

Soil Sample Analysis, Gasoline, BTX & E (8020, THP Light)

Original B-1/MW-1 (8/26/88) was destroyed.
B-2/MW-1 (2/14/90) was installed in approx. location of B-1/MW-1 (8/26/88).

<u>Sample Location</u>	<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
B-1/MW-1 @ 3-Feet 8/26/88 16:40	Petroleum Hydrocarbons	10.0	ND	ppm
	Benzene	2.5	ND	ppb
	Toluene	2.5	13	ppb
	Xylenes	2.5	ND	ppb
	Ethylbenzene	3.0	ND	ppb
	B-1/MW-1 @ 6-Feet 8/26/88 16:40	Petroleum Hydrocarbons	10.0	ND
Benzene		2.5	ND	ppb
Toluene		2.5	ND	ppb
Xylenes		2.5	ND	ppb
Ethylbenzene		3.0	ND	ppb
B-1/MW-1 @ 8-Feet 8/26/88 16:40		Petroleum Hydrocarbons	10.0	71,000
	Benzene	2.5	1,200	ppb
	Toluene	2.5	2,900	ppb
	Xylenes	2.5	7,200	ppb
	Ethylbenzene	3.0	3,900	ppb
	<u>B-2/MW-2</u> <u>@ 10.5-Feet</u> 8/26/88 8:11 <u>Former B-8</u>	Petroleum Hydrocarbons	10.0	ND
Benzene		0.5	ND	ppb
Toluene		0.5	ND	ppb
Xylenes		0.6	ND	ppb
Ethylbenzene		0.6	ND	ppb
<u>B-3/MW-3</u> <u>@ 11-Feet</u> 8/26/88 8:11 <u>Former B-9</u>		Petroleum Hydrocarbons	10.0	ND
	Benzene	0.5	ND	ppb
	Toluene	0.5	ND	ppb
	Xylenes	0.6	ND	ppb
	Ethylbenzene	0.6	ND	ppb

						Log of Boring 1	
Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment
							Elevation
			*			0	B-53 Mobile Drill
						12	**218 Date 8/26/88
			6			5	A.C. YELLOW BROWN CLAYEY SANDY GRAVEL (GP), moist, loose, (FILL)
			3			4	OLIVE BROWN GRAVELLY SANDY CLAY (CL), moist, stiff, (FILL)
			4			10	MOTTLED ORANGE-BROWN, GREY SANDY CLAY (CL), wet, medium stiff, (ALLUVIUM)
						15	grades to soft
						20	grades to saturated
						25	DARK GREY CLAYEY GRAVEL (GC), saturated, loose, (RESIDUAL SOIL)
						30	DARK GREY SHALE, moderately hard, weak, moderately weathered, (BEDROCK)
			17/4"			35	
			11/3"			40	
							Boring Terminated at 21 feet
							*Values Converted to Standard Penetration Resistance
							**Elevations Referenced from Grading Plan prepared by Raymond F. Greenwood, dated 6/28/88

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LOG OF BORING 1

19051 Lake Chabot Road
 Castro Valley, California

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment	Elevation	Date
						0	Portable Powered Auger	214	9/26/88
						0	A.C.		9/26/88
						0-5	YELLOW-BROWN GRAVELLY CLAYEY SAND (SC), moist, loose, (FIL)		
						5-10	BROWN SANDY CLAY (CL), moist, medium stiff, (ALLUVIUM)		
			21			10	MOTTLED RUST-BROWN, GRAY-BROWN SANDY CLAY (CL), wet, very stiff, (ALLUVIUM)		
						10	grades to saturated, stiff		
			8			15			
						15	GRAY CLAYEY SAND (SC), saturated, loose, w/gravel, (ALLUVIUM)		
			5			20	Test Boring Terminated at 20 feet		
						25			
						30			
						35			
						40			

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LOG OF BORING 2

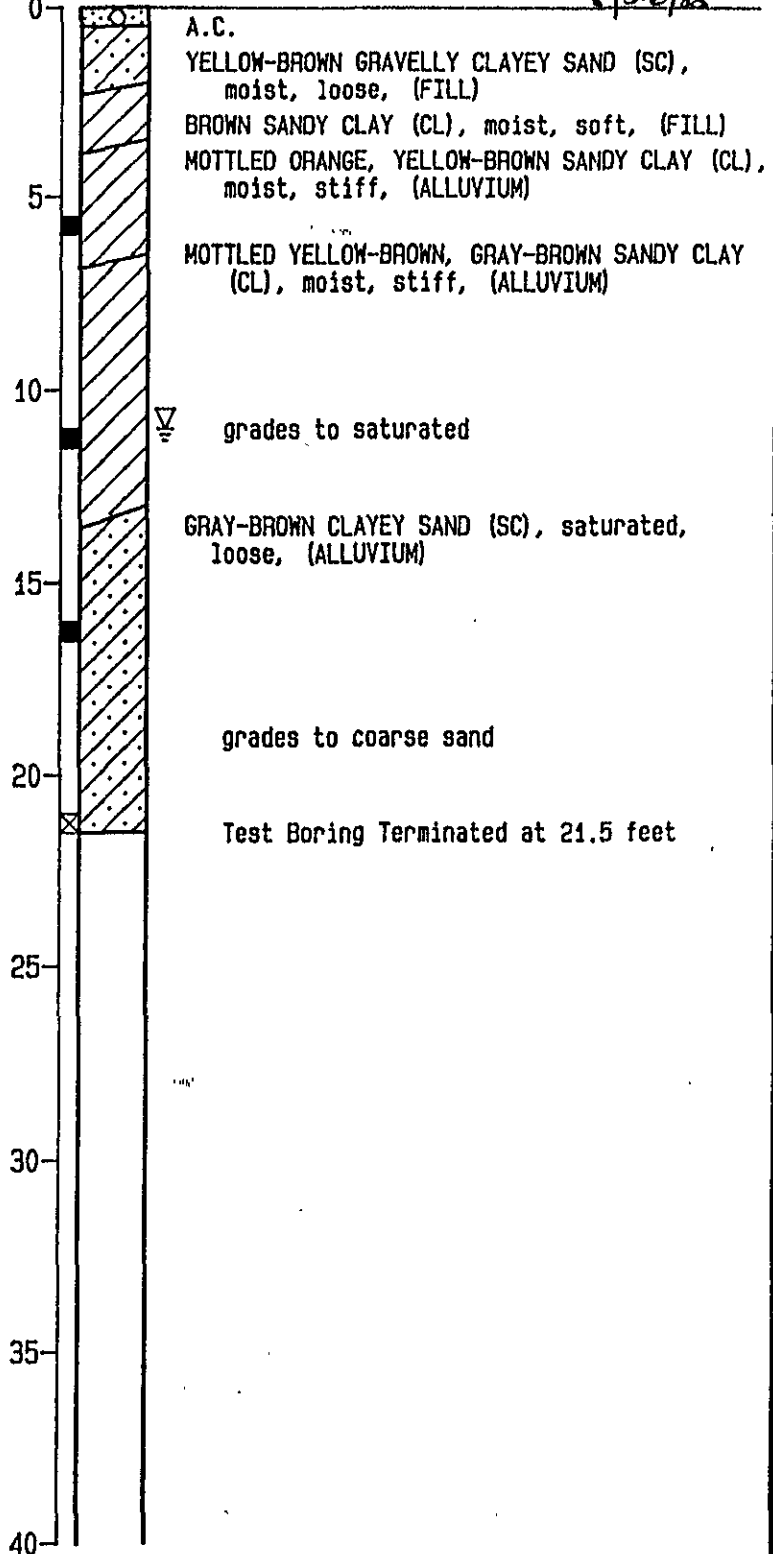
19051 Lake Chabot Road
 Castro Valley, California

