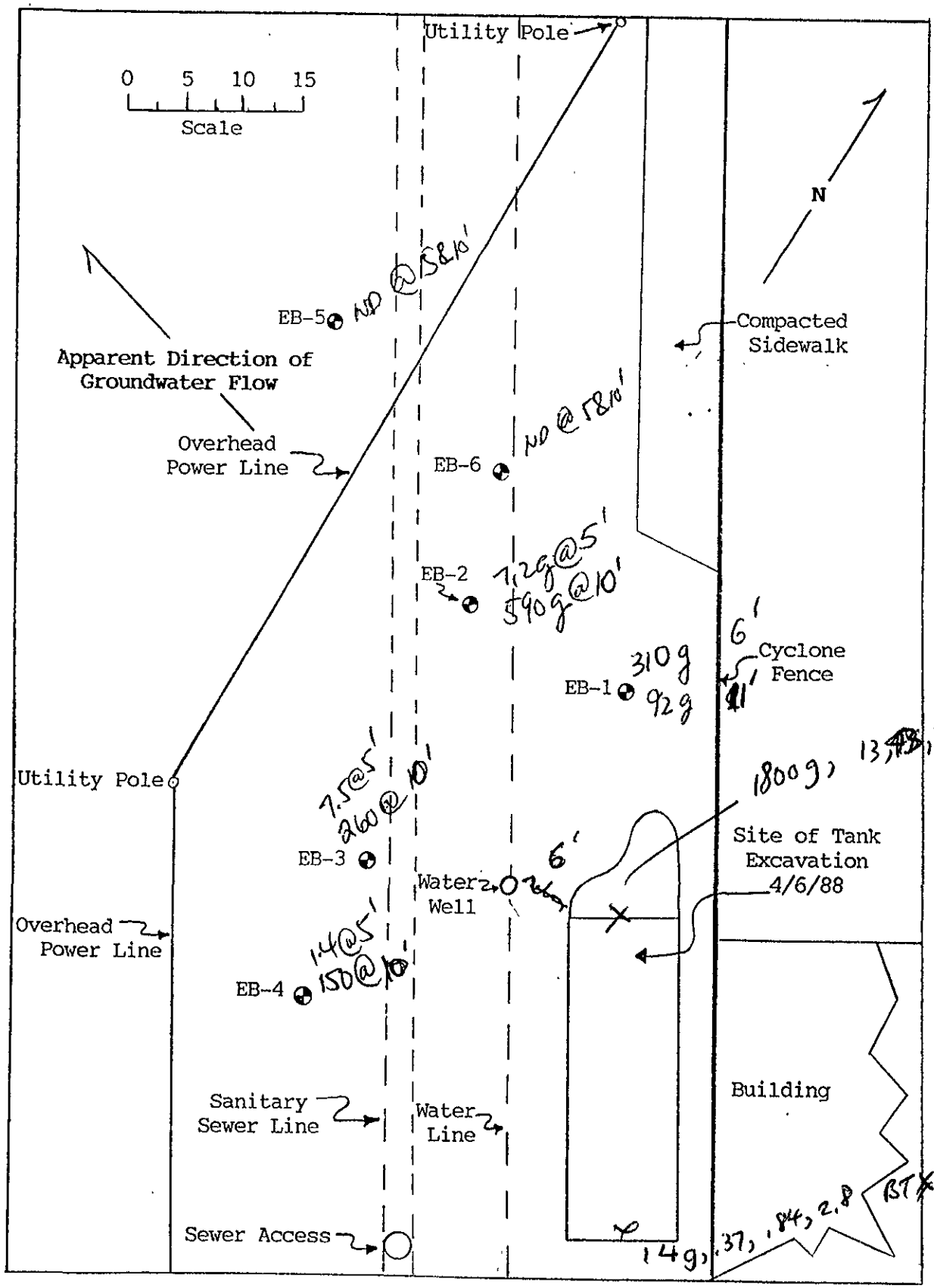
SOIL SAMPLING LOCATIONS AND CONTAMINANT CONCENTRATIONS

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

(Figure 1)

COPY



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

riah Environmental Services Inc.
45 Coffee Rd. Suite 5
odesto, CA 95352
ttn : John Rapp
President

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

Sample Number	Sample Description
068245	18288T1S Amelia St.-Oakland #1 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
otal Petroleum Hydrocarbons Gasoline	1	1,100
enzene	0.1	14
oluene	0.1	110
ylenes	0.1	360
hylbenzene	0.1	62

MW1 ↓ B10-10.5

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

ZCAT

Donald G. Evans

nald G. Evans
b 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

[1]ND- 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

[1]ND- Analyte not detected above stated limits.

