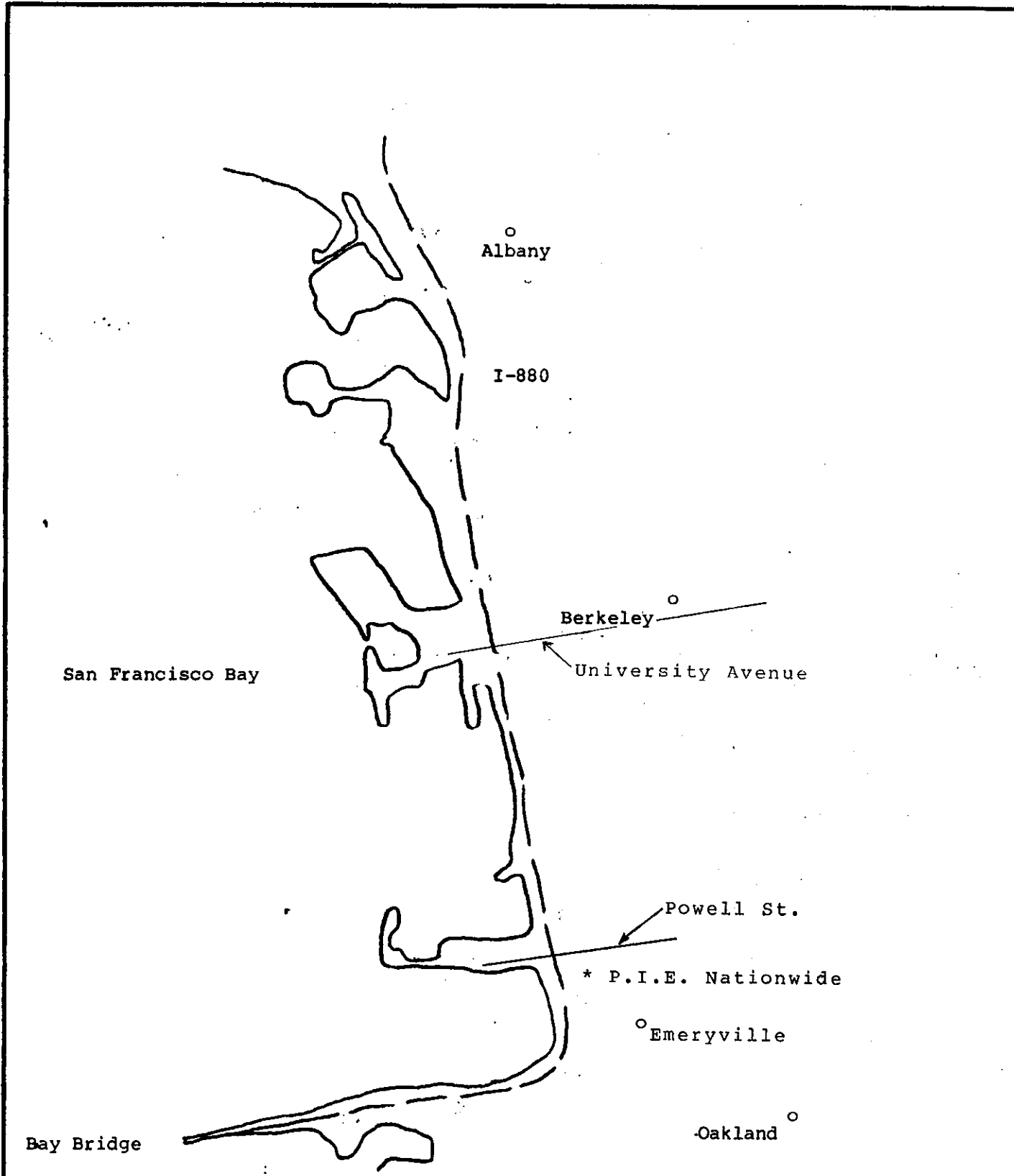


Scale: 1 inch  $\approx$  2200 feet

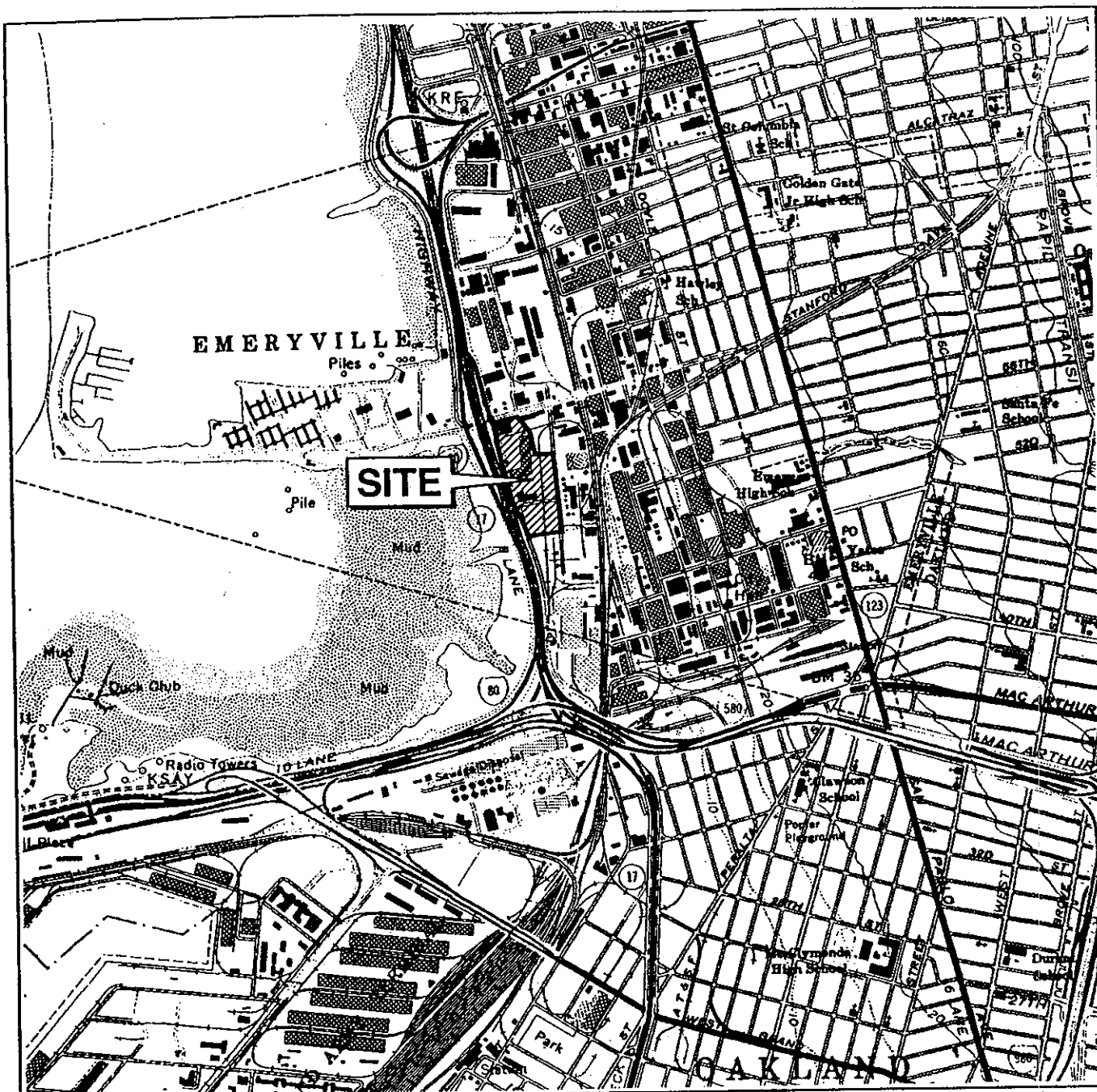
<b>STATE OF CALIFORNIA</b> <b>REGIONAL WATER QUALITY CONTROL BOARD</b> <b>SAN FRANCISCO BAY REGION</b>		
Appendix D: Location Map P.I.E. Nationwide Site Alameda County		
DRAWN BY:	DATE: 7-28-88	DRWG. NO.



