

American National
Can Company (ANCC)
Site

MW-2 (3)		
Date	7/26/95	6/24/96
TPHd	22,000	12,000
TPHg	3,600	2,700
Benzene	36	19
Toluene	37	<10
Ethyl Benzene	130	170
Total Xylenes	660	340

MW-1 (3)		
Date	7/26/95	6/24/96
TPHd	29,000	39,000
TPHg	11,000	7,800
Benzene	630	530
Toluene	1,300	1,000
Ethyl Benzene	140	130
Total Xylenes	870	860

MW-4 (3)		
Date	7/26/95	6/24/96
TPHd	24,000	850,000
TPHg	1,400	5,500
Benzene	64	140
Toluene	12	13
Ethyl Benzene	28	87
Total Xylenes	49	150

MW-3 (3)		
Date	7/26/95	6/24/96
TPHd	5,600	4,900
TPHg	200	57
Benzene	6.2	6.3
Toluene	<0.5	<0.5
Ethyl Benzene	<0.5	<0.5
Total Xylenes	<0.5	<0.5

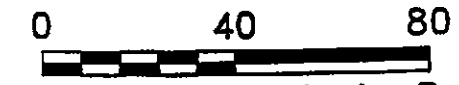
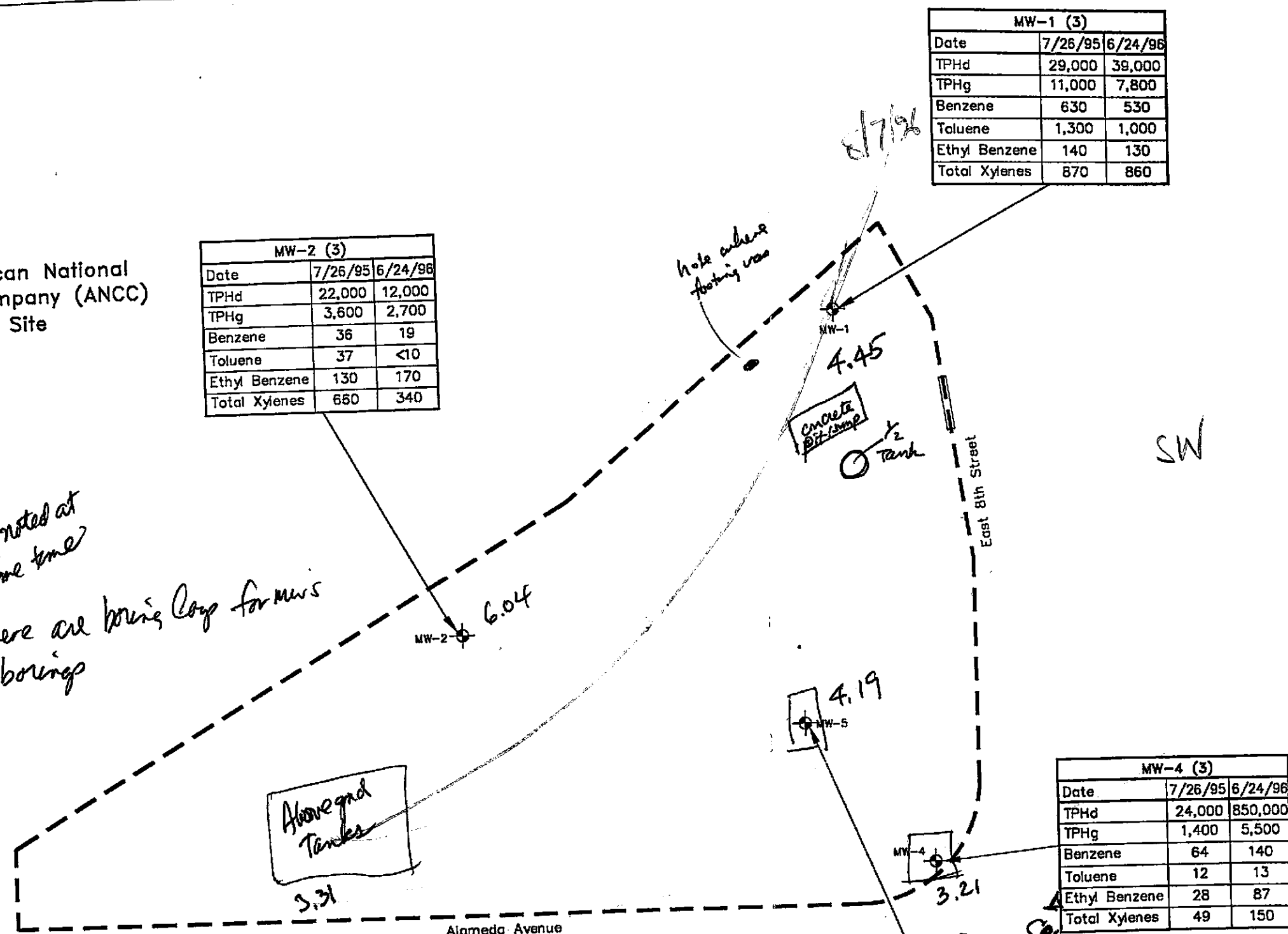
MW-5 (3)		
Date	7/26/95	6/24/96
TPHd	7,500	520,000
TPHg	4,800	2,000
Benzene	78	97
Toluene	160	160
Ethyl Benzene	56	48
Total Xylenes	190	150

PP noted at same time
where are borings log for mws
+ borings

Note where footing was

Concrete pit camp
1/2 Tank

Above ground Tanks



(Approximate Scale in Feet)

LEGEND

- Site Boundary
- ⊙ Monitoring Well

Abbreviations

- TPHd Total Petroleum Hydrocarbons as Diesel Fuel
- TPHmo Total Petroleum Hydrocarbons as Motor Oil
- TPHg Total Petroleum Hydrocarbons as Gasoline

Notes:

- All locations are approximate.
- Concentrations in ug/L (ppb).
- Immiscible hydrocarbons present in groundwater samples. Measured concentrations likely include quantitation of constituents in both the immiscible and soluble phases.