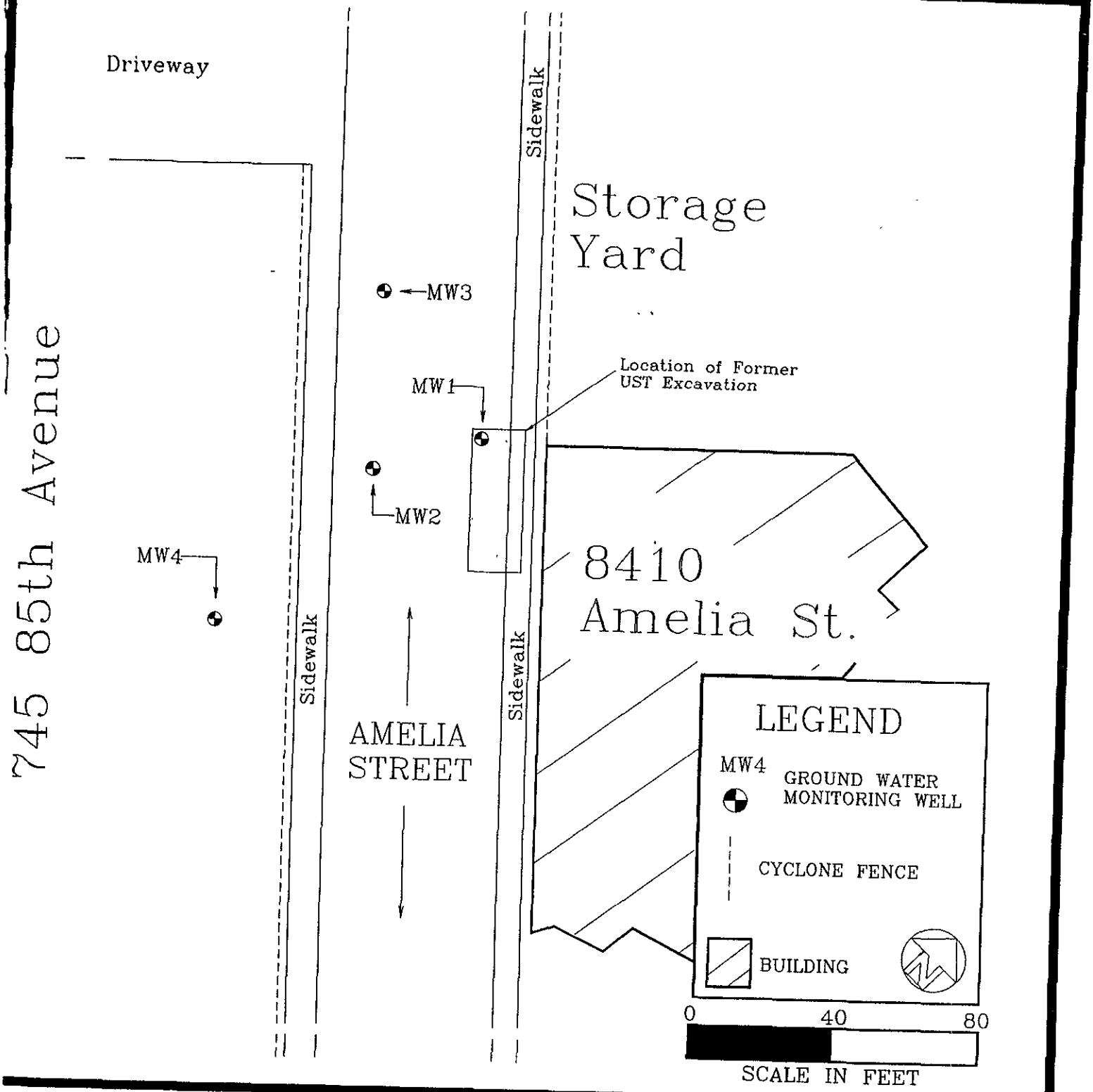
NOTE: See laboratory reports for individual detection limits used.