PLATE
4

FORMERLY B-9 (2)

Log of Boring 3

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment	Portable Powered Auger
							Elevation	212 Date 9/26/88



13

9

4

4

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LOG OF BORING 3
 19051 Lake Chabot Road
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PLATE
5

3

Water and Soil Sampling During Construction

<u>Sample Description</u>	<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
Water Sample at Bottom of Pit	Petroleum Hydrocarbons	0.05	52	ppm
	Benzene	0.5	750	ppb
	Ethylbenzene	0.6	ND	ppb
	Toluene	0.5	520	ppb
	Xylenes, total	0.6	3100	ppb
Soil Samples at Bottom of Pit	Petroleum Hydrocarbons	10	84	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	3.0	ND	ppb
	Toluene	2.5	ND	ppb
	Xylenes, total	3.0	8400	ppb
Soil Sample of Stockpile	Petroleum Hydrocarbons	10	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	3.0	ND	ppb
	Toluene	2.5	ND	ppb
	Xylenes, total	3.0	ND	ppb

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CHEMICAL TESTING
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
10

4

John Hom Properties
19101 - 19051 Lake Chabot Rd
Castro Valley, CA

ROADWAY

NEW HOUSE
3249 Hertlein Pl.

EMPTY LOT

MW-4

PURGE WATER DRUMS

CONCRETE

WOODEN DECK

MW-1

MW-2

RED HOUSE

CONCRETE DRAINAGE DITCHES

MW-3

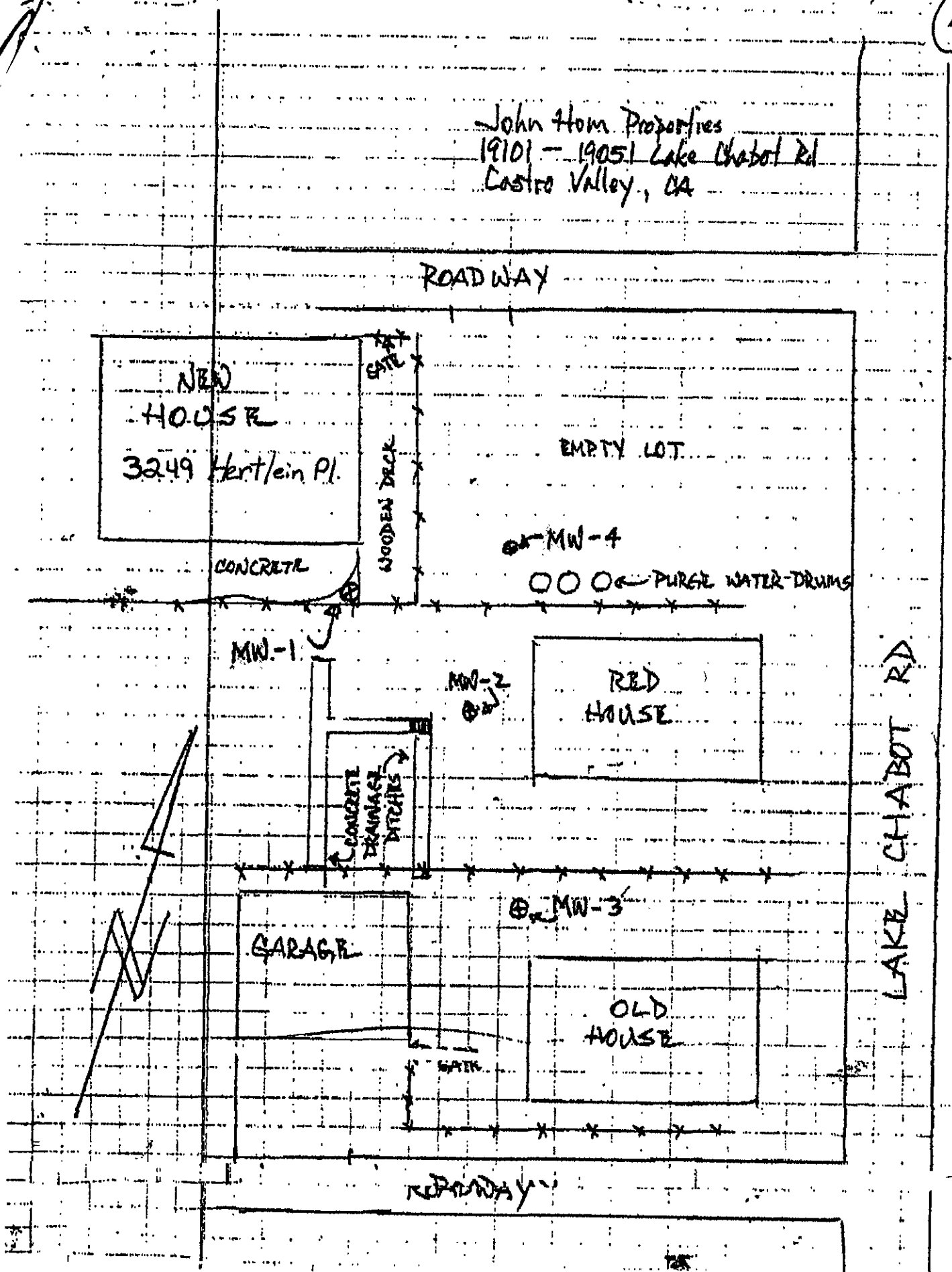
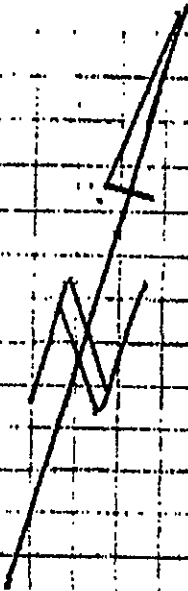
GARAGE

OLD HOUSE

WATER

LAKE CHABOT RD

ROADWAY



Soil Sample Analysis, Gasoline, BTX & E

<u>Sample Location</u>	<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
B-1 @ 6-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	6.6	ppb
	Xylenes, total	2.5	4.0	ppb
B-1 @ 11.5-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	5.0	ppb
	Xylenes, total	2.5	ND	ppb
B-1 @ 16-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	3.3	ppb
	Xylenes, total	2.5	ND	ppb
B-1 @ 18.5-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	4.9	ppb
	Ethylbenzene	2.5	5.2	ppb
	Toluene	2.5	90.	ppb
	Xylenes, total	2.5	52.	ppb
B-2 @ 6-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	1.7	ppb
	Xylenes, total	2.5	1.1	ppb
B-2 @ 11-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	2.5	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	7.3	ppb
	Xylenes, total	2.5	6.7	ppb
B-2 @ 16-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	4.9	ppb
	Xylenes, total	2.5	7.1	ppb
B-2 @ 19.5-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	7.7	ppb
	Ethylbenzene	2.5	5.1	ppb
	Toluene	2.5	55.	ppb
	Xylenes, total	2.5	34.	ppb

