



September 2, 1998

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510)

REMEDIAL ACTION COMPLETION CERTIFICATE

Mildred Fisher
1 Crestmont Drive
Oakland CA 94619

Wayne Kelly
148 Pavlon
Hercules CA 94547

RE: **Former Kelly Auto Parts, 4400 Telegraph Avenue, Oakland CA 94608**
(Our site # 5774)

Dear Mrs. Fisher and Mr. Kelly:

This letter confirms the completion of a site investigation for the underground storage tanks formerly located at the above referenced location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks 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 complete, no further action related to the underground tank investigation is required.

This Notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact Pamela Evans of our office with any questions at (510)567-6770.

Sincerely,

A handwritten signature in black ink, appearing to read "Mee Ling Tung". The signature is fluid and cursive.

Mee Ling Tung
Director, Environmental Health Specialist

c: Files
Robert Kitay, Aqua Science Engineers Inc., 208 W. El Pintado Rd. Danville CA 94526

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



01-0856

~~97 OCT 27 PM 1:19~~
ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

October 21, 1997

Kevin Graves ✓
California Regional Water Quality Control Board
2101 Webster St., Suite 500
Oakland CA 94612

RE: Case Closure - Former Kelly Auto Parts, 4400 Telegraph Av., Oakland 94609
Our site #5774

Dear Mr. Graves:

Enclosed is a case closure summary for your review and sign-off. Scott Seery and I met with you in early September to discuss the case. The responsible parties are eagerly awaiting case closure.

Thank you for your attention and assistance in this matter. Please contact me with any questions at 567-6770.

Sincerely,

Pamela J. Evans
Senior Hazardous Materials Specialist

Encl

c: Gordon Coleman, Environmental Health Services
Robert Kitay, Aqua Science Engineers
2411 Old Crow Canyon Rd., Suite 4
San Ramon CA 94583

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Agency name: **Alameda County-EPD**
 City/State/Zip: **Alameda, CA 94502**
 Responsible staff person: **Pamela Evans**

Date: **09/25/97**
 Address: **1131 Harbor Bay Pkwy #250**
 Phone: **(510) 567-6770**
 Title: **Senior Hazardous Materials Specialist**

II. CASE INFORMATION

Site facility name: **Former Kelly Auto Parts**
 Site facility address: **4400 Telegraph Av., Oakland 94609**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **5774**
 URF filing date: **10/24/88** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
#1 Mrs. Mildred Fisher	1 Crestmont Drive Oakland CA 94619	unknown
#2 Mr. Wayne Kelly	148 Pavlon Hercules CA 94547	(510)724-4032

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	550	Stoddard's solvent	removed	4/88
2	6,000	Stoddard's solvent	removed	4/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **tank and/or piping corrosion**
 Site characterization complete? **YES**
 Date approved by oversight agency: **9/9/97**
 Monitoring Wells installed? **YES** Number: **2**
 Proper screened interval? **YES**
 Highest GW depth below ground surface: **10.41'** Lowest depth: **13.04'**
 Flow direction: **south west**
 Most sensitive current use: **Commercial**
 Are drinking water wells affected? **NO** Aquifer name: **Unknown**
 Is surface water affected? **NO** Nearest affected SW name: **Not applicable**
 Off-site beneficial use impacts (addresses/locations): **None expected**
 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	6,000 and 550 gal	Shipped to H&H facility, Richmond	4/21/88
Piping		Unknown	
Product	150 gallons	Pumped and shipped to H&H	4/14/88
Soil		Unknown	
Groundwater		Unknown	
Barrels		Unknown	

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (in ppm)		Water (in ppm)	
	before	after	before	after
TPH (gasoline)	340.0	1.6	5.2	0.380
TPH (diesel)	415.9	220	94.0	0.130
benzene	ND	ND	0.0012	ND
toluene	0.0006	0.0096	0.0006	ND
xylene	1.1	0.042	2.30	3.2
ethyl benzene	ND	0.042	0.240	ND
oil & grease	18	NT	NT	NT
TEH	87	NT	NT	NT
TPH as stoddard's solvent	2.7	0.270	6.6	ND
TPH as paint thinner	NT	(BH-D, 11/96)270	23.0	0.280
chloroform	NT	NT	0.0023	NT
phenanthrene as PNA	NT	NT	0.0066	NT
MTBE	NT	NT	ND	ND
Notes	Benzene & ethyl benzene not found in earliest soil samples.	Values come from boring samples done during '96. TPH as PT finding was from beneath former dry cleaning building	Historic highs thru 2/97, highest values all come from MW1	Values from 8/97 water sampling event

IV. Comments : In April, 1988, two solvent USTs were removed without the County's oversight. Initial soil sampling from the tank pit showed up to 87 ppm TEH. The owner was required to do further site characterization. In November, 1988, MW1 was installed northwest of the former UST pit. Initial groundwater samples taken from the boring for this well contained significant levels of TPHg, TPHd and E and X.

