

**PROJECT DATA REVIEW**  
**FORMER PENSKE TRUCK LEASING CO.**  
**FACILITY**  
**725 JULIE ANN WAY**  
**OAKLAND, CALIFORNIA**

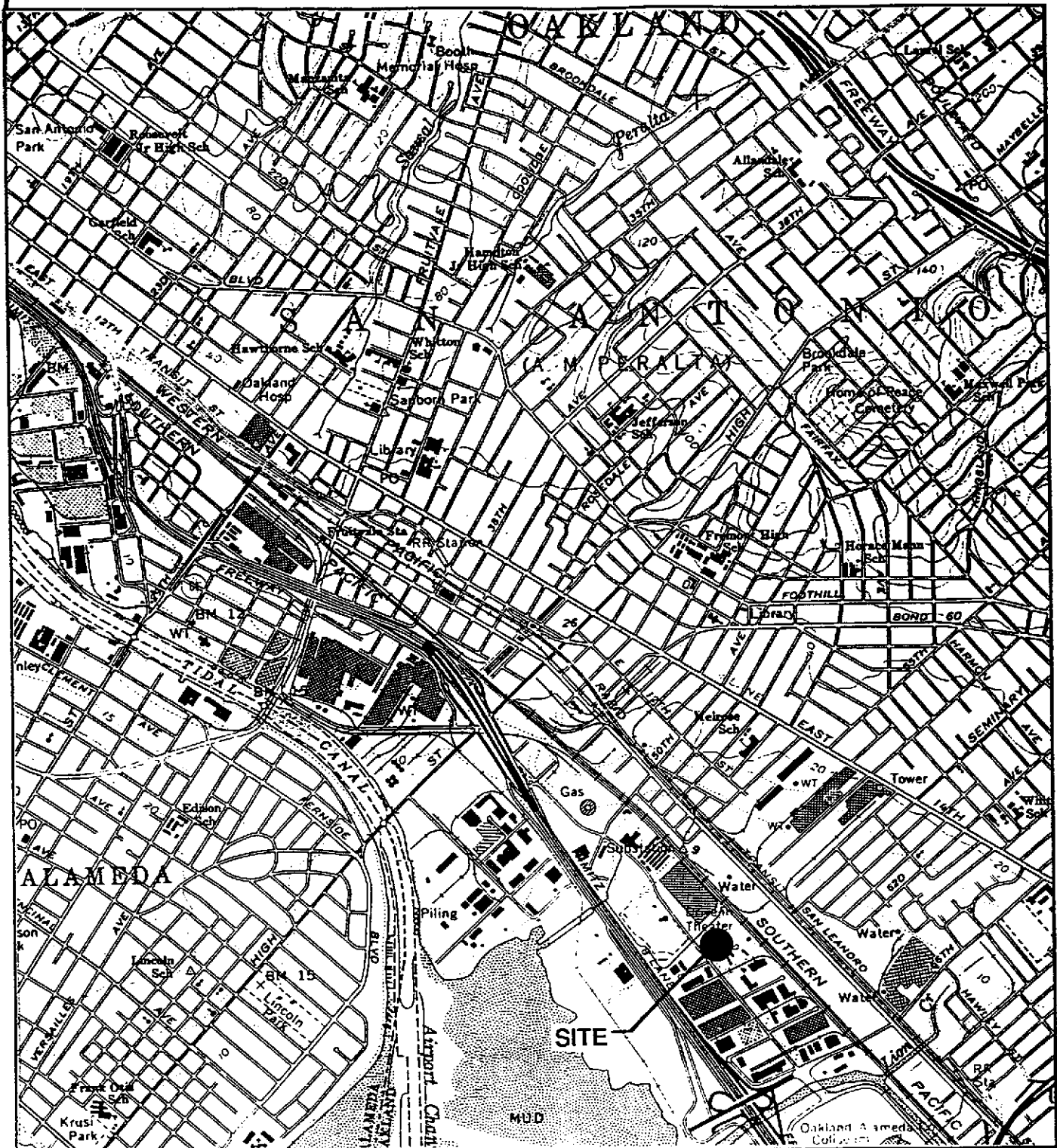
June 8, 1993

Prepared for

Mr. Marc E. Althen  
Director, Environmental Services  
Penske Truck Leasing Co.  
Route 10, Green Hills/P.O. Box 563  
Reading, PA 19603

Prepared by

Geraghty & Miller, Inc.  
1050 Marina Way South  
Richmond, CA 94804  
(501) 233-3200



Reference: USGS Oakland East, Ca. 7 1/2 Min. Quad  
 Scale: 1:24,000

● = Site



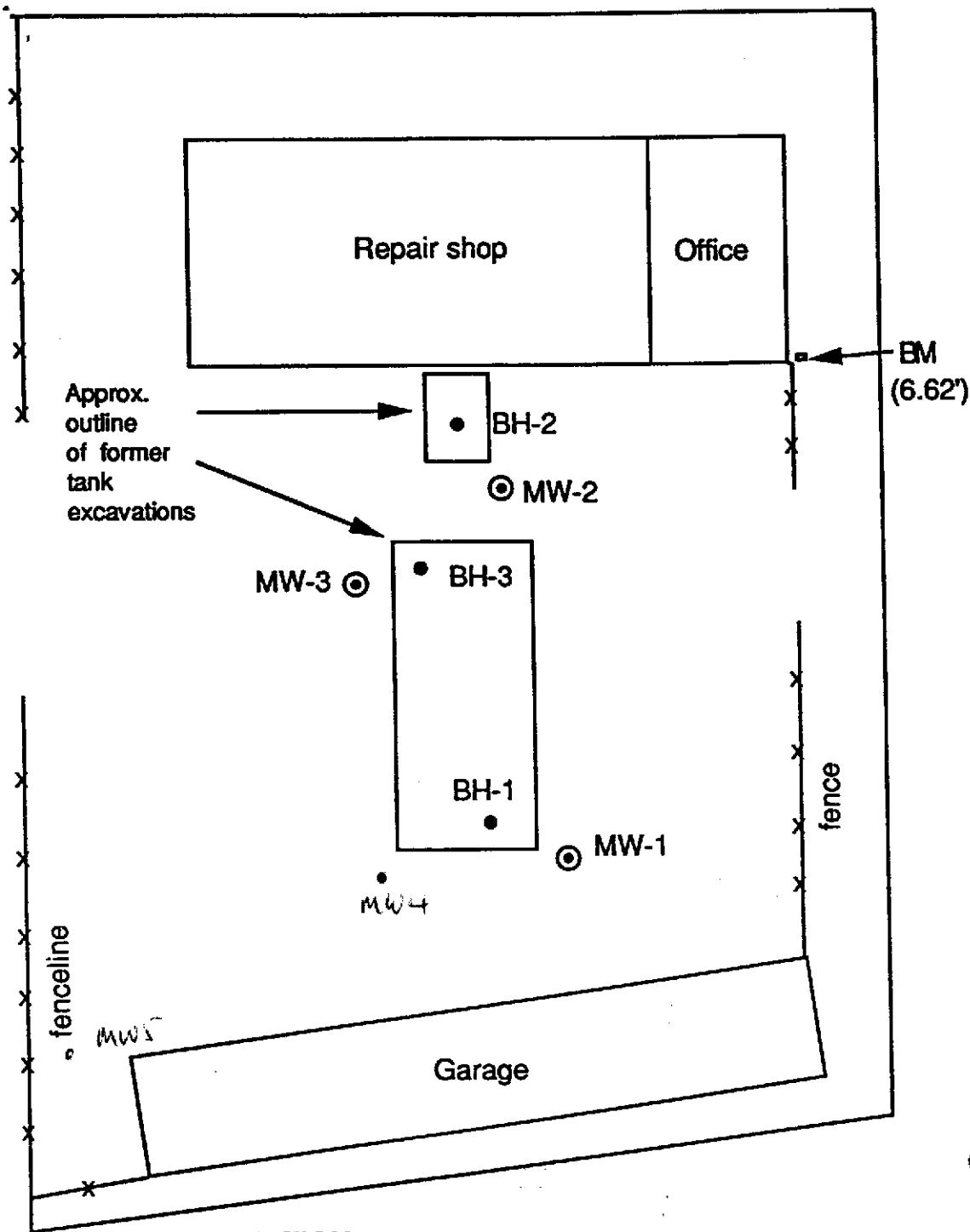
**GERAGHTY & MILLER, INC.**  
*Environmental Services*

**SITE LOCATION MAP**  
 Former Penske Truck Leasing Co.  
 724 Julie Ann Way  
 Oakland, California

FIGURE

1

Proj. No. RC01903 Date: Oct 15, 1990



**EXPLANATION**

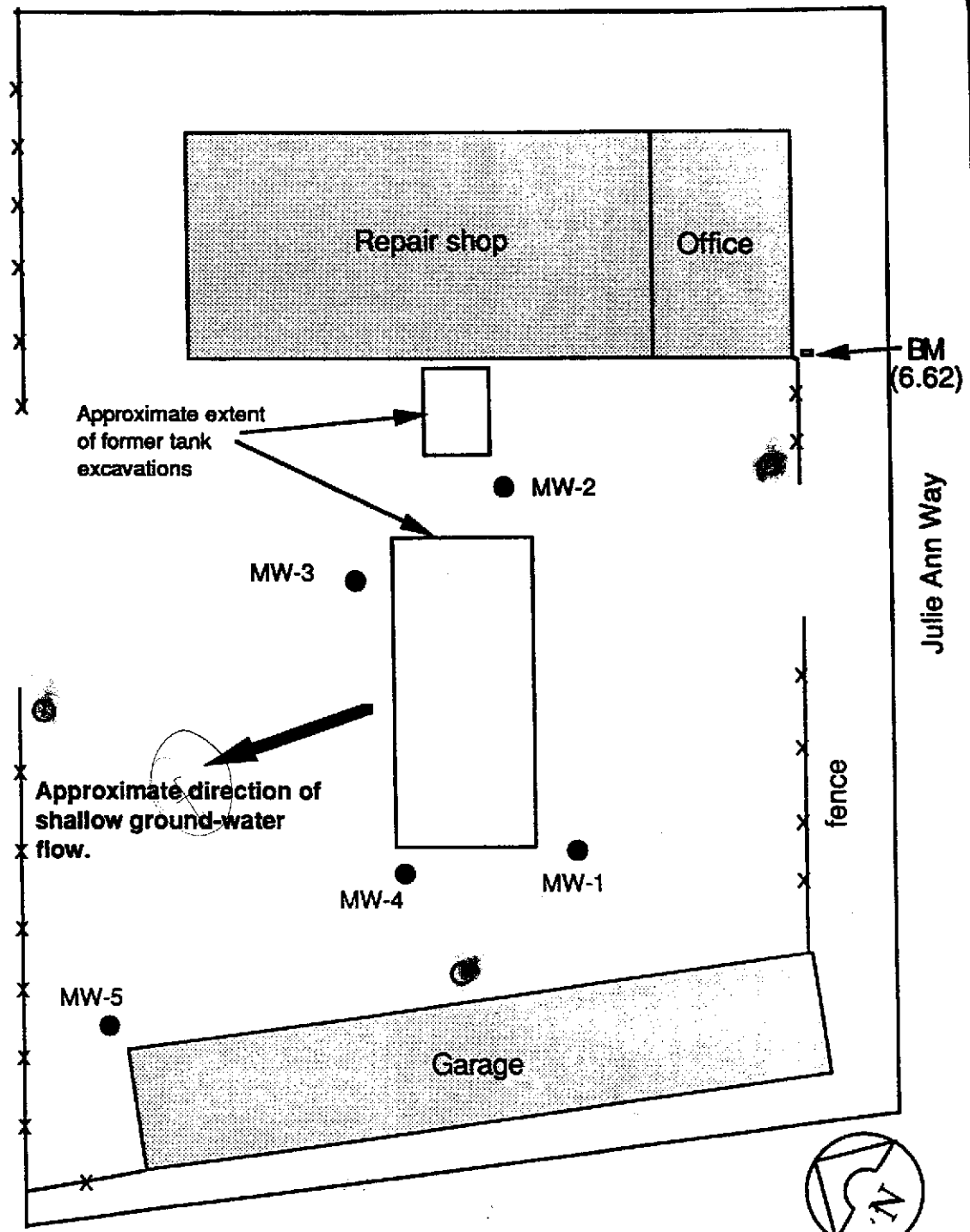
- BH-1 ● = Approximate location of soil borings
- MW-1 ⊙ = Approximate location of ground-water monitor wells
- = BM = Survey Bench Mark (based on City of Oakland datum which is 3 feet higher than Mean Sea Level.)