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CHEMICAL TESTING
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
13

Log of Boring 1

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psf)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment
							8' Hollow Stem Auger
							Elevation **218 Date 2/14/90
			*			0	BLACK SANDY SILTY CLAY (CH), very stiff, wet, (ALLUVIUM)
			30			3	
Chem. Analysis			21			6	MOTTLED ORANGE-BROWN, GRAY SANDY CLAY (CL) moist, very stiff, (ALLUVIUM)
						9	MOTTLED OLIVE BROWN-GRAY SANDY CLAY (CL), wet, very stiff, (ALLUVIUM)
Chem. Analysis			19			12	Water Level (2/14/90)
						15	GRAY BROWN SANDY CLAY (CL), medium stiff, saturated, (ALLUVIUM)
Chem. Analysis			7			18	GRAY SHALE, moderately strong, friable, moderately weathered, highly fractured, highly sheared, (BEDROCK)
Chem. Analysis			27/5'			18	Test boring terminated at 19.3 feet.
						21	*Values converted to Standard Penetration Resistance.
						24	**Elevations referenced from Grading Plan by Raymond F. Greenwood, dated 6/28/88.
							Top of casing elevation: 211.11

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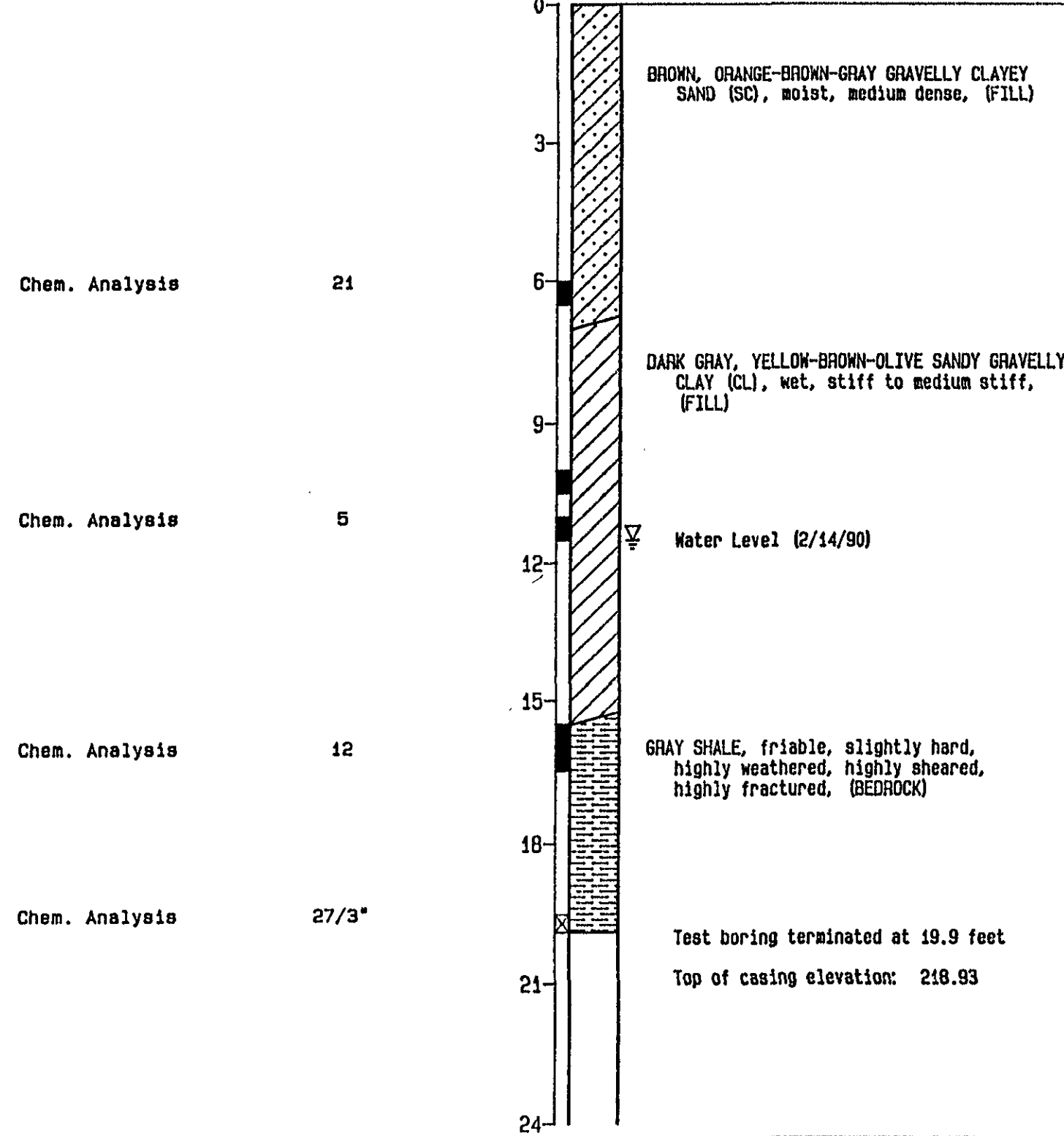
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LOG OF BORING 1 MW2 (?)
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
11

Log of Boring 2

	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment Elevation	8" Hollow Stem Auger 212	Date 2/14/90
Laboratory Tests									



Chem. Analysis

21

Chem. Analysis

5

Chem. Analysis

12

Chem. Analysis

27/3"

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LOG OF BORING 2 *MW-1(?)*
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
12

Former Herlein Property located at 19051 Lake Chabot Rd., Castro Valley

HISTORICAL MONITORING WELL DATA in ppb

(see also blue print/site map labeled as Plate 1 from report dated 8/24/94)

MW-1

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	14.23	300	24	3	9.1	34
3/92			300	43	9.2	11	34
11/91		14.29	290	16	ND	1.6	15
8/91		14.03	420	32	14	3.6	29
5/91		13.84	520	23	ND	ND	19
2/91		14.53	460	12	7.9	ND	20
10/90		14.45	ND	ND	ND	ND	ND
*9/88			52,000	420	440	610	3,300

*Original MW-1 was destroyed during overexcavation/construction activities in 2/89.