In January, 1996, three new 20' borings were done. B1 was placed south west of the former tank pit, and B2 and B3 were placed through the tank backfill. Soil samples between 4' and 11' showed up to 220 ppm TPHd, 2.7 ppm TPHss and 2.9 TPHpt. Groundwater samples from B1 showed in the hundreds of ppb of TPHg, TPHd, TPHss and TPHpt. (B1 was subsequently converted into a groundwater monitoring well, MW2, before the next sampling event in May '96.) Groundwater samples taken in January '96 from MW1 revealed in the thousands of ppb for various TPH ranges, plus 2.3 ppb chloroform.

In May and August, 1996, MW1 and MW2 were sampled. In May, MW1 again showed TPHg, -d, -ss, and -pt levels at roughly similar levels to those found in January, except that TPHd hit a historic high in May of 94.0 ppm. By August '96, all TPH levels in MW1 had dropped to ND, except for TPHpt, which was detected at 0.34 ppm. Levels of TPH in MW2 were in the low hundreds of ppb in May '96, and had dropped to ND by August for all types except TPHpt, which was detected at 0.097 ppm. The consultant's report indicated that the chromatogram for most of these TPH analyses showed

non-typical patterns. BTEX were also detected in MW1 during this event. Benzene was detected only once during this investigation; at 1.2 ppb in May '96. Toluene dropped to non-detect in both wells by August '96 and stayed there through all subsequent groundwater sampling events. Both ethyl benzene and xylene were detected in both wells. These two contaminants will be further discussed in this report.

In September, 1996 three shallow (9') borings (BH-A, BH-B and BH-C) were made beneath the former dry cleaning building, directly upgradient from the former tank location. While hydrocarbon odors and an OVM reading of 917 ppm at four feet were noted in BH-B, the boring nearest the former tank pit, no such observations were made in association with the other two borings and no VOCs were detected by the laboratory in any of the soil samples.

In November, 1996, a new 20' boring (BH-D) was made next to BH-B. Soil and groundwater samples were analyzed for TPH, BTEX, VOCs and MTBE. In addition, groundwater collected from BH-D was analyzed for PNAs. Soil at 15' was analyzed based on positive OVM readings. TPHd, TPHpt, and TEX were found. Groundwater results for detected compounds from BH-D and the two established monitoring wells were as follows:

Sampling point	TPHd	TPHpt	ethyl benzene	total xylenes	phenanthrene	other PNAs
boring	100	1,200	1.5	14	6.6	ND
MW1	6,700	23,000	ND	ND	ND	ND
MW2	ND	140	ND	1.7	ND	ND

results are in part per billion

No TPHg, TPHss, benzene, toluene or MTBE was found in groundwater. Groundwater flow direction was, as in past sampling events, found to be to the south west.

During 1997, groundwater was sampled in February, May and August, with the following findings from MW1 in parts per billion.

MW1	TPHg	TPHd	TPHss	TPHpt	benzene	toluene	ethyl benzene	total xylenes	MTBE
2/97	ND	9,500	ND	29,000	ND	ND	240	2,300	ND
5/97	ND	ND	640	ND	ND	1.5	0.5	4.5	ND
8/97	380	130	ND	280	ND	ND	ND	3.2	ND

results are in ppb

No contaminants of concern were found in MW2 in 1997. Low concentrations of hydrocarbon contaminants persisted in MW1 during 1997, but none were found in MW2 during this period.

IV. CLOSURE

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

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

Does corrective action protect public health for current land use? Yes, however, certain site management requirements apply. If any future uses of the property include use of groundwater, the user or owner would have to be prepared to treat the groundwater for hydrocarbon contamination.

