SUPERFUND RECORDS CTR
Site: Wells G&H
Break: 6.1
Other: 587739

AGENDA

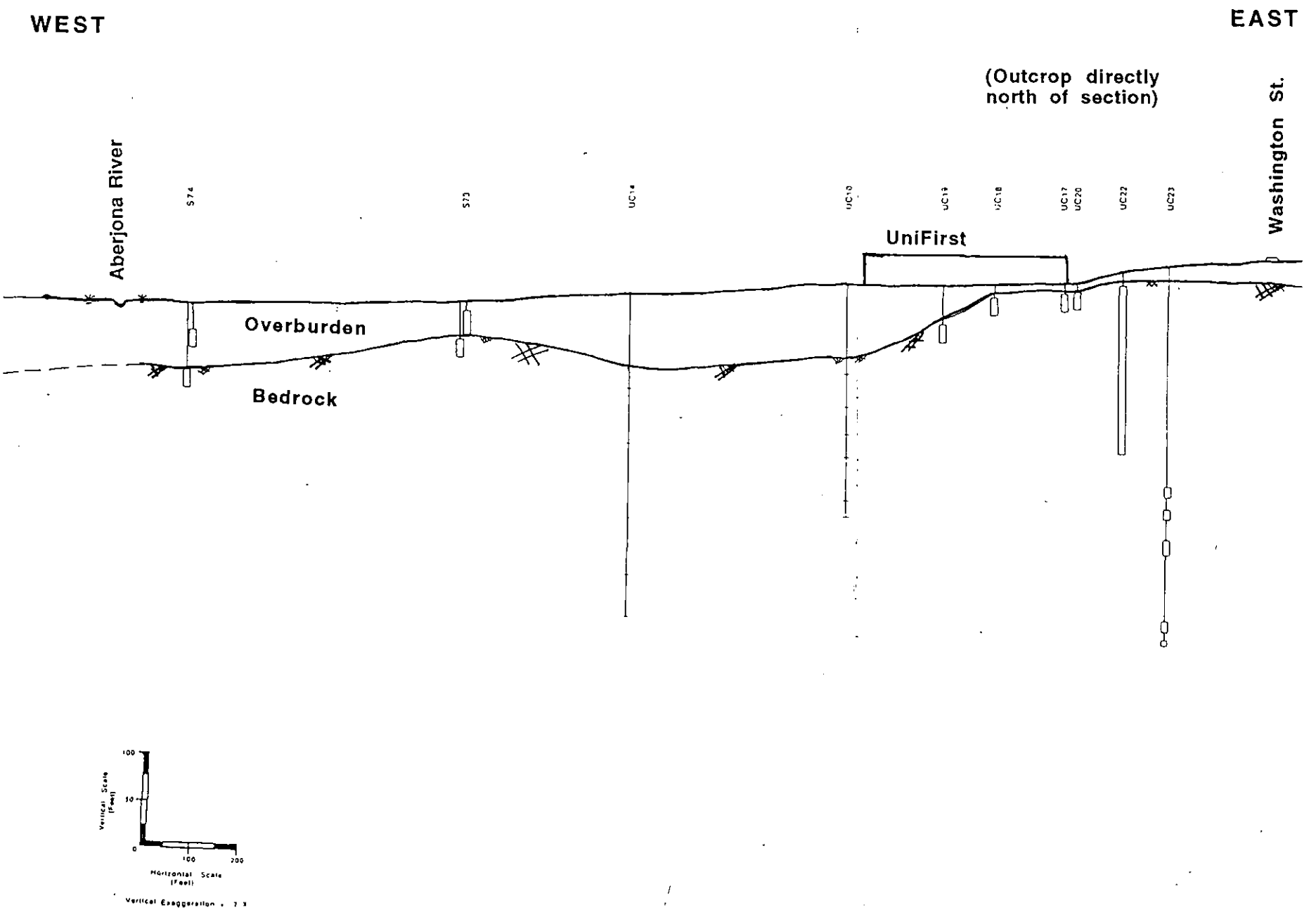
UNIFIRST UNCONSOLIDATED DEPOSITS INVESTIGATION

Presentation to EPA
August 13, 1992
Rm 23A, Goodwin, Procter & Hoar
Exchange Place, Boston

10:00 a.m.