MW-2

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	7.92	ND	ND	ND	ND	ND
3/92			ND	ND	ND	ND	ND
11/91		7.85	ND	ND	ND	ND	ND
8/91		7.86	ND	ND	ND	ND	ND
5/91		7.74	50	ND	ND	ND	ND
2/91		7.85	ND	ND	ND	ND	ND
10/90		7.96	ND	0.8	ND	1.1	2.1

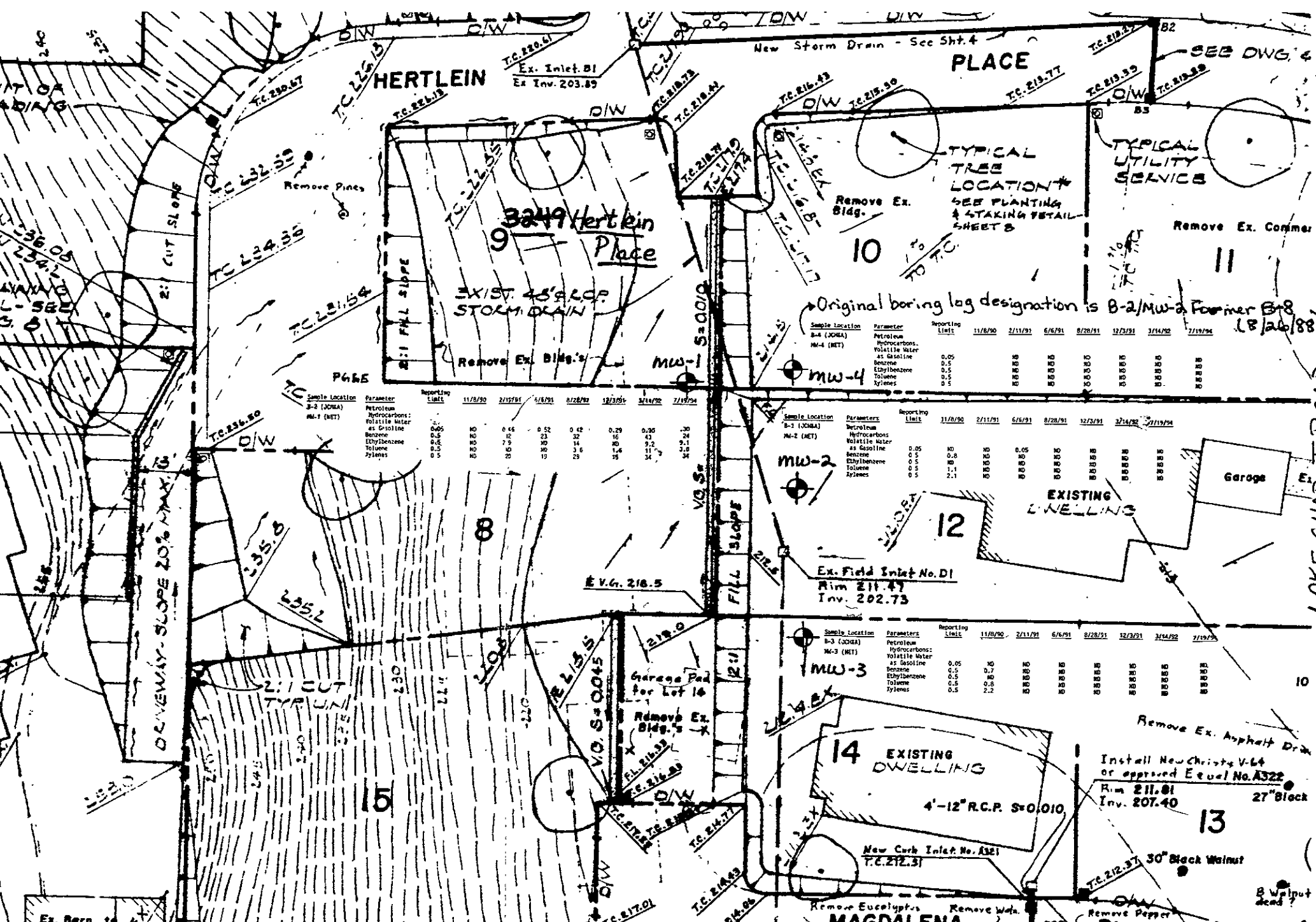
MW-3

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	8.62	ND	ND	ND	ND	ND
3/92			ND	ND	ND	ND	ND
11/91		8.57	ND	ND	ND	ND	ND
8/91		8.60	ND	ND	ND	ND	ND
5/91		8.55	ND	ND	ND	ND	ND
2/91		8.61	ND	ND	ND	ND	ND
10/90		8.74	ND	0.7	ND	0.8	2.2
9/88			ND	ND	ND	ND	ND

MW-4

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	11.19	ND	ND	ND	ND	ND
3/92			ND	ND	ND	ND	ND
11/91		11.29	ND	ND	ND	ND	ND
8/91		11.18	ND	ND	ND	ND	ND
5/91		11.30	ND	ND	ND	ND	ND
2/91		11.38	ND	ND	ND	ND	ND
*9/88			ND	1.1	ND	ND	1.9

*This well was identified as MW-2 prior to 1990.



30 ft

Existing Monitoring Wells (with current well designation numbers)

Note: Reduction of map submitted in "Report of Env. Services" dated 08/24/94. Plate #1.



5

28

FOR CONTINUATION SEE MAP 26

ALAMEDA CO.