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NO
Number Decommissioned: 0 (pending case closure) Number Retained: 2

List enforcement actions taken: None

List enforcement actions rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Pamela J. Evans Title: Senior Hazardous Materials Specialist

Signature: *Pamela J. Evans* Date: 10/10/97

Reviewed by

Name: Tom Peacock Title: Supervising Hazardous Materials Specialist

Signature: *Tom Peacock* Date: 10/17/97

Name: Scott Seery Title: Hazardous Materials Specialist

Signature: *Scott Seery* Date: 10/10/97

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: *Approved*

RWQCB Staff Name: Kevin Graves Title: San. Eng. Assoc. Date:

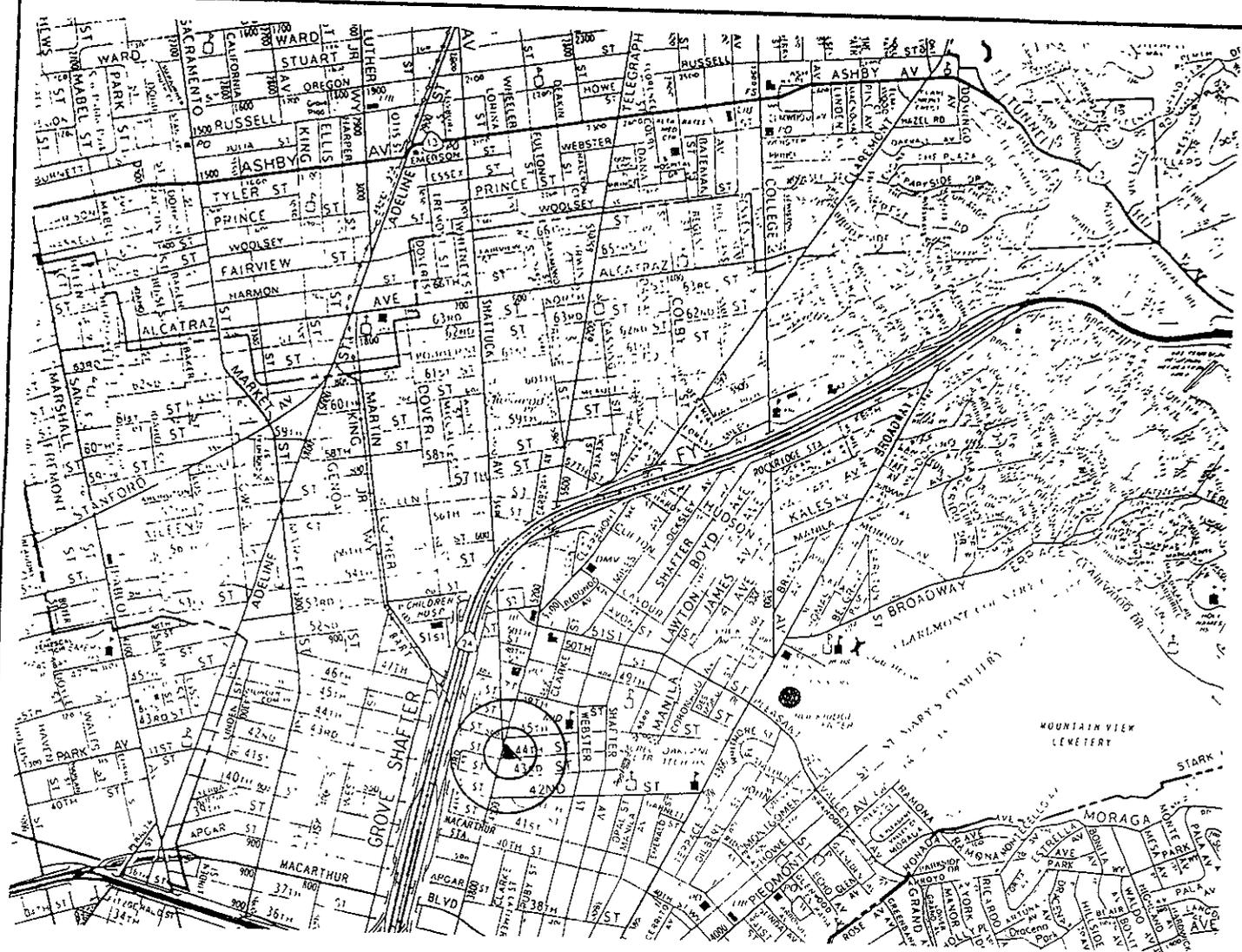
Kevin Graves 10/24/97

VII. ADDITIONAL COMMENTS, DATA, ETC.

Based on the soil and groundwater findings, case closure seems appropriate. The leak has been stopped and source (tanks) has been removed. The site has been adequately characterized through boring and monitoring well data. The plume does not appear to be migrating, and the groundwater gradient has been fairly consistent. No water wells, deeper drinking water aquifers, surface waters, or other sensitive receptors are likely to be impacted. None of the contaminants at the site appears to present a significant risk to human health based on a comparison to ASTM E 1739-95 RBCA RBSL for risk-driving compounds for commercial sites. High boiling point hydrocarbons are likely to persist in groundwater, with impacted soils in the capillary zone the likely long term source. Levels of these contaminants can be expected to fluctuate seasonally due to sorption and desorption as groundwater levels rise and fall. However, the site seems not to present a significant risk to the environment.