1.	*Dr. John Cherry*	- Introduction - Historical perspective and overview - Synopsis of the 1992 investigation - Presentation of conceptual model for contaminant distribution
2.	*Dr. David McWhorter*	- Brief overview of physical processes affecting distribution and transport of contaminants - Summary of site characteristics - Advantages/Limitations of remedial technology options - Relationship of unconsolidated deposit remedy to groundwater remediation
3.	*Drs. McWhorter and Cherry, Mr. Jeff Lawson*	- Presentation of Remedial Design
4.		- Questions and Discussion

SDMS DocID 587739



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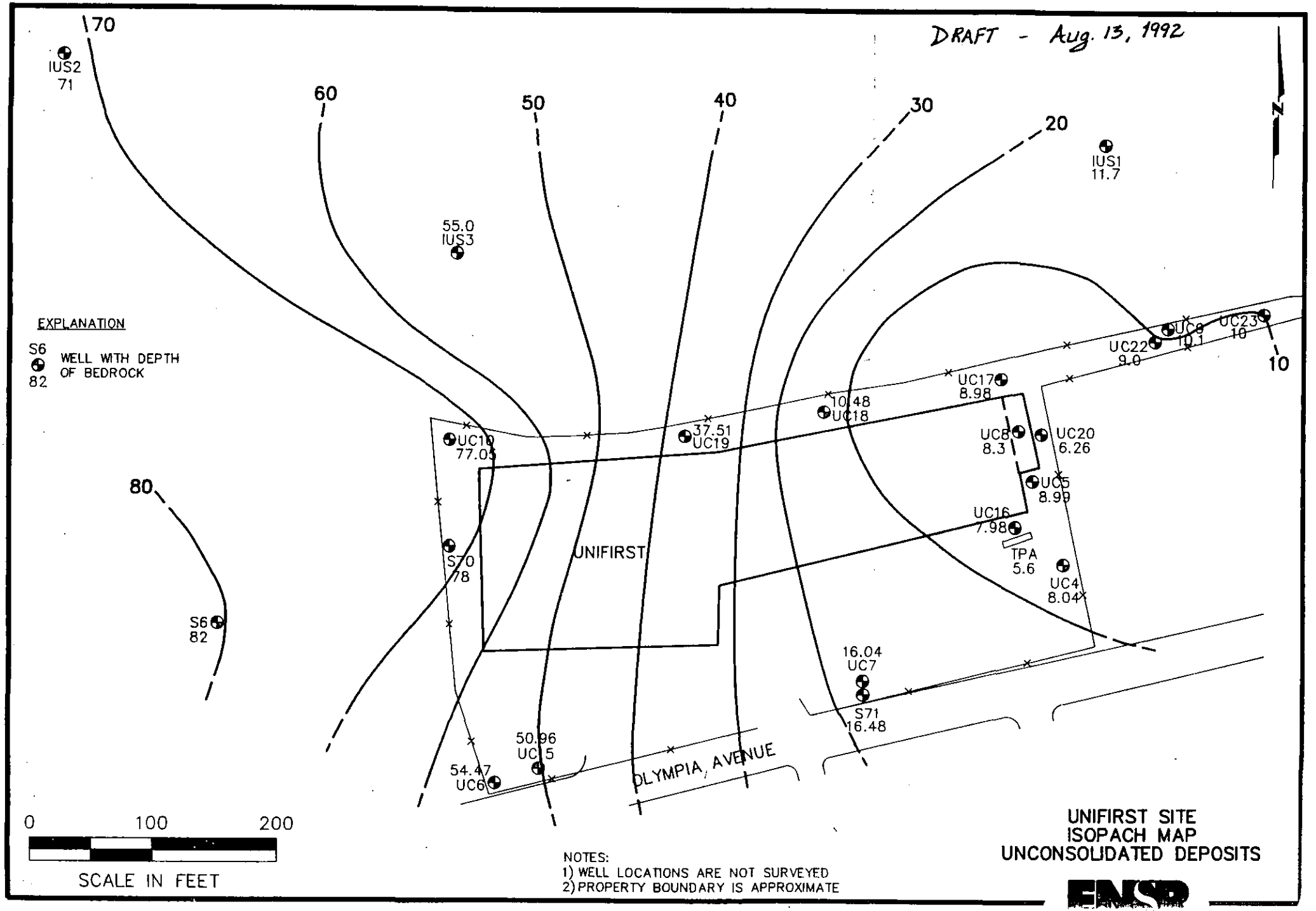
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70
60
50
40
30
20
10
80
IUS2
71
55.0
IUS3
IUS1
11.7
EXPLANATION
S6
82
WELL WITH DEPTH OF BEDROCK
UC10
77.03
37.51
UC19
10.48
UC18
UC17
8.98
UC22
9.0
UC9
10.1
UC23
10
UC8
8.3
UC20
6.26
UC5
8.99
UC16
7.98
TPA
5.6
UC4
8.04
S70
78
UNIFIRST
S6
82
16.04
UC7
S71
16.48
50.96
UC 5
54.47
UC6
OLYMPIA AVENUE
0
100
200
SCALE IN FEET
NOTES:
1) WELL LOCATIONS ARE NOT SURVEYED
2) PROPERTY BOUNDARY IS APPROXIMATE
UNIFIRST SITE
ISOPACH MAP
UNCONSOLIDATED DEPOSITS
ENSR