ZIP

444,

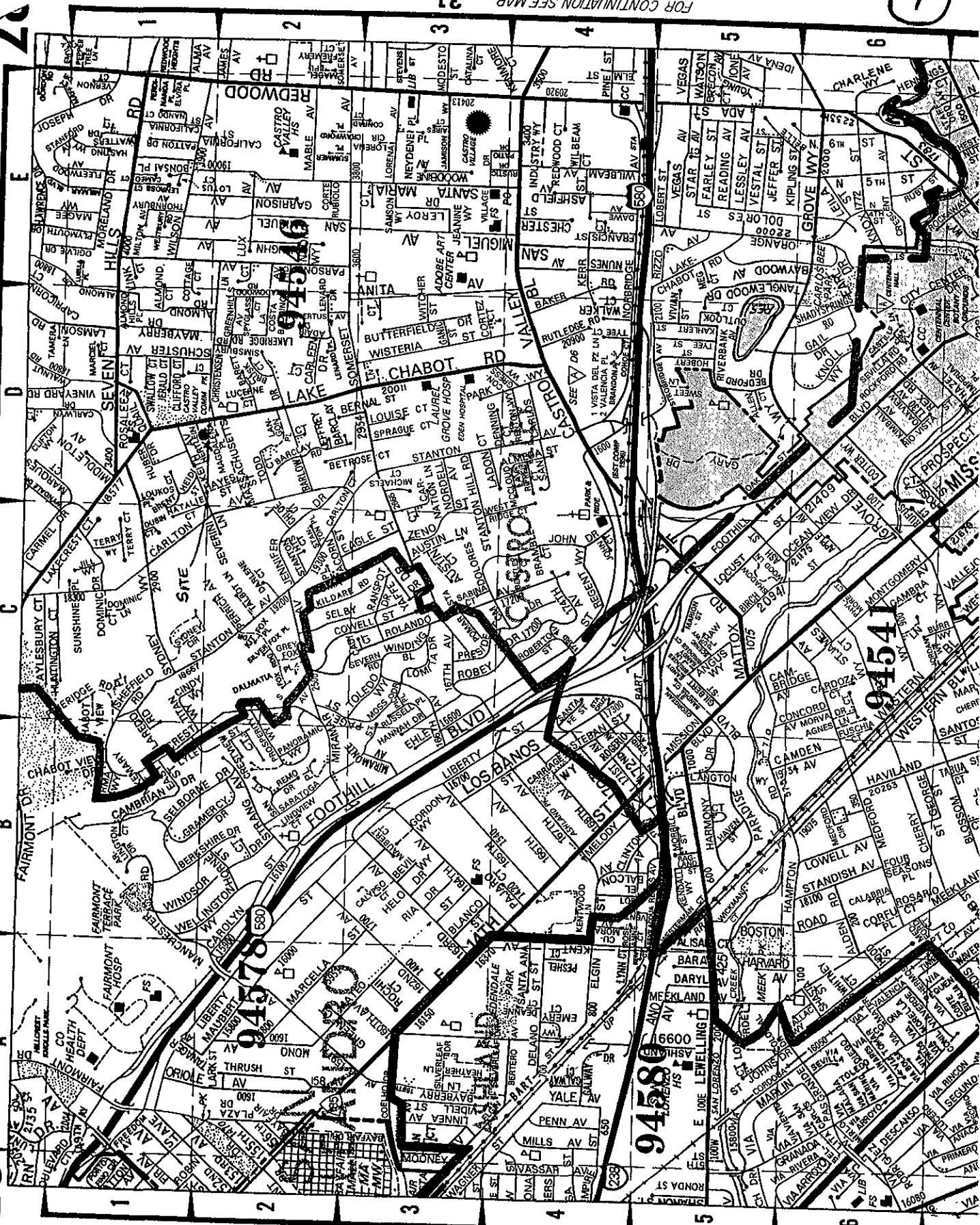
442,

27

FOR CONTINUATION SEE MAP

DETAIL

434,

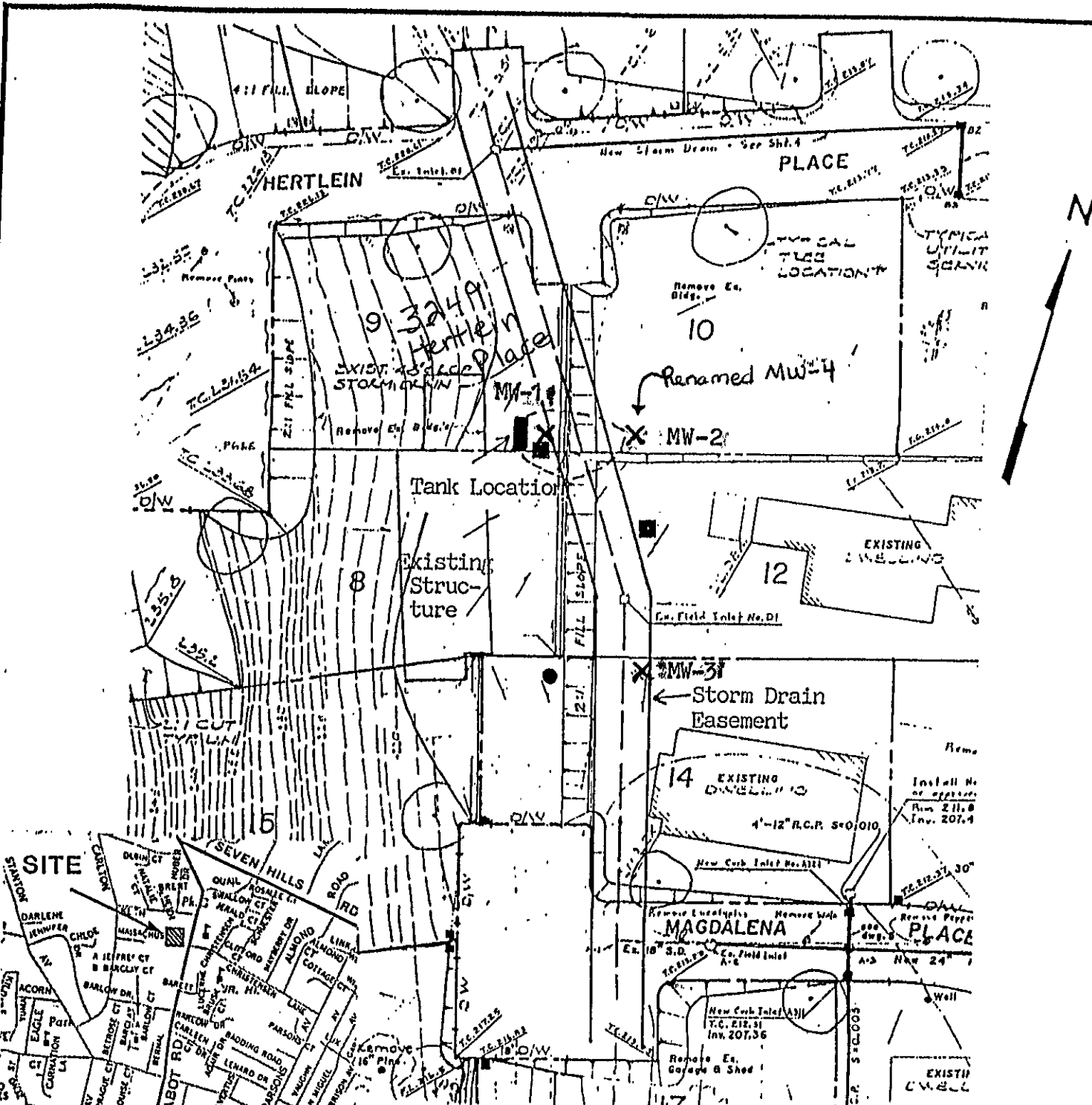


26

31

FOR CONTINUATION SEE MAP

1



EXPLANATION

Scale 1"=40'

- Approximate Limits of Soil and Groundwater Contamination
- █ Former Tank Location
- Domestic Well
- X Monitoring Well, Test Boring

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JOHN C. HOM
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ORIGINAL
 Test Boring and Monitoring Well
 Location Plan
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
1

Soil Sample Analysis, Gasoline, BTX & E (8020, THP Light)

Original B-1/MW-1 (8/26/88) was destroyed. Location of B-1/MW-1 (8/26/88) was installed in approx. location of B-2/MW-1 (2/14/90) was installed in approx. location of B-1/MW-1 (8/26/88).

