

LOG OF TEST BORING MW-4

EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 5/26/94

ELEVATION 6.74 feet *

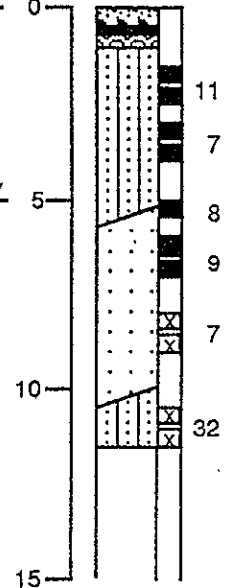
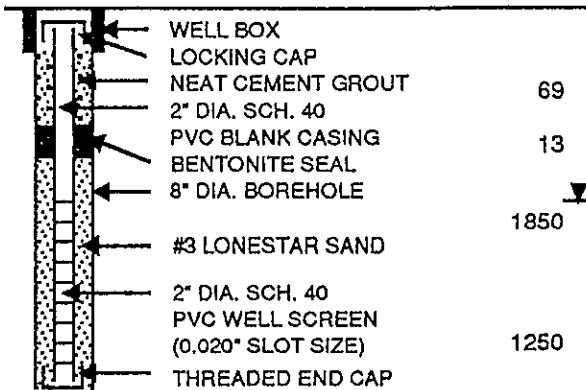
MOISTURE
CONTENT (%)

DRY
DENSITY
(PCF)

OWM
(PPM)

DEPTH
(FEET)

SAMPLE
BLOWS
PER
FOOT



CONCRETE SLAB - 6" thick
 ASPHALTIC CONCRETE - 2" thick
 AGGREGATE BASE - 3" thick
 BLACK SILTY SAND (SM)
 medium dense, moist, occasional fine gravel (fill)
 GROUNDWATER LEVEL DURING DRILLING
 gasoline odor at 5 feet
 OLIVE GRAY SAND (SP)
 medium dense, wet, fine grained

 LIGHT BROWN AND GRAY MOTTLED
 SILTY SAND (SM)
 dense, moist

SAMPLER TYPES:
 CALIFORNIA DRIVE

O.D.: 2.5 inches
 I.D.: 2.0 inches

*STANDARD PENETRATION TEST

O.D.: 2.0 inches
 I.D.: 1.4 inches

5-10' screen

HAMMER WEIGHT: 140 pounds
 HAMMER DROP: 30 inches

* City of Oakland Datum

LOG OF TEST BORING MW-5

EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 5/26/94

ELEVATION 6.73 feet *

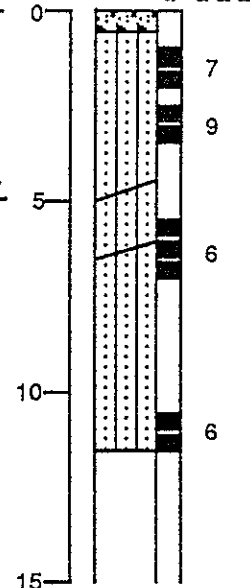
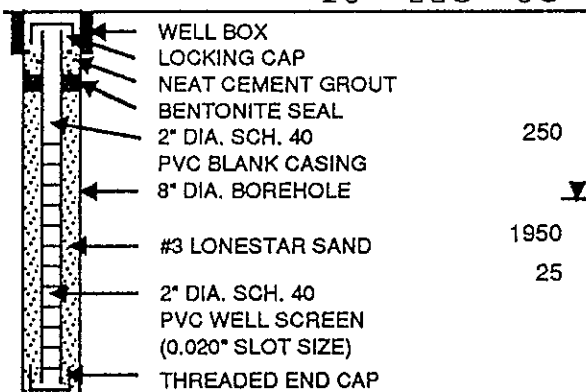
MOISTURE
CONTENT (%)

DRY
DENSITY
(PCF)

OWM
(PPM)

DEPTH
(FEET)