**SITE PLAN MAP**

Former Penske Truck Leasing Co.  
724 Julie Ann Way  
Oakland, California

FIGURE

**2**



**EXPLANATION**

- MW-1 ● = Approximate location of existing ground-water monitor wells.
- = Approximate location of proposed additional ground-water monitor wells.

BM = Survey Bench Mark (based on City of Oakland datum which is 3 feet lower than Mean Sea Level).



Project No. RC01907

**PROPOSED ADDITIONAL MONITOR WELL LOCATIONS**

Former Penske Truck Leasing Co.  
725 Julie Ann Way  
Oakland, California

FIGURE

**2**

**Table 1: Soil Sample Analytical Results**  
 Former Penske Truck Leasing Co. Facility  
 725 Julie Ann Way, Oakland, California.

Boring	Date	Depth (feet)	TPH		Benzene (B) (mg/kg)	Toluene (B) (mg/kg)	Ethyl- benzene (B) (mg/kg)	Xylenes (B) (mg/kg)	Total Oil & Grease (mg/kg)	VOCs (C)
			Gasoline (A) (mg/kg)	Diesel (A) (mg/kg)						
MW-1	25-Sep-90	5	2	ND(<10)	0.04	0.015	0.01	0.051	NA	NA
		10	820	760	1	0.56	0.46	4.1	NA	NA
		15	2	980	0.53	2.2	0.93	4.5	NA	NA
MW-2	26-Sep-90	5	1	170	0.14	0.02	0.006	0.031	1400	(D)
		10	ND(<1)	32	ND(<.003)	ND(<.003)	ND(<.003)	ND(<.003)	ND (<50)	ND (E)
		15	4	85	ND(<.003)	ND(<.003)	ND(<.003)	ND(<.003)	68	ND (E)
MW-3	27-Sep-90	5	ND(<1)	ND(<10)	0.005	ND (<.003)	ND(<.003)	ND(<.003)	NA	NA
		10	26	190	ND(<.003)	0.018	0.007	0.096	NA	NA
		15	44	150	0.025	0.18	0.087	0.33	NA	NA
		20	ND (<1)	ND(<10)	ND(<.003)	0.017	ND (<.003)	0.005	NA	NA
BH-1	25-Sep-90	10	ND(<1)	ND(<10)	0.01	ND(<.003)	ND(<.003)	0.006	NA	NA
		15	380	460	3.2	15	4.4	28	NA	NA
		20	150	ND(<10)	2.1	8.1	2.1	12	NA	NA
BH-2	27-Sep-90	10	ND(<1)	ND(<10)	ND (<.003)	ND (<.003)	ND (<.003)	ND (<.003)	ND (<50)	ND (E)
		15	ND(<1)	36	ND(<.003)	ND(<.003)	ND(<.003)	ND(<.003)	ND (<50)	ND (E)
BH-3	28-Sep-90	5	ND(<1)	56	0.004	0.13	0.004	0.019	NA	NA
		10	22	54	ND(<.003)	0.015	0.006	0.057	NA	NA
		15	35	200	0.049	0.44	0.33	1.9	NA	NA

**Notes:**

(A) Total Petroleum Hydrocarbons Analyzed by USEPA Method 8015, modified.

(B) Analyzed by USEPA Method 8020.

(C) Analyzed by USEPA Method 8240.

(D) Detected: acetone (0.072 mg/kg); benzene (0.045 mg/kg); toluene (0.03 mg/kg); xylenes (0.015 mg/kg).

(E) For detection limits of individual compounds see certified laboratory reports.

( ) = Detection limit

ND= Not detected

NA = Not analyzed

Analysis by Superior Analytical Laboratories, Inc. Martinez, California.

Project No. RC01903

**Table 1: Soil Sample Analytical Results**  
 Former Penske Truck Leasing Co. Facility  
 725 Julie Ann Way, Oakland, California.

Boring	Date	Depth (feet)	TPH		Benzene (b) (mg/kg)	Toluene (b) (mg/kg)	Ethyl- benzene (b) (mg/kg)	Xylenes (b) (mg/kg)
			Gasoline (a) (mg/kg)	Diesel (a) (mg/kg)				
MW-4	2-Feb-93	5	440	4100	1.6	ND (<0.15)	8.3	1.4
		10	26	320	0.38	0.009	0.7	0.56
		15	6	170	0.022	0.045	0.045	0.15
MW-5	2-Feb-93	5	ND (<1)	21	ND(<.003)	ND(<.003)	ND(<.003)	ND(<.003)
		10	ND (<1)	ND (<1)	ND(<.003)	ND(<.003)	ND(<.003)	ND(<.003)
		15	ND(<1)	130	ND(<.003)	ND(<.003)	ND(<.003)	ND(<.003)

Composite Soil Sample:

SP-1 A-D	ND(<1)	37	ND(<.003)	ND(<.003)	ND(<.003)	0.014
Total Organic Lead:	ND (<2 mg/kg)			(by DHS Method - Luft Manual)		
pH:	8.9			(by USEPA Method 9041)		
Flashpoint:	>100 degrees C			(by USEPA Method SW-846 Method 1010)		
Reactive Cyanide:	ND (<1 mg/kg)			(by USEPA Method 9010)		
Reactive Sulfide:	ND (<10 mg/kg)			(by USEPA Method SW 7.3.4.2)		

- (a) Analyzed by USEPA Method 8015, modified.  
 (b) Analyzed by USEPA Method 8020.

mg/kg Milligrams per kilogram  
 ( ) Detection limit  
 ND Not detected

Analysis by Superior Precision Analytical, Inc., San Francisco, California.

**Table 2: Summary of Field Sampling, Depth-to-Water, and Casing Elevation Data**  
 Former Penske Truck Leasing Facility,  
 725 Julie Ann Way, Oakland, California.

Well	Date	Depth to Top of Casing		Top of Water Elevation (feet)	Measured Depth of Well (a) (feet)	Calculated Purge Volume (b) (gallons)	Actual Purge Volume (gallons)	Field Measurements			Casing Diameter (inches)
		Water (a) (feet)	Elevation (feet)					pH	Temp. (°F)	SC (µS/cm)	
MW-1	2-Oct-90	9.76	5.42	-4.34	37.28	58.56	47	6.71	87.5	5,280	4
	28-Feb-91	8.54	5.42	-3.12	33.58	65.00	70	6.30	66.0	9,700	
	25-Mar-91	7.35	5.42	-1.93	33.50	71.00	75	6.50	64.0	7,200	
	1-May-91	7.91	5.42	-2.49	33.70	67.00	51	6.20	65.0	3,500	
	5-Aug-91	8.63	5.42	-3.21	NM	51.00	68	NM	63.6	7,690	
	23-Oct-91	9.00	5.42	-3.58	33.77	67.00	67	9.40	64.2	7,470	
	6-Jan-92	8.52	5.42	-3.10	33.87	65.00	69	9.40	63.2	6,640	
	20-Jul-92	7.94	5.42	-2.52	33.95	65.02	66	7.20	65.7	6,410	
	23-Oct-92	8.62	5.42	-3.20	33.57	64.80	60	7.50	69.8	1,930	
	4-Feb-93	6.55	5.43 (c)	-1.12	33.84	70.96	71	8.02	65.0	9,520	
8-Apr-93	6.37	5.43	-0.94	33.80	71.32	65	6.60	66.7	>2,000		
MW-2	2-Oct-90	10.38	6.21	-4.17	32.97	48.07	47	6.92	86.4	5,460	4
	28-Feb-91	9.19	6.21	-2.98	29.39	53.00	55	6.60	64.0	9,000	
	25-Mar-91	7.95	6.21	-1.74	29.39	57.00	70	6.60	63.0	6,400	
	1-May-91	8.58	6.21	-2.37	29.60	55.00	50	6.20	64.0	3,000	
	5-Aug-91	9.33	6.21	-3.12	NM	40.00	54	NM	65.1	5,680	
	23-Oct-91	9.57	6.21	-3.36	29.35	52.00	53	7.60	65.4	7,970	
	6-Jan-92	9.08	6.21	-2.87	29.50	53.00	53	9.18	62.8	6,990	
	20-Jul-92	8.60	6.21	-2.39	29.45	54.21	55	6.50	65.2	6,690	
	23-Oct-92	9.33	6.21	-3.12	29.18	51.60	55	7.20	69.8	1,900	
	4-Feb-93	7.17	6.20 (c)	-0.97	29.37	57.72	55	8.25	64.0	10,310	
8-Apr-93	6.95	6.20	-0.75	29.32	58.16	60	6.90	66.7	>2,000		

**Table 2: Summary of Field Sampling, Depth-to-Water, and Casing Elevation Data**  
Former Penske Truck Leasing Facility,  
725 Julie Ann Way, Oakland, California.

Well	Date	Depth to Water (a) (feet)	Top of Casing Elevation (feet)	Top of Water Elevation (feet)	Measured Depth of Well (a) (feet)	Calculated Purge Volume (b) (gallons)	Actual Purge Volume (gallons)	Field Measurements			Casing Diameter (inches)
								pH	Temp. (°F)	SC (µS/cm)	
MW-3	2-Oct-90	10.38	6.10	-4.28	37.08	56.82	54	6.89	88.4	639	4
	28-Feb-91	9.45	6.10	-3.35	31.61	58.00	60	6.10	66.0	1,020	
	25-Mar-91	7.98	6.10	-1.88	31.60	70.00	75	6.40	65.0	8,200	
	1-May-91	8.58	6.10	-2.48	33.70	65.00	50	6.40	67.0	4,100	
	5-Aug-91	9.26	6.10	-3.16	NM	50.00	67	NM	64.1	6,190	
	23-Oct-91	9.60	6.10	-3.50	33.48	66.00	66	7.30	67.3	8,430	
	6-Jan-92	9.08	6.10	-2.98	33.66	64.00	64	9.98	61.7	7,010	
	20-Jul-92	8.59	6.10	-2.49	33.76	65.44	66	6.80	66.0	7,540	
	23-Oct-92	9.30	6.10	-3.20	33.47	63.40	65	7.50	71.6	1,800	
	4-Feb-93	7.19	6.10 (c)	-1.09	33.65	68.79	65	8.29	64.0	10,290	
8-Apr-93	6.98	6.10	-0.88	33.55	69.08	72	6.90	68.2	>2,000		
MW-4	4-Feb-93	6.68	5.18 (c)	-1.50	32.70	64.38	60 (d)	NM	63.5	14,100	4
	8-Apr-93	6.21	5.18	-1.03	33.04	69.76	70	6.80	69.1	>2,000	
MW-5	4-Feb-93	8.94	4.71 (c)	-4.23	31.40	61.65	40 (d)	8.43	63.2	16,870	4
	8-Apr-93	5.43	4.71	-0.72	31.36	67.42	68	7.20	68.0	>2,000	

- (a) Measured from top of PVC casing.  
 (b) Based on four casing volumes.  
 (c) All well elevations resurveyed to site benchmark on February 10, 1993.  
 (d) Well went dry during purging.

SC Specific Conductance  
 (µS/cm) Microsiemens per centimeter  
 NM Not measured

All elevations are measured relative to a site benchmark (elevation 6.62') based on the City of Oakland datum which is 3 feet higher than mean sea level.