See attachments:

1. Site location map (general vicinity)
2. Site diagram showing wells, borings, former tank pit location and other structures
3. Boring logs (For MW-1, MW-2 and BH-D only; others not available)
4. Data tables from reports

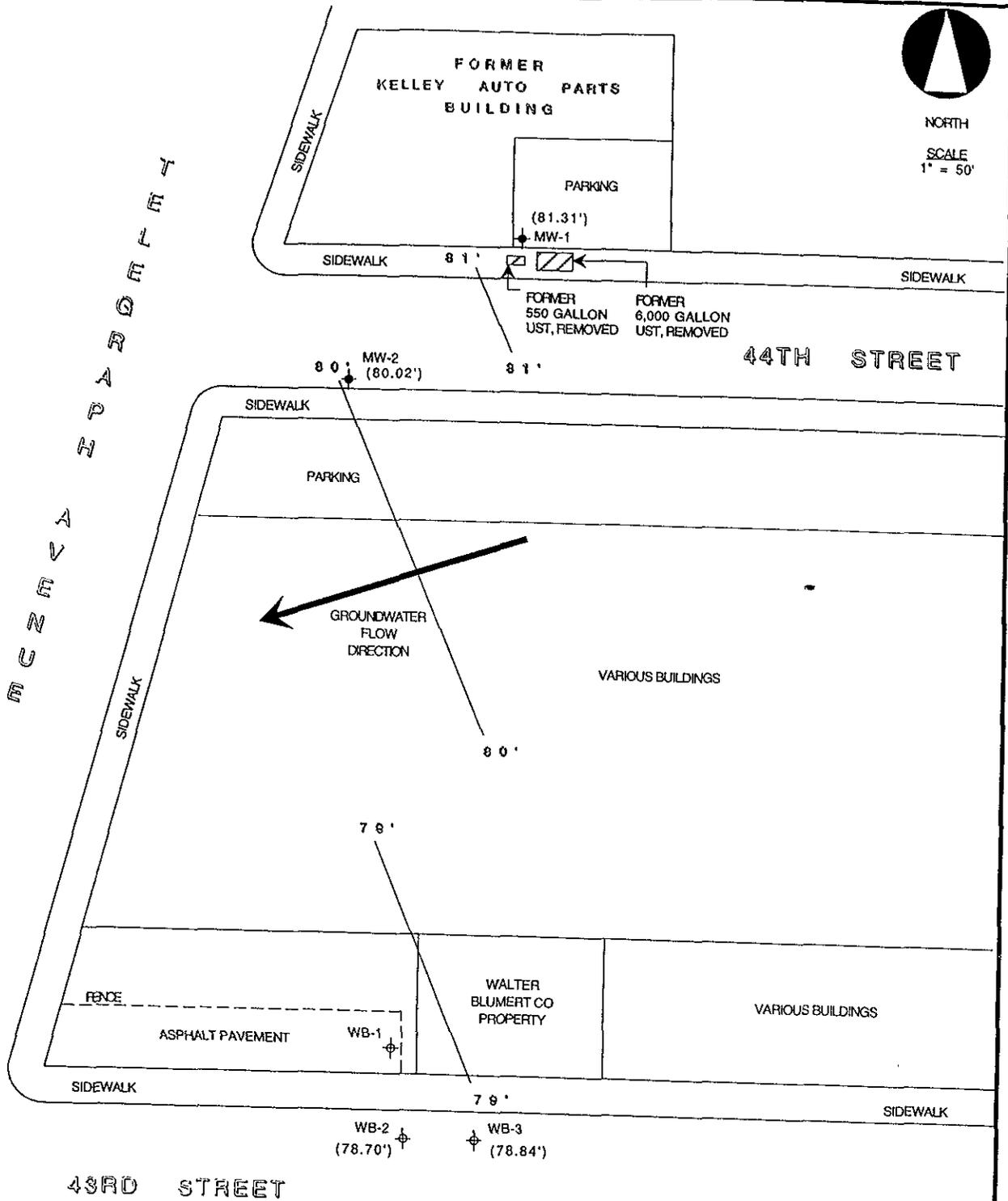


LOCATION MAP	
Former Kelley Auto Parts 4400 Telegraph Avenue Oakland, California	
AQUA SCIENCE ENGINEERS, INC.	Figure 1



NORTH

SCALE
1" = 50'



LEGEND

MW-1
+
(81.31') MONITORING WELL, INSTALLED BY ASE,
WITH GROUNDWATER ELEVATION IN
FEET AMSL.