SAMPLE
BLOWS
PER
FOOT



CONCRETE SLAB - 7" thick
 BROWN SILTY CLAYEY SAND (SM/SC)
 medium dense, moist (fill)
 strong gasoline odor
 some wood fragments
 gravelly at 3.5 feet
 GROUNDWATER LEVEL DURING DRILLING
 OLIVE GRAY SILTY SAND (SM)
 loose, wet, fine grained
 BROWN AND GRAY MOTTLED SILTY
 SAND (SM)
 loose, wet, fine grained

3-10' screen

Subsurface Consultants

208 JACKSON STREET - OAKLAND, CA

PLATE

JOB NUMBER

DATE

APPROVED

886.001

5/31/94

SL

2

**Table 1.
Groundwater Elevation Data**

<u>Well Number</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>
MW-2	6.64	1/06/94	4.63	2.01
		6/03/94	4.72	1.92
MW-3	7.71	1/06/94	5.40	2.31
		6/03/94	4.18	3.53
MW-4	6.74	6/03/94	4.96	1.78
MW-5	6.73	6/03/94	4.60	2.13

**Table 2.
Hydrocarbon Concentrations in Groundwater
(Sampled 6/3/94)**

<u>Sample</u>	<u>TVH¹ (ug/l)⁴</u>	<u>TEH² (ug/l)</u>	<u>B³ (ug/l)⁵</u>	<u>T³ (ug/l)</u>	<u>E³ (ug/l)</u>	<u>X³ (ug/l)</u>
MW-2	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3	<50	230	<0.5	<0.5	<0.5	<0.5
MW-4	210,000	9,800	7,600	28,000	3,700	24,000
MW-5	7,800	4,600	3.8	6.2	10	16