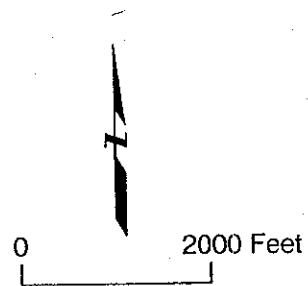
**STATE OF CALIFORNIA  
REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION**

Appendix D:  
Location Map  
P.I.E. Nationwide  
Emeryville, Alameda County

**DRAWN BY** MTC **DATE:** 7-18-8 **DRWG. NO.**



Map Source: U.S.G.S. Oakland West Quadrangle - California  
7.5 Minute Series (Topographic)

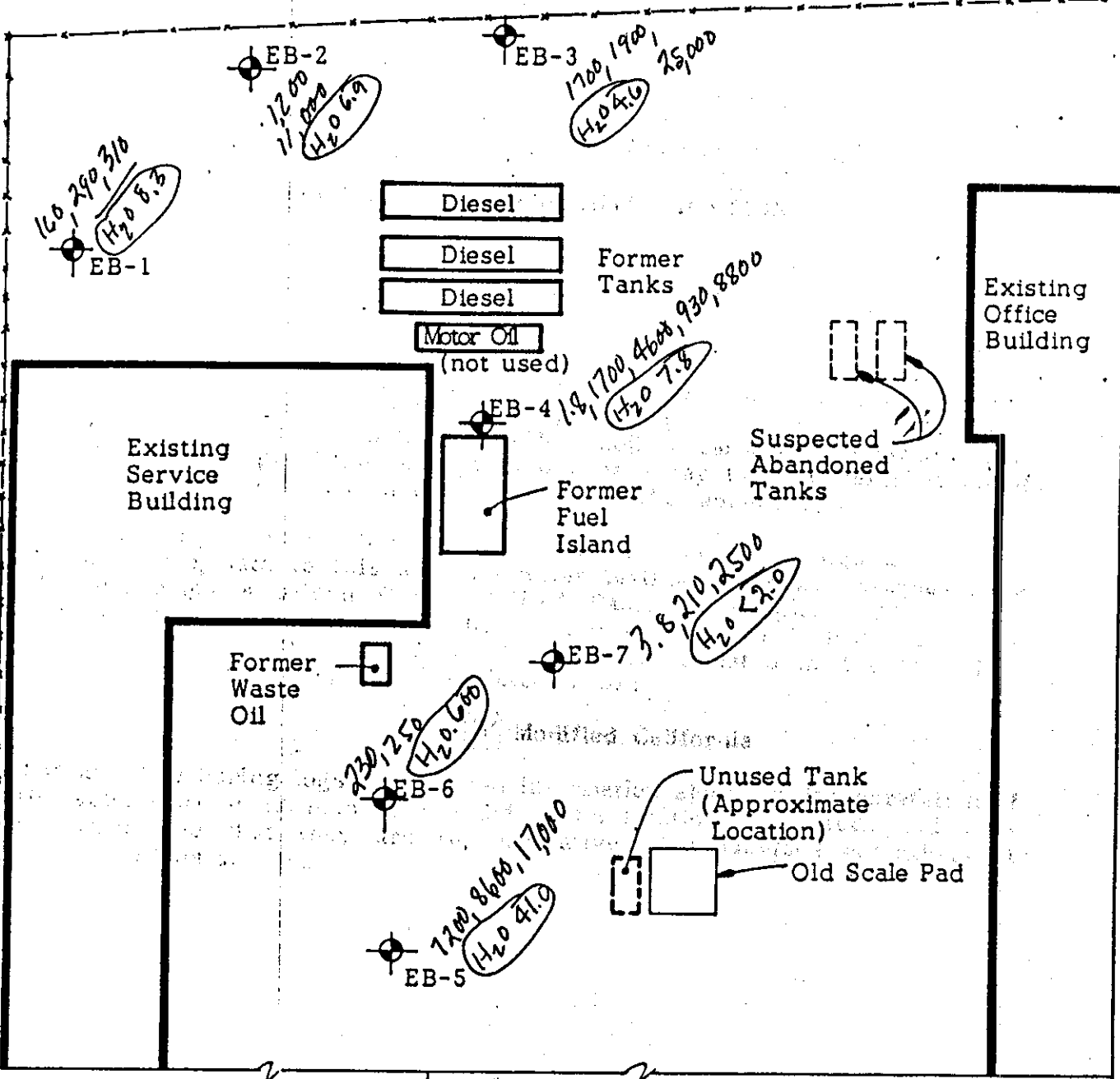


VICINITY MAP  
Powell Street Plaza and Shellmound III Properties  
Emeryville, California

Figure  
1

Project No.  
3182

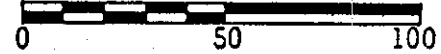
Eastshore Freeway - Highway 80



**LEGEND**

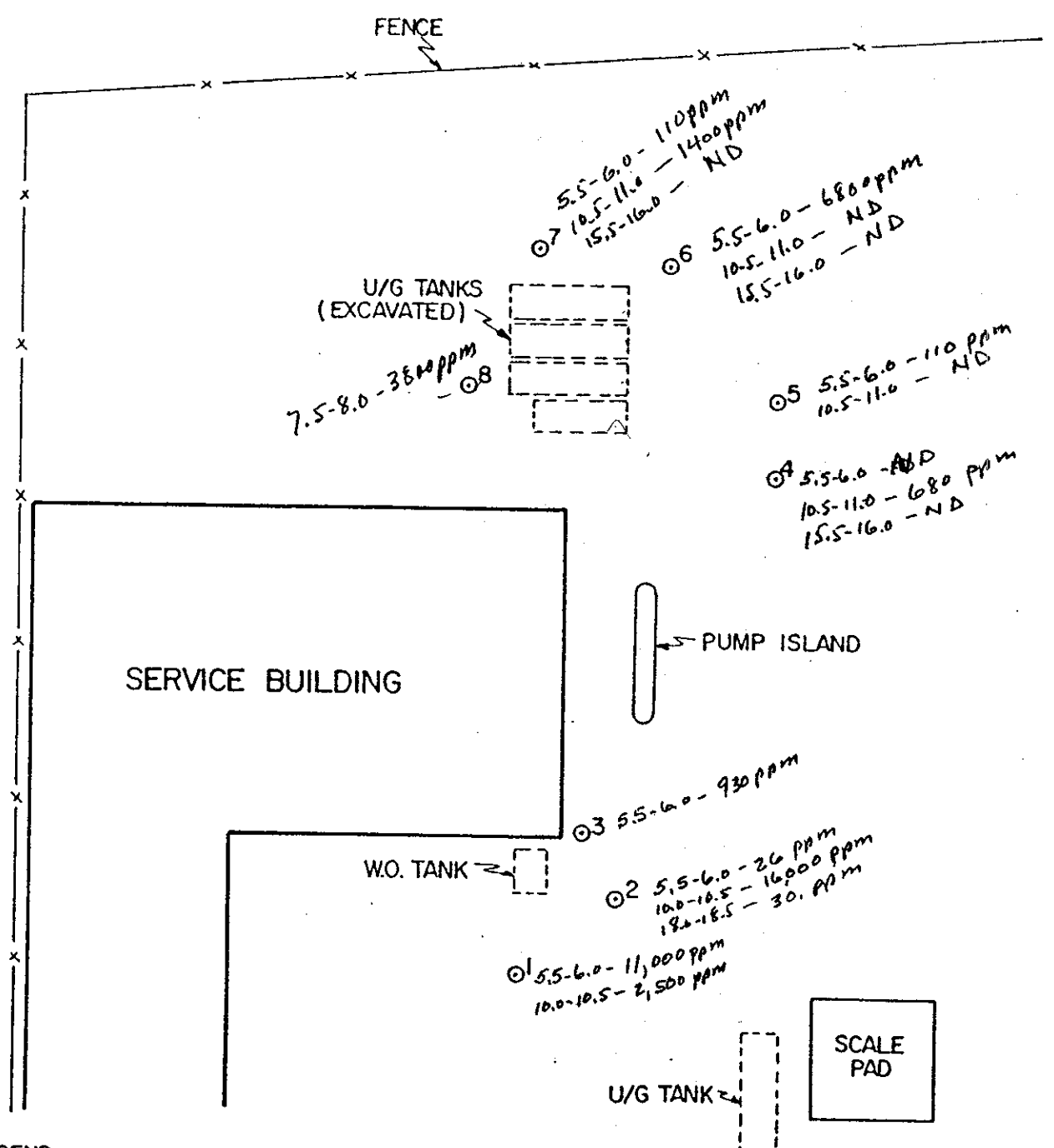
EB-7 Approximate Location of Exploratory Boring

**APPROXIMATE SCALE (Feet)**



Base: Untitled, undated Parcel Plan provided by Blymer & Sons.

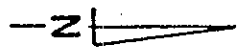
<b>PETER KALDVEER AND ASSOCIATES, INC.</b> <i>Geotechnical Consultants</i>	SITE PLAN		
	SOIL AND GROUNDWATER TESTING PIE TRUCK TERMINAL Emeryville, California		
	PROJECT NO. K405-35	DATE August 1986	Figure <b>2</b>



5.5-6.0 - 110 ppm  
 10.5-11.0 - 1400 ppm  
 15.5-16.0 - ND  
 5.5-6.0 - 680 ppm  
 10.5-11.0 - ND  
 15.5-16.0 - ND  
 5.5-6.0 - 110 ppm  
 10.5-11.0 - ND  
 5.5-6.0 - ND  
 10.5-11.0 - 680 ppm  
 15.5-16.0 - ND  
 7.5-8.0 - 3500 ppm  
 5.5-6.0 - 930 ppm  
 5.5-6.0 - 26 ppm  
 10.0-10.5 - 16,000 ppm  
 15.5-16.0 - 30. ppm  
 5.5-6.0 - 11,000 ppm  
 10.0-10.5 - 2,500 ppm