WB-3
+
(78.84') MONITORING WELL, INSTALLED BY KEI,
WITH GROUNDWATER ELEVATION IN
FEET AMSL.

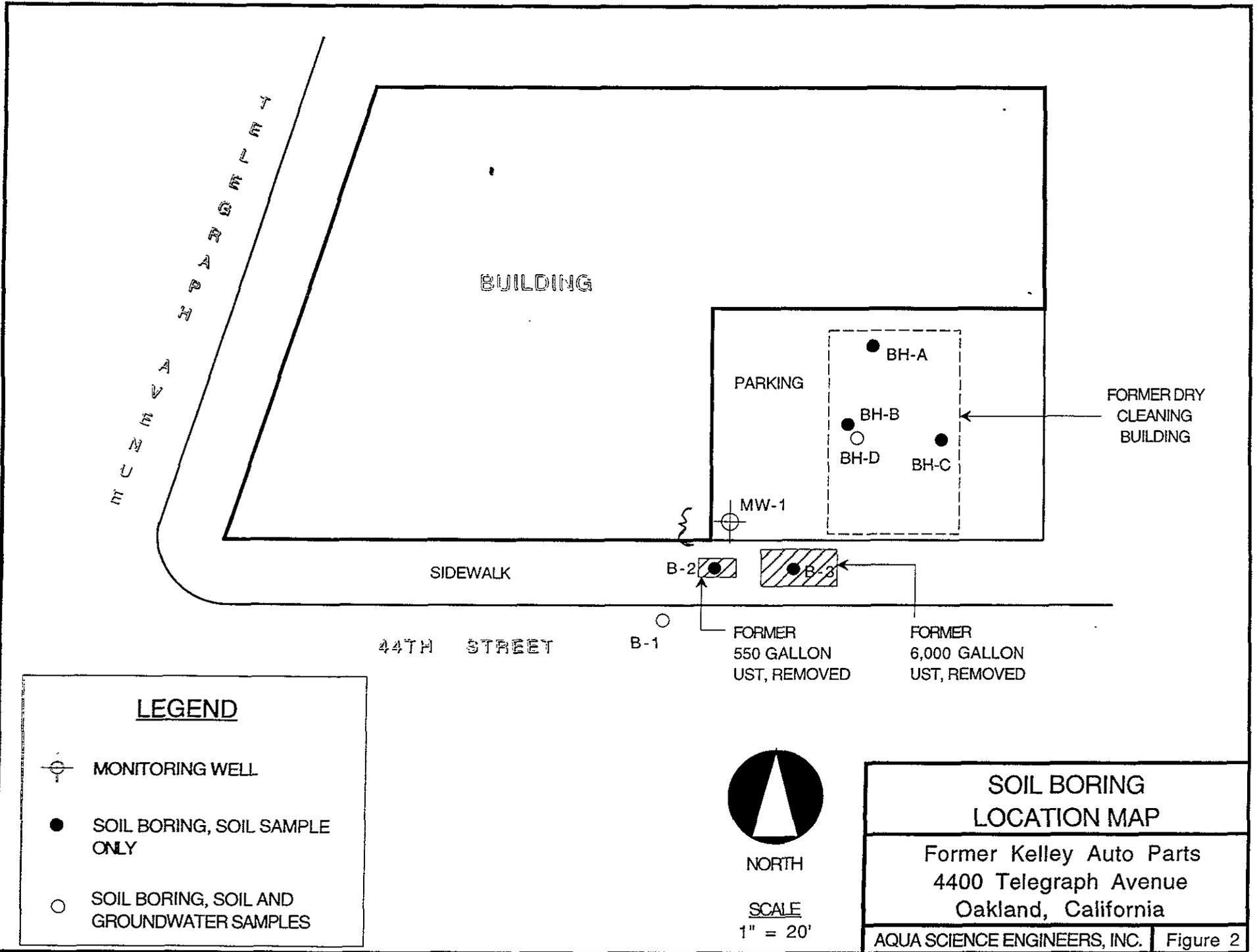
—
80' GROUNDWATER ELEVATION CONTOUR

**GROUNDWATER ELEVATION
CONTOUR MAP 8-06-97**

Former Kelley Auto Parts
4400 Telegraph Avenue
Oakland, California

AQUA SCIENCE ENGINEERS, INC.