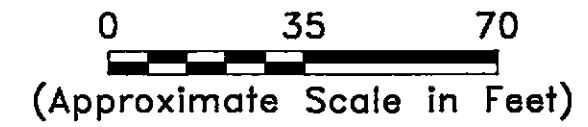
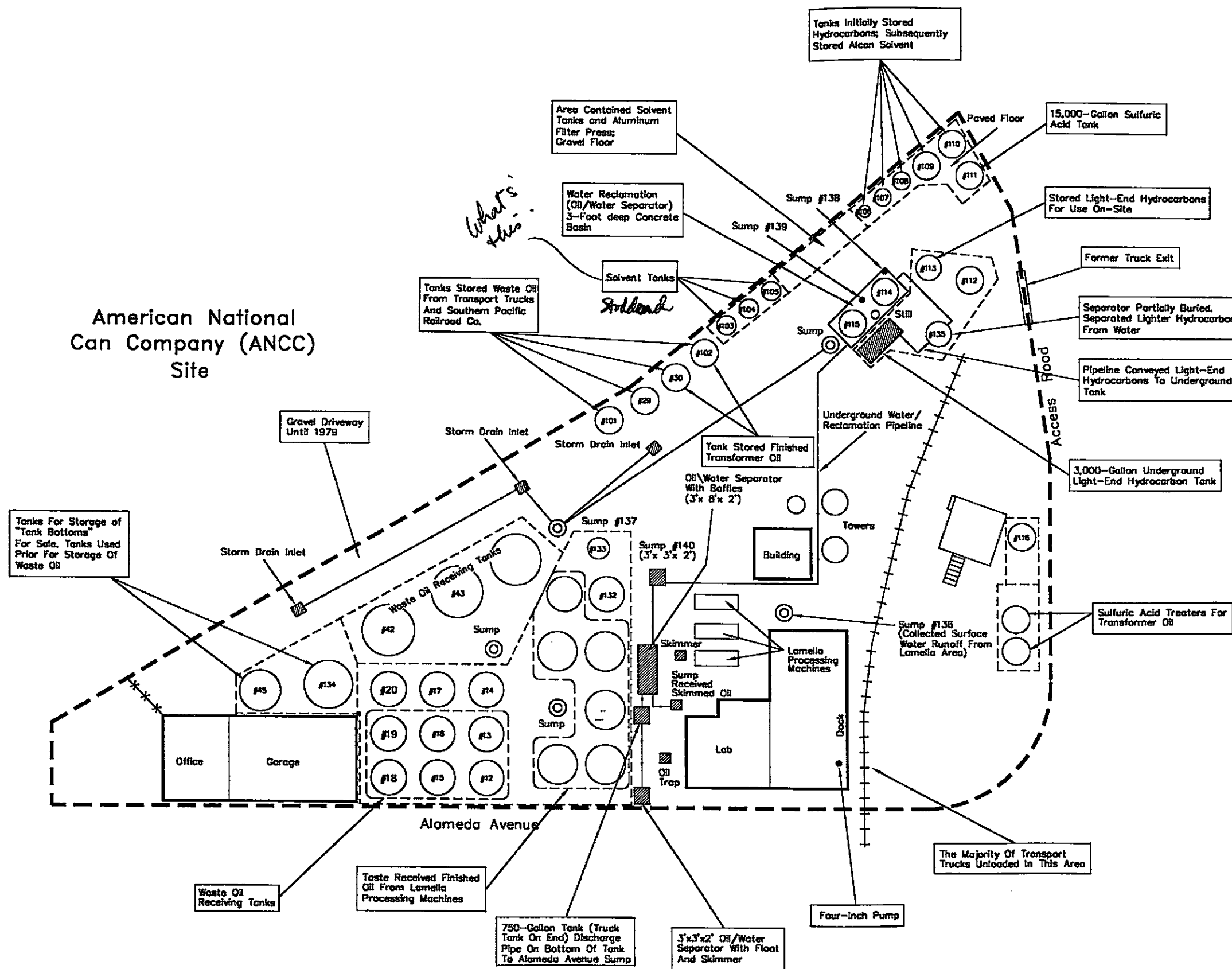
Erler & Kalinowski, Inc.