**LEGEND**  
 ⊙ MONITORING WELL

**FIGURE 3**  
**SITE PLAN**

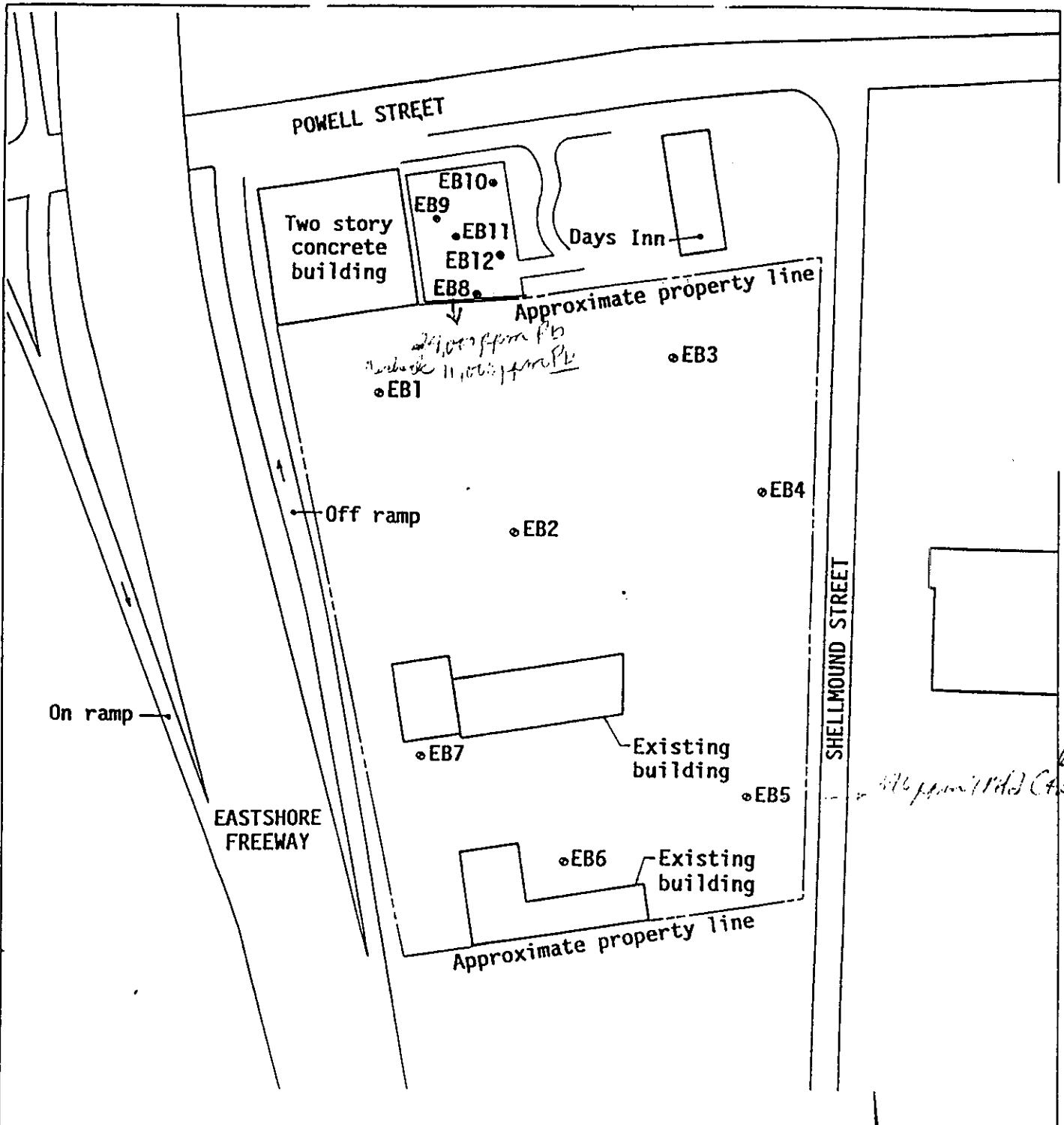


PIE NATIONWIDE  
 EMERYVILLE, CALIFORNIA

*drilled 8/4/86*



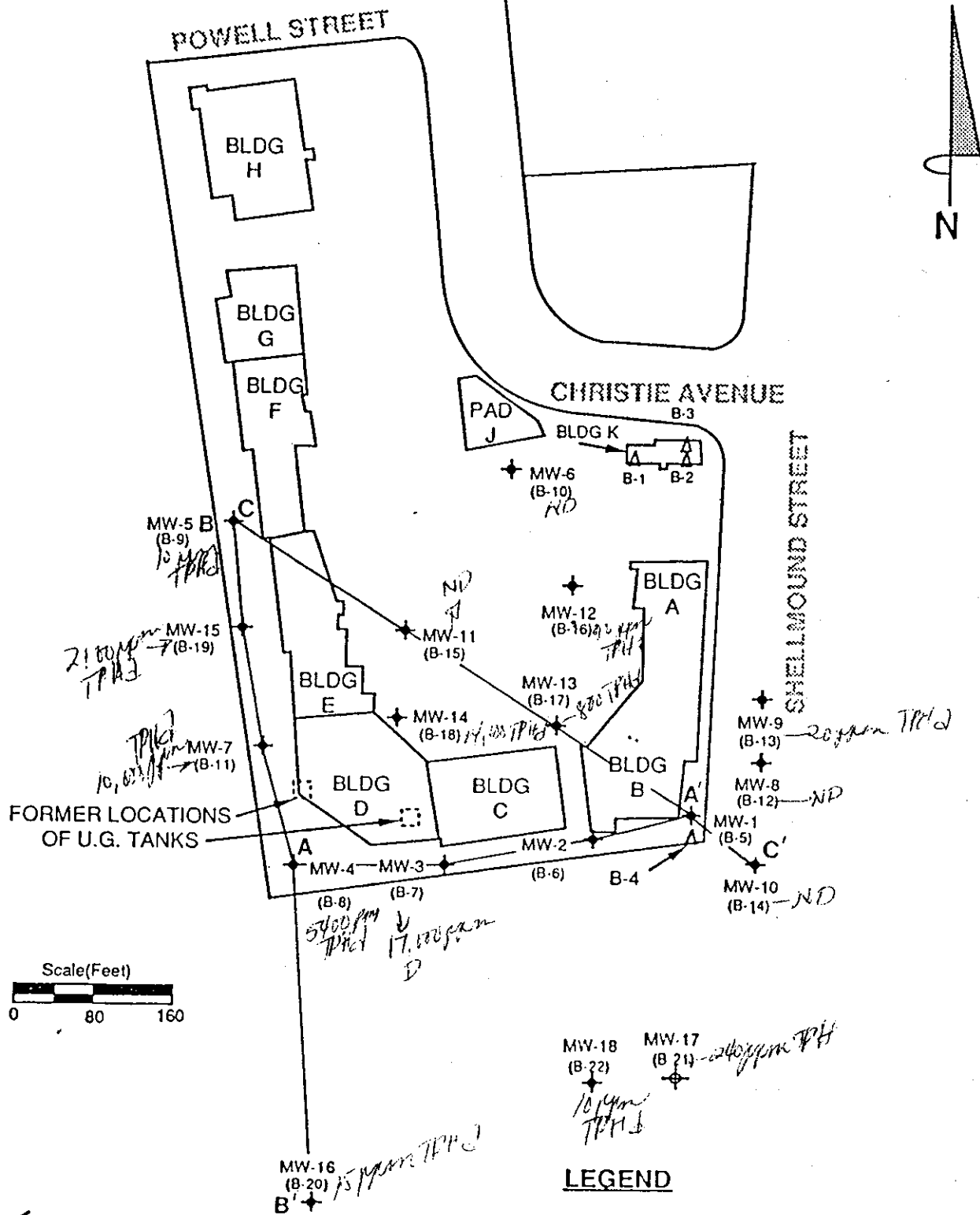
**GROUNDWATER  
 TECHNOLOGY**



*EB8  
 P/B - 24,000 from P/B  
 recheck  
 11,000 from P/B*

*log  
 476 p.p.m. (P/B) CA 5ft*


Project No. 1175A	P.I.E. Site Emeryville, California	SITE AND BORING LOCATION MAP	Figure <b>4</b>
Geomatrix Consultants			