TABLE 1. SOIL SAMPLE RESUTS

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.



ENVIRONMENTAL
BIO-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

Page of MW1

PROJECT NO. 18288J1S 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

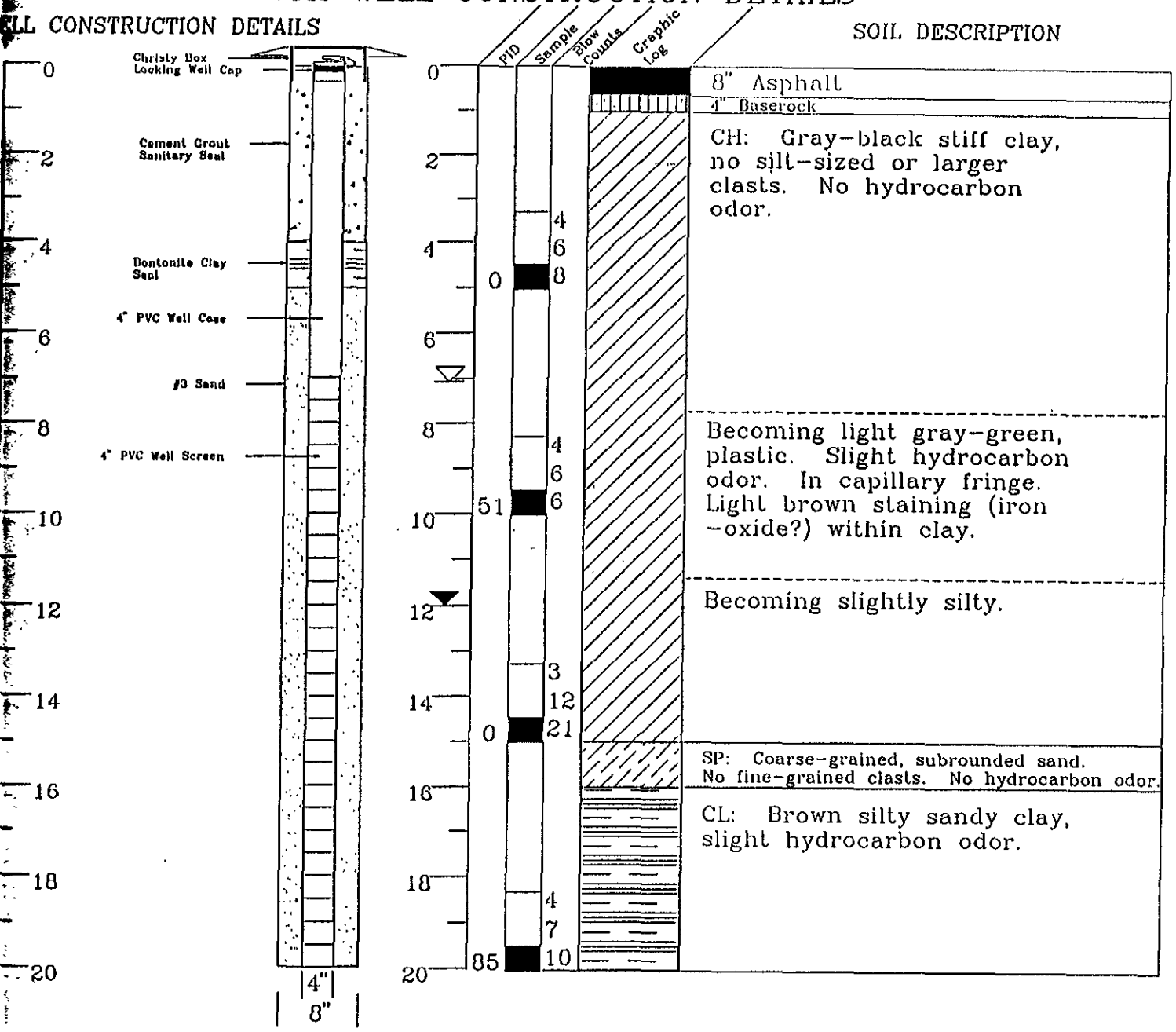
DRILLING METHOD Hollow stem auger SAMPLING METHOD Cal. modified split spoon DRILLED BY Bay Land Drilling