Petroleum Hydrocarbons and BTEX
in Groundwater

4200 Alameda Avenue
Oakland, CA
August 1996
EKI 930040.04

Figure 1

American National
Can Company (ANCC)
Site



LEGEND

- - - Ekotek Site Boundary
- Above Ground Storage Tank
- ⊙ Below Ground Sump
- Below Ground Concrete Sump/Tank
- - - Concrete Wall/Berm

Notes:

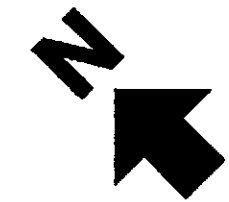
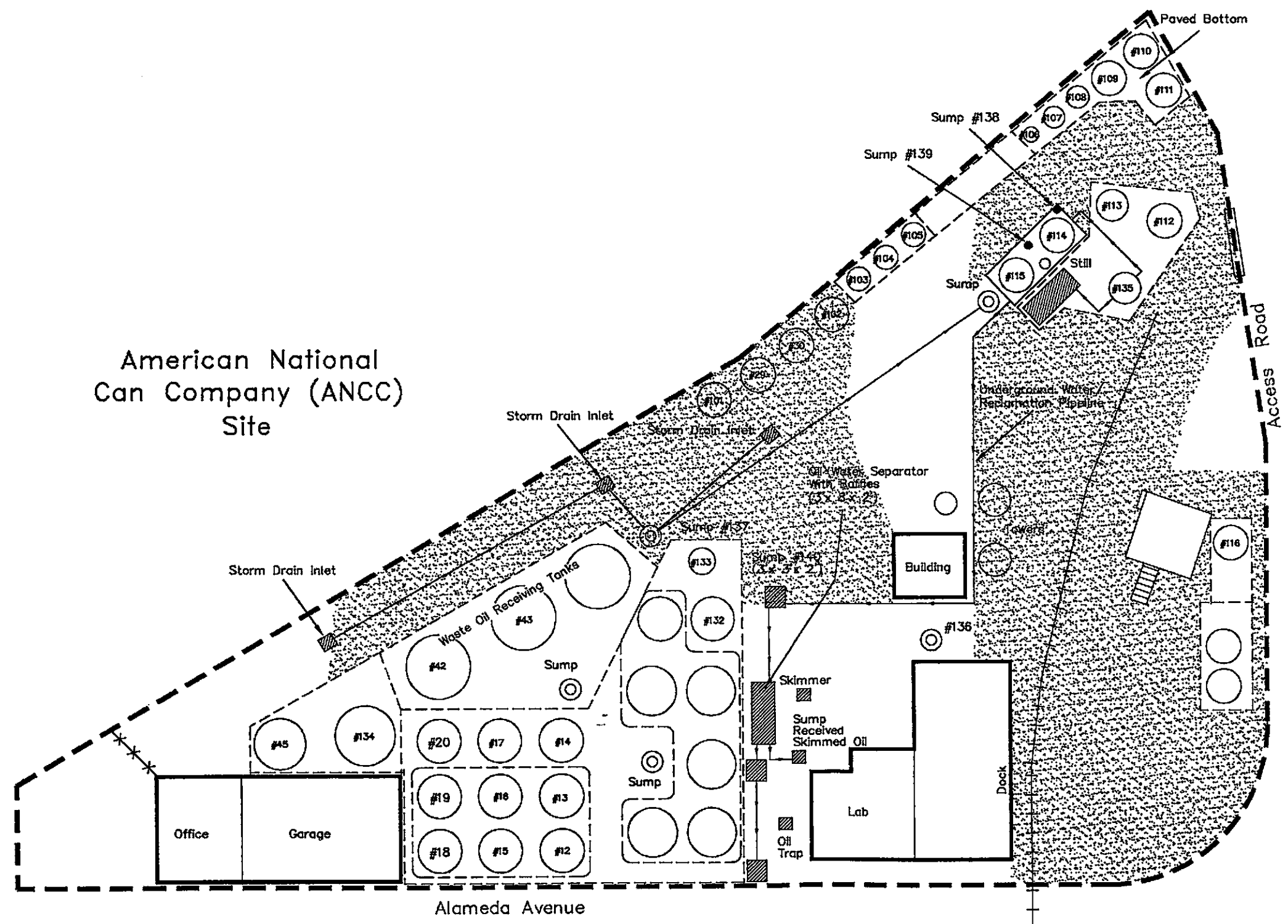
1. All locations are approximate.

**Erlar &
Kalinowski, Inc.**

Ekotek Site Plan and Historic
Site Setting (Post 1950s)

4200 Alameda Avenue
Oakland, CA
May 1995
EKI 930040.00
Figure 3

American National
Can Company (ANCC)
Site



0 30 60
 (Approximate Scale in Feet)

LEGEND

- Ekotek Site Boundary
- Above Ground Storage Tank
- ⊙ Below Ground Sump
- ▨ Below Ground Concrete Sump/Tank
- Concrete Wall/Berm
- ▨ Approximate Area of Ground Surface Staining Observed on Historical Aerial Photographs

Notes:

1. All locations are approximate.

**Erlar &
Kalinowski, Inc.**

Approximate Areas of Ground
Surface Staining Observed on
Historical Aerial Photographs
4200 Alameda Avenue
Oakland, CA
May 1995
EKI 930040.00
Figure 4

American National
Can Company (ANCC)
Site

B-2			
ft bgs	1	4.5	7.5
TPHd	5.8	1,200	90
TPHmo	33	2,300	180
TPHg	<1.0	140	28
Benzene	<0.005	<0.10	<0.05
Toluene	<0.005	0.26	0.16
Ethyl Benzene	<0.005	0.11	0.11
Total Xylenes	0.007	0.54	0.39

MW-2			
ft bgs	1.5	3	6
TPHd	10	1,100	490
TPHmo	53	2,400	920
TPHg	<1.0	290	260
Benzene	<0.005	<0.25	<0.12
Toluene	<0.005	<0.25	<0.12
Ethyl Benzene	<0.005	<0.25	1.7
Total Xylenes	<0.005	0.94	12