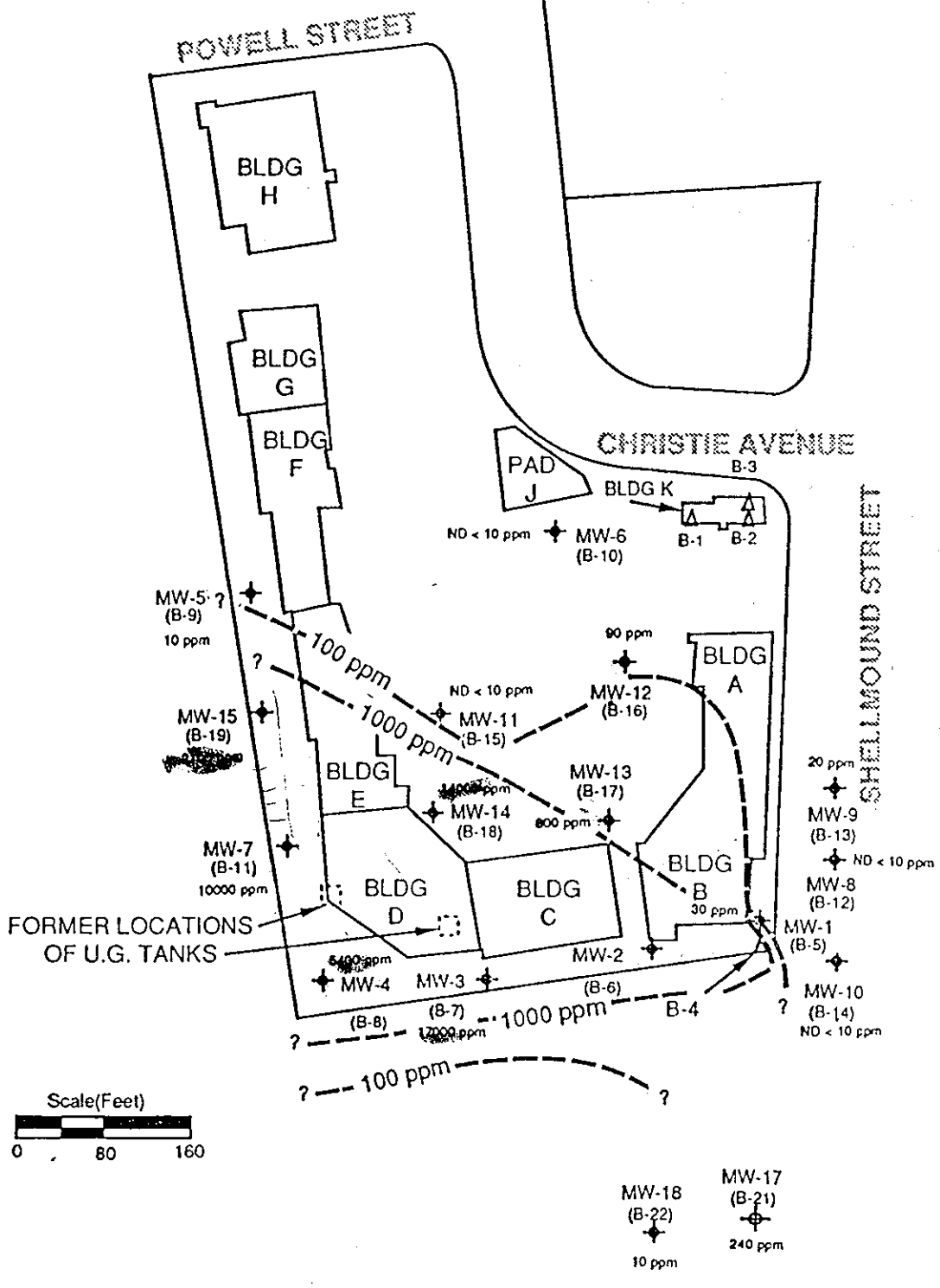
**FIGURE 5. SITE PLAN SHOWING LOCATION OF MONITORING WELLS**

P.I.E. Nationwide  
 5500 Eastshore Freeway  
 Emeryville, California

- LEGEND**
- ⊕ Monitoring Well Location
  - Δ Boring Location
  - A-A' Cross-Section Line



**ALTON GEOSCIENCE**  
 16510 ASTON ST.  
 IRVINE, CA 92714



**FIGURE 6: SITE PLAN SHOWING ESTIMATED EXTENT OF ADSORBED-PHASE PLUME**

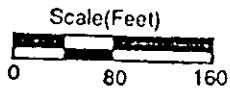
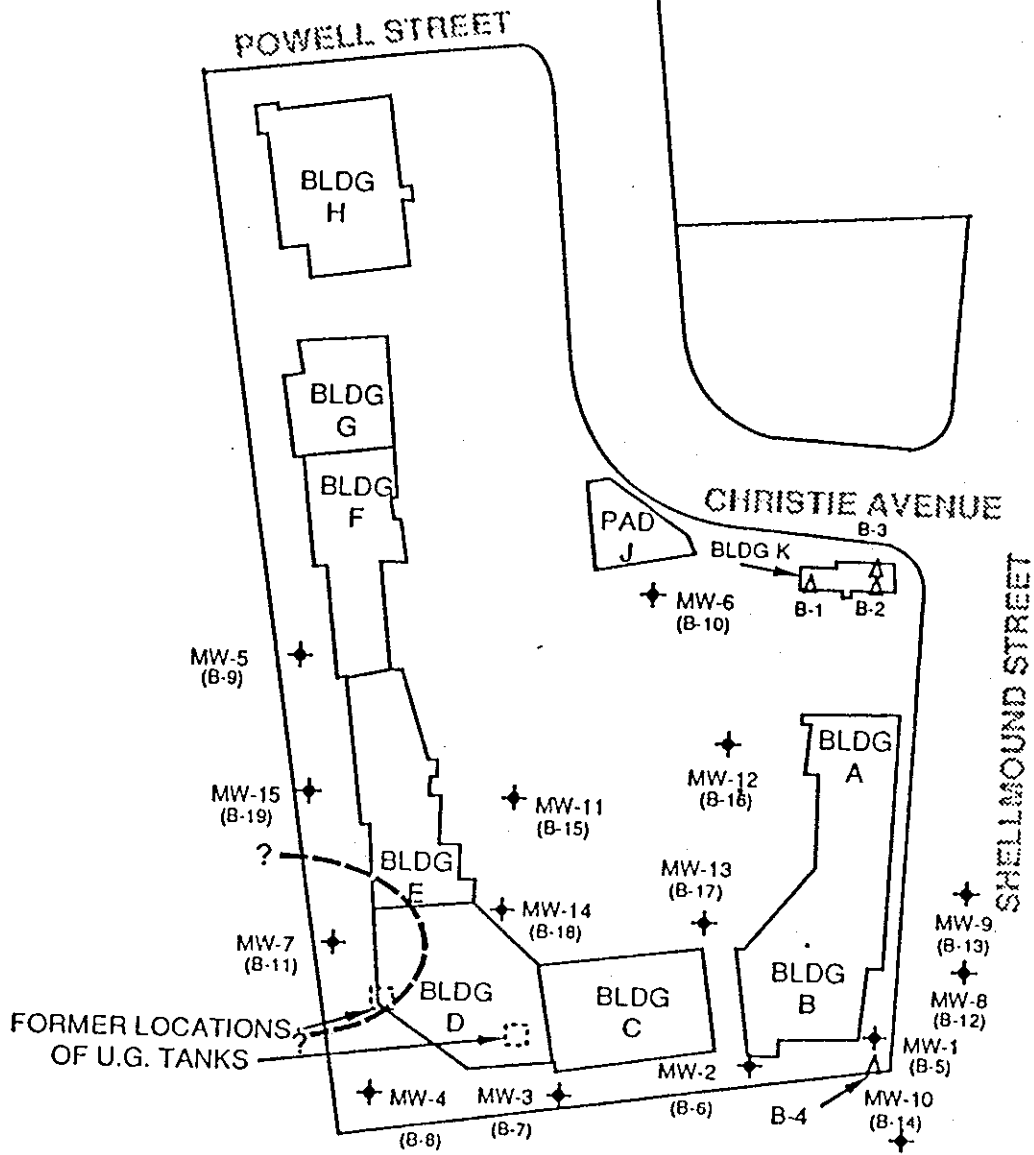
P.I.E. Nationwide  
 5500 Eastshore Freeway  
 Emeryville, California

- LEGEND**
- ⊕ Monitoring Well Location
  - - - Concentration Contour Line
  - △ Boring Location

NOTE: Contour lines are interpreted based on analysis of soil samples collected on 10-7-87 between 3-10-88 and 3-11-88.