SAMPLES COLLECTED: BOR	SAMPLES COLLECTED: DEPTH (ft)	SAMPLES COLLECTED: SAMPLE NO	SOIL DESCRIPTION: TEXTURE, COLOR, MOISTURE, CONSISTENCY, GRAIN-SIZE, ETC	UNIFIED SOIL CLASSIF	GRAPHIC LOG	PENETRATION COLLECTED: blows 6"X6"X6"	PENETRATION COLLECTED: BPF	WELL CONSTRUCTION DETAILS
			Asphalt, 0.0-0.7'.					
			Gravelly, sandy, clayey silt basefill, 0.7-2.5' 10YR 4/2.					
			Pebbly sand basefill 2.5-3.0' 10YR 3/2.	CL				
			Silty clay, 10YR 2/2 3.0-4.0'.					
	10.0-10.5	18288 J1S #1	Pebbly, sandy clay, 4.0-5.0', 10YR 4/2.	MH		6X7X10		
			Slightly silty clay 5.0-10.0' 10YR 3/2 Hydrocarbon odor.					
	15.0-15.5	18288 J1S #2	Slightly clayey, fine silt 10.0-12.0' 5GY 4/2.			2X5X9		
			Slighly silty clay 12.0-30.0' 5GY 4/2.	CL				
			Water first detected at 16.0'.					
			Water level settled at 10.2' after completion.					
			Monitoring well logged and supervised by Geonomics staff Geologist under the supervision of R. W. Michelson.					

Ronald W Michelson

REGISTERED GEOLOGIST RONALD W. MICHELSON No. 3875 STATE OF CALIFORNIA

LOG OF SOIL BORING MW2
WITH WELL CONSTRUCTION DETAILS



Logged by: D. Sadoff
Inspector: Barney Chan
Date(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

EBS ENVIRONMENTAL BIO-SYSTEMS, INC.

EXPLANATION

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

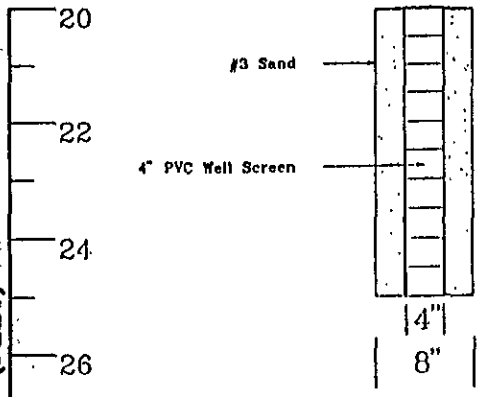
DREISBACH ENTERPRISES, INC.
8410 AMELIA STREET
OAKLAND, CALIFORNIA

PROJECT #079-237-02A

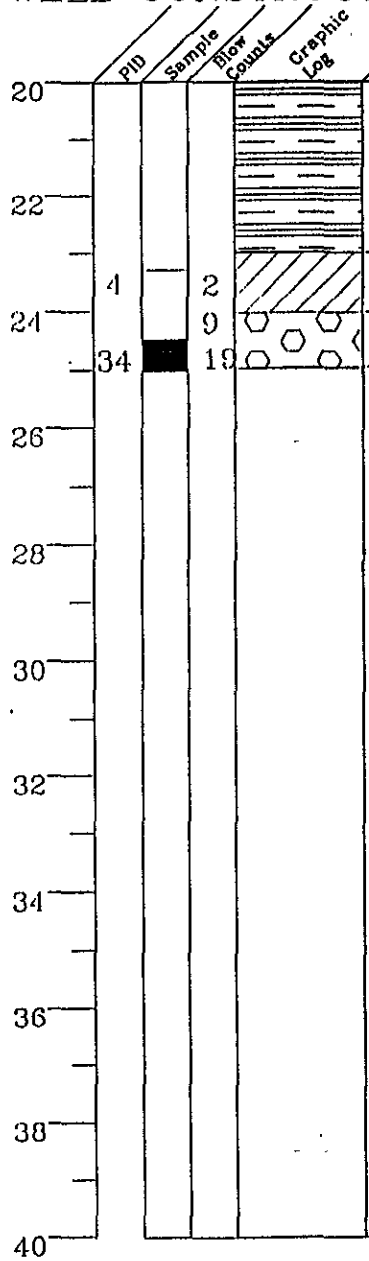
DREISBACH ENTERPRISES, INC.
36D BLUFF ROAD
WATSONVILLE, CALIFORNIA

LOG OF SOIL BORING MW2
WITH WELL CONSTRUCTION DETAILS

WELL CONSTRUCTION DETAILS



DEPTH BELOW GROUND SURFACE (FEET)