Figure 2



LEGEND

-  MONITORING WELL
-  SOIL BORING, SOIL SAMPLE ONLY
-  SOIL BORING, SOIL AND GROUNDWATER SAMPLES



NORTH

SCALE
1" = 20'

SOIL BORING LOCATION MAP	
Former Kelley Auto Parts 4400 Telegraph Avenue Oakland, California	
AQUA SCIENCE ENGINEERS, INC.	Figure 2

TABLE THREE
Summary of Chemical Analysis of GROUNDWATER Samples
All results are in parts per billion

Boring	Date	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
MW-1	01-12-96	<2.5	<2.5	<2.5	<2.5	<10
	05-06-96	1.2	0.84	2.1	18	<5
	08-01-96	<0.5	<0.5	3.5	15	<5
	11-01-96	<500*	<500*	<500*	<500*	<5,000*
	02-07-97	<50*	<50*	240	2,300	<500*
	05-21-97	<0.5	1.5	0.50	4.5	<5
	08-06-97	<0.5	<0.5	<0.5	3.2	<5
MW-2	05-06-96	<0.5	0.67	<0.5	2.8	<5
	08-01-96	<0.5	<0.5	<0.5	4.3	<5
	11-01-96	<0.5	<0.5	<0.5	1.7	<5
	02-07-97	<0.5	<0.5	<0.5	<0.5	<5
	05-21-97	<0.5	<0.5	<0.5	<0.5	<5
	08-06-97	<0.5	<0.5	<0.5	<0.5	<5

Former Kelley Auto Parts Quarterly Report - August 1997 Sampling

Summary of Groundwater Well Survey Data

Well I.D.	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation (msl)
MW-1	05-06-96	94.32	12.03	82.29
	08-01-96		12.96	81.36
	11-01-96		12.61	81.71
	02-07-97		10.59	83.73
	05-21-97		13.04	81.28
	08-06-97		13.01	81.31
MW-2	05-06-96	92.59	11.52	81.07
	08-01-96		12.52	80.07
	11-01-96		12.21	80.38
	02-07-97		10.41	82.18
	05-21-97		12.61	79.98
	08-06-97		12.57	80.02
WB-2 <i>(off-site well @ adjoining site)</i>	05-06-96	90.55	11.22	79.33
	08-01-96		11.73	78.82
	11-01-96		11.69	78.86
	02-07-97		9.21	81.34
	05-21-97		11.29	79.26
	08-06-97		11.85	78.70

TABLE TWO
Summary of Chemical Analysis of GROUNDWATER Samples
 All results are in parts per billion

Boring	Date	TPH-G	TPH-D	TPH-SS	TPH-PT
MW-1	01-12-96	5,200*	26,000*	6,600	7,900*
	05-06-96	5,100*	94,000*	4,300*	4,300
	08-01-96	< 50	150*	< 50	370
	11-01-96	< 50,000**	6,700	< 1,000**	23,000
	02-07-97	< 5,000**	9,500	< 1,000**	29,000
	05-21-97	< 50	< 50	640	< 50
	08-06-97	380	130	< 50	280
MW-2	05-06-96	410*	290*	340*	340
	08-01-96	< 50	< 50	< 50	97
	11-01-96	< 50	< 50	< 50	140
	02-07-97	< 50	< 50	< 50	< 50
	05-21-97	< 50	< 50	< 50	< 50
	08-06-97	< 50	< 50	< 50	< 50

Notes:

* = Non-typical chromatogram pattern

** = Detection limit raised due to elevated hydrocarbon concentrations

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DETAILS

Monitoring Well MW-2

Project Name: Kelley Auto Parts

Project Location: 4400 Telegraph Avenue, Oakland, CA

Page 1 of 1

Driller: Soils Exploration Services

Type of Rig: CME 55

Type and Size of Auger: 8-inch O.D. Hollow-stem.

Logged By: Robert E. Kitay

Date Drilled: May 1, 1996

Checked By: David M. Schultz, P.E.