**ALTON GEOSCIENCE**  
 16510 ASTON ST.  
 IRVINE, CA 92714





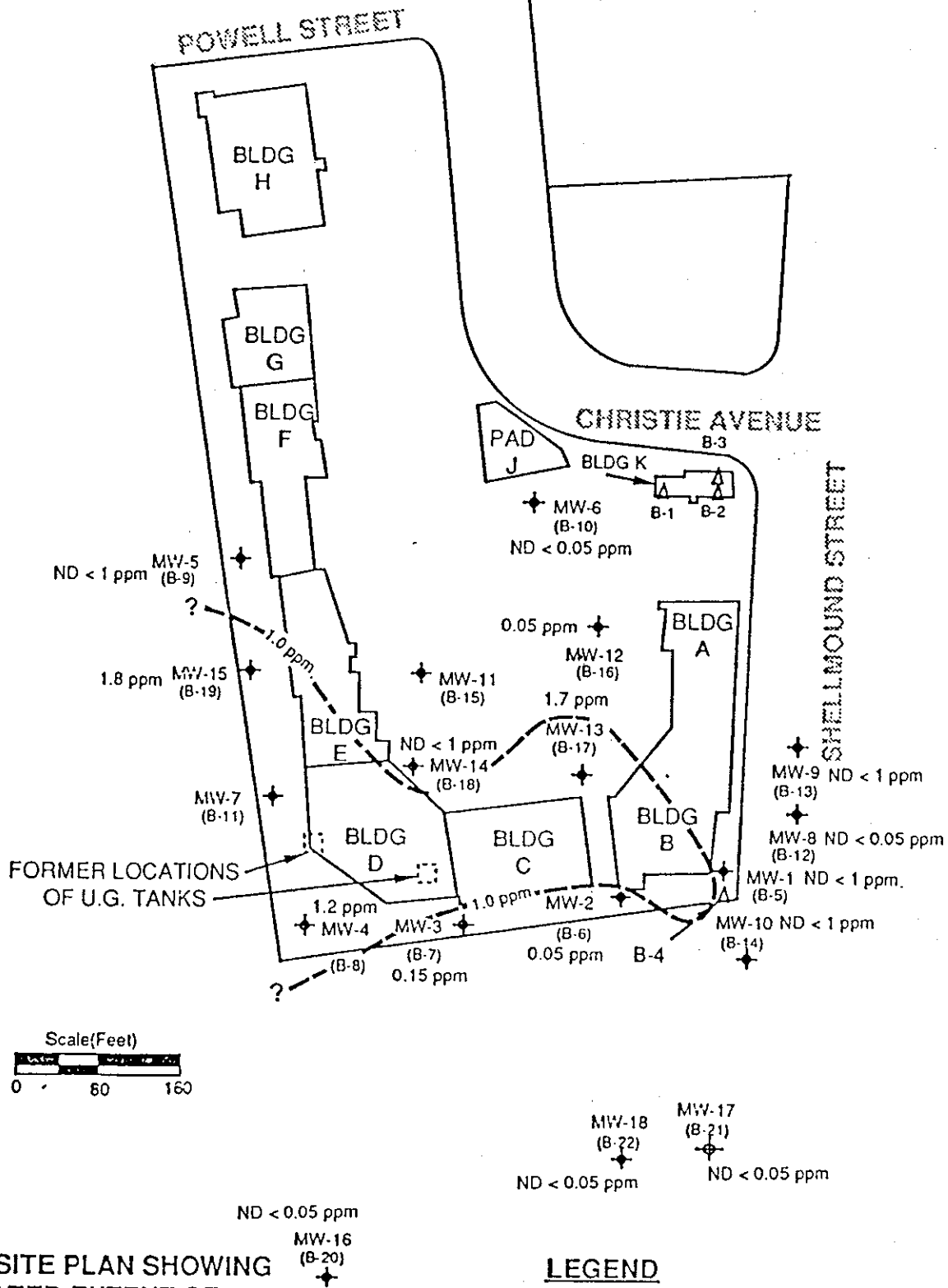
**FIGURE 7: SITE PLAN SHOWING ESTIMATED EXTENT OF FREE PRODUCT PLUME**  
**P.I.E. Nationwide**  
**5500 Eastshore Freeway**  
**Emeryville, California**

NOTE: Estimated extent is interpreted based on monitoring data collected between 3-10-88 and 3-15-88.

**LEGEND**

- ⊕ Monitoring Well Location
- Estimated Extent Of Free Product Plume
- △ Boring Location

**ALTON GEOSCIENCE**  
 16510 ASTON ST.  
 IRVINE, CA 92714



**FIGURE 8: SITE PLAN SHOWING ESTIMATED EXTENT OF DISSOLVED-PHASE PLUME**

P.I.E. Nationwide  
5500 Eastshore Freeway  
Emeryville, California

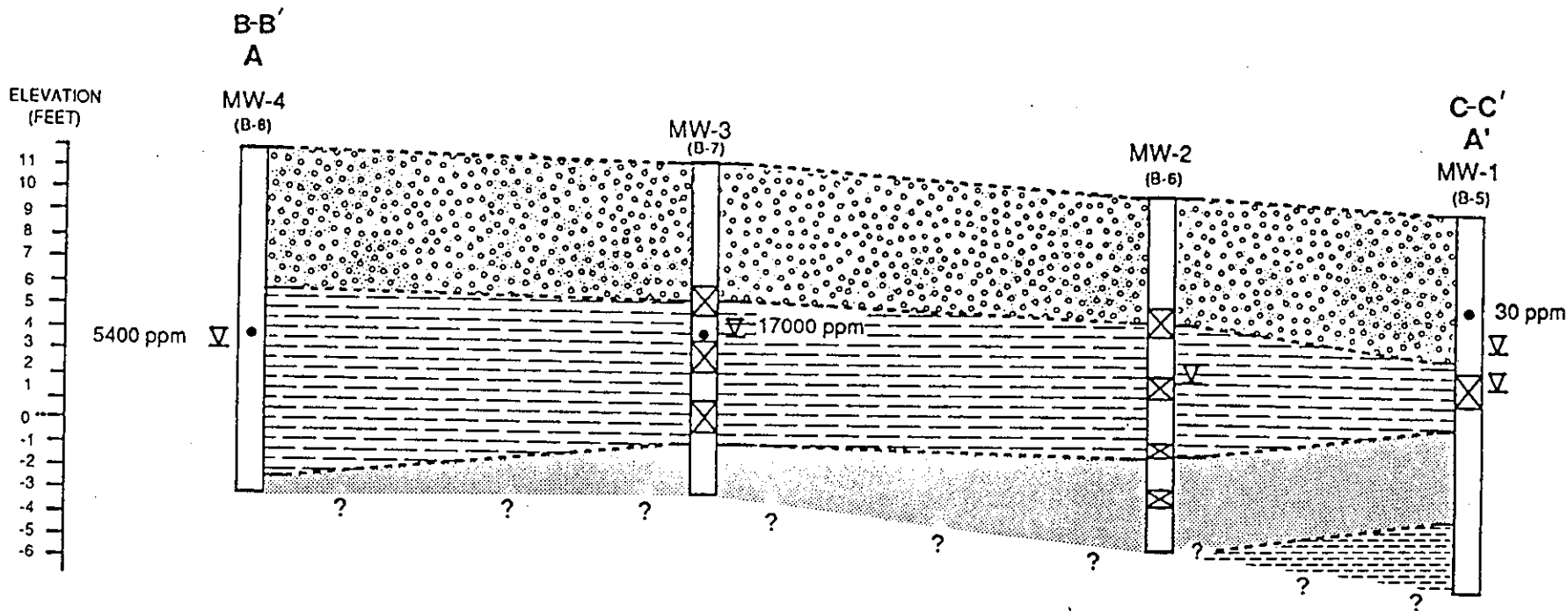
NOTE: Contour lines are interpreted based on analysis of ground water samples collected between 3-10-88 and 3-15-88.

**LEGEND**

- ⊕ Monitoring Well Location
- Concentration Contour Line
- Δ Boring Location



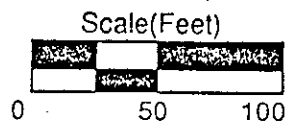
**ALTON GEOSCIENCE**  
16510 ASTON ST.  
IRVINE, CA 92714



**FIGURE 9: CROSS SECTION A-A'  
SHOWING SUBSURFACE  
STRATIGRAPHY**

P.I.E. Nationwide  
5500 Eastshore Freeway  
Emeryville, California

NOTE: Fluid levels are tidally influenced.  
See Appendix C for fluid level monitoring data.



**LEGEND**



Artificial Fill



Black Bay Mud Sediments



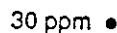
Olive Gray / Dusky Green Sands, Silts, and Clays