B-3			
ft bgs	1.5	3	8.5
TPHd	1,100	140	4,400
TPHmo	1,600	230	4,800
TPHg	4,100	950	22
Benzene	<6	<0.5	0.073
Toluene	<6	11	0.29
Ethyl Benzene	16	4.6	0.22
Total Xylenes	130	33	1.7

B-1			
ft bgs	5.5	7	9.5
TPHd	330	3,100	2,200
TPHmo	540	4,600	2,700
TPHg	60	1,200	890
Benzene	<0.05	<0.5	<0.5
Toluene	0.16	0.77	0.99
Ethyl Benzene	0.32	5.2	2.7
Total Xylenes	1.9	31	21

MW-1			
ft bgs	4	4.5	6.5
TPHd	200	310	120
TPHmo	300	460	200
TPHg	92	32	51
Benzene	<0.10	<0.05	<0.10
Toluene	<0.10	<0.05	<0.10
Ethyl Benzene	<0.10	<0.05	<0.10
Total Xylenes	0.21	0.21	0.26

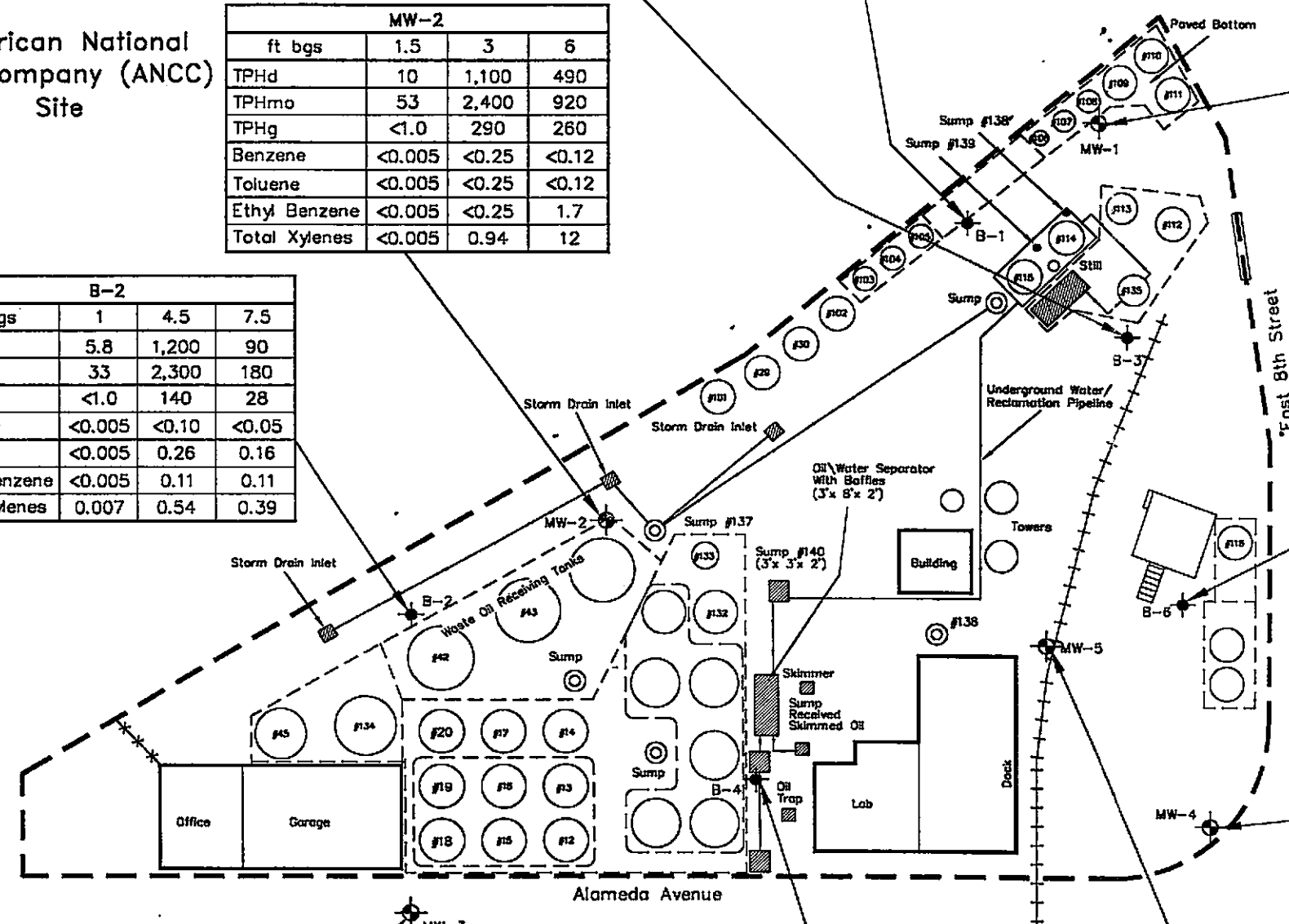
B-6			
ft bgs	1	3	7.5
TPHd	500	730	770
TPHmo	870	3,900	1,200
TPHg	49	14	530
Benzene	<0.025	0.14	<0.25
Toluene	0.049	0.29	0.28
Ethyl Benzene	0.17	0.1	0.8
Total Xylenes	0.32	0.42	3.8