Sample Location	Parameter	Reporting Limit	Results	Units
B-1/MW-1 @ 3-Feet 8/26/88 16:40	Petroleum Hydrocarbons	10.0	ND	ppm
	Benzene	2.5	ND	ppb
	Toluene	2.5	13	ppb
	Xylenes	2.5	ND	ppb
	Ethylbenzene	3.0	ND	ppb
	B-1/MW-1 @ 6-Feet 8/26/88 16:40	Petroleum Hydrocarbons	10.0	ND
Benzene		2.5	ND	ppb
Toluene		2.5	ND	ppb
Xylenes		2.5	ND	ppb
Ethylbenzene		3.0	ND	ppb
B-1/MW-1 @ 8-Feet 8/26/88 16:40		Petroleum Hydrocarbons	10.0	71,000
	Benzene	2.5	1,200	ppb
	Toluene	2.5	2,900	ppb
	Xylenes	2.5	7,200	ppb
	Ethylbenzene	3.0	3,900	ppb
	B-2/MW-2 @ 10.5-Feet 8/26/88 8:11 <u>Former B-8</u>	Petroleum Hydrocarbons	10.0	ND
Benzene		0.5	ND	ppb
Toluene		0.5	ND	ppb
Xylenes		0.6	ND	ppb
Ethylbenzene		0.6	ND	ppb
B-3/MW-3 @ 11-Feet 8/26/88 8:11 <u>Former B-9</u>		Petroleum Hydrocarbons	10.0	ND
	Benzene	0.5	ND	ppb
	Toluene	0.5	ND	ppb
	Xylenes	0.6	ND	ppb
	Ethylbenzene	0.6	ND	ppb

Log of Boring 1

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment
							B-53 Mobile Drill
							Elevation
							**218 Date 8/26/88
			*			0	A.C.
						12	YELLOW BROWN CLAYEY SANDY GRAVEL (GP), moi loose, (FILL)
						5	OLIVE BROWN GRAVELLY SANDY CLAY (CL), mois stiff, (FILL)
			6				MOTTLED ORANGE-BROWN, GREY SANDY CLAY (CL) wet, medium stiff, (ALLUVIUM)
			3				grades to soft
						10	grades to saturated
			4				DARK GREY CLAYEY GRAVEL (GC), saturated, loose, (RESIDUAL SOIL)
			8			15	DARK GREY SHALE, moderately hard, weak, moderately weathered, (BEDROCK)
			17/4"				
			11/3"			20	Boring Terminated at 21 feet
						25	*Values Converted to Standard Penetration Resistance
						30	**Elevations Referenced from Grading Plan prepared by Raymond F. Greenwood dated 6/28/88
						35	
						40	

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 & ASSOCIATES, INC.
 Geotechnical Consultants

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LOG OF BORING 1
 19051 Lake Chabot Road
 Castro Valley, California

PLAN
3

FORMERLY B-8

Log of Boring 2

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment	Elevation	Date
						0	Portable Powered Auger	214	9/26/88
						0 - 5	A.C. YELLOW-BROWN GRAVELLY CLAYEY SAND (SC), moist, loose, (FIIL) BROWN SANDY CLAY (CL), moist, medium stiff (ALLUVIUM)		
			21			5 - 10	MOTTLED RUST-BROWN, GRAY-BROWN SANDY CLAY (CL), wet, very stiff, (ALLUVIUM)		
			8			10 - 15	grades to saturated, stiff		
			5			15 - 20	GRAY CLAYEY SAND (SC), saturated, loose, w/gravel, (ALLUVIUM)		
						20	Test Boring Terminated at 20 feet		
						25			
						30			
						35			
						40			

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LOG OF BORING 2
 19051 Lake Chabot Road
 Castro Valley, California

PLA

FORMERLY B-9
 Log of Boring 3

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment
						0	Portable Powered Auger
						5	Elevation 212 Date 9/26/88
			13			10	
			9			15	
			4			20	
			4			21.5	

A.C.
 YELLOW-BROWN GRAVELLY CLAYEY SAND (SC), moist, loose, (FILL)
 BROWN SANDY CLAY (CL), moist, soft, (FILL)
 MOTTLED ORANGE, YELLOW-BROWN SANDY CLAY (CL), moist, stiff, (ALLUVIUM)
 MOTTLED YELLOW-BROWN, GRAY-BROWN SANDY CLAY (CL), moist, stiff, (ALLUVIUM)
 grades to saturated
 GRAY-BROWN CLAYEY SAND (SC), saturated, loose, (ALLUVIUM)
 grades to coarse sand
 Test Boring Terminated at 21.5 feet

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LOG OF BORING 3
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
5

3

Water and Soil Sampling During Construction

<u>Sample Description</u>	<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
Water Sample at Bottom of Pit	Petroleum Hydrocarbons	0.05	52	ppm
	Benzene	0.5	750	ppb
	Ethylbenzene	0.6	ND	ppb
	Toluene	0.5	520	ppb
	Xylenes, total	0.6	3100	ppb
	Soil Samples at Bottom of Pit	Petroleum Hydrocarbons	10	84
Benzene		2.5	ND	ppb
Ethylbenzene		3.0	ND	ppb
Toluene		2.5	ND	ppb
Xylenes, total		3.0	8400	ppb
Soil Sample of Stockpile		Petroleum Hydrocarbons	10	ND
	Benzene	2.5	ND	ppb
	Ethylbenzene	3.0	ND	ppb
	Toluene	2.5	ND	ppb
	Xylenes, total	3.0	ND	ppb

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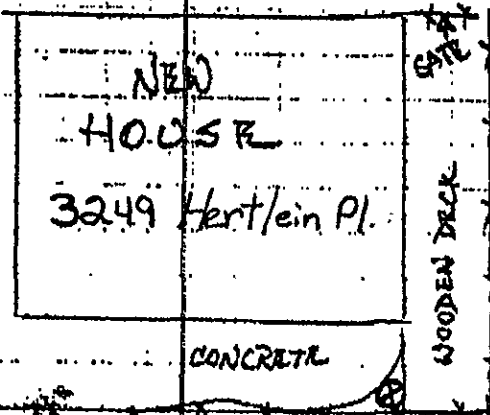
CHEMICAL TESTING
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
10

4

John Horn Properties
19101 - 19051 Lake Chabot Rd
Castro Valley, CA

ROADWAY



EMPTY LOT

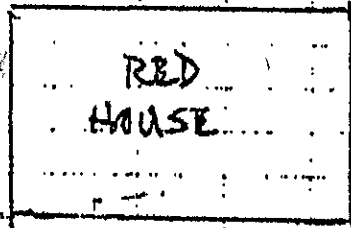
MW-4

PURGE WATER DRUMS

CONCRETE

MW-1

MW-2



CONCRETE DRAINAGE DITCHES

MW-3

GARAGE

OLD HOUSE

WATER


LAKE CHABOT RD

ROADWAY

Soil Sample Analysis, Gasoline, BTX & E

<u>Sample Location</u>	<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
B-1 @ 6-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	6.6	ppb
	Xylenes, total	2.5	4.0	ppb
B-1 @ 11.5-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	5.0	ppb
	Xylenes, total	2.5	ND	ppb
B-1 @ 16-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	3.3	ppb
	Xylenes, total	2.5	ND	ppb
B-1 @ 18.5-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	4.9	ppb
	Ethylbenzene	2.5	5.2	ppb
	Toluene	2.5	90.	ppb
	Xylenes, total	2.5	52.	ppb
B-2 @ 6-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	1.7	ppb
	Xylenes, total	2.5	1.1	ppb
B-2 @ 11-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	2.5	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	7.3	ppb
	Xylenes, total	2.5	6.7	ppb
B-2 @ 16-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	ND	ppb
	Ethylbenzene	2.5	ND	ppb
	Toluene	2.5	4.9	ppb
	Xylenes, total	2.5	7.1	ppb
B-2 @ 19.5-Feet 2/14/90	Gasoline	1	ND	ppm
	Benzene	2.5	7.7	ppb
	Ethylbenzene	2.5	5.1	ppb
	Toluene	2.5	55.	ppb
	Xylenes, total	2.5	34.	ppb