SOIL DESCRIPTION

CL: Brown silty sandy clay, slight hydrocarbon odor.

CH: Light gray–green plastic clay.

GP: Subrounded gravel, clasts of quartz, serpentine, rhyolite; no fine–grained clasts.

Boring terminated at 25–feet below ground surface.

Logged by: D. Sadoff
Inspector: Barney Chan
Date(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

ENVIRONMENTAL BIO–SYSTEMS, INC.

EXPLANATION

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

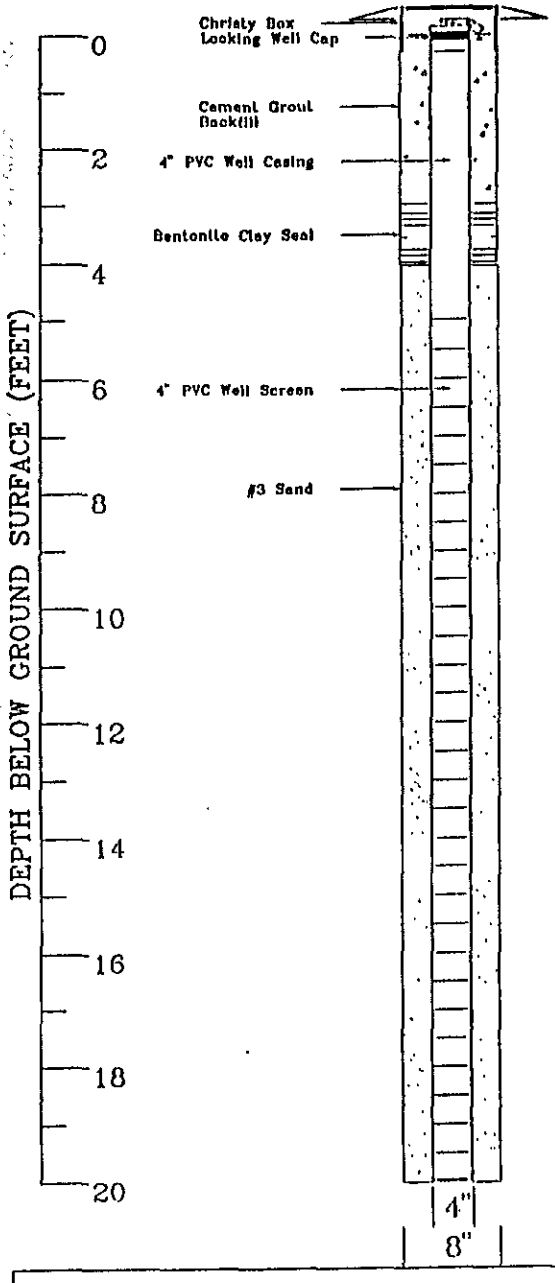