MW-4			
ft bgs	2	3	8
TPHd	1,300	540	110
TPHmo	8,600	3,000	210
TPHg	<1.0	2	270
Benzene	0.018	0.058	<0.12
Toluene	0.02	0.04	0.17
Ethyl Benzene	0.0078	0.007	0.65
Total Xylenes	0.039	0.062	1.9

MW-3			
ft bgs	2	4	8
TPHd	5.9	2.1	1.5
TPHmo	21	<10	<10
TPHg	<1.0	<1.0	<1.0
Benzene	<0.005	<0.005	<0.005
Toluene	<0.005	<0.005	<0.005
Ethyl Benzene	<0.005	<0.005	<0.005
Total Xylenes	<0.005	<0.005	<0.005

B-4			
ft bgs	1	3.5	7.5
TPHd	2,000	3,500	200
TPHmo	5,400	9,000	1,000
TPHg	490	1,100	58
Benzene	<0.25	<0.5	<0.050
Toluene	0.45	<0.5	<0.050
Ethyl Benzene	1.6	5.7	0.16
Total Xylenes	7.8	11	0.75

MW-5			
ft bgs	2	3	8
TPHd	2,300	480	2,500
TPHmo	5,400	1,000	4,800
TPHg	1,600	50	100
Benzene	<0.5	<0.05	0.058
Toluene	1.3	0.13	0.12
Ethyl Benzene	5	0.11	0.29
Total Xylenes	42	0.45	1.4



0 40 80

(Approximate Scale in Feet)

LEGEND

- Site Boundary
- Above Ground Storage Tank
- ⊙ Below Ground Sump
- ▣ Below Ground Concrete Sump/Tank
- - - Concrete Wall/Berm
- ⊕ Monitoring Well
- ⊙ Soil Boring

Abbreviations

- TPHd Total Petroleum Hydrocarbons as Diesel Fuel
- TPHmo Total Petroleum Hydrocarbons as Motor Oil
- TPHg Total Petroleum Hydrocarbons as Gasoline

Notes:

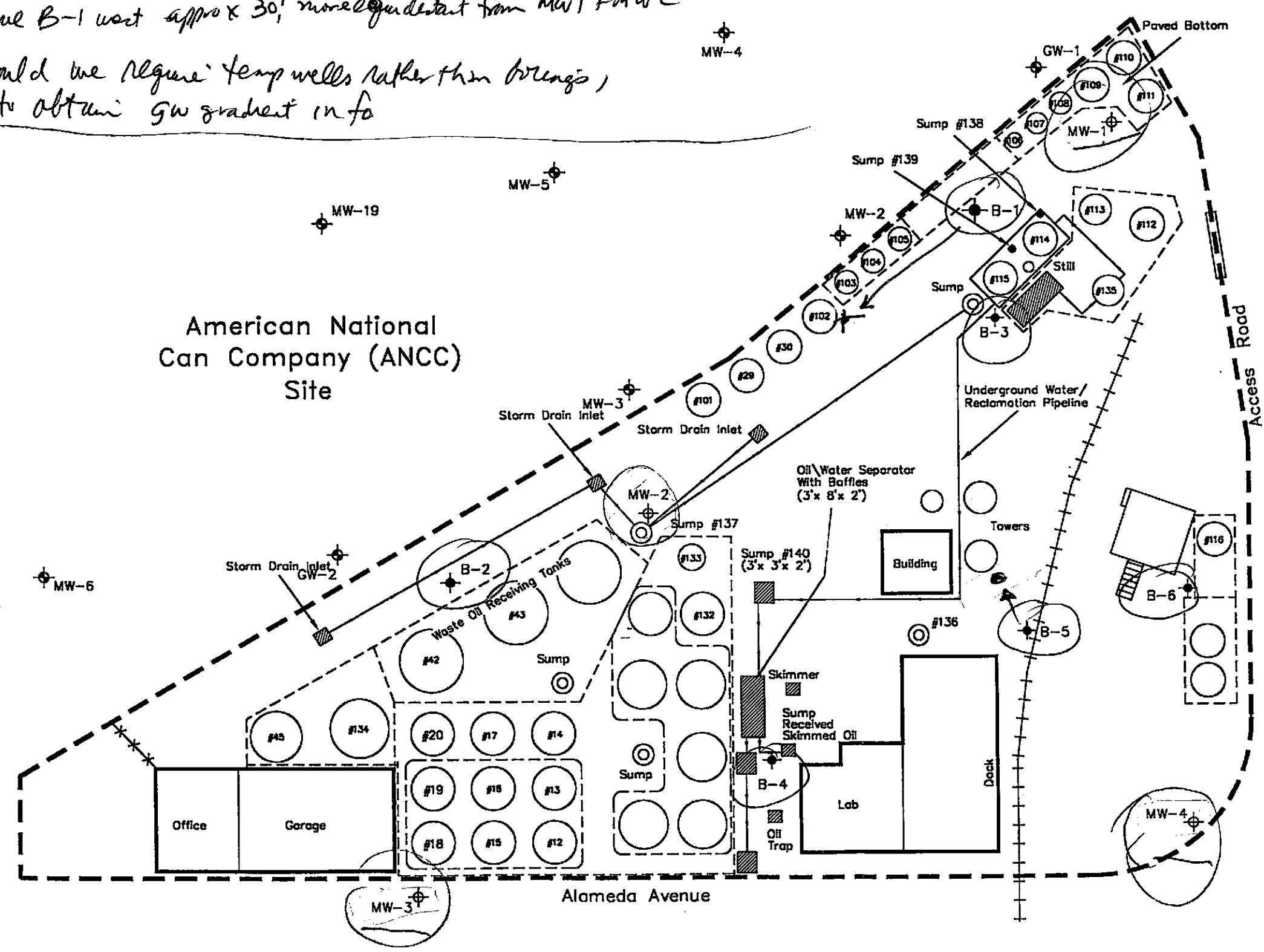
1. All locations are approximate.
2. Concentrations in mg/kg (ppm).