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 & ASSOCIATES, INC.
 Geotechnical Consultants

Job No: 650.1
 Appr: 
 Date: 9/90

CHEMICAL TESTING
 19051 Lake Chabot Road
 Castro Valley, California

PLATE
13

Log of Boring 1

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psf)	Blows/foot *	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment	
							B' Hollow Stem Auger	
							Elevation	Date
						0		2/14/90
						3		
Chem. Analysis			21			6		
						9		
Chem. Analysis			19			12		
						15		
Chem. Analysis			7			18		
Chem. Analysis			27/5'			21		
						24		

BLACK SANDY SILTY CLAY (CH),
very stiff, wet, (ALLUVIUM)

MOTTLED ORANGE-BROWN, GRAY SANDY CLAY (CL)
moist, very stiff, (ALLUVIUM)

MOTTLED OLIVE BROWN-GRAY SANDY CLAY (CL),
wet, very stiff, (ALLUVIUM)

Water Level (2/14/90)

GRAY BROWN SANDY CLAY (CL), medium stiff,
saturated, (ALLUVIUM)

GRAY SHALE, moderately strong, friable,
moderately weathered, highly fractured,
highly sheared, (BEDROCK)

Test boring terminated at 19.3 feet.

*Values converted to Standard Penetration Resistance.

**Elevations referenced from Grading Plan
by Raymond F. Greenwood, dated 6/28/88.

Top of casing elevation: 211.11

JCH
JOHN C. HOM
& ASSOCIATES, INC.
Geotechnical Consultants

Job No:
650.1
Appr:
JCH
Date:
9/90

LOG OF BORING 1 MW2 (?)
19051 Lake Chabot Road
Castro Valley, California

PLATE
11

Log of Boring 2

Laboratory Tests	Drill Rate (min/ft)	Drill Pressure (psi)	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft) Sample	Equipment	Elevation	Date
						0	8" Hollow Stem Auger	212	2/14/90
						3			
Chem. Analysis			21			6			
						9			
Chem. Analysis			5			12			
						15			
Chem. Analysis			12			18			
Chem. Analysis			27/3"			21			

BROWN, ORANGE-BROWN-GRAY GRAVELLY CLAYEY SAND (SC), moist, medium dense, (FILL)

DARK GRAY, YELLOW-BROWN-OLIVE SANDY GRAVELLY CLAY (CL), wet, stiff to medium stiff, (FILL)

Water Level (2/14/90)

GRAY SHALE, friable, slightly hard, highly weathered, highly sheared, highly fractured, (BEDROCK)

Test boring terminated at 19.9 feet
Top of casing elevation: 218.93

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Job No: 650.1
Appr: *[Signature]*
Date: 9/90

LOG OF BORING 2 *MW-1(?)*
19051 Lake Chabot Road
Castro Valley, California

PLATE
12

Former Herlein Property located at 19051 Lake Chabot Rd., Castro Valley

HISTORICAL MONITORING WELL DATA in ppb

(see also blue print/site map labeled as Plate 1 from report dated 8/24/94)

MW-1

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	14.23	300	24	3	9.1	34
3/92			300	43	9.2	11	34
11/91		14.29	290	16	ND	1.6	15
8/91		14.03	420	32	14	3.6	29
5/91		13.84	520	23	ND	ND	19
2/91		14.53	460	12	7.9	ND	20
10/90		14.45	ND	ND	ND	ND	ND
*9/88			52,000	420	440	610	3,300

*Original MW-1 was destroyed during overexcavation/construction activities in 2/89.

MW-2

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	7.92	ND	ND	ND	ND	ND
3/92			ND	ND	ND	ND	ND
11/91		7.85	ND	ND	ND	ND	ND
8/91		7.86	ND	ND	ND	ND	ND
5/91		7.74	50	ND	ND	ND	ND
2/91		7.85	ND	ND	ND	ND	ND
10/90		7.96	ND	0.8	ND	1.1	2.1