**Table 3: Summary of Ground-Water Analytical Results - Monthly and Quarterly Sampling**  
**Former Penske Truck Leasing Facility,**  
**725 Julie Ann Way, Oakland, California.**

Well	Date	TPH		Benzene (b)	Toluene (b)	Ethyl- benzene (b)	Xylenes (b)
		Gasoline (a)	Diesel (a)				
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	2-Oct-90	170	2,900	20	18	1.9	5.7
	28-Feb-91	260	550	43	1	7	1
	25-Mar-91	73	160	10	ND(<0.3)	0.5	ND(<0.3)
	1-May-91	ND(<50)	(c)	2.2	ND(<0.3)	ND(<0.3)	ND(<0.3)
	5-Aug-91	310	330	22	5.5	9.5	23
	23-Oct-91	440	1,800	23	21	6.2	35
	6-Jan-92	430	1,600	56	8.4	18	22
	20-Jul-92	ND(<50)	25,000	0.4	0.8	1	2.1
	23-Oct-92	280	6,500	9.3	13	8.2	15
	4-Feb-93	68 (e)	320	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
8-Apr-93	180	7,800	0.5	2.1	0.8	13.0	
MW-2	2-Oct-90	ND(<50)	80	0.4	ND(<0.3)	ND(<0.3)	0.5
	28-Feb-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	25-Mar-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	1-May-91	ND(<50)	(c)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	5-Aug-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	23-Oct-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	6-Jan-92	11,000	1200 (d)	ND(<0.3)	83	82	940
	20-Jul-92	73	120	1.7	3.3	1.1	9.6
	23-Oct-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	0.5
	4-Feb-93	ND(<50)	330 (d)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
8-Apr-93	150	74 (g)	1.0	2.1	1.0	13.0	
MW-3	2-Oct-90	ND(<50)	90	28	3.1	0.6	1.5
	28-Feb-91	ND(<50)	ND(<50)	6	ND(<0.3)	ND(<0.3)	ND(<0.3)
	25-Mar-91	ND(<50)	ND(<50)	0.6	ND(<0.3)	ND(<0.3)	ND(<0.3)
	1-May-91	ND(<50)	(c)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	5-Aug-91	ND(<50)	ND(<50)	1.7	ND(<0.3)	ND(<0.3)	ND(<0.3)
	23-Oct-91	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	6-Jan-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	20-Jul-92	66	ND(<50)	1.1	2.2	0.7	6.4
	23-Oct-92	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	4-Feb-93	270	ND(<100)(f)	9.8	4.6	4.5	8.7
8-Apr-93	ND(<50)	ND(<50)	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)	
MW-4	4-Feb-93	58 (e)	450	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	8-Apr-93	74	220	19.0	0.4	ND(<0.3)	ND(<0.9)
MW-5	4-Feb-93	ND(<50)	240	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.3)
	8-Apr-93	ND(<50)	480	ND(<0.3)	ND(<0.3)	ND(<0.3)	ND(<0.9)

- (a) Analyzed by USEPA Method 8015, modified.
- (b) Analyzed by USEPA Method 8020.
- (c) No results - sample for TPH as diesel not collected.
- (d) Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.
- (e) Does not match typical gasoline pattern. Pattern of peaks observed in the chromatograms are indicative of hydrocarbons heavier than gasoline.
- (f) Detection limit increased due to insufficient sample amount.
- (g) Diesel range concentration reported. The chromatogram shows only a single peak in the diesel range.
- ( ) Reported detection limit
- ND Not detected
- µg/L Micrograms/liter

Analysis by Superior Analytical Laboratories, Inc., San Francisco and Martinez, California.

**Table 4: Summary of Ground-Water Analytical Results**  
 Former Penske Truck Leasing Facility,  
 725 Julie Ann Way, Oakland, California.

Well	Date	TPH	TPH	Benzene (B) (µg/l)	Toluene (B) (µg/l)	Ethyl- benzene (B) (µg/l)	Xylenes (B) (µg/l)
		Gasoline (A) (µg/l)	Diesel (A) (µg/l)				
MW-1	2-Oct-90	170	2,900	20.0	18.0	1.9	5.7
MW-2	2-Oct-90	ND(<50)	80	0.4	ND(<0.3)	ND(<0.3)	0.5
MW-3	2-Oct-90	ND(<50)	90	28	3.1	0.6	1.5

Water Quality Analysis

Well	Date	Hardness mg/l	Chloride mg/l	TDS mg/l
MW-2	12-Oct-90	300	1,200	3,000

**Notes:**

(A) Total Petroleum Hydrocarbons analyzed by USEPA Method 8015, modified.

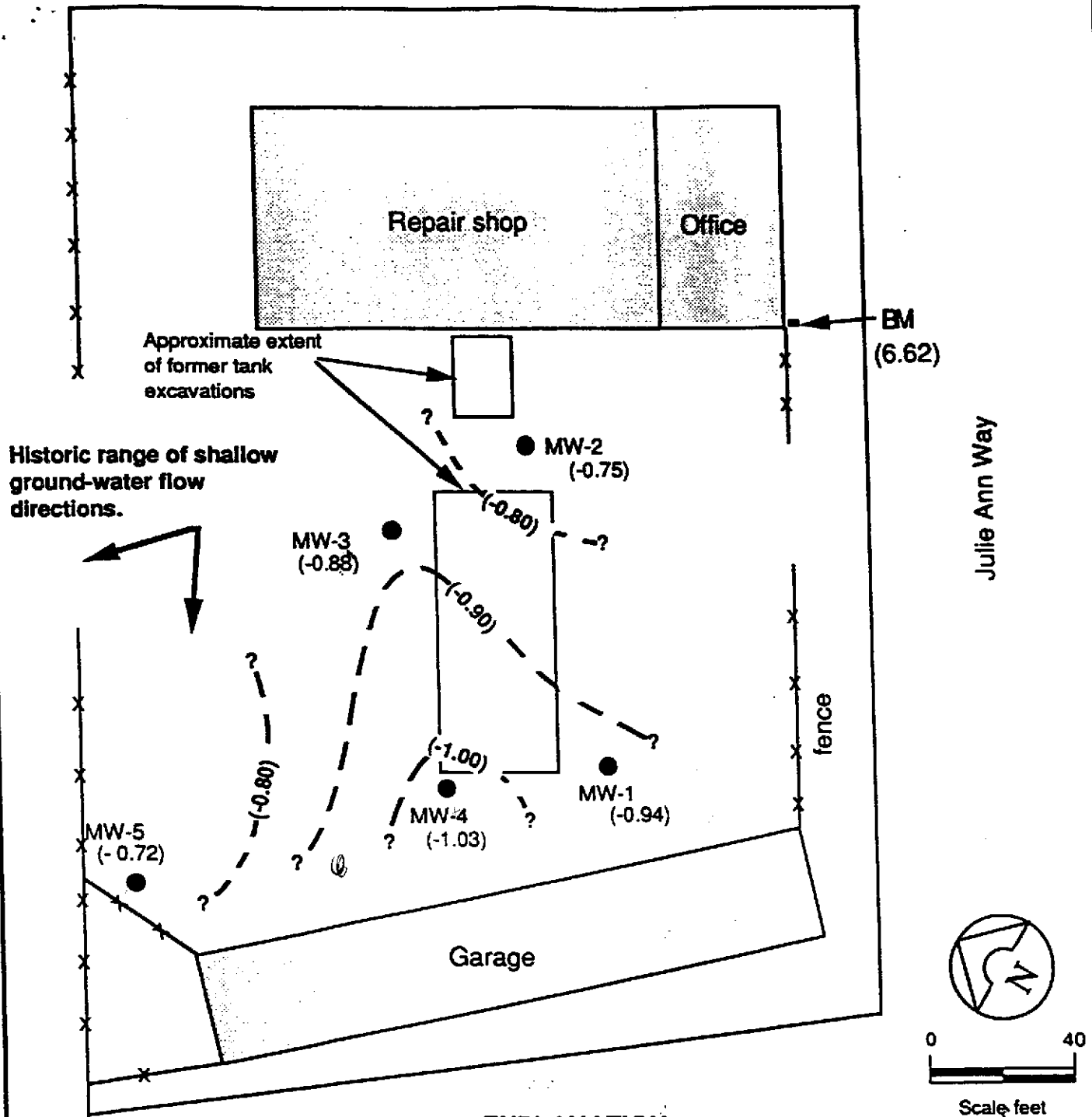
(B) Analyzed by USEPA Method 8020.

( ) - Reported detection limit

ND- Not Detected

NA - Not Analyzed.

Analysis by Superior Analytical Laboratories, Inc. Martinez, California.



**EXPLANATION**

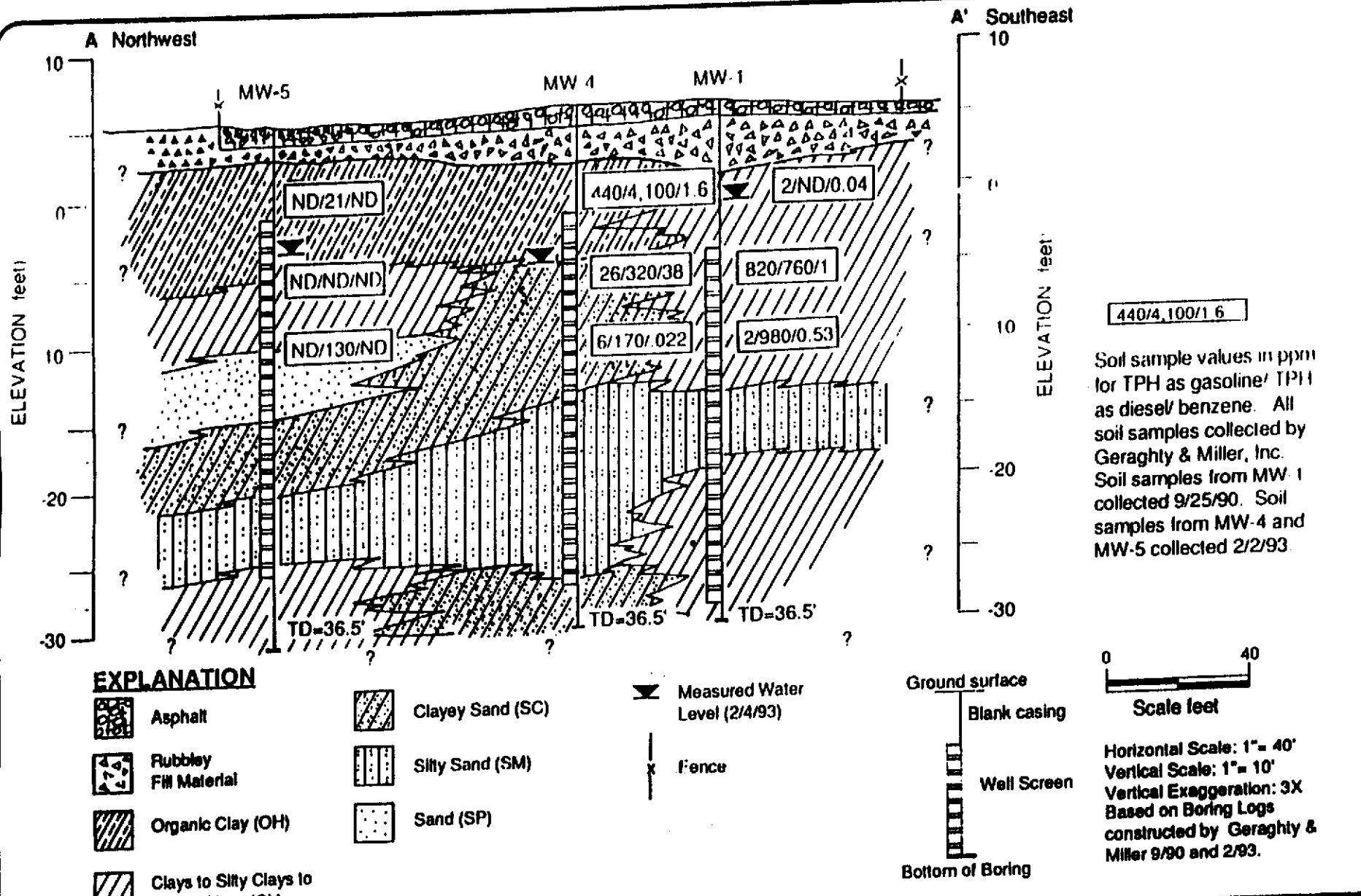
- MW-1 (●) = Approximate location of ground-water monitor wells.
- BM = Survey Benchmark (based on City of Oakland datum, which is 3 feet lower than Mean Sea Level).
- (-1.03) = Ground-Water elevation (feet) relative to benchmark, measured April 8, 1993.
- ? - (-0.90) -> = Ground-water elevation contour (feet); dashed where inferred (contour interval equals 0.1 feet).