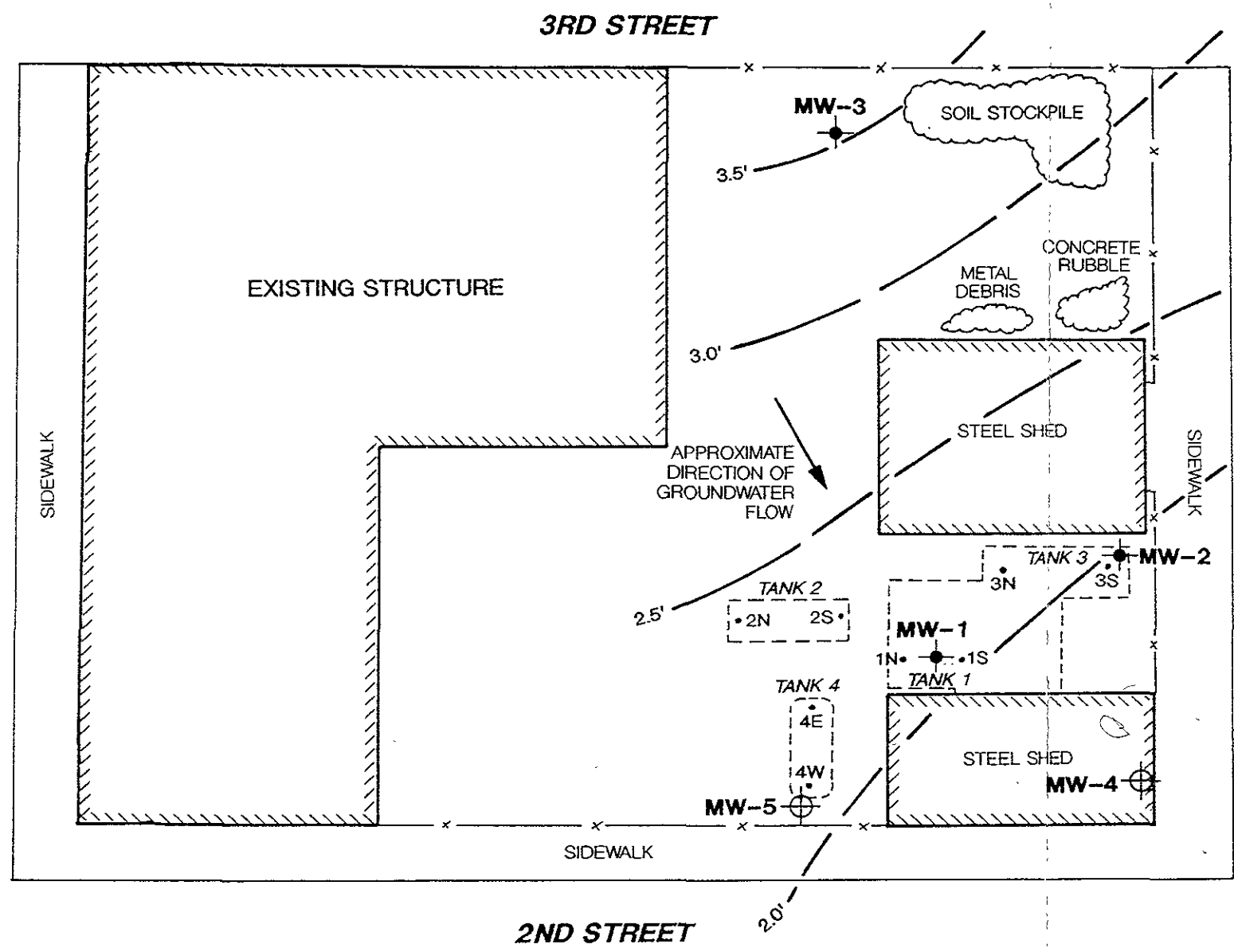
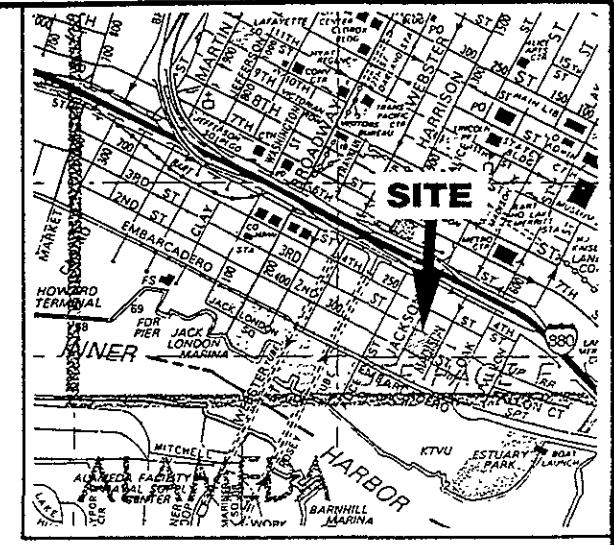
¹ Total volatile hydrocarbons, as gasoline

² Total extractable hydrocarbons, as kerosene

³ Benzene, toluene, xylene, ethylbenzene

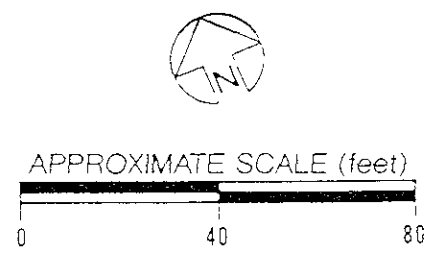
⁴ ug/l = micrograms per liter

⁵ <50 = chemical not detected at a concentration in excess of detection limit shown.



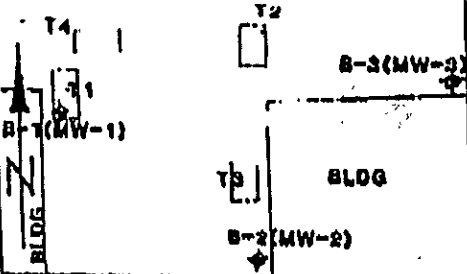
APPROXIMATE LOCATION OF MONITORING WELLS INSTALLED BY OTHERS (NOTE: WELL MW-1 WAS NOT LOCATED)
 APPROXIMATE LOCATION OF SOIL SAMPLE RECOVERED DURING TANK REMOVAL
 LOCATION OF REMOVED CONCRETE PAVEMENT
 LOCATION OF ADDITIONAL GROUNDWATER MONITORING WELLS
 GROUNDWATER CONTOUR ELEVATION (FEET)