Light Brown and Light Olive Gray Silty and Sandy Clays



Fluid Level Measurement



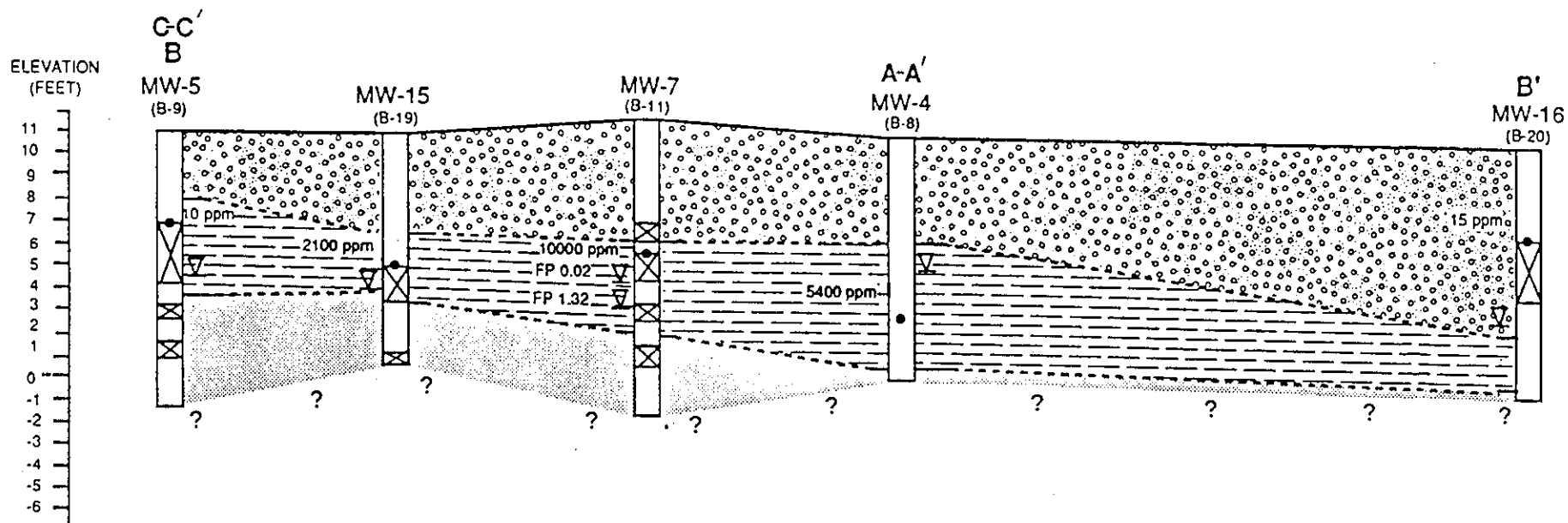
30 ppm • Sample Location



No Sample



**ALTON GEOSCIENCE**  
16510 ASTON ST.  
IRVINE, CA 92714



**FIGURE 10. CROSS SECTION B-B'  
SHOWING SUBSURFACE  
STRATIGRAPHY**

P.I.E. Nationwide  
5500 Eastshore Freeway  
Emeryville, California

**LEGEND**



Artificial Fill



Black Bay Mud Sediments



Olive Gray / Dusky Green Sands, Silts, and Clays



Fluid Level Measurement



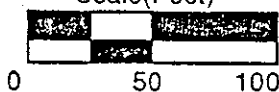
Sample Location



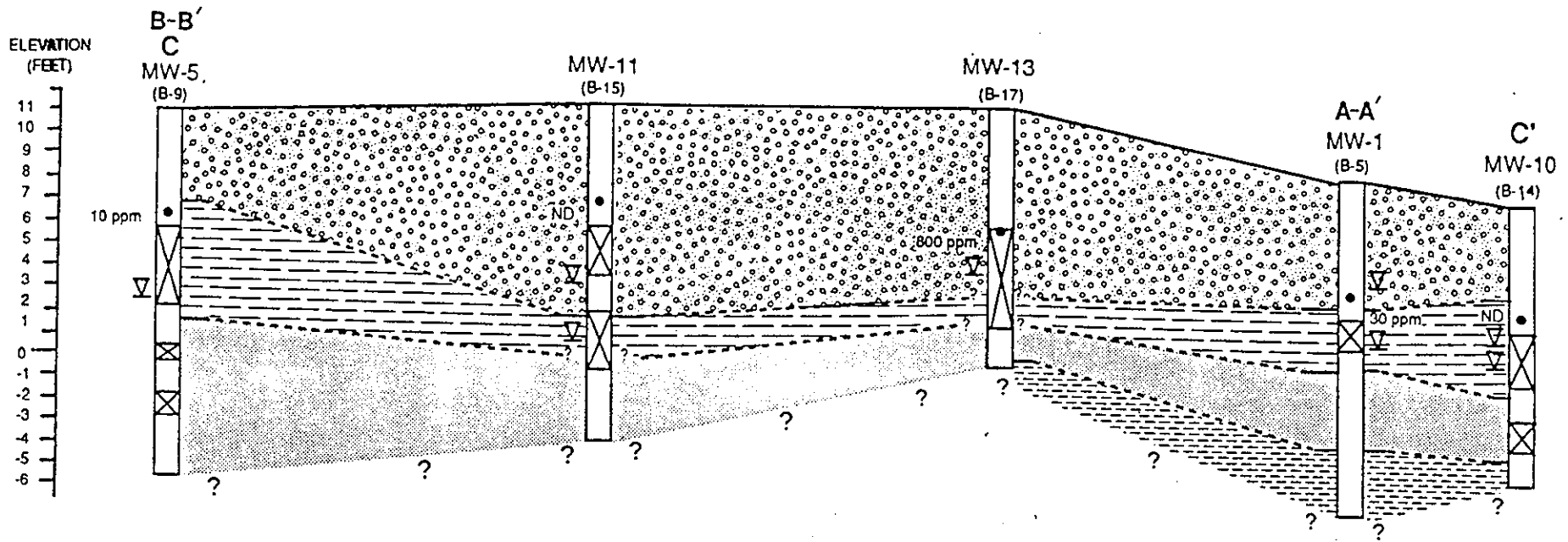
No Sample

NOTE: Fluid levels are tidally influenced.  
See Appendix C for fluid level monitoring data.

Scale (Feet)



**ALTON GEOSCIENCE**  
16510 ASTON ST.  
IRVINE, CA 92714



**FIGURE 16: CROSS SECTION C-C'  
SHOWING SUBSURFACE  
STRATIGRAPHY**

P.I.E. Nationwide  
5500 Eastshore Freeway  
Emeryville, California

**LEGEND**



Artificial Fill



Black Bay Mud Sediments



Olive Gray / Dusky Green Sands, Silts, and Clays



Light Brown and Light Olive Gray Silty and Sandy Clays



Fluid Level Measurement

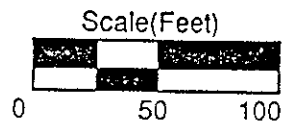


Sample Location



No Sample

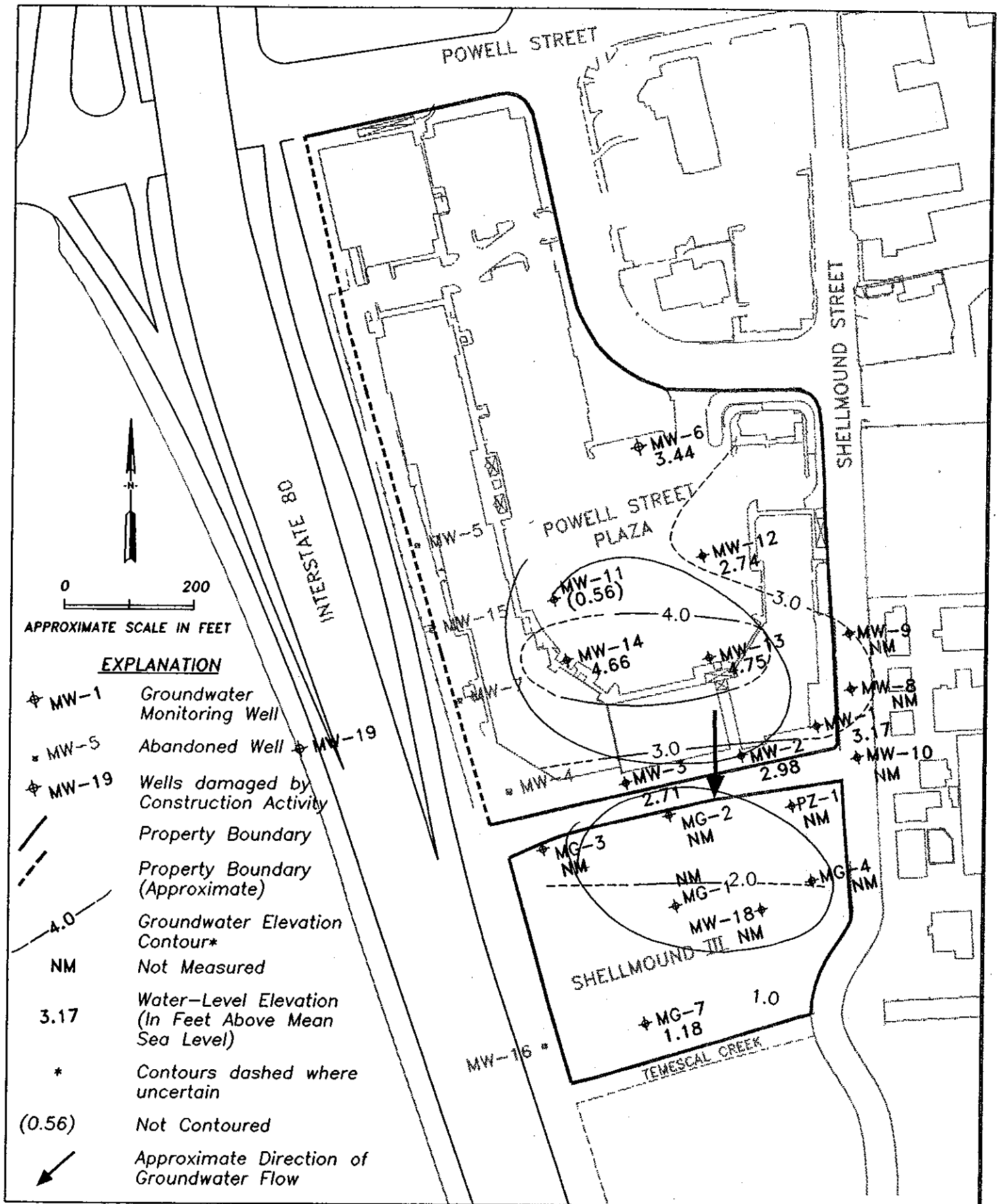
NOTE: Fluid levels are tidally influenced.  
See Appendix C for fluid level monitoring data.