Proj. No. RC01905

**SHALLOW GROUND-WATER CONTOURS**  
Former Penske Truck Leasing Co. Facility  
725 Julie Ann Way  
Oakland, California

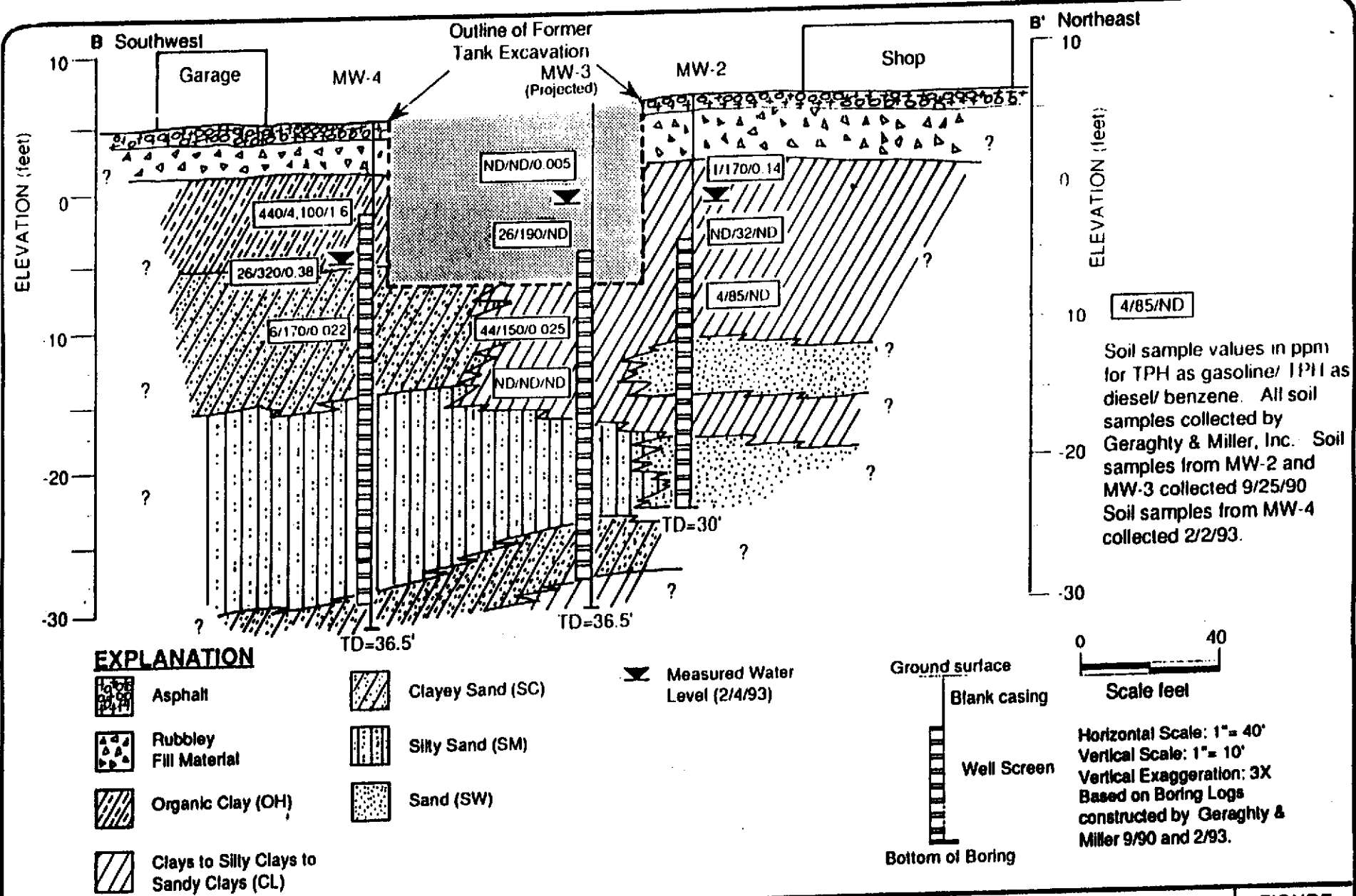
**FIGURE**  
**2**



**GERAGHTY & MILLER, INC.**  
*Environmental Services*  
 Project No. RC01906

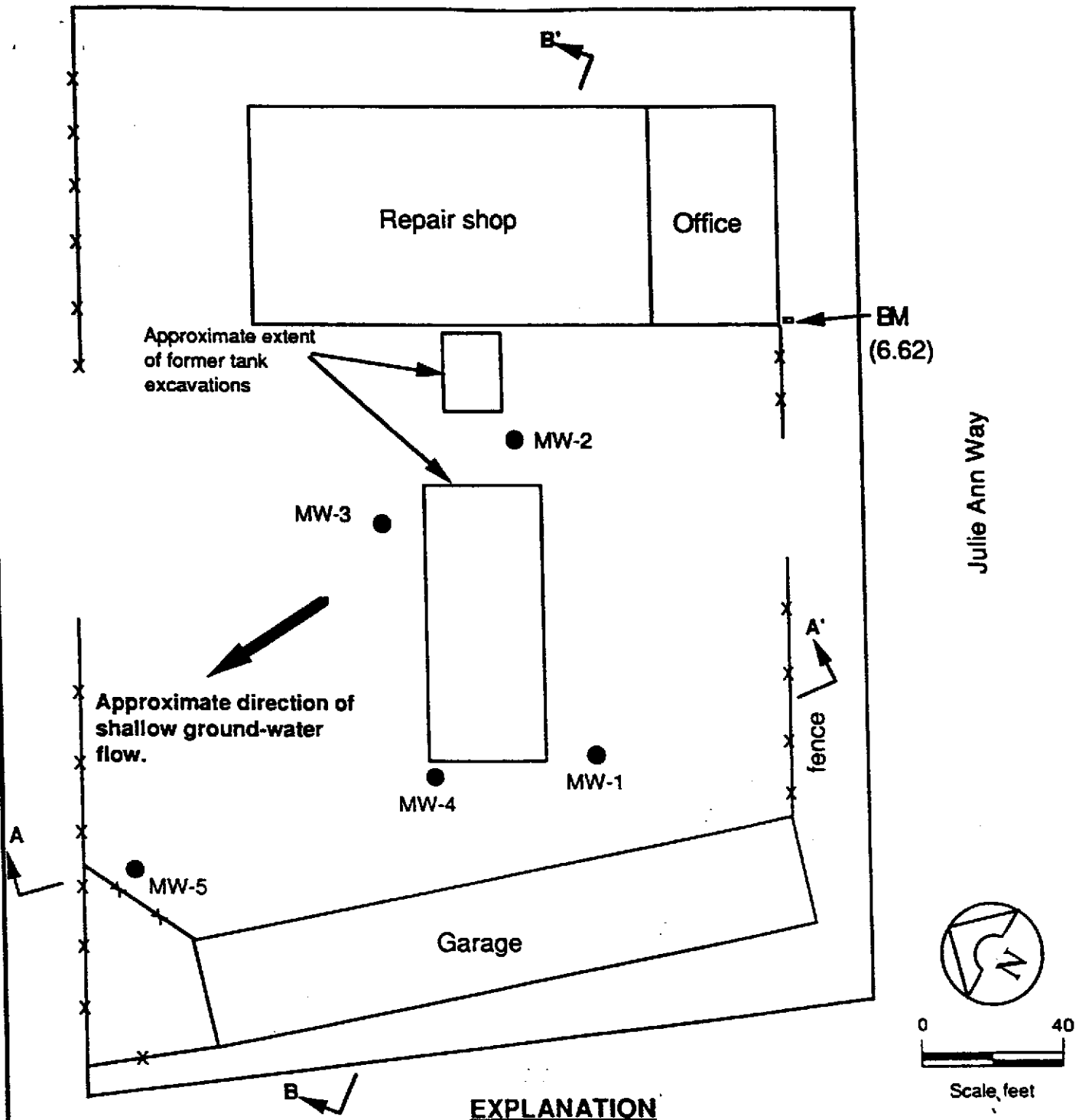
**CROSS SECTION A - A'**  
**FORMER PENSKE TRUCK LEASING CO. FACILITY**  
 725 Julie Ann Way  
 Oakland, California

**FIGURE**  
**3**



**CROSS SECTION B - B'**  
**FORMER PENSKE TRUCK LEASING CO. FACILITY**  
 725 Julie Ann Way  
 Oakland, California

**FIGURE**  
**4**



**EXPLANATION**

MW-1 ● = Approximate location of ground-water monitor wells.

BM = Survey Bench Mark (based on City of Oakland datum which is 3 feet higher than Mean Sea Level).

A-A' B-B' = Line of cross section.

**GERAGHTY & MILLER, INC.**  
*Environmental Services*  
 Project No. RC01906

**SITE PLAN**  
 Former Penske Truck Leasing Co. Facility  
 725 Julie Ann Way  
 Oakland, California

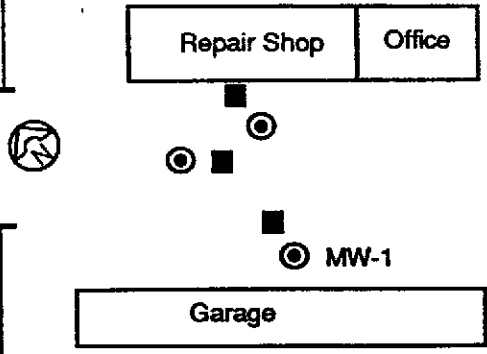
**FIGURE**  
**2**

# LOG OF BORING MW-1

**Former Penske Truck Leasing Facility**  
**725 Julie Ann Way**  
**Oakland, California**

Project No.: RC01903  
 Logged By: Paul V. Hehn  
 Drilling Co.: West HazMat  
 Driller: Mark Thorp

Date Drilled: September 25, 1990  
 Drilling Method: 10" Hollow Stem Auger.  
 Sampling Method: 2" Split spoon  
 Inclination: Vertical

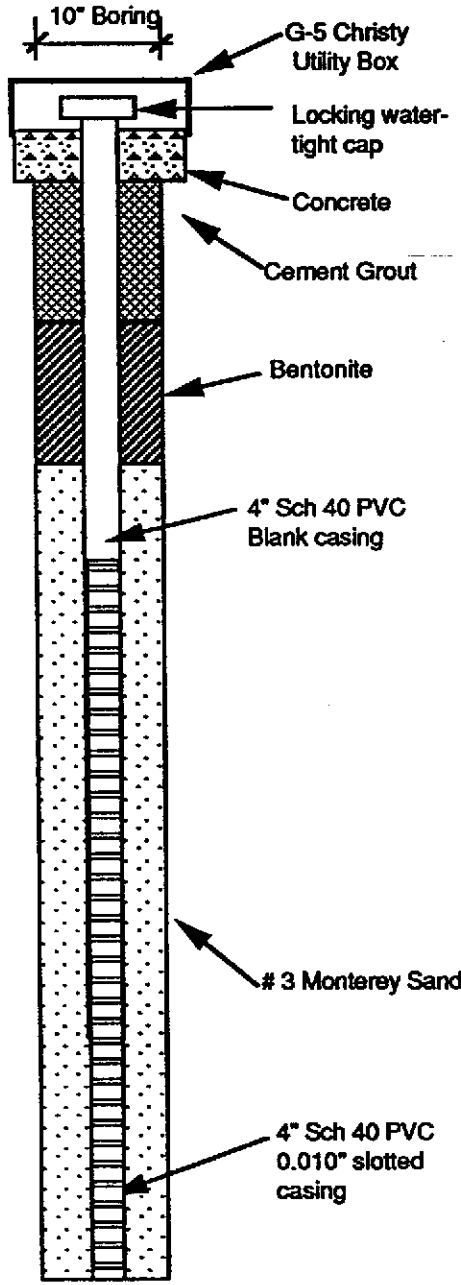


Julie Ann Way

## WELL CONSTRUCTION

Depth (ft.)  
 Blows/ft.  
 EXP  
 Samples  
 Graphic

## DESCRIPTION



Surface Elevation: 5.42'  
 Casing Elevation: 4.98'  
 Asphalt

CLAY (CL), red brick, sand, gravel and clay fill. Light yellowish brown silty, sandy clay w/<10% fine gravel; mixed with layers of dark brwn silty, sandy clay; Gravel to cobbles increase to 20 to 30% at bottom.