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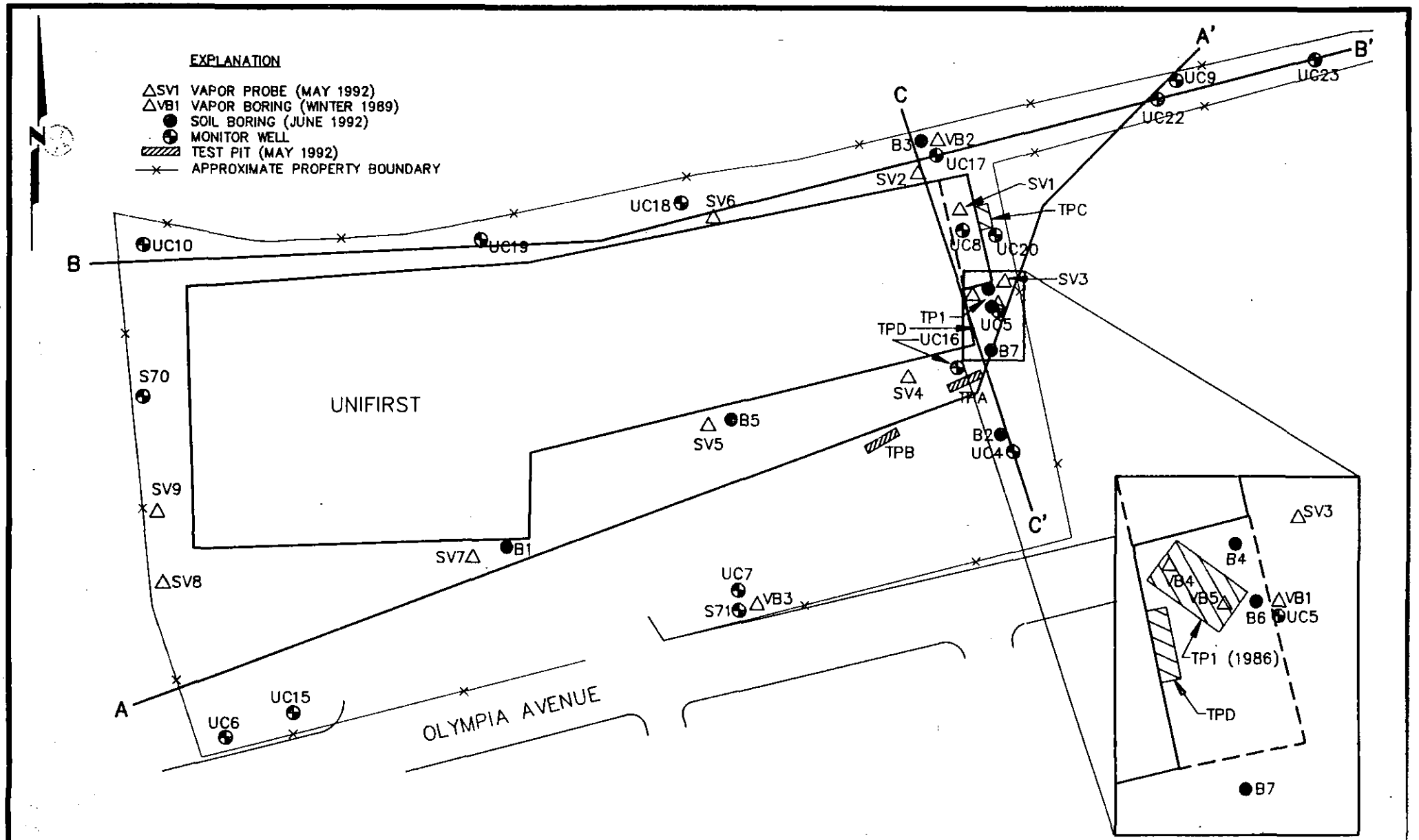