TANK NO.	PRODUCT STORED
4	UNLEADED GASOLINE
2	UNLEADED GASOLINE
3	DIESEL
1	DIESEL



SITE PLAN			1
208 JACKSON STREET - OAKLAND, CA			
JOB NUMBER	DATE	APPROVED	
886.001	1/5/94	SL	

Subsurface Consultants



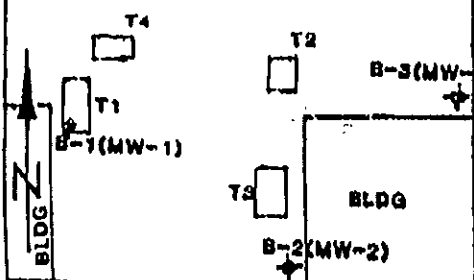
WELL NUMBER	B-3 (MW-3)	LOCATION	208 JACKSON ST. OAKLAND, CA
DATE	5/5/90	WEATHER	SUNNY, 60's
LOGGED BY	TOM SMITH	DRILLED BY	AQUA SCIENCE
DRILLING METHOD	8 5/8-INCH HOLLOW STEM AUGER	SAMPLING METHOD	18-INCH CAL. I.F. SPLIT-SPOON
GRAVEL PACK	SAND 10 FEET TO 4 FEET	SEAL	BENTONITE 4 FT TO 3 FT GROUT 3 FT TO 0 FT

CASING	TYPE SCHEDULE 40	DIAMETER TWO-INCH	LENGTH 5 FT	HOLE DIA. 10-INCH	
SCREEN	TYPE PVC	SLOT 0.01 INCH	DIAMETER TWO-INCH	LENGTH 5 FT	TOTAL 10 FT DEPTH

MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPH)	DEPTH	SAMPLE RECOVERY	PERMEATION RESISTANCE	USPS	LITHOLOGY/REMARKS	WELL COMPLETION
						0					
						1					
						2					
						3					
damp	poor	mst				3.3			ML	0.00'-0.50' SILT, brown, clayey.	
mst	fair	slt		1	NA	4			SC	0.50'-1.30' SAND, brown, mottled, light brown, very fine-grained, clayey.	
						5					
						5.5				Water at 5.5 feet.	
sat	fair	lse				6.5			SC	0.00'-1.50' SAND, yellowish-brown, fine-grained, very clayey.	
				2	NA	7					
						8					
						9					
						10					
						11					
						12					
						13					
						14					
						15					
						16					
						17					
						18					
						19					
						20					



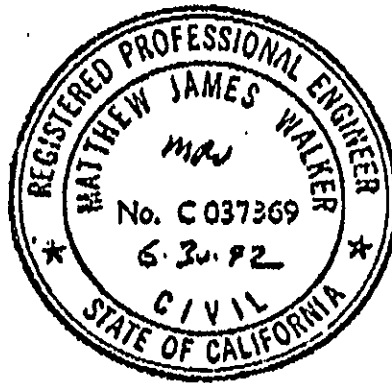
EXPLANATION	GROUT	SAND	SCREEN	WATER LEVEL	CASING	PERMIT # 90266	AGENCY: Alameda Co. Flood Cntrl. & Wtr Conserv. District
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WELL NUMBER	B-2(MW-2)	LOCATION	208 JACKSON ST, OAKLAND, CA
DATE	5/5/90	WEATHER	SUNNY, 60's
LOGGED BY	TOM SMITH	DRILLED BY	AQUA SCIENCE
DRILLING METHOD	8 5/8-INCH HOLLOW STEM AUGER	SAMPLING METHOD	18-INCH CALIF. SPLIT-SPOON
GRAVEL PACK	SAND 10 FEET TO 4 FEET	SEAL	BENTONITE 4 FT TO 3 BT GROUT 3 FT TO 0 FT