@5 feet, Sandy to silty, dark brown, w/10% fine gravel; Very stiff; Slight odor.

@5-10 Feet: Interbedded sand and gravel; Dark gray to black; moderate odor.

@10 feet, Silty to very slighty sandy clay w/ 10% fine gravel; Medium grey to medium olive green; Minor interbedded sandy lenses; Very stiff; Moderate odor.

@ 10-15 feet: Sandy lenses; dark grey to black.

@15 feet,, same as above; interbedded layers of sandy silt to silty sand (light brwn) & dark grey to black clay to silty, sandy clay; Slightly moist; Hard; Slight odor.

@15-20 feet: Interbedded silty, sandy clay (dark grey) and light to medium reddish brwn fine grained to very fine grained silty sand.

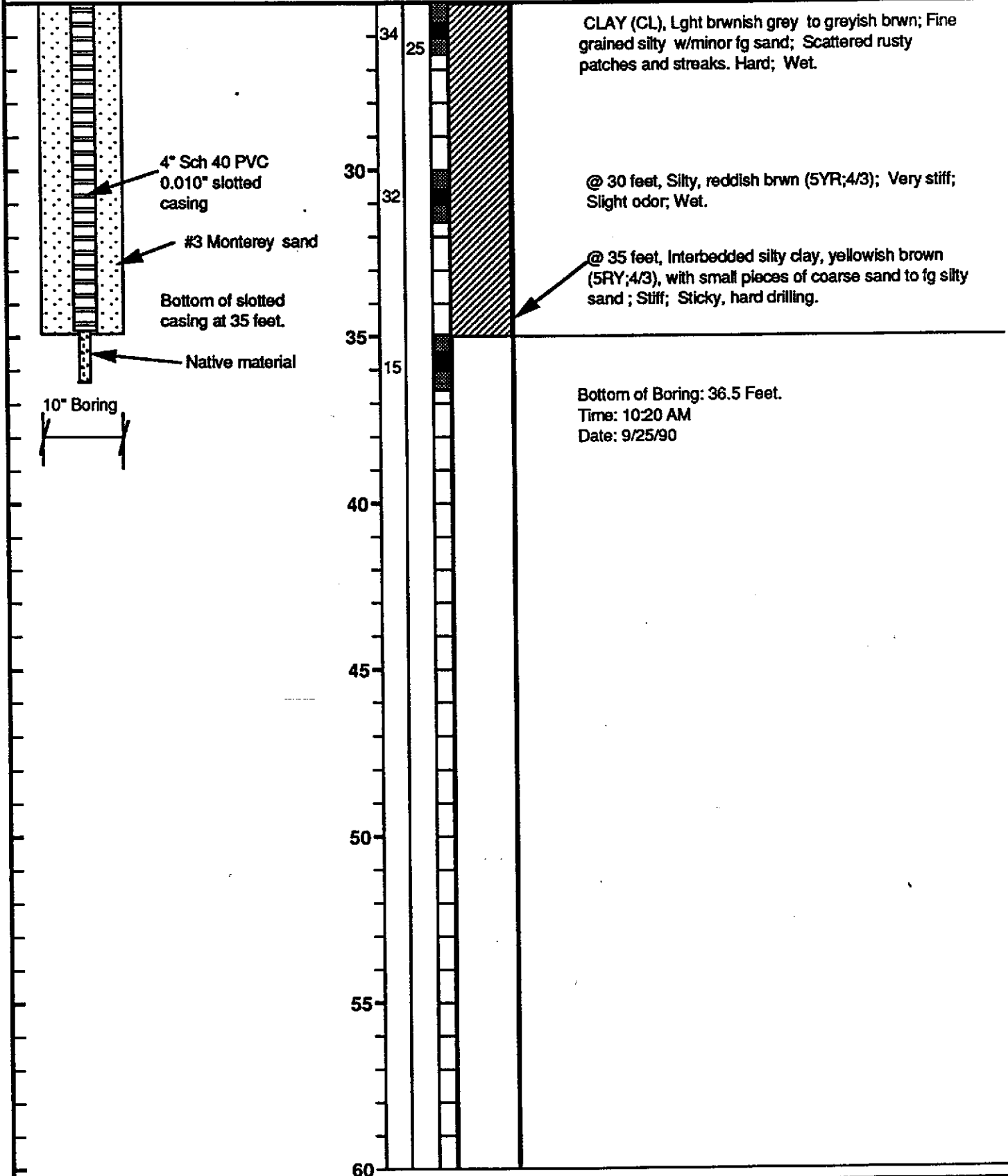
SILTY SAND (SM), light brwn to reddish brwn, interbedded with light to medium brwn fine to coarse sand with subangular fine gravel; Reddish brwn stain; Dense; Slight odor.

**LOG OF BORING MW-1  
(continued)**

**WELL CONSTRUCTION**

Depth (ft.)  
Blows/ft.  
EXP  
Samples  
Graphic

**DESCRIPTION**





# LOG OF BORING MW-2

**Former Penske Truck Leasing Facility**  
**725 Julie Ann Way**  
**Oakland, California**

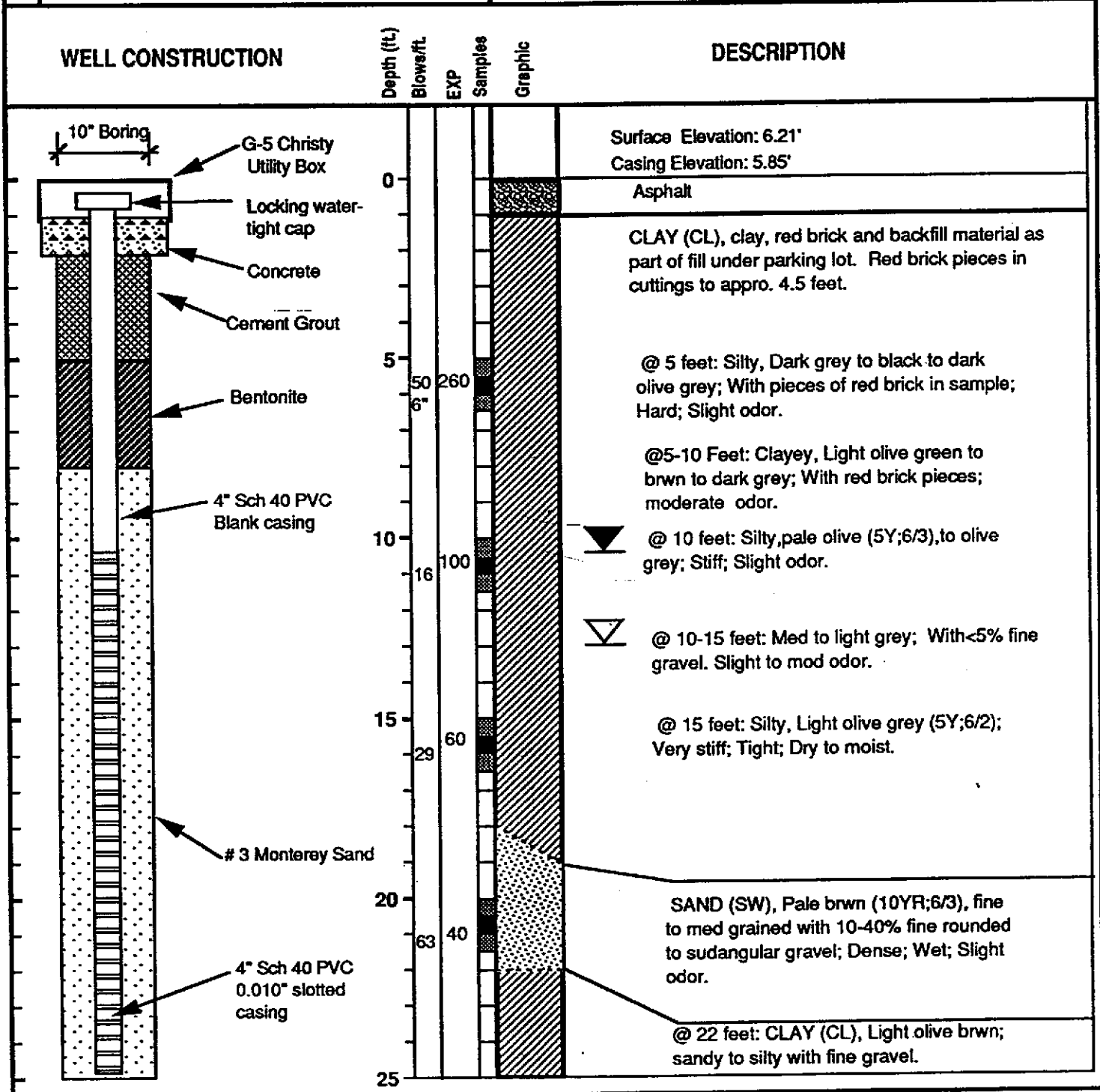


Julie Ann Way



Project No.: RC01903  
 Logged By: Paul V. Hehn  
 Drilling Co.: West HazMat  
 Driller: Mark Thorp

Date Drilled: September 26, 1990  
 Drilling Method: 10" Hollow Stem Auger.  
 Sampling Method: 2" Split spoon  
 Inclination: Vertical

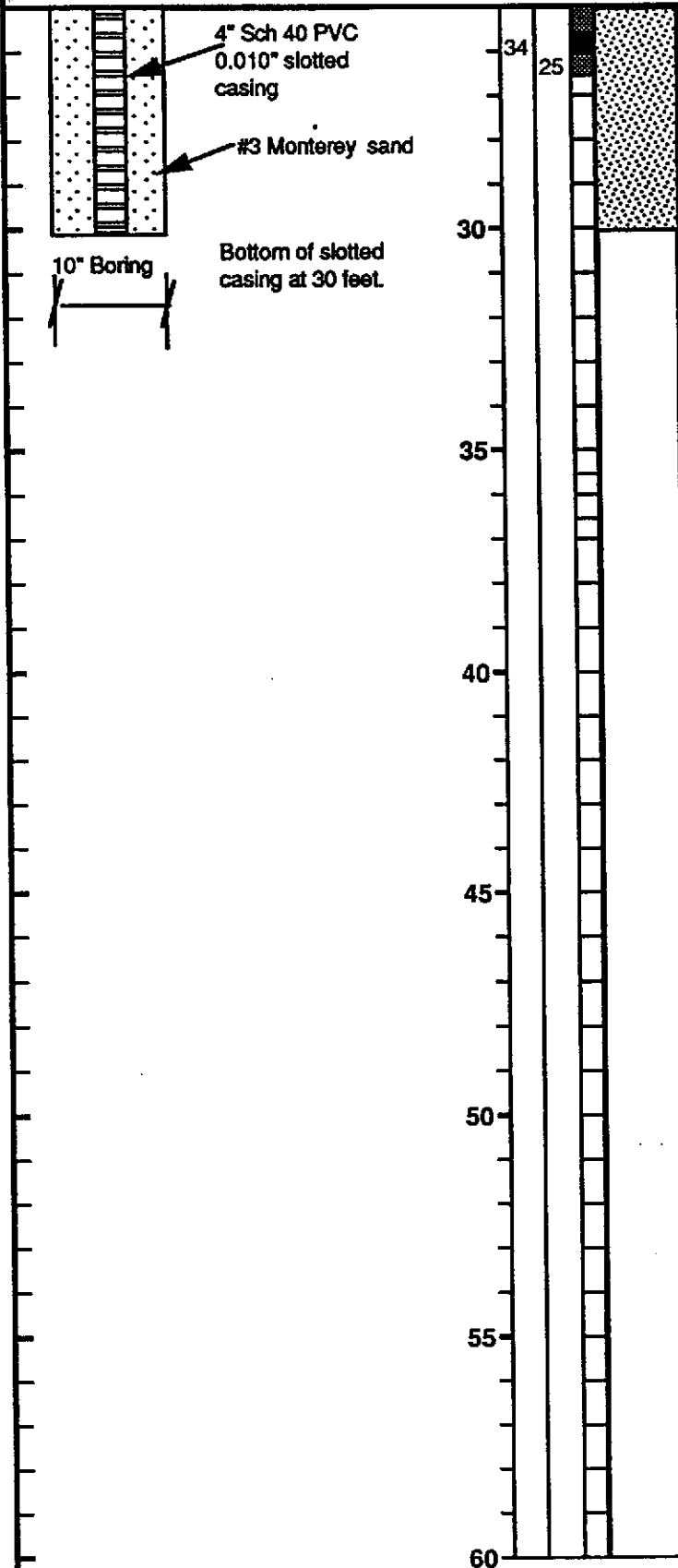


**LOG OF BORING MW-2  
(continued)**

**WELL CONSTRUCTION**

Depth (ft.)  
Blows/ft.  
EXP  
Samples  
Graphic

**DESCRIPTION**



SAND (SW), Yellowish brwn (10YR;5/4); Med to coarse grained ; With 10% clay and 20% subangular to rounded 1/4" gravel; Dense; Wet; Very slight odor.