WATER AND WELL DATA

Depth of Water First Encountered: 11.8'

Static Depth of Water in Well: 11.8'

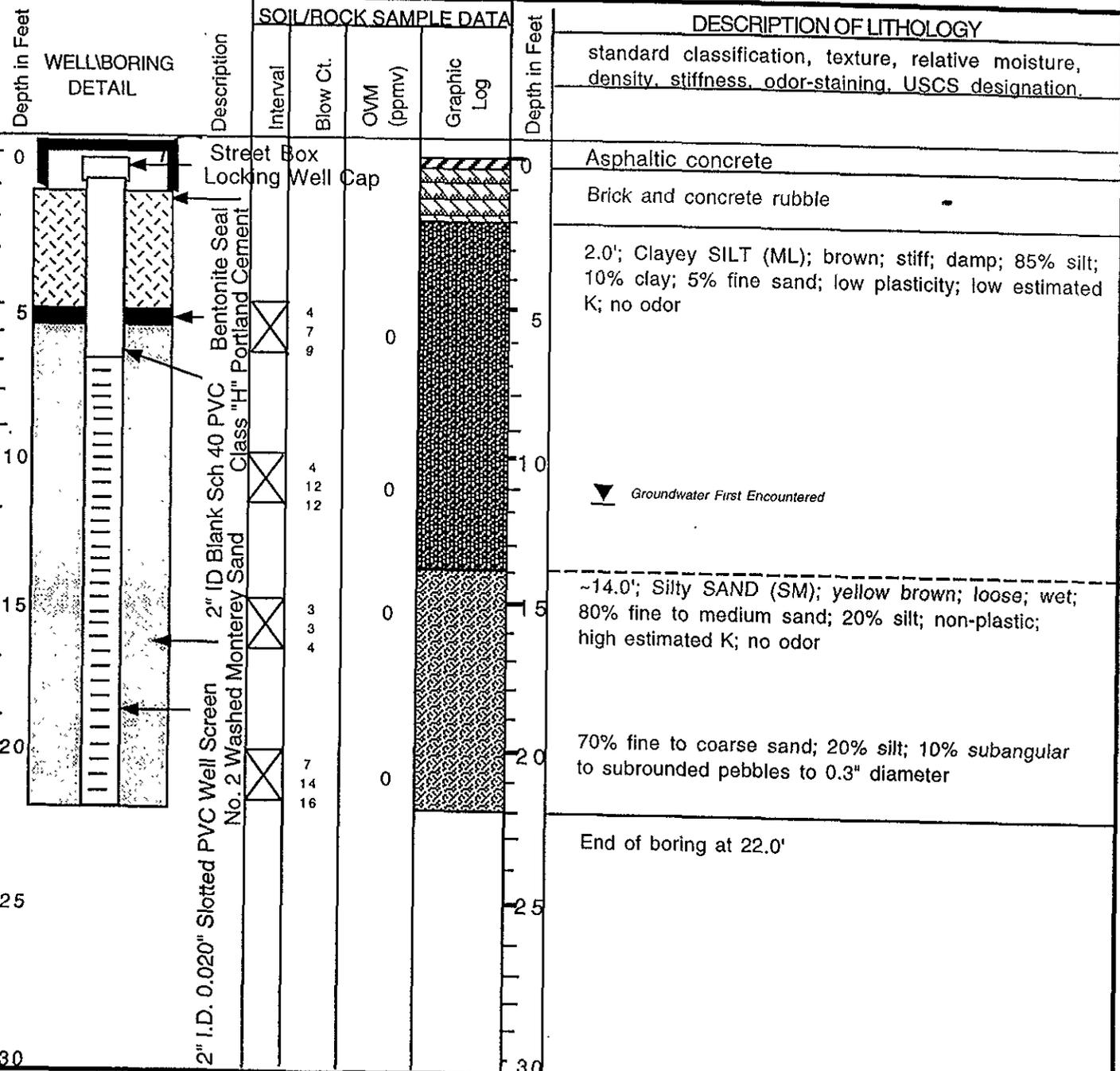
Total Depth of Boring: 22.0'

Total Depth of Well Completed: 22.0'

Well Screen Type and Diameter: 2" Diameter Schedule 40 PVC

Well Screen Slot Size: 0.020"

Type and Size of Soil Sampler: 2" I.D., Calif. Split-barrel



SOIL BORING LOG AND COMPLETION DETAILS

Boring BH-D

Project Name: Former Kelley Auto Parts

Project Location: 4400 Telegraph Avenue, Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2" Diameter Direct Push

Logged By: Robert E. Kitay

Date Drilled: November 1, 1996

Checked By: David M. Schultz, P.E.