DREISBACH ENTERPRISES, INC.
8410 AMELIA STREET
OAKLAND, CALIFORNIA

PROJECT #079–237–02A

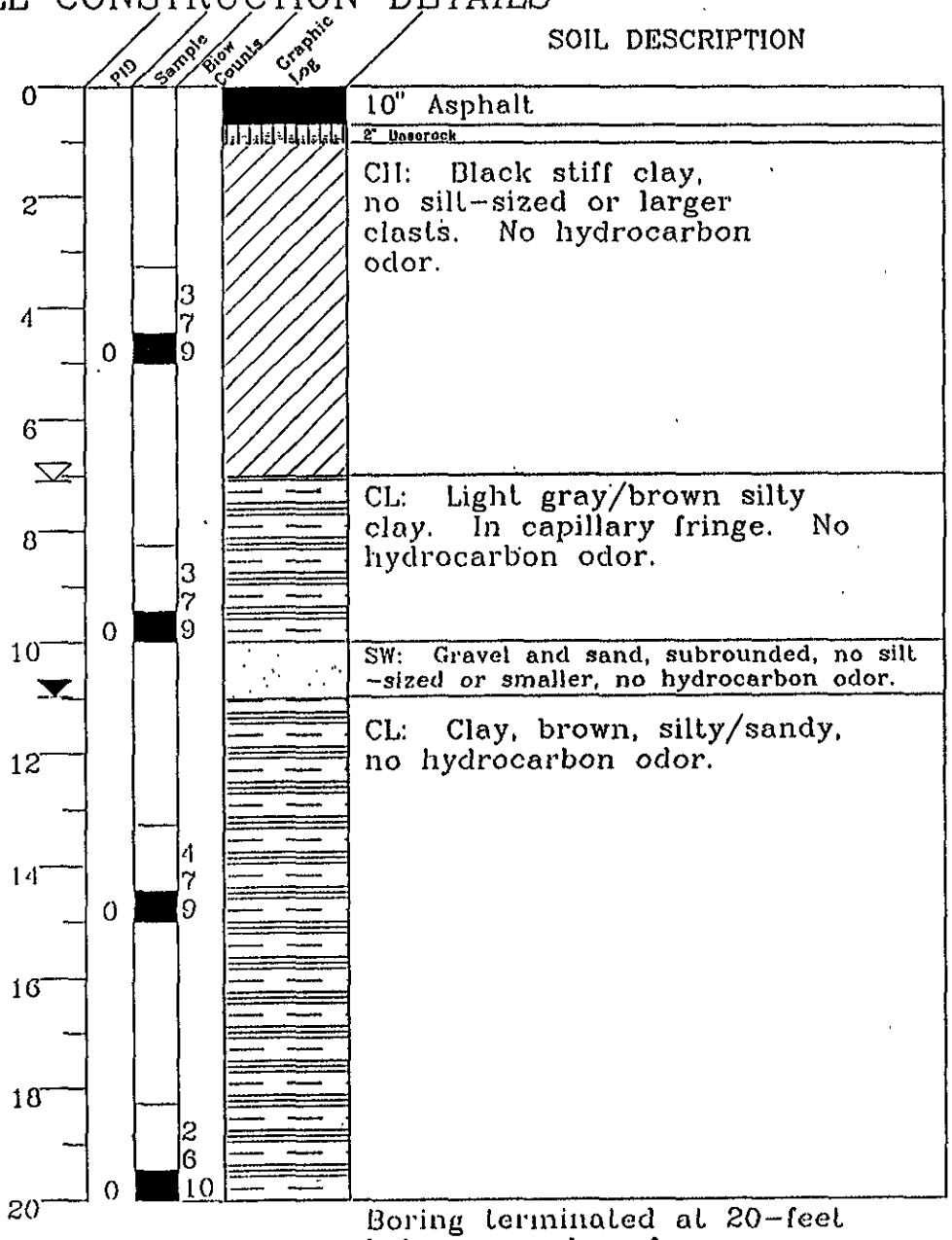
DREISBACH ENTERPRISES, INC.
36D BLUFF ROAD
WATSONVILLE, CALIFORNIA

LOG OF SOIL BORING MW3
WITH WELL CONSTRUCTION DETAILS

WELL CONSTRUCTION DETAILS



SOIL DESCRIPTION



Boring terminated at 20-feet below ground surface.

Logged by: D. Sadoff
Inspector: Barney Chan
Date(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: 20-Feet

ENVIRONMENTAL BIO-SYSTEMS, INC.