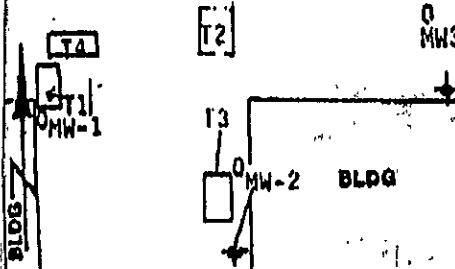
CASING	TYPE SCHEDULE 40	DIAMETER TWO-INCH	LENGTH 5 FT	HOLE DIA. 10-INCH	
SCREEN	TYPE PVC	SLOT 0.01 INCH	DIAMETER TWO-INCH	LENGTH 5 FT	TOTAL DEPTH 0 FT

MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TP READINGS (PPS)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	USCS	LITHOLOGY/REMARKS	WELL COMPLETION
						0					
						1					
						2					
damp	poor	mst				3				0.00'-0.50' SILT, brown, clayey.	
mst	fair	slt		1	NA	4	1.3	3	ML	0.50'-1.30' SAND, brown, mottled, light brown, very fine-grained, clayey.	
						5					
						6				Water at 5.5 feet.	
sat	fair	lse		2	NA	7	0.10	2	SC	0.00'-0.10' SAND, yellowish-brown, fine-grained, very clayey. Very little sample recovery.	
						8					
						9					
						10					
						11					
						12					
						13					
						14					
						15					
						16					
						17					
						18					
						19					
						20					



EXPLANATION	GROUT	SAND	SCREEN	PERMIT # 90266
	BENTONITE	CASING	WATER LEVEL AGENCY	

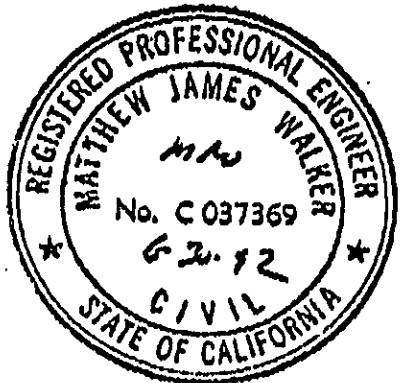
Alameda Co. Flood Cntrl. & Wtr Conserv. District



WELL NUMBER	B-1 (MW-1)	LOCATION	200 JACKSON STREET OAKLAND, CALIF.
DATE	5/5/90	WEATHER	SUNNY 60's
LOGGED BY	TOM SMITH	DRILLED BY	AQUA-SCIENCE
DRILLING METHOD	1.8 5/8-inch HOLLOW-STEM AUGER	SAMPLING METHOD	1.8-INCH CALIF. SPLIT SPOON
GRAVEL PACK	SAND 10 FEET TO 4 FEET	SEAL	BENTONITE 4 FT TO 3 FT GROUT 3 FT TO 0 FT.

CASING TYPE	SCHEDULE 40 PVC	DIAMETER	TWO-INCH	LENGTH	5 FT.	HOLE TEN DIA. INCH
SCREEN TYPE	PVC	SLOT	0.01 INCH	DIAMETER	TWO-INCH	LENGTH 5 FT
						TOTAL TEN DEPTH FT

MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	SP. READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	HSRS	LITHOLOGY/REMARKS	WELL COMPLETION
						0					
						1					
						2					
						3					
	MST FR		LSE			4	1.5'	2	SM	0.00'-1.50' SAND, grayish-brown, fine-grained, sub-rounded.	
				1	NA	5		2			
						6	0.45'	4	SC	0.00'-0.45' SAND, grayish-brown, fine-grained, sub-rounded. Water at 6.0 FT.	
	SAT WELL		LSE	2	NA	7		1			
						8					
						9	1.5'	6	SC	0.00'-1.50' SAND, brown, mottled, greenish-gray, slightly clayey.	
	SAT FR		MDNS	3	NA	10		11			
						11		21			
						12					
						13					
						14					
						15					
						16					
						17					
						18					
						19					
						20					



PERMIT # 90266

EXPLANATION	GROUT	SAND	SCREEN	WATER LEVEL AGENCY
	BENTONITE	CASING		Alameda Co. Flood Contr. & Wtr. Conserv. District