WATER AND WELL DATA

Depth of Water First Encountered: 15.5'

Total Depth of Well Completed: NA

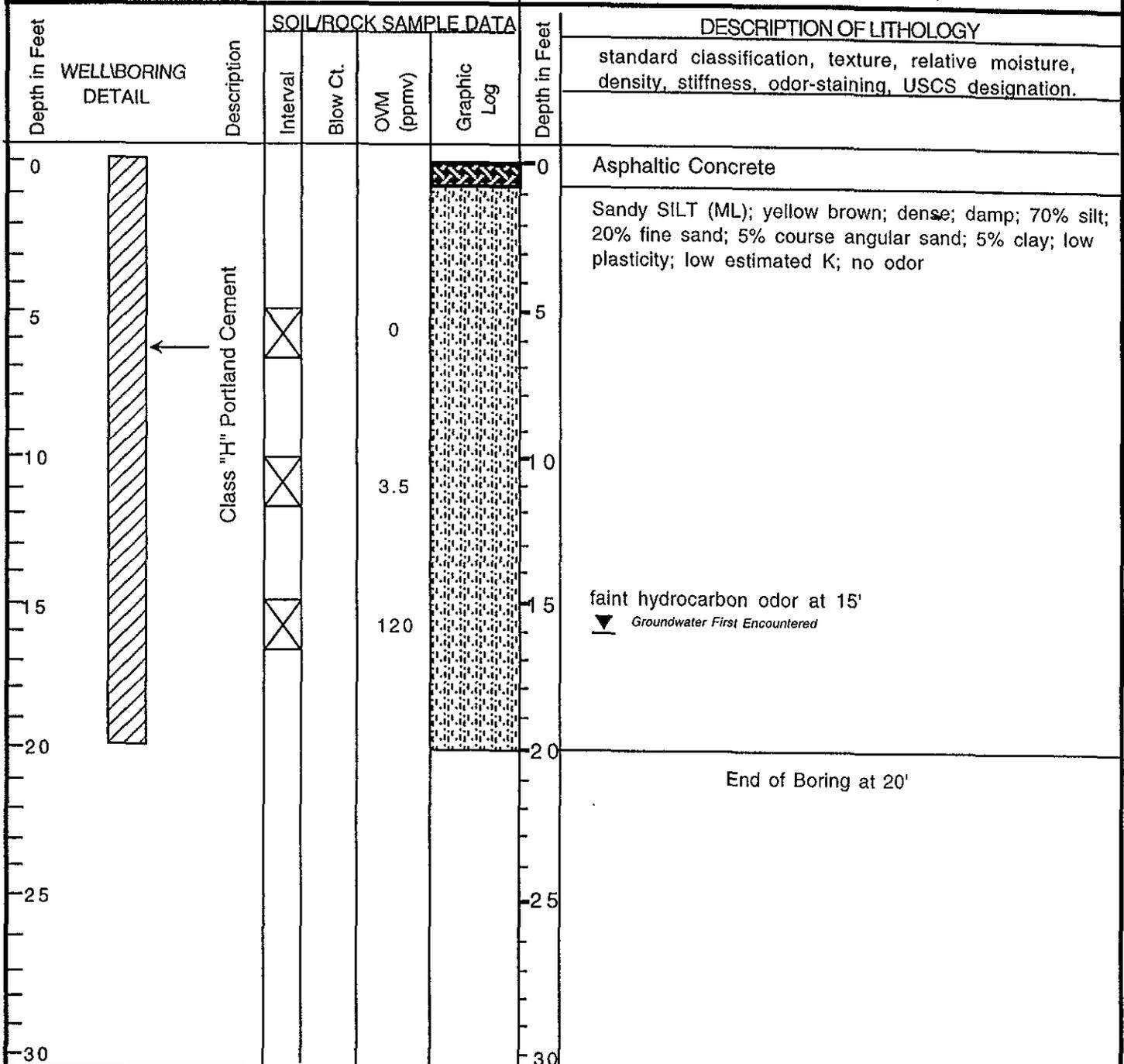
Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 20'

Type and Size of Soil Sampler: 2.0" I.D. Sampler



ft ↓	SOILS DESCRIPTION	MONITORING WELL DETAILS	Hammer Blow Count	REMARKS
0		Street, Box	0	
1	Asphalt approx. 4"			
2	Dark-Brown Silty Clay (CL)			
3				
4		Neat Cement Seal		
5	Gray-Green Angular Gravel			
6	Gray-Green Silty Clay (CL)			Sample 5'
7				
8		2" Blank PVC		
9	Pale-Brown Silty Clay (CL)			
10		Bentonite Seal		Sample 10'
11				
12				
13				Water Table at 14'
14		2" Perforated (0.02) PVC		
15	Gray-Green Sandy, Gravelly Silty Clay (CL)			Sample 15'
16				
17				
18				
19	Brown Silty Clay (CL) Some Fine Gravel			
20		Number 3 Sand		
21				
22				