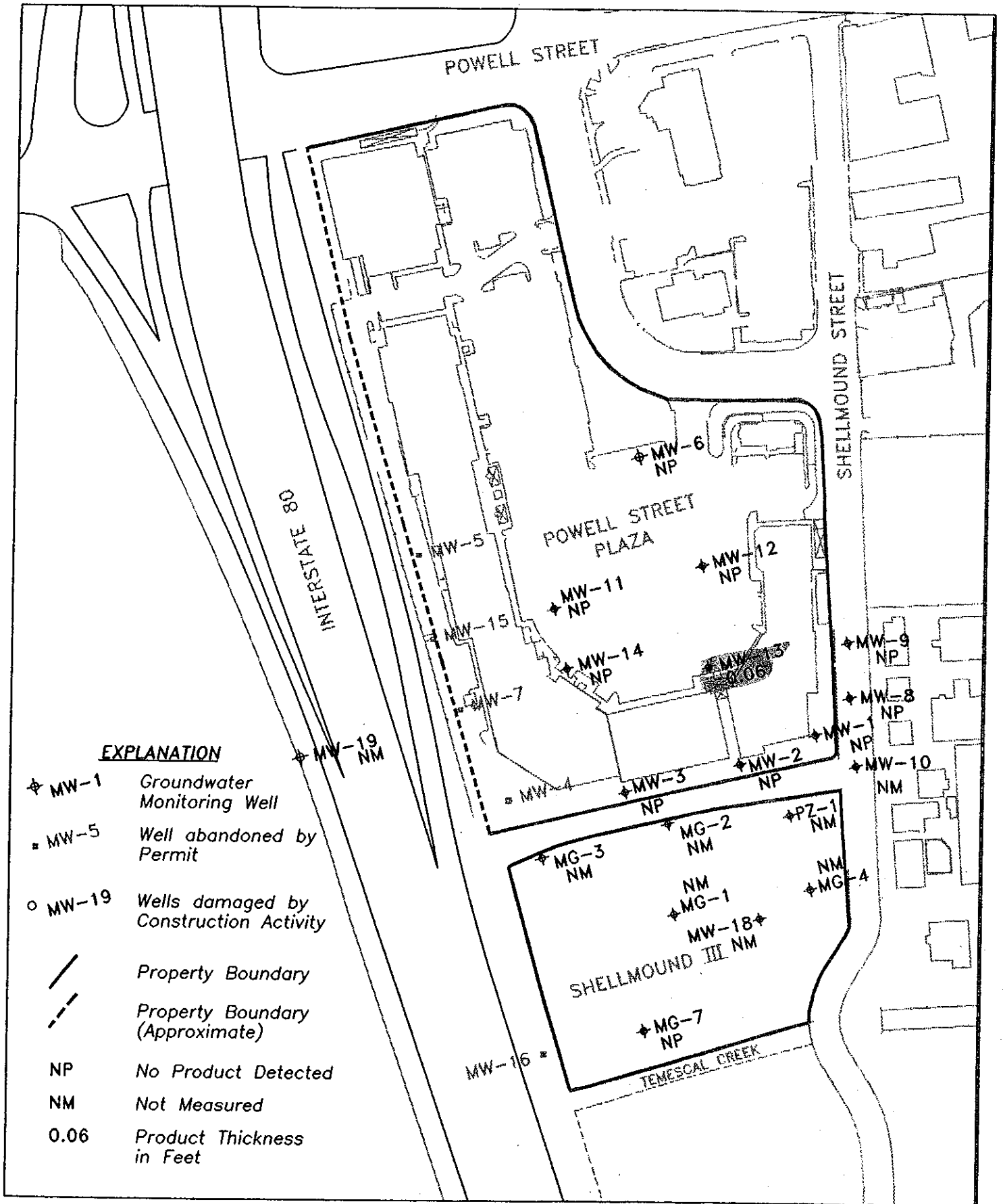


5400 ppm



**ALTON GEOSCIENCE**  
16510 ASTON ST.  
IRVINE, CA 92714





Free-Phase Product Thickness on May 23, 1997  
 Powell Street Plaza and  
 Shellmound III Sites  
 Emeryville, California

PLATE  
**FIGURE 13**



**PES Environmental, Inc.**  
 Engineering & Environmental Services

FENCE

TOTAL FUEL CARBON

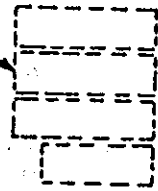
5.5-6.0 - 110ppm  
10.5-11.0 - 1400ppm  
15.5-16.0 - ND

06 5.5-6.0 - 680ppm  
10.5-11.0 - ND  
15.5-16.0 - ND

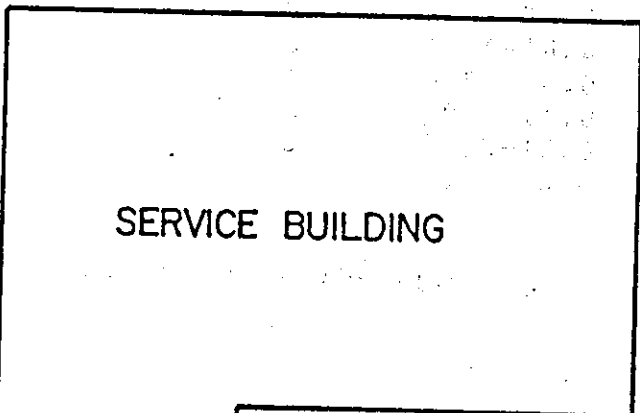
05 5.5-6.0 - 110ppm  
10.5-11.0 - ND

04 5.5-6.0 - ND  
10.5-11.0 - 680ppm  
15.5-16.0 - ND

U/G TANKS (EXCAVATED)



7.5-8.0 - 380ppm  
08



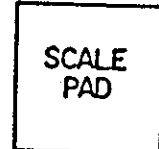
PUMP ISLAND

03 5.5-6.0 - 930ppm

W.O. TANK

02 5.5-6.0 - 26ppm  
10.0-10.5 - 1600ppm  
15.0-16.5 - 30.0ppm  
01 5.5-6.0 - 11,000ppm  
10.0-10.5 - 2,500ppm

U/G TANK



SCALE PAD

LEGEND

⊙ MONITORING WELL

FIGURE 2

Post-It™ brand fax transmittal memo 7671 # of pages 2

To LEE DODGE	From SUSAN HUGO
Co.	Co.
Dept.	Phone #
Fax # 415 882-9261	Fax # 570 337 9335



PIE NATIONWIDE  
EMERYVILLE, CALIFORNIA

drilled 8/4/86



GROUNDWATER TECHNOLOGY



Eastshore Freeway - Highway 80

EB-1  
160,290,310  
H<sub>2</sub>O 8.3

EB-2  
12,000  
11,000  
H<sub>2</sub>O 6.9

EB-3  
1700, 1900, 25,000  
H<sub>2</sub>O 4.0

Diesel

Diesel

Diesel

Motor Oil  
(not used)

Former Tanks

Existing Office Building

Existing Service Building

EB-4  
19,1700, 4000, 930, 8800  
H<sub>2</sub>O 7.8  
Former Fuel Island

Suspected Abandoned Tanks

Former Waste Oil

EB-7  
3,8210, 2500  
H<sub>2</sub>O 2.0

EB-6  
230, 250  
H<sub>2</sub>O 6.5


Unused Tank (Approximate Location)

Old Scale Pad

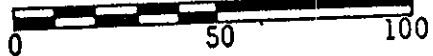
EB-5  
7200, 8600, 17000  
H<sub>2</sub>O 41.0

To Shellmound Street

**LEGEND**

EB-7  Approximate Location of Exploratory Boring

**APPROXIMATE SCALE (Feet)**



Base: Untitled, undated Parcel Plan provided by Blymer & Sons.

**PETER KALDVEER AND ASSOCIATES, INC.**

*Geotechnical Consultants*

**SITE PLAN**

**SOIL AND GROUNDWATER TESTING  
PIE TRUCK TERMINAL  
Emeryville, California**

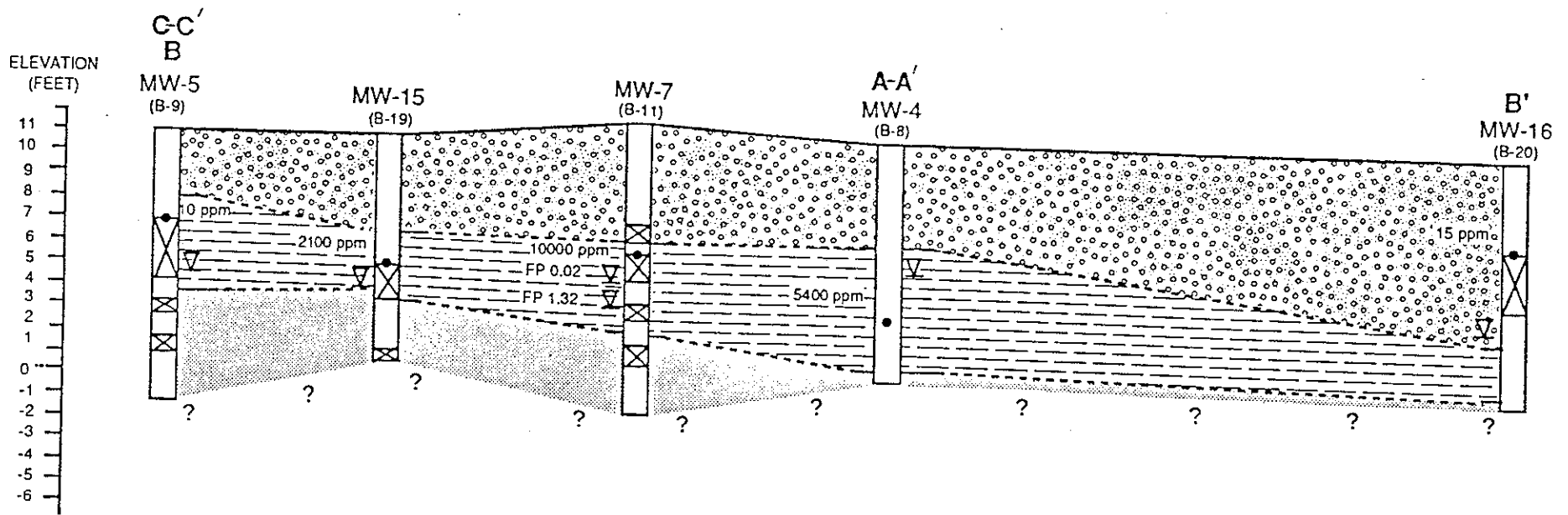
PROJECT NO.