**Erlar &
Kalinowski, Inc.**

Petroleum Hydrocarbons and BTEX
in Soil

4200 Alameda Avenue
Oakland, CA
September 1995
EKI 930040.01
Figure 5

- Requirements for either closure or reuse of Interim TSD facilities
- Add H₂O soils from MW-1
- what's Alcan solvent? tanks (106-110)
- How about add 1 MW near towers? (center of site)
- move B-1 west approx 30', more dependent from MW1 + MW2
- Could we require temp wells rather than borings, to obtain GW gradient info



0 30 60
 (Approximate Scale in Feet)

LEGEND

- Ekotek Site Boundary
- Above Ground Storage Tank
- ⊙ Below Ground Sump
- ▨ Below Ground Concrete Sump/Tank
- - - Concrete Wall/Berm
- ⊕ Proposed Monitoring Well
- ⊙ Proposed Soil Boring
- ⊕ ANCC Monitoring Well

Notes:

- 1. All locations are approximate.

Erlor & Kalinowski, Inc.

Proposed Soil Boring and Monitoring Well Locations

4200 Alameda Avenue
 Oakland, CA
 May 1995
 EKI 930040.00
 Figure 7

Proposed Demolition Project Schedule
4200 Alameda Avenue (Former Ekotek Waste Oil Facility)

Demolition Activity	Duration (days)	Week Ending Friday									
		8-Sep	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	
Contractor Bid Receipt	milestone	■									
Contractor Selection/Negotiation	1 week		■								
Agency Approvals	2 weeks		■								
Permit Procurement (accel.)	3 weeks ⁽¹⁾		■								
Asbestos Survey	1 week			■							
Contractor Health & Safety Planning	1 week			■							
Contractor Mobilization	1 week			■							
Asbestos Removal	2 weeks					■					
Site Demolition ⁽²⁾	4 weeks				■						
Projected Completion Date	milestone								■		
Latest Completion Date	milestone										■

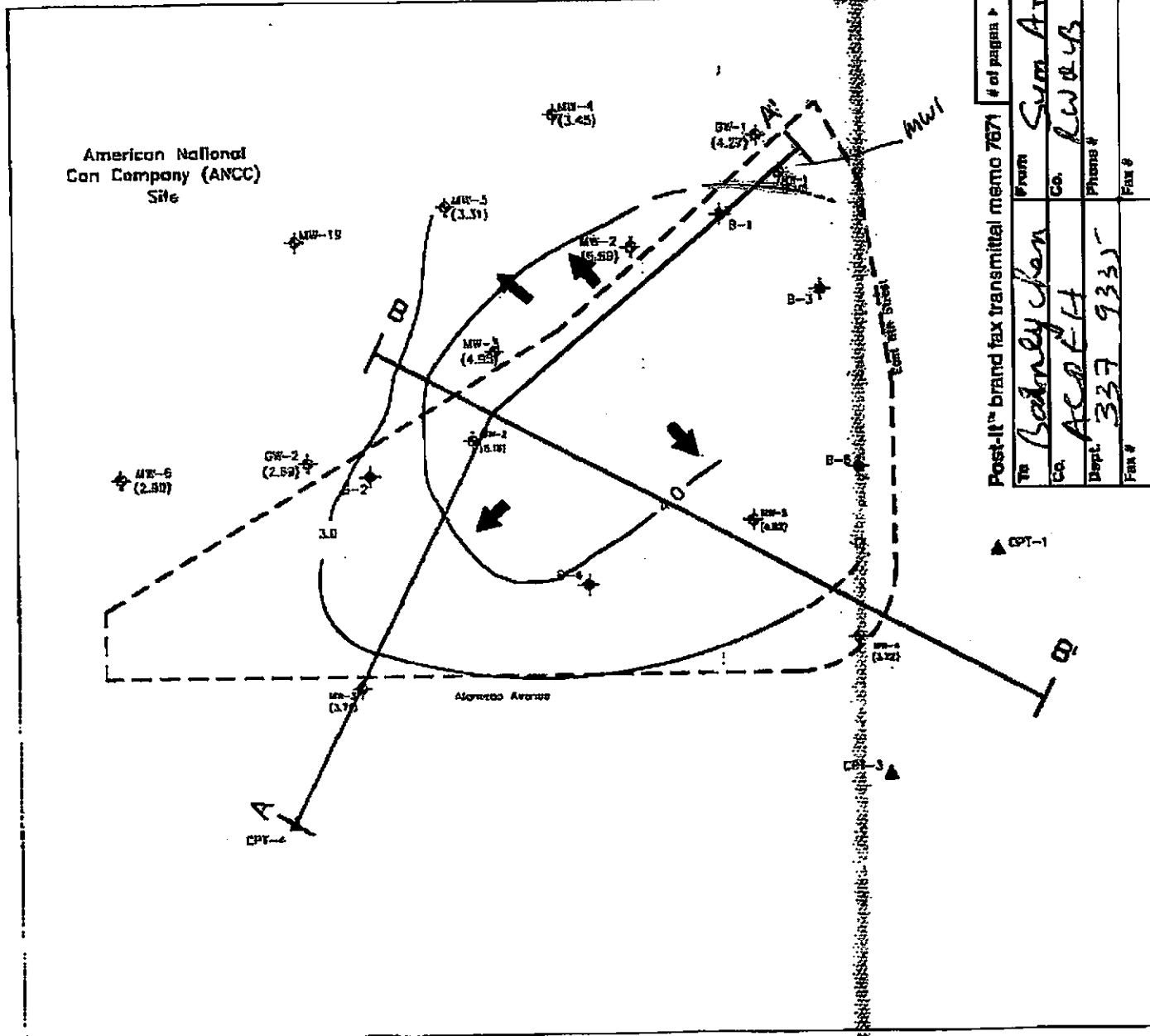
Notes:

⁽¹⁾ permit procurement will need to be accelerated to meet project timeline

⁽²⁾ site demolition activities include removal of tanks, buildings and other aboveground structures only

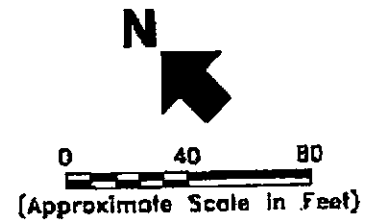
need faster than 30 days for excavation

\$ 125K - price for tanks, building asbestos 1/26 removal



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To	Barney Chen
From	Sum Arigata
Co.	Acosta
Dept.	337 9335
Phone #	
Fax #	



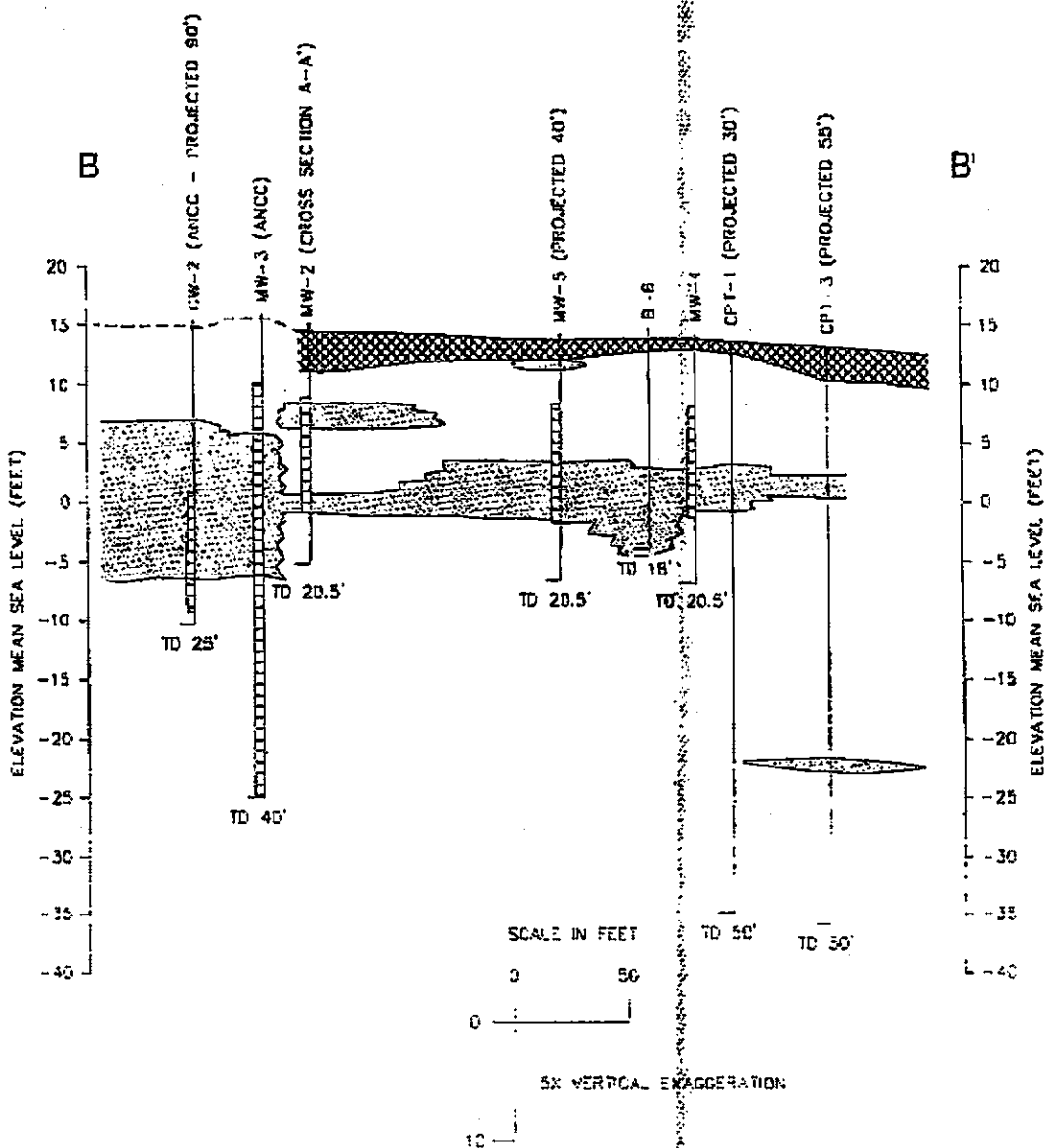
- LEGEND**
- - - Site Boundary
 - ⊕ Monitoring Well
 - ▲ CPT/PIPP Sampling Location
 - ⊕ Soil Boring
 - 6.0 Groundwater Potentiometric Surface (Feet Mean Sea Level)
 - (6.15) Groundwater Elevation (Feet Mean Sea Level) for 4 September 1996

- Notes:**
1. All locations are approximate.
 2. Groundwater elevations have been adjusted for the effects of floating hydrocarbons.