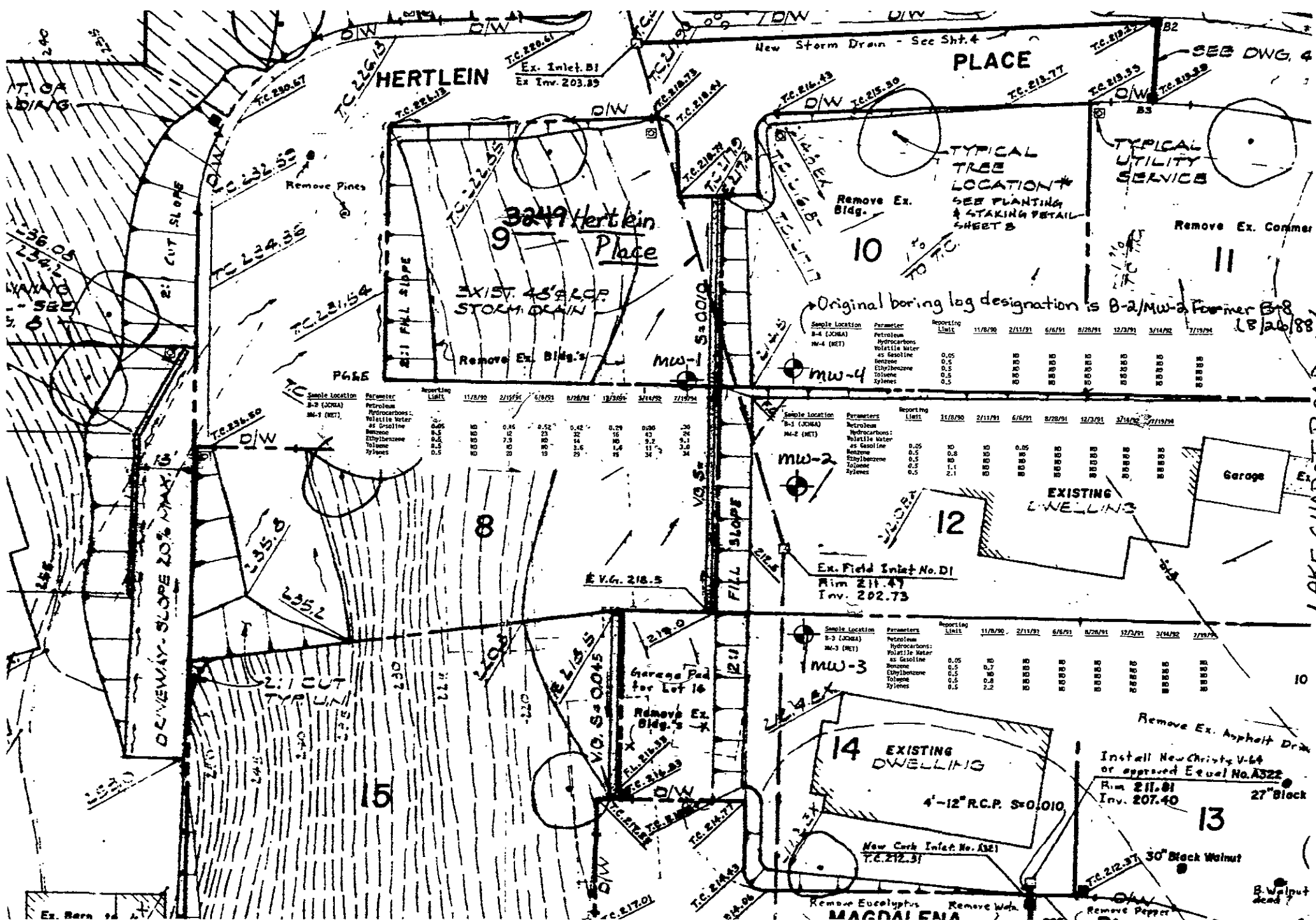
MW-3

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	8.62	ND	ND	ND	ND	ND
3/92			ND	ND	ND	ND	ND
11/91		8.57	ND	ND	ND	ND	ND
8/91		8.60	ND	ND	ND	ND	ND
5/91		8.55	ND	ND	ND	ND	ND
2/91		8.61	ND	ND	ND	ND	ND
10/90		8.74	ND	0.7	ND	0.8	2.2
9/88			ND	ND	ND	ND	ND

MW-4

<u>Date</u>	<u>Gradient</u>	<u>dtw</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
7/94	SE	11.19	ND	ND	ND	ND	ND
3/92			ND	ND	ND	ND	ND
11/91		11.29	ND	ND	ND	ND	ND
8/91		11.18	ND	ND	ND	ND	ND
5/91		11.30	ND	ND	ND	ND	ND
2/91		11.38	ND	ND	ND	ND	ND
*9/88			ND	1.1	ND	ND	1.9

*This well was identified as MW-2 prior to 1990.

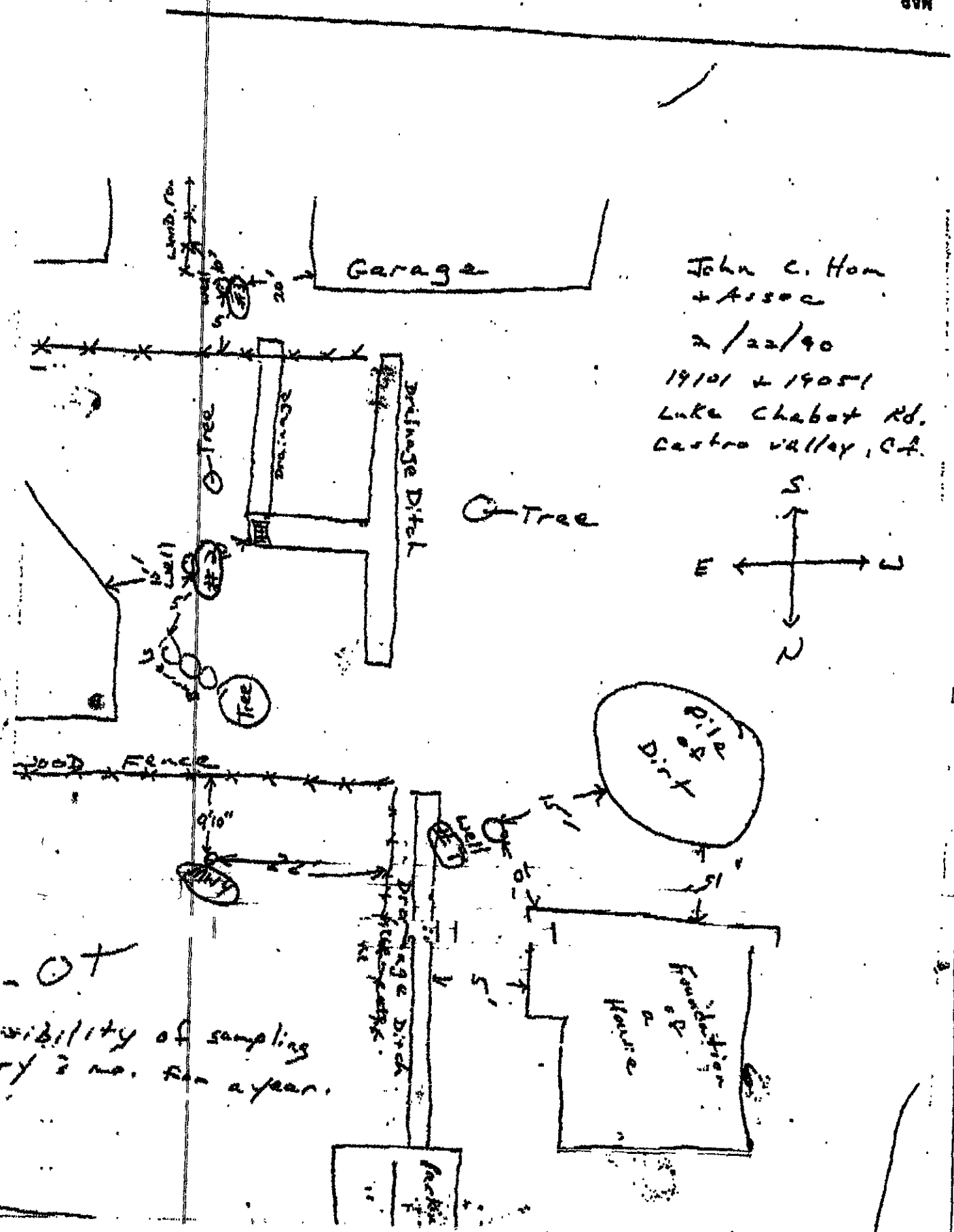


30 ft

Existing Monitoring Wells (with current well designation numbers)



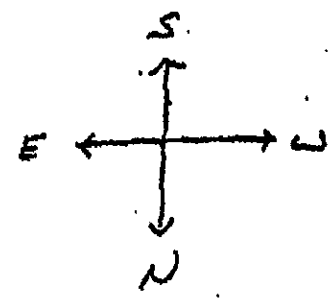
Note: Red dots of data submitted in "Report of Env Services" dated 9/16/94. Data #1



John C. Hom
+ Assoc

2/22/90

19101 + 19051
Lake Chabot Rd.
Castro valley, CA.



OT
visibility of sampling
of 2 no. for a year.

RE: John Horn Properties - Castro Vly

Person requesting maps to verify monitoring well identification:

Scott Seery
Alameda Co. Ravira Health Dept.
50 Swan Way, Room 200
Oakland, CA 94566

510/271-4320 (212) 569 4757 fax

The south-oriented map (dated 2-22-90) is where I obtained the monitoring well designations I've been using.

I prepared the north-oriented map

Mike D.

Post-it™ brand fax transmittal memo 7871 # of pages 3

To	Scott Seery	From	Linda
Co.	ACSHD	Co.	NE-T
Dept.		Phone #	
Fax #	6119192	Fax #	1000