No sample collected. Sticking, heaving mud and flowing sands prevent sample collection or further drilling advance. Trouble pulling out sample tube and inner drill rods. Boring stopped at 30-feet.

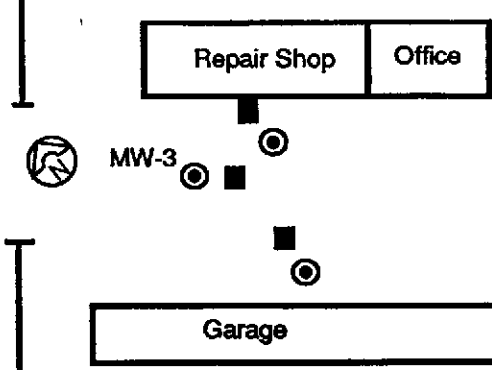
Bottom of Boring: 30 Feet.  
Time: 11:20 AM  
Date: 9/26/90

# LOG OF BORING MW-3

Former Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California

Project No.: RC01903  
Logged By: Paul V. Hehn  
Drilling Co.: West HazMat  
Driller: Mark Thorp

Date Drilled: September 27, 1990  
Drilling Method: 10" Hollow Stem Auger.  
Sampling Method: 2" Split spoon  
Inclination: Vertical

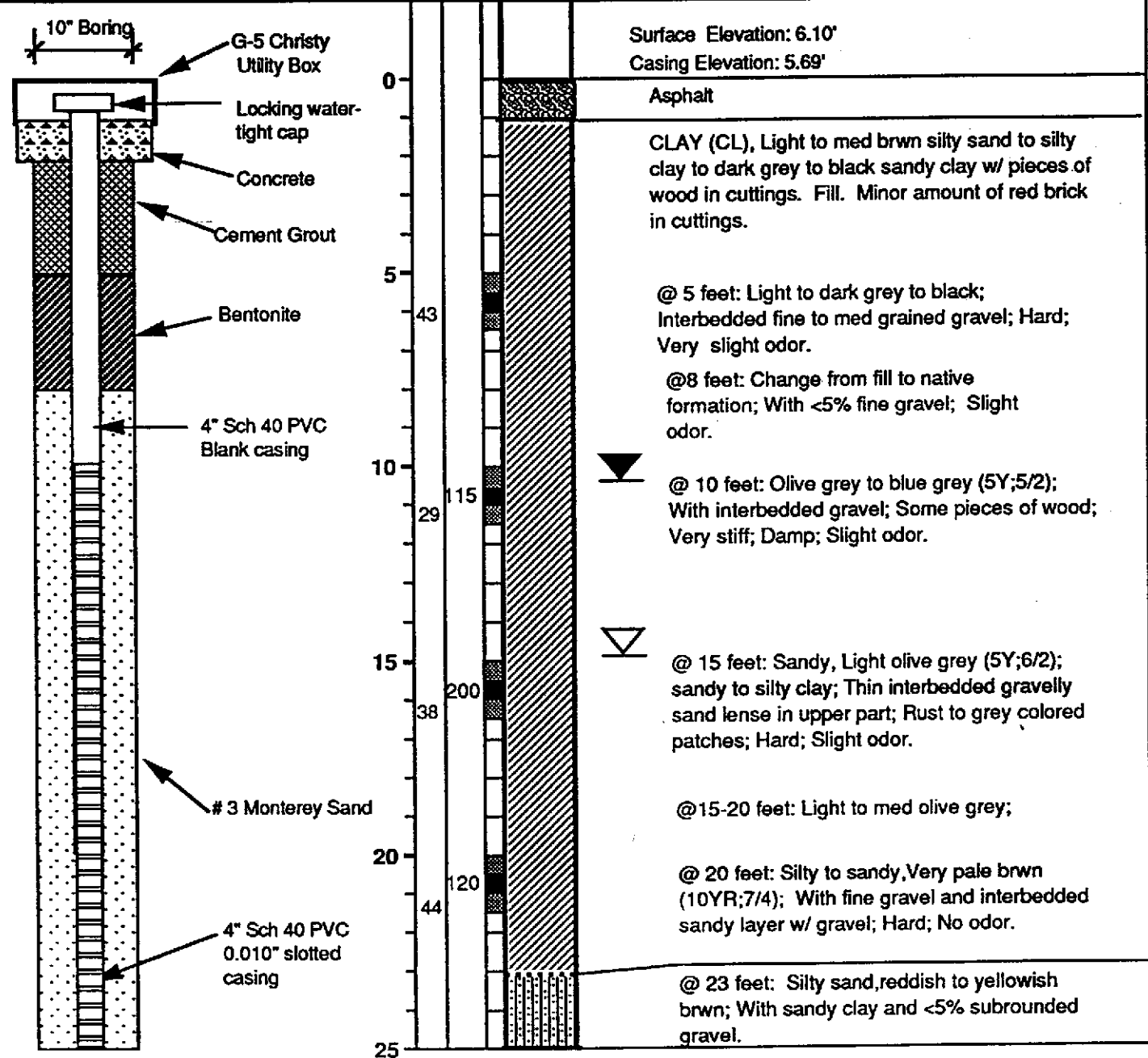


Julie Ann Way

## WELL CONSTRUCTION

Depth (ft.)  
Blows/ft.  
EXP  
Samples  
Graphic

## DESCRIPTION

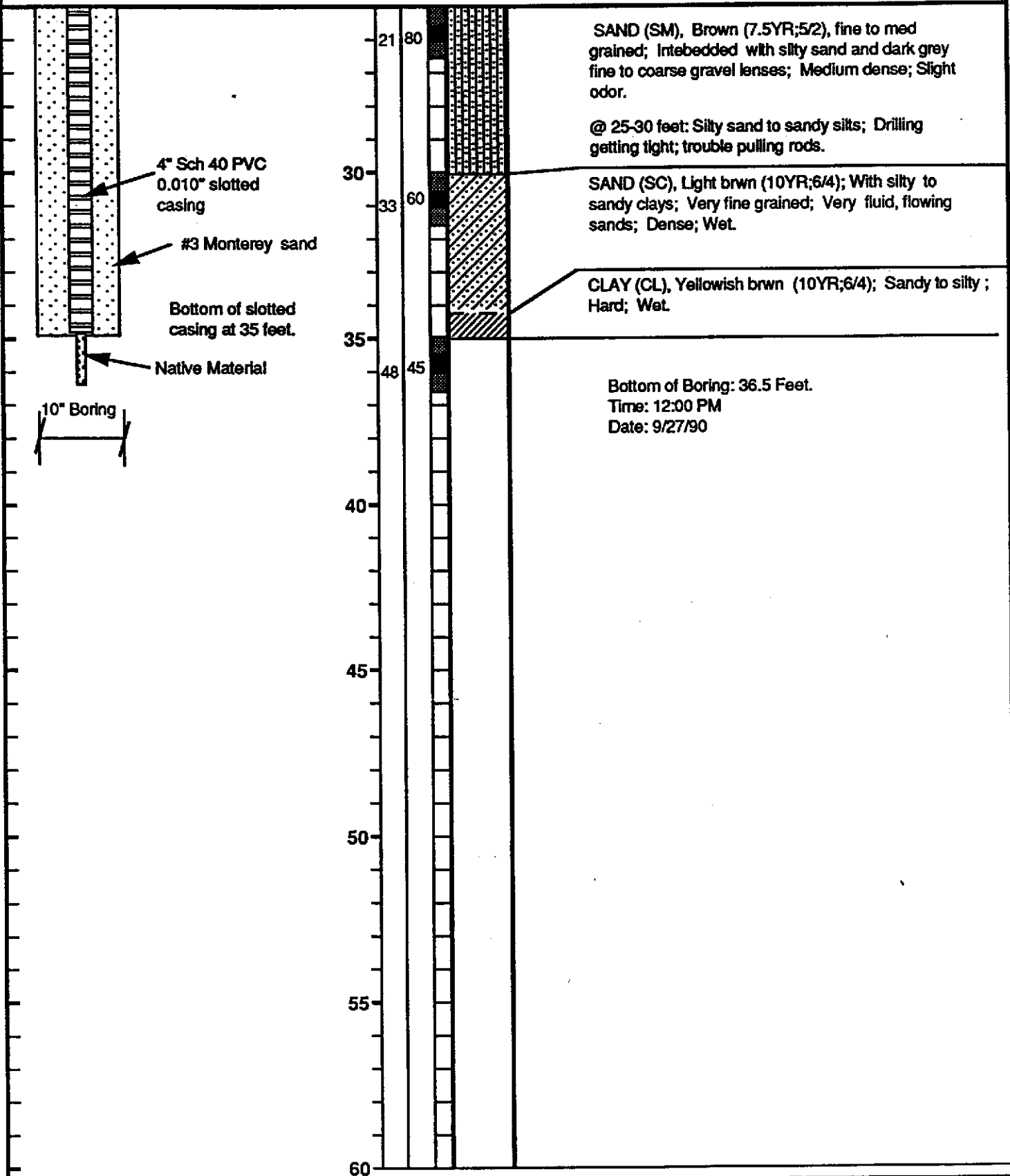


**LOG OF BORING MW-3  
(continued)**

**WELL CONSTRUCTION**

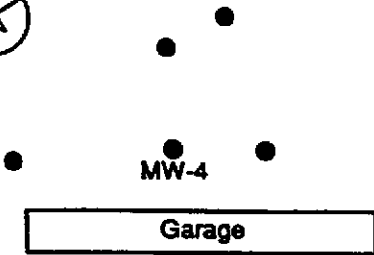
Depth (ft.)  
Blows/ft.  
EXP  
Samples  
Graphic

**DESCRIPTION**





Repair Shop    Office



Julie Ann Way

# LOG OF BORING MW-4

Former Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California

Project No.: RC01906    Date Drilled: February 2, 1993  
 Logged By: M. M. Bessette    Drilling Method: 10" Hollow stem auger  
 Drilling Co.: West Hazmat    Sampling Method: 2" Split spoon  
 Driller: Bill Smith    Inclination: Vertical