EXPLANATION

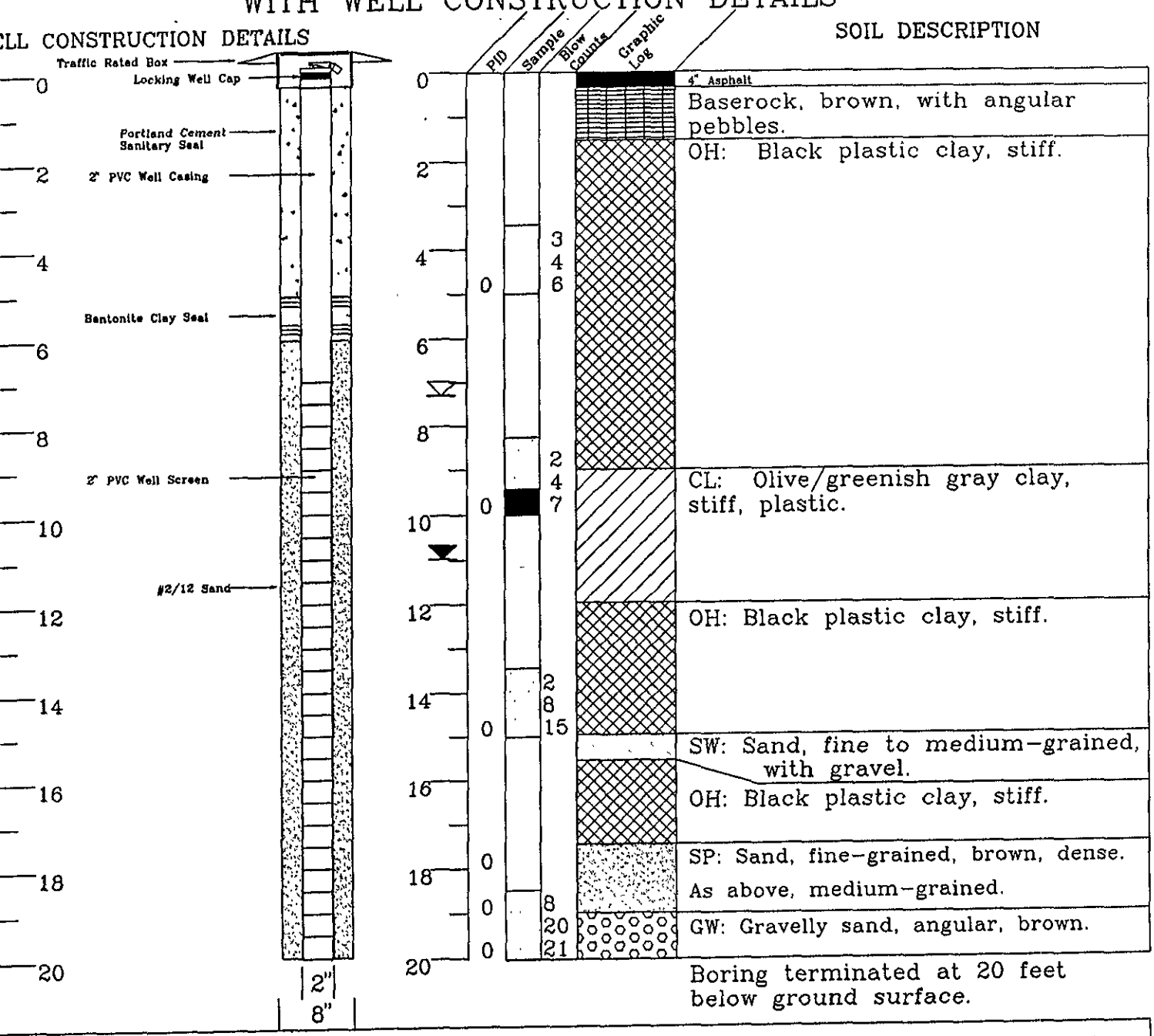
- water level during drilling
- potentiometric water level
- drill sample
- chemical analysis sample
- sieve sample
- grab sample
- gradational
- NR no recovery
- CONTACTS:
- certain
- approximate
- uncertain

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



Logged by: D. Sadoff
Inspector: Barney Chan
Date(s): 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

ENVIRONMENTAL BIO-SYSTEMS, INC.

EXPLANATION

- water level during drilling
- potentiometric water level
- drill sample
- chemical analysis sample
- sieve sample
- grab sample
- gradational
- NR no recovery
- CONTACTS:
- certain
- approximate
- 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)	xylenes (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.
TPHg: Total petroleum hydrocarbons as gasoline.
MTBE: Methyl t-butyl ether
--: Not Analyzed
mg/L: Milligrams per liter.
µg/L: Micrograms per liter.
Results reported prior to 12/8/93 reported by Uriah.
See laboratory reports for individual detection limits used.