DATE

Figure 1

K405-35

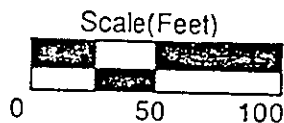
August 1986



**FIGURE 4: CROSS SECTION B-B'  
SHOWING SUBSURFACE  
STRATIGRAPHY**

P.I.E. Nationwide  
5500 Eastshore Freeway  
Emeryville, California

NOTE: Fluid levels are tidally influenced.  
See Appendix C for fluid level monitoring data.



**LEGEND**



Artificial Fill



Black Bay Mud Sediments



Olive Gray / Dusky Green Sands, Silts, and Clays



Fluid Level Measurement



Sample Location

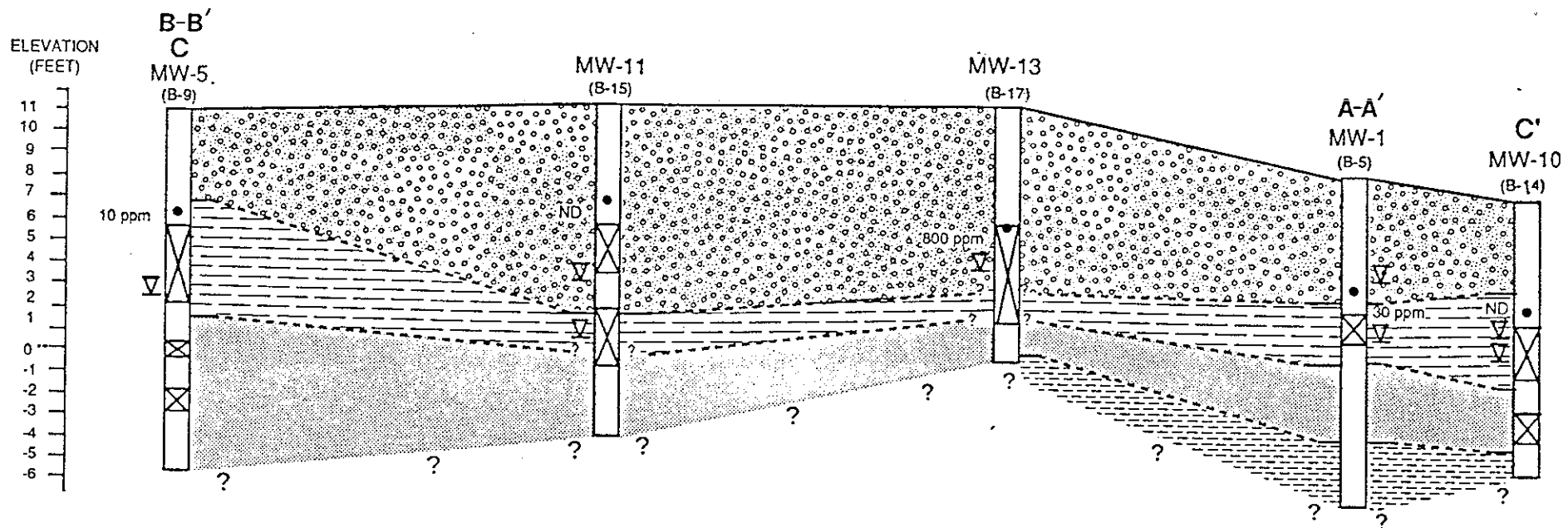


No Sample

5400 ppm



**ALTON GEOSCIENCE**  
16510 ASTON ST.  
IRVINE, CA 92714



**FIGURE 5: CROSS SECTION C-C'  
SHOWING SUBSURFACE  
STRATIGRAPHY**

P.I.E. Nationwide  
5500 Eastshore Freeway  
Emeryville, California

**LEGEND**



Artificial Fill



Black Bay Mud Sediments



Olive Gray / Dusky Green Sands, Silts, and Clays



Light Brown and Light Olive Gray Silty and Sandy Clays



Fluid Level Measurement

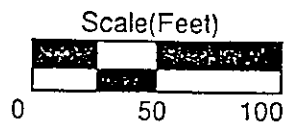


Sample Location



No Sample

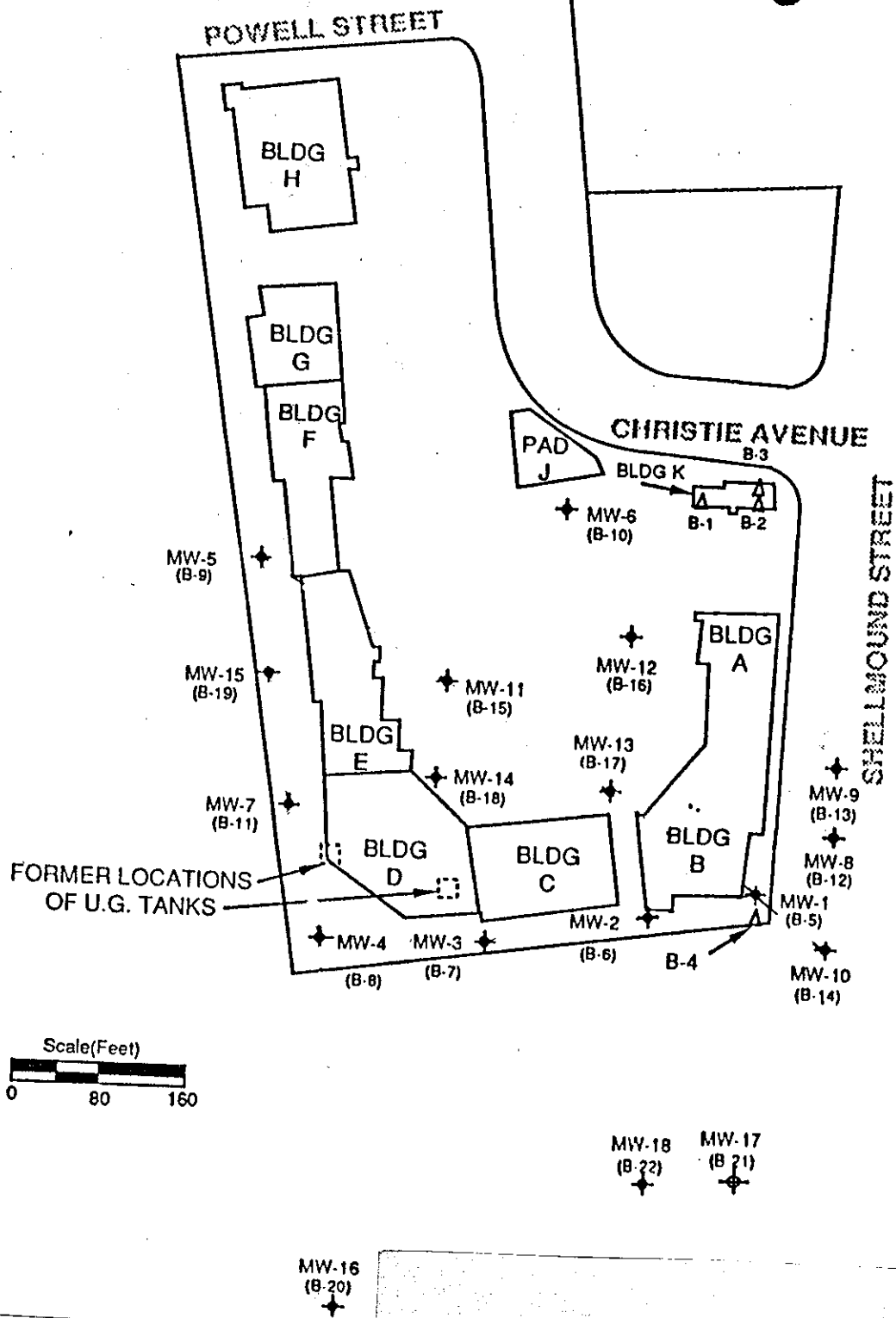
NOTE: Fluid levels are tidally influenced.  
See Appendix C for fluid level monitoring data.



5400 ppm



**ALTON GEOSCIENCE**  
16510 ASTON ST.  
IRVINE, CA 92714



**LEGEND**

- ✦ Monitoring Well Location
- Δ Boring Location

STATE OF CALIFORNIA  
 REGIONAL WATER QUALITY CONTROL BOARD  
 SAN FRANCISCO BAY REGION

DRAWN BY:

DATE:

DRWG. NO.