



**WESTERN
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TOTAL PAGES
INCLUDING THIS PAGE

10

Jennifer -

Hope this will be some help.
we should have the final report
completed soon - The report will include maps
showing estimates of lateral extent.
David T.

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TABLE 1
CERTIFIED ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES
DESERT PETROLEUM STATION #793, SEWER LATERAL INVESTIGATION
OAKLAND, CA

SAMPLE ID	DATE SAMPLED	SAMPLED BY	DEPTH BGS (FEET)	TPH GASOLINE (MG/KG)	BENZENE (MG/KG)	TOLUENE (MG/KG)	E. BENZENE (MG/KG)	XYLENES (MG/KG)
BH1-5'	05/01/96	WEGE	5.00	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH1-10'	05/01/96	WEGE	10.00	< 0.2	< 0.005	0.16	0.22	0.71
BH2-5.5'	05/02/96	WEGE	5.50	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH3-5'	05/02/96	WEGE	5.00	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH3-8.5'	05/02/96	WEGE	8.50	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH3-10.5'	05/02/96	WEGE	10.50	< 0.2	0.009	< 0.005	< 0.005	0.021
BH4-6.5'	05/02/96	WEGE	6.50	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH4-8.5'	05/02/96	WEGE	8.50	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH5-5'	05/02/96	WEGE	5.00	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005
BH5-6.5'	05/02/96	WEGE	6.50	< 0.2	< 0.005	< 0.005	< 0.005	< 0.005

TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, ANALYZED BY EPA METHOD 5030/GCFID
BTEX ANALYZED BY EPA METHOD 8020

< LESS THAN SYMBOL INDICATES THAT CONCENTRATIONS ARE BELOW STATED LABORATORY DETECTION LIMITS

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TABLE 2
CERTIFIED ANALYTICAL RESULTS FROM [REDACTED] SAMPLES
DESERT PETROLEUM STATION #793, SEWER LATERAL INVESTIGATION
OAKLAND, CA

SAMPLE ID	DATE SAMPLED	SAMPLED BY	TPH GASOLINE (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	E. BENZENE (UG/L)	KYLENES (UG/L)
BH1-WATER	05/01/96	WEGE	150000	[REDACTED]	28000	3300	13000
BH2-WATER	05/02/96	WEGE	< 50	[REDACTED]	2	< 0.5	< 2
BH3-WATER	05/02/96	WEGE	[REDACTED]	[REDACTED]	1800	1500	7100
BH5-WATER	05/02/96	WEGE	[REDACTED]	[REDACTED]	< 0.5	< 0.5	< 2

TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, ANALYZED BY EPA METHOD 5030/GCFID
BTEX ANALYZED BY EPA METHOD #020

< LESS THAN SYMBOL INDICATES THAT CONCENTRATIONS ARE BELOW STATED LABORATORY DETECTIO

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TABLE 3
UNCERTIFIED WEGE LABORATORY RESULTS FROM SOIL AND WATER SAMPLES
DESERT PETROLEUM STATION #793, SEWER LATERAL INVESTIGATION
4035 PARK BOULEVARD, OAKLAND, CA

SAMPLE LOCATION	DEPTH (FEET)	TFH	BENZENE	TOLUENE (PPM)	ETHYLE (PPM)	XYLENES (PPM)
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WEGE lab

SAMPLES FROM HAND AUGERED SOIL BORINGS

BH1 PURGE		45.065	24.156	14.601	2.180	16.025
BH1 SAMP		51.267	39.003	22.021	2.912	18.814
BH2		0.078	<0.001	<0.001	<0.002	<0.007
BH2 SAMP		0.053	<0.001	<0.001	<0.002	<0.007
BH3 SAMP		5.000	1.361	0.580	0.524	4.505
BH5 SAMP		0.198	0.237	<0.001	<0.002	<0.007