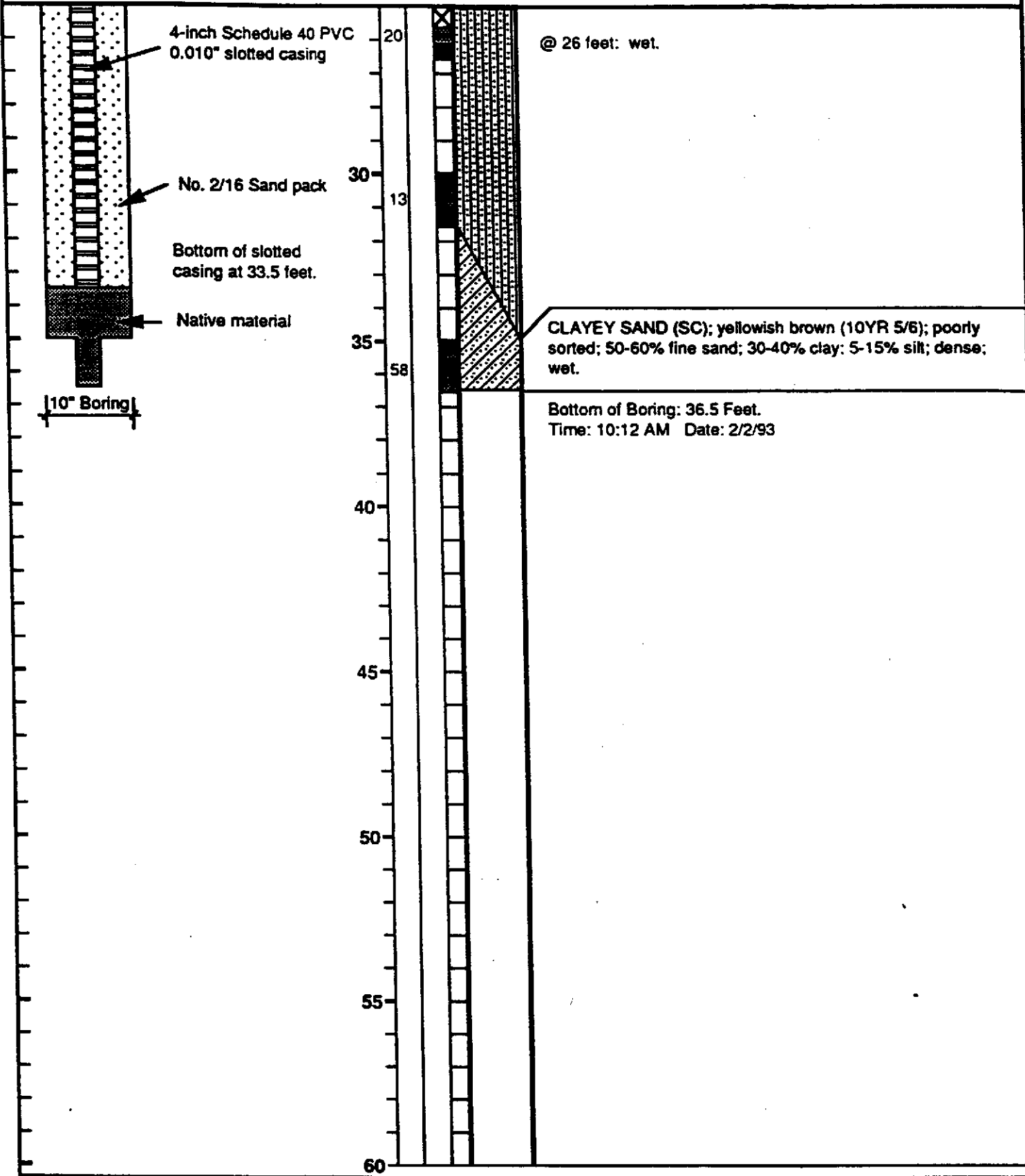
WELL CONSTRUCTION	Depth (ft.) Blows/ft.	Samples	Graphic	DESCRIPTION
	<p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p> <p>25</p> <p>12</p> <p>24</p> <p>27</p> <p>36</p>			<p>Surface Elevation: 5.55 feet Casing Elevation: 5.18 feet</p> <p>Asphaltic Concrete</p> <p>FILL: Gravel, rubble and brick</p> <p>ORGANIC CLAY (OH): black (10YR 2/1); trace fine sand; abundant roots: stiff: moist.</p> <p>2/4/93 CLAYEY SAND (SC): yellowish brown (10YR 5/4); poorly sorted; 50-60% fine sand, 30-40% clay. 5-15% medium sand; roots: medium dense: moist.</p> <p>@ 15 feet: yellowish brown (10YR 5/6); 75-85% fine sand; 10-15% clay; 5-10% medium sand: trace fine gravel.</p> <p>2/2/93</p> <p>SAND (SM): yellowish brown (10YR 5/4); moderately sorted; 70-80% fine sand; 20-30% silt; trace medium sand; iron oxidation; medium dense: moist.</p>

**WELL CONSTRUCTION**

**LOG OF BORING MW-4  
(continued)**

**DESCRIPTION**

Depth (ft.)  
Blows/ft.  
Samples  
Graphic



Repair Shop    Office



MW-5

Garage

Julie Ann Way

# LOG OF BORING MW-5

## Former Penske Truck Leasing Facility

### 725 Julie Ann Way Oakland, California

Project No.: RC01906      Date Drilled: February 2, 1993  
 Logged By: M. M. Bessette      Drilling Method: 10" Hollow stem auger  
 Drilling Co.: West Hazmat      Sampling Method: 2" Split spoon  
 Driller: Bill Smith      Inclination: Vertical

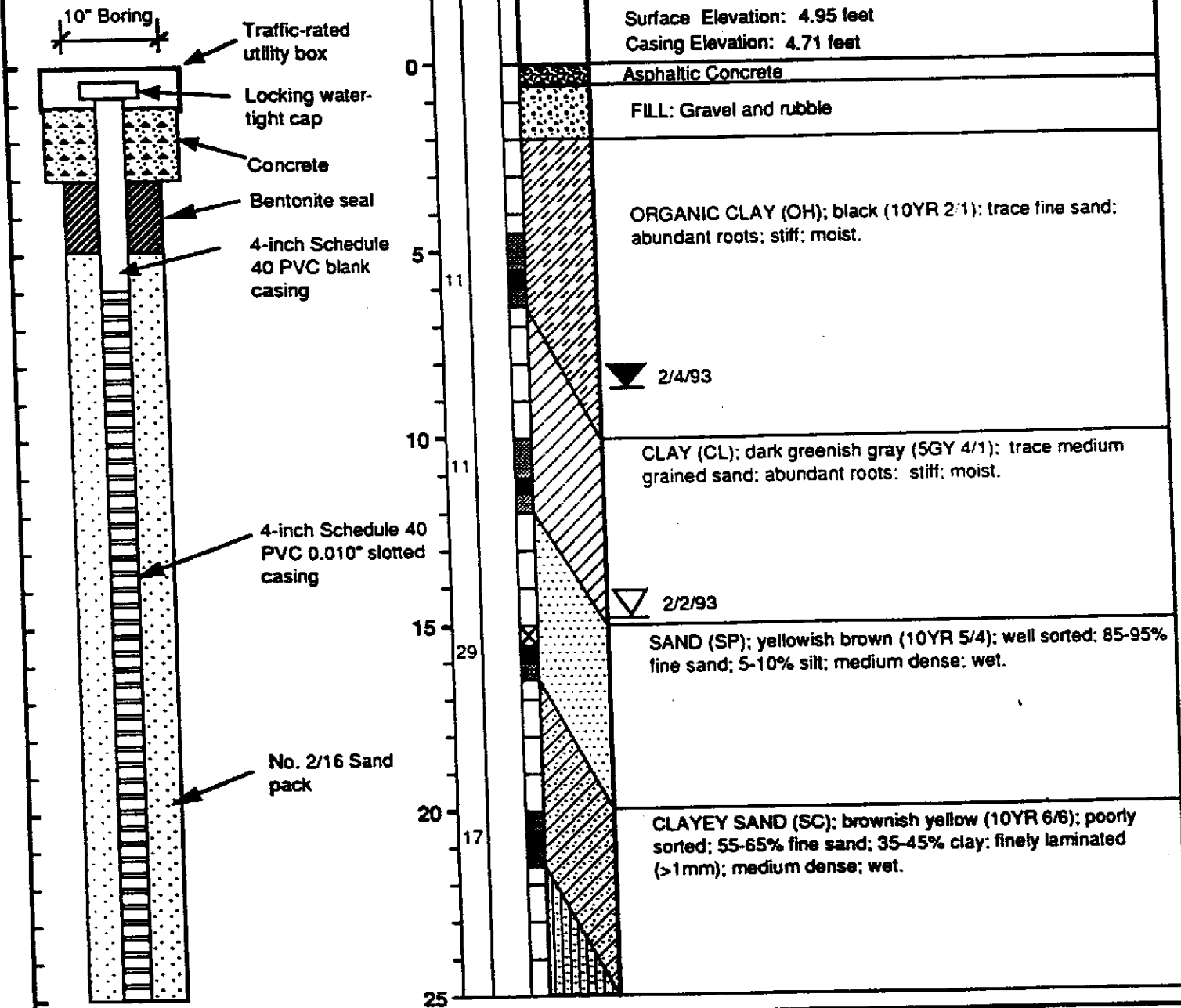
### WELL CONSTRUCTION

Depth (ft.)  
Blows/ft.

Samples

Graphic

### DESCRIPTION



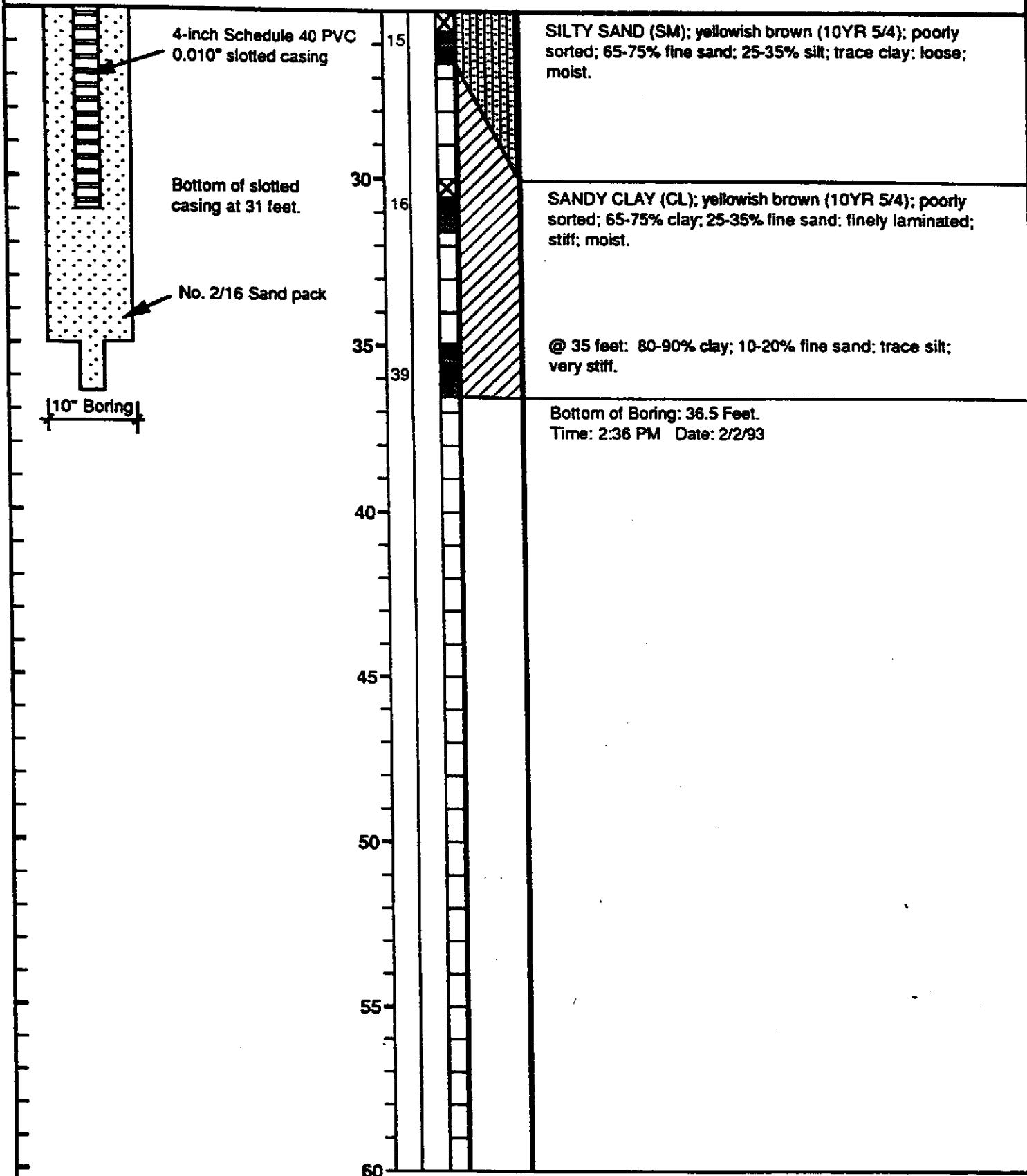
**LOG OF BORING MW-5  
(continued)**

**WELL CONSTRUCTION**

Depth (ft.)  
Blows/ft.