Eler & Kalinowski, Inc.

Groundwater Elevation Measured 4 September 1996

4200 Alameda Avenue
Oakland, CA
September 1996
EKI 930040.06
Figure 3



LEGEND

-  Fill
-  Clay and Silt (CL, ML)
-  Sand and Gravel (SM, SF, SC, GF, GW)

Lithology from Boranole or CPT Logging

Screened Section

Total Depth of Well (ft. bgs): 20.5'

Notes:

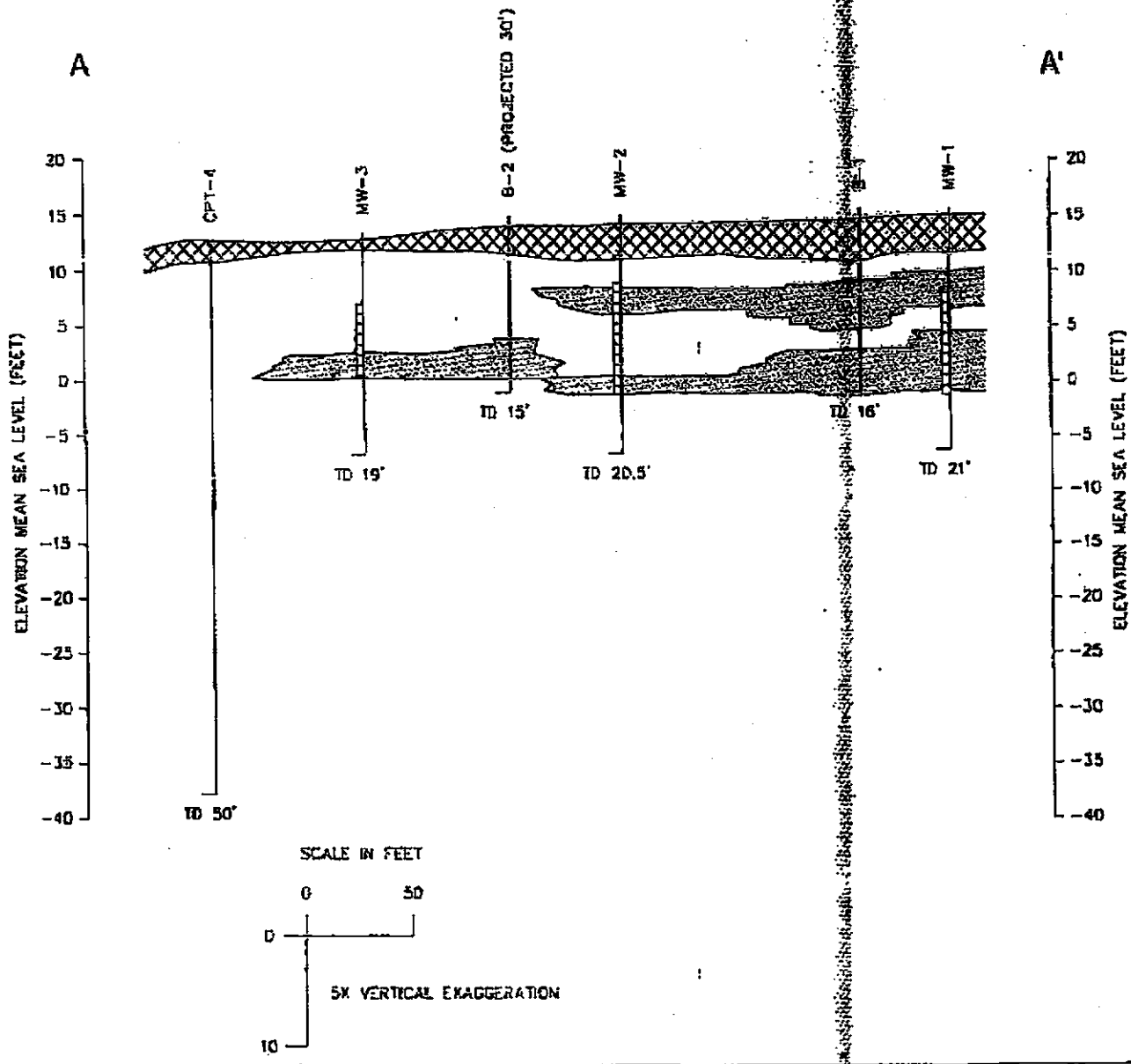
- 1. Soils logged using Unified Soil Classification System

Erler & Kalinowski, Inc.




Cross-Section B-B'

4200 Alameda Avenue
Oakland, CA
August 1996
EX 830042.08

Figure



LEGEND

-  Fill
-  Clay and Silt (CL, ML)
-  Sand and Gravel (SM, SP, SC, GP, GW)

Lithology from Borehole or CPT Logging

Screened Section

Total Depth of Well (ft. bgs)

Notes:

1. Soils logged using Unified Soil Classification System.

Erler & Kalinowski, Inc.

Cross-Section A-A'

4200 Alameda Avenue
 Oakland, CA
 August 1996
 EKI 930040.06
 Figure 2