WATER SAMPLES FROM SP6 TEST HOLES

TP2		0.128	<0.001	<0.001	<0.002	<0.007
TP3		0.031	<0.001	<0.001	<0.002	<0.007
TP4		26.280	0.993	0.390	4.231	
TP5		0.043	<0.001	<0.001	<0.002	<0.007
TP6		0.396	<0.001	<0.001	<0.002	<0.007
TP8		0.191	0.019	<0.002	<0.007	
TP9		30.064	23.820	1.084	9.707	
TP14		46.495	2.514	1.503	11.681	
TP15		3.333	0.835	0.190	1.846	
TP16		0.339	<0.001	<0.002	<0.007	
TP18		0.105	<0.001	<0.002	<0.007	

SAMPLES FROM HAND AUGERED SOIL BORINGS

BH1-10	10	80.827	5.418	1.271	7.099	
BH2-5	5.5	<0.05	<0.001	<0.002	<0.003	<0.009
BH3	8.5	2.275	<0.006	<0.008	<0.025	
BH3	10.5	4.572	<0.008	<0.011	0.207	
BH5	6.5	0.944	<0.005	<0.008	<0.010	<0.030

SAMPLES FROM SP6 TEST HOLES

TP1	4.5	2.049	<0.014	<0.018	<0.057	
TP1	6.5	0.306	<0.002	<0.004	<0.005	<0.015
TP1	8.5	0.369	<0.004	<0.007	<0.009	<0.026
TP1	9.25	0.860	<0.005	<0.006	<0.018	
TP2	4.5	0.378	<0.003	<0.004	<0.006	<0.017
TP2	6.5	0.955	<0.003	<0.005	<0.007	<0.002
TP3	4.5	0.202	<0.004	<0.004	<0.005	<0.017
TP3	9	0.918	<0.011	<0.018	<0.023	<0.069
TP4	4.5	0.500	<0.005	<0.006	<0.019	

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TABLE 3

UNCERTIFIED WEGE LABORATORY RESULTS FROM SOIL AND WATER SAMPLES
DESERT PETROLEUM STATION #793, SEWER LATERAL INVESTIGATION
4035 PARK BOULEVARD, OAKLAND, CA

SAMPLE LOCATION	DEPTH (FEET)	TFH (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLE (PPM)	XYLENES (PPM)
TP4	6.5	2.621	[REDACTED]	<0.006	<0.008	<0.024
TP4	8.5	25.117	[REDACTED]	0.918	0.358	3.320
TP5	5	0.370	<0.003	<0.005	<0.007	<0.021
TP5	6	0.225	<0.004	<0.007	<0.009	<0.027
TP5	8.25	1.454	[REDACTED]	0.113	<0.008	<0.025
TP6	8.5	13.060	[REDACTED]	0.032	<0.007	0.499
TP7	7	0.335	<0.005	<0.008	<0.010	<0.030
TP8	8.5	133.276	[REDACTED]	3.524	2.117	9.964
TP9	4.5	61.381	[REDACTED]	1.253	0.609	2.388
TP9	6.5	94.504	[REDACTED]	5.194	0.881	8.652
TP9	8.6	1394.525	[REDACTED]	98.261	15.274	129.890
TP10	8.5	6.886	0.318	0.230	<0.008	0.214
TP11	6.5	41.374	0.311	0.040	<0.013	<0.041
TP11	8	1.728	0.004	0.024	<0.008	<0.024
TP12	8.25	0.364	<0.003	<0.005	<0.006	<0.020
TP13	9	0.471	<0.004	<0.007	<0.009	<0.026
TP14	7	17.090	[REDACTED]	<0.005	<0.007	<0.020
TP14	10	885.232	[REDACTED]	3.656	10.144	88.611
TP15	9	182.649	[REDACTED]	10.195	4.001	31.842
TP16	8.5	1.040	[REDACTED]	<0.007	<0.008	<0.026
TP17	8.5	0.363	[REDACTED]	<0.006	<0.008	0.024
TP18	6.5	1.782	[REDACTED]	<0.008	<0.010	0.149
TP19	8	0.851	[REDACTED]	<0.008	<0.010	<0.031
TP20	7.5	0.567	[REDACTED]	<0.006	<0.008	<0.024
TP21	8.25	0.883	[REDACTED]	<0.006	<0.007	<0.02233
RESULTS FROM PID						
TP2	7	1.902				
TP3	6.5	1.329				
TP6	4.5	1.037				

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TABLE 3

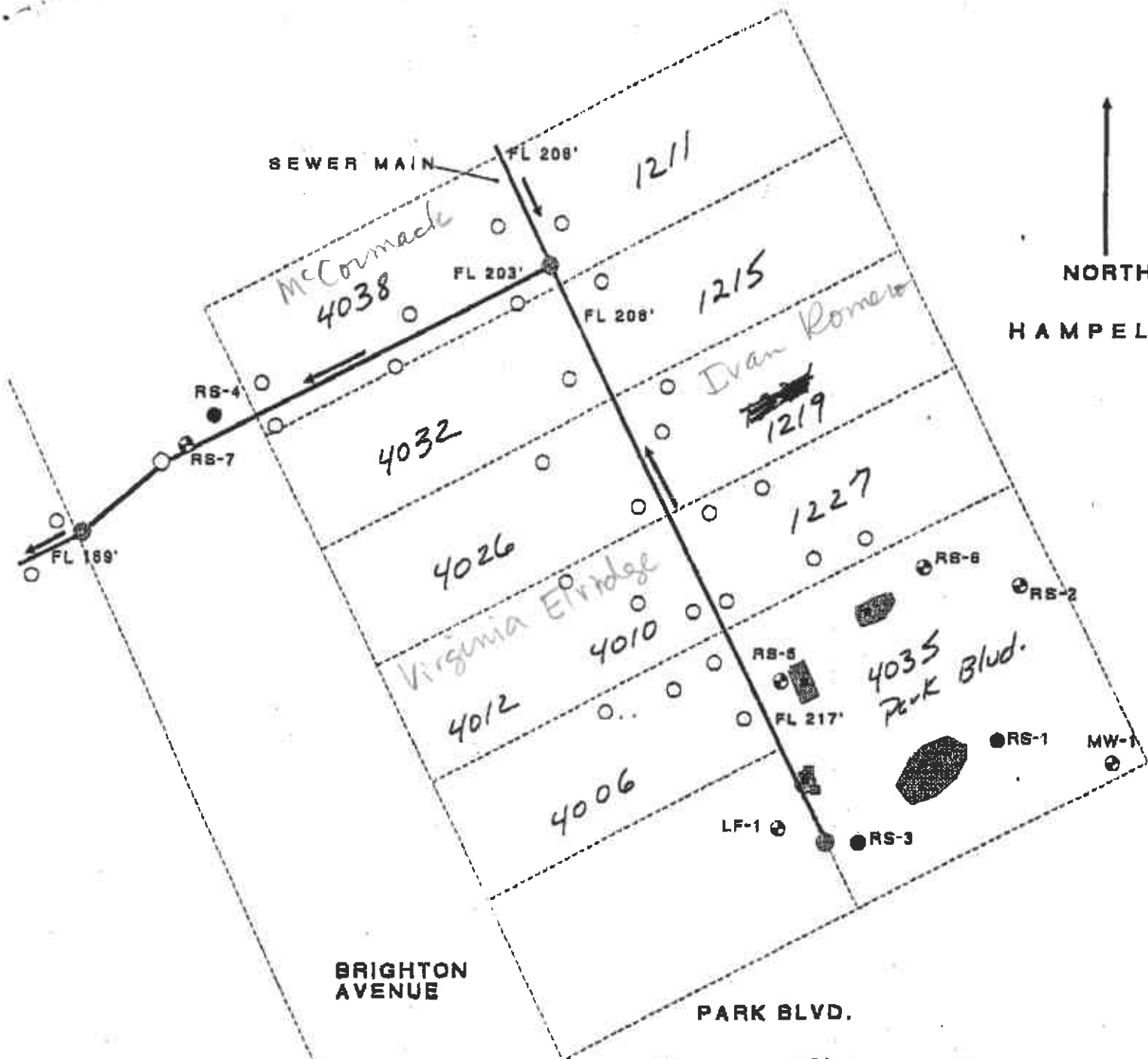
UNCERTIFIED NEGE LABORATORY RESULTS FROM SOIL AND WATER SAMPLES
DESERT PETROLEUM STATION #793, SEWER LATERAL INVESTIGATION
4035 PARK BOULEVARD, OAKLAND, CA







SAMPLE LOCATION	DEPTH (FEET)	TFH (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLE (PPM)	KYLENES (PPM)
TP6	7	3.262				
TP6	6.5	24.594				
BH1	5	<0.43				
TP7	4.5	1.313				
TP8	4.5	0.802				
TP8	7	<0.35				
TP10	4.5	<0.3				
TP11	4.5	<0.4				
TP11	6.5	21.108				
TP12	4.5	<0.4				
TP13	4.5	<0.4				
TP13	6.5	0.659				
TP14	4.5	0.588				
TP14	6.5	35.769				
TP15	4.5	1.365				
TP15	6.5	<0.33				
TP16	4.5	<0.30				
TP26	6.5	<0.32				
BH3	6.5	4.759				
BH3	10.5	10.082				
BH4	8.5	<0.25				
BH5	2.5	<0.16				
BH5	8.5	<0.47				

TFH = TOTAL FUEL HYDROCARBONS (GASOLINE RANGE)

PPM = MILLIGRAMS/KILOGRAM (SOIL) = MILLIGRAMS/LITER (WATER)

ETHYLE = ETHYLBENZENE



-  INJECTION/RECOVERY TRENCHES.
-  FL 217' FLOW LEVEL OF SEWER
-  SEWER MANHOLE
-  RS-4 DESTROYED WELLS.
-  MW-1 MONITOR WELL LOCATION WITH ID#
-  PROJECTED SPS SAMPLE POINTS.



SCALE: 1" = 50'.

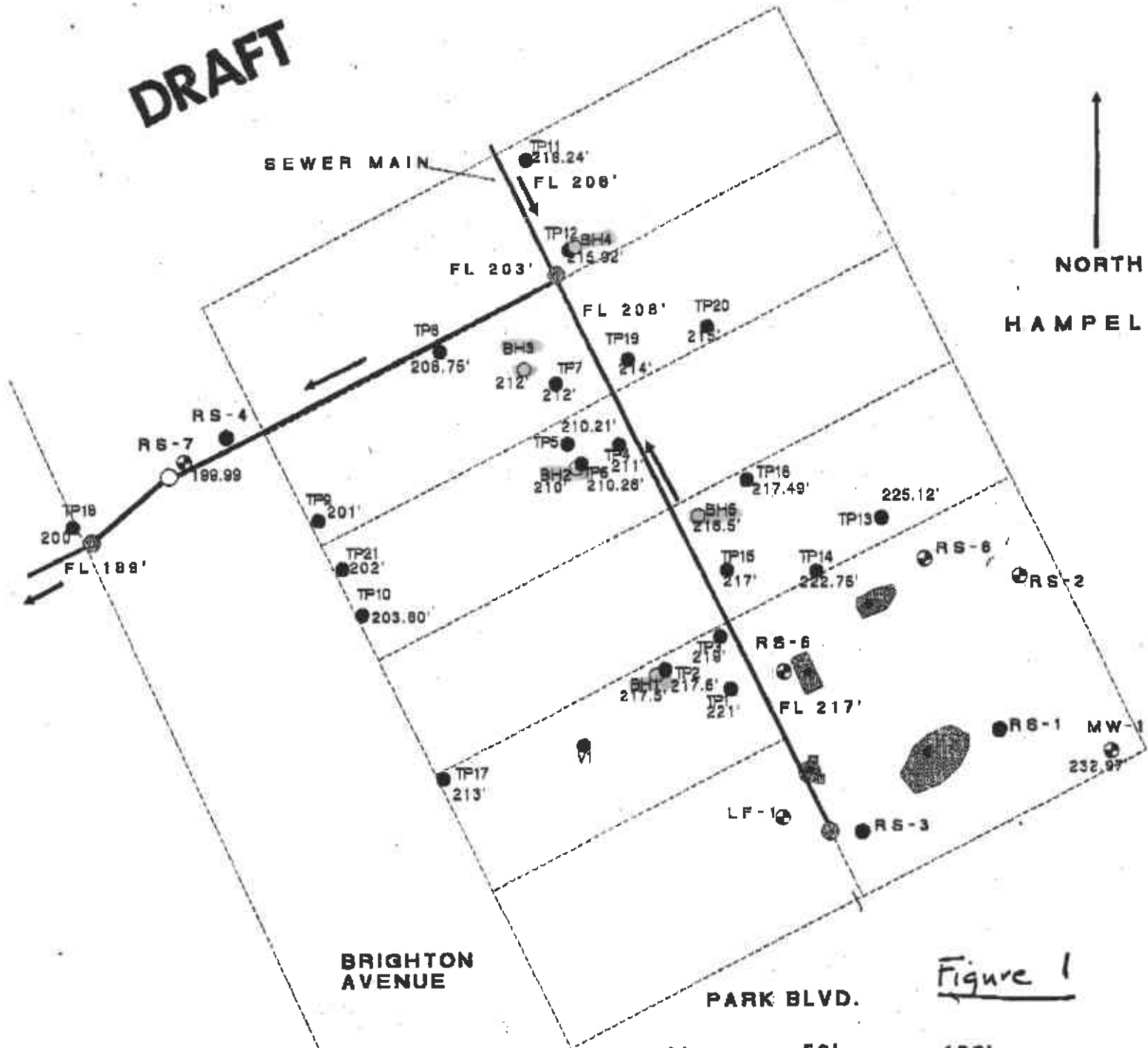
DESERT PETROLEUM STATION #793
4035 PARK BLVD.
OAKLAND, CALIFORNIA 94602







**SEWER LATERAL
INVESTIGATION
MARCH 19, 1996**

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HAMPEL



-  INJECTION/RECOVERY TRENCHES.
- FL 217' FLOW LEVEL OF SEWER
-  SEWER MANHOLE
- MW-1  MONITOR WELL LOCATION WITH ID*
- TP1  SOIL PROBE SURVEY TEST PROBE LOCATIONS FROM MAY 1, 2, 7, 1996
- BH1  HAND AUGERED BOREHOLES, DRILLED MAY 1&2, 1996
- V1  VAPOR TEST HOLE LOCATION FROM SOIL PROBE SURVEY

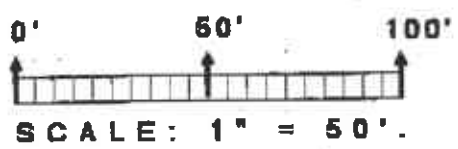


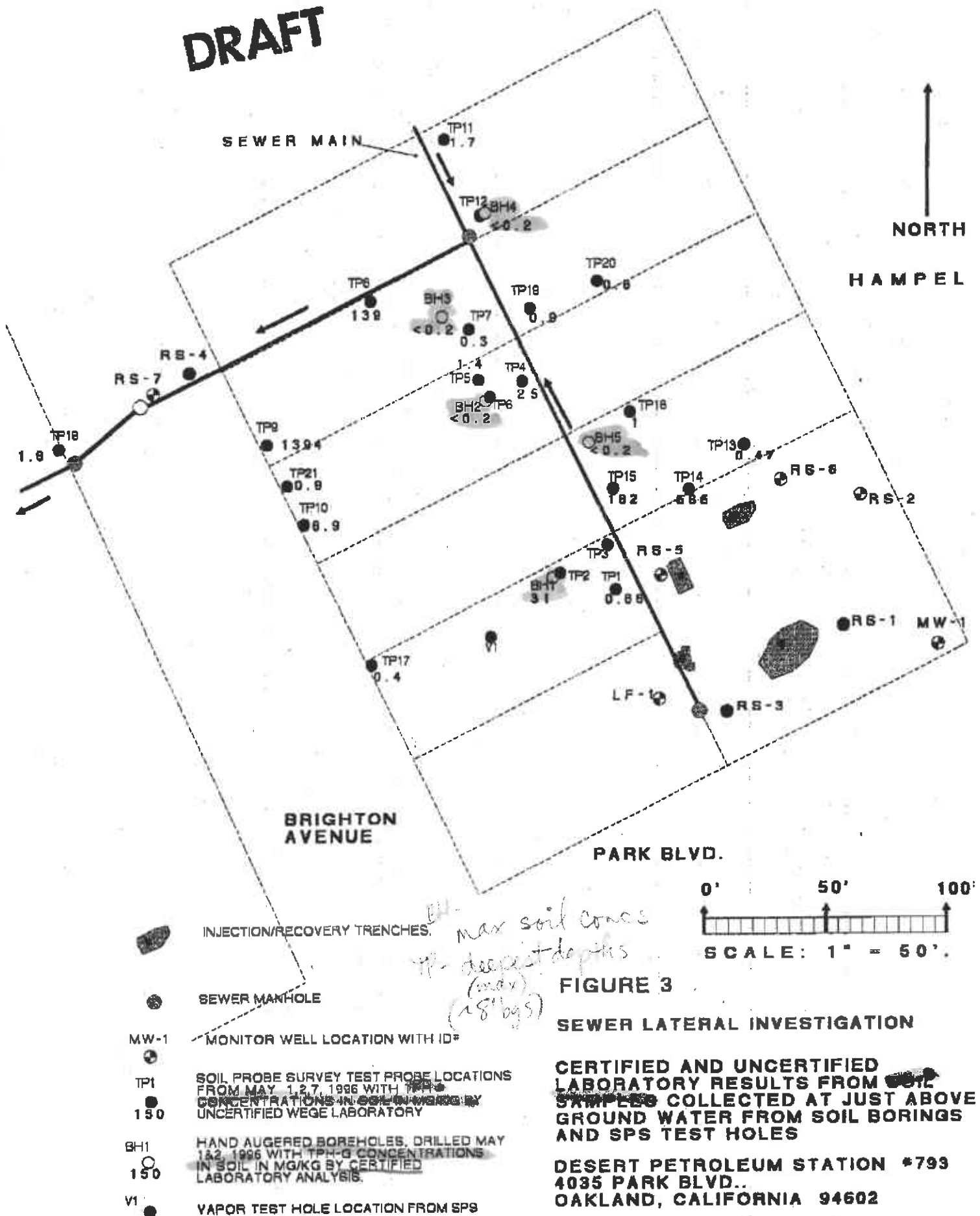
Figure 1

**DESERT PETROLEUM STATION #793
4035 PARK BLVD..
OAKLAND, CALIFORNIA 94602**

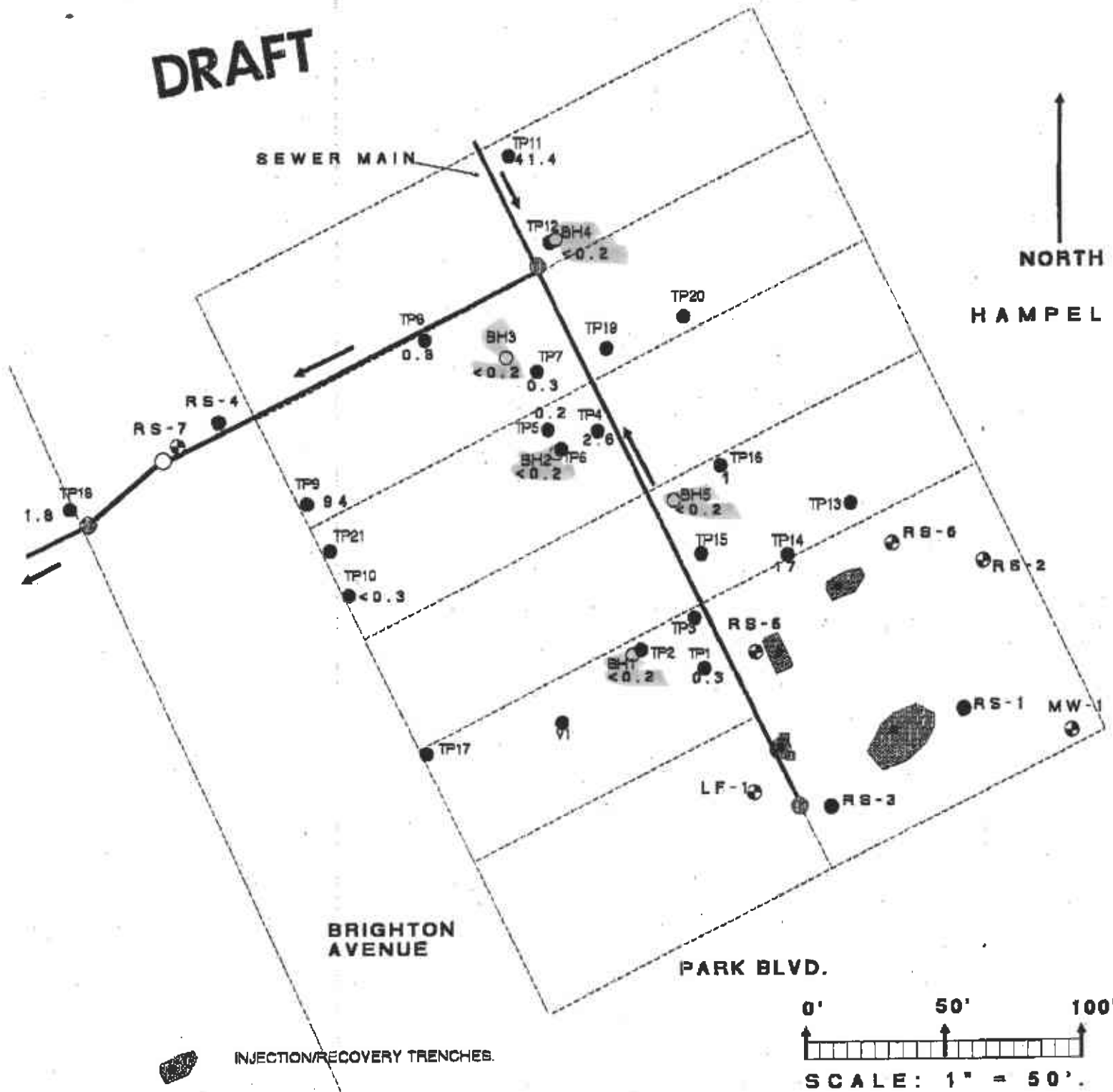
**SOIL PROBE SURVEY AND
BOLEHOLE SAMPLE LOCATIONS
WITH GROUND SURFACE
ELEVATIONS IN FEET AMSL.**

ELEVATIONS SURVEYED TO A KNOWN DATUM POINT BY ROD AND TRANSIT ARE RECORDED IN 0.01 FEET ABOVE MEAN SEA LEVEL. ALL OTHER ELEVATIONS WERE MEASURED FROM SURVEYED DATUM POINTS WITH AN ENGINEERING HAND LEVEL.

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- INJECTION/RECOVERY TRENCHES.
- SEWER MANHOLE
- MW-1 MONITOR WELL LOCATION WITH ID#
- TP1 SOIL PROBE SURVEY TEST PROBE LOCATIONS FROM MAY 1, 2, 7, 1996 WITH TPA CONCENTRATIONS IN SOIL IN MG/KG BY UNCERTIFIED WEGE LABORATORY
- 150
- BH1 HAND AUGERED BOREHOLES, DRILLED MAY 1&2, 1996 WITH TPA CONCENTRATIONS IN SOIL IN MG/KG BY CERTIFIED LABORATORY ANALYSIS.
- 150
- V1 VAPOR TEST HOLE LOCATION FROM SPS

FIGURE 4
SEWER LATERAL INVESTIGATION

CERTIFIED AND UNCERTIFIED LABORATORY RESULTS FROM SHALLOW SOIL SAMPLES (6' DEPTH INTERVAL) COLLECTED FROM SOIL BORINGS AND SPS TEST HOLES

DESERT PETROLEUM STATION #793
4035 PARK BLVD.,
OAKLAND, CALIFORNIA 94602