Samples  
Graphic

**DESCRIPTION**



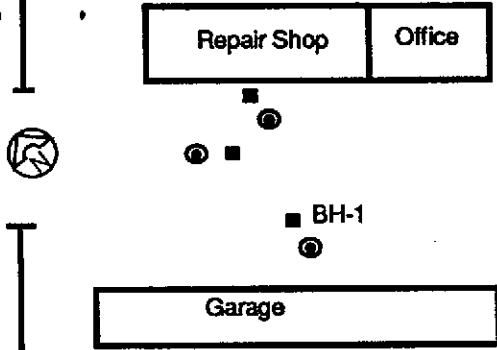


# LOG OF BORING BH-1

Former Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California

Project No.: RC01903  
Logged By: Paul V. Hehn  
Drilling Co.: West HazMat  
Driller: Mark Thorp

Date Drilled: September 25, 1990  
Drilling Method: 8" Hollow Stem Auger.  
Sampling Method: 2" Split spoon  
Inclination: Vertical

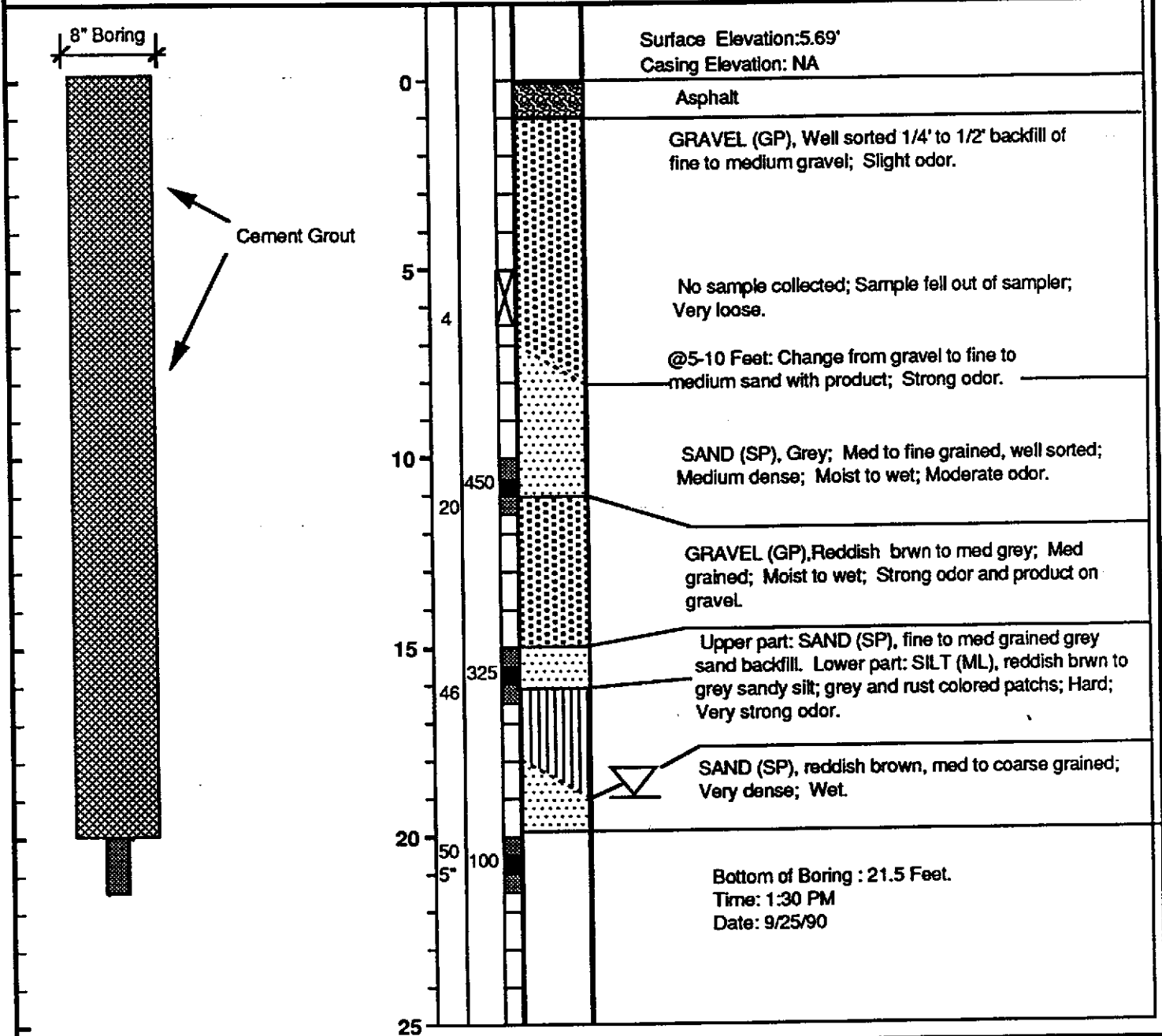


Julie Ann Way

## WELL CONSTRUCTION

Depth (ft.)  
Blows/ft.  
EXP  
Samples  
Graphic

## DESCRIPTION

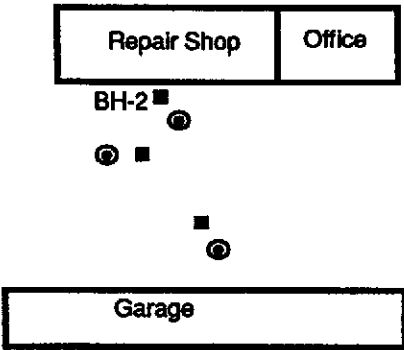


# LOG OF BORING BH-2

Former Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California

Project No.: RC01903  
Logged By: Paul V. Hehn  
Drilling Co.: West HazMat  
Driller: Mark Thorp

Date Drilled: September 27, 1990  
Drilling Method: 8" Hollow Stem Auger.  
Sampling Method: 2" Split spoon  
Inclination: Vertical



Julie Ann Way

## WELL CONSTRUCTION

Depth (ft.)

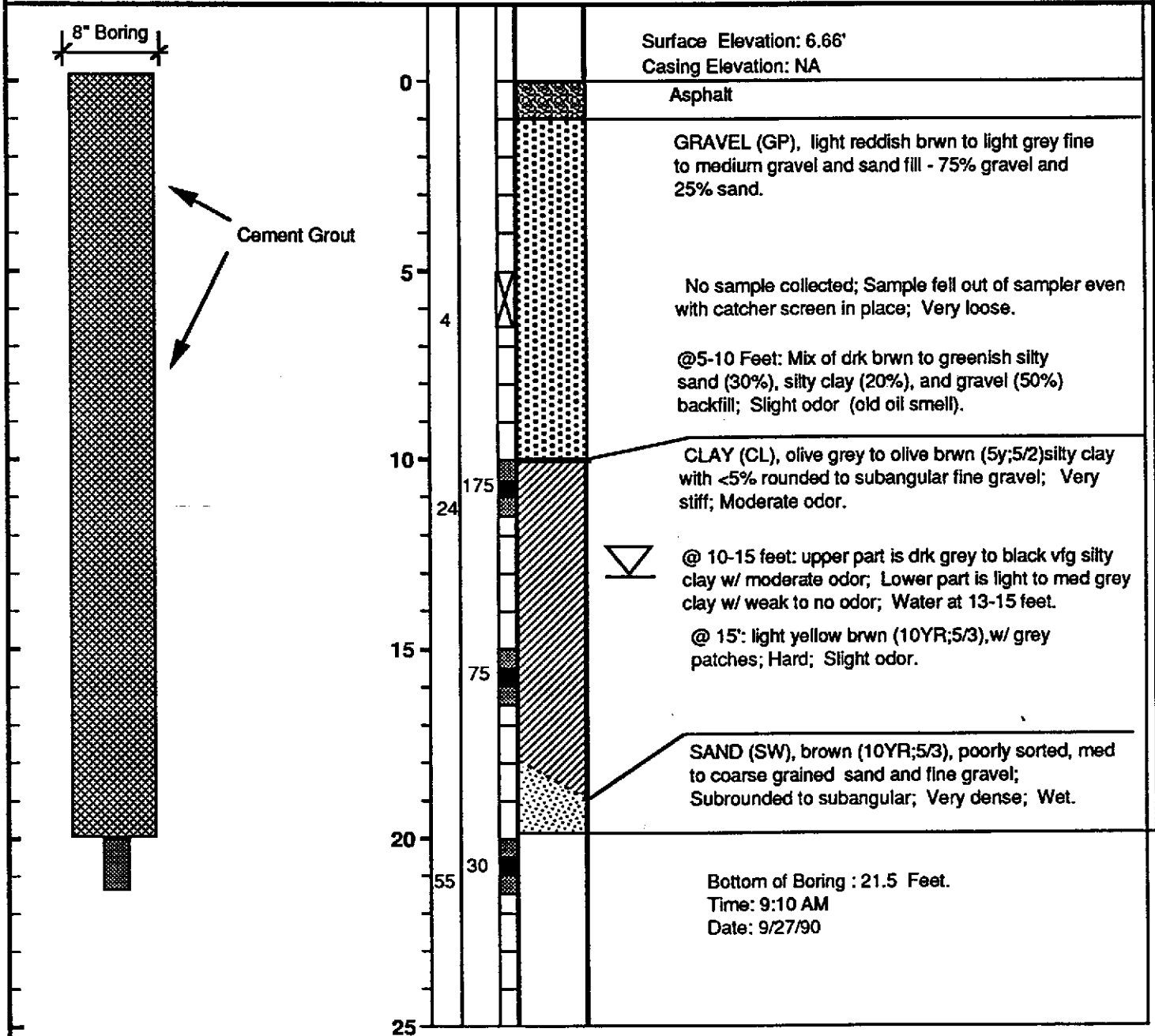
Blows/ft.

EXP

Samples

Graphic

## DESCRIPTION



# LOG OF BORING BH-3

Former Penske Truck Leasing Facility  
725 Julie Ann Way  
Oakland, California



● ■ BH-3



Julie Ann Way

Project No.: RC01903  
Logged By: Paul V. Hehn  
Drilling Co.: West HazMat  
Driller: Mark Thorp

Date Drilled: September 28, 1990  
Drilling Method: 8" Hollow Stem Auger.  
Sampling Method: 2" Split spoon  
Inclination: Vertical

## WELL CONSTRUCTION

Depth (ft.)

Blows/ft.

EXP

Samples

Graphic

## DESCRIPTION

Surface Elevation: 6.44'  
Casing Elevation: NA

Asphalt

GRAVEL (GP), Reddish brwn to dark grey sandy to silty gravel and clayey sand to sandy clay; Slight odor.

@ 5'; Silty Gravel, yellowish brwn (10YR;5/4); silty sand backfill material; Dense; Slight odor.

@5-10 feet: As above w/ pieces of red brick in gravel and minor black clay; Slight to moderate odor.

CLAY (CL), Pale brwn (10YR;6/3), to grey brwn ; silty w/ 10% subrounded fine gravel; Very stiff; Slight odor.

@ 10-15 feet, Dark grey to black to olive grey silty clay w/ 5% fine gravel.

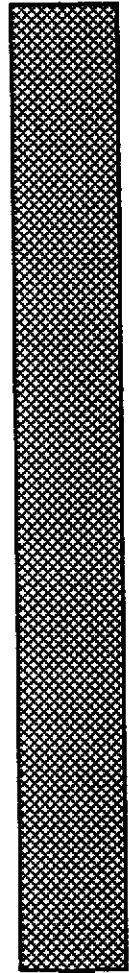
@ 15'; Silty clay, light brwnish grey (2.5YR; 6/2); Rust to grey patches; Hard; Slight odor.

@ 15-20 feet: Sand, fine to med grained; interbedded with sandy to silty clay and fine gravel.

SAND (SP), Brown (10YR;5/3), 95% fine to med, well sorted and 5% fine to coarse gravel; Flowing sands; Medium dense; Wet.

Bottom of Boring : 21.5 Feet.  
Time: 9:30 AM  
Date: 9/28/90

8" Boring



Cement Grout

0

5

10

15

20

25

43

29

60

13

60

75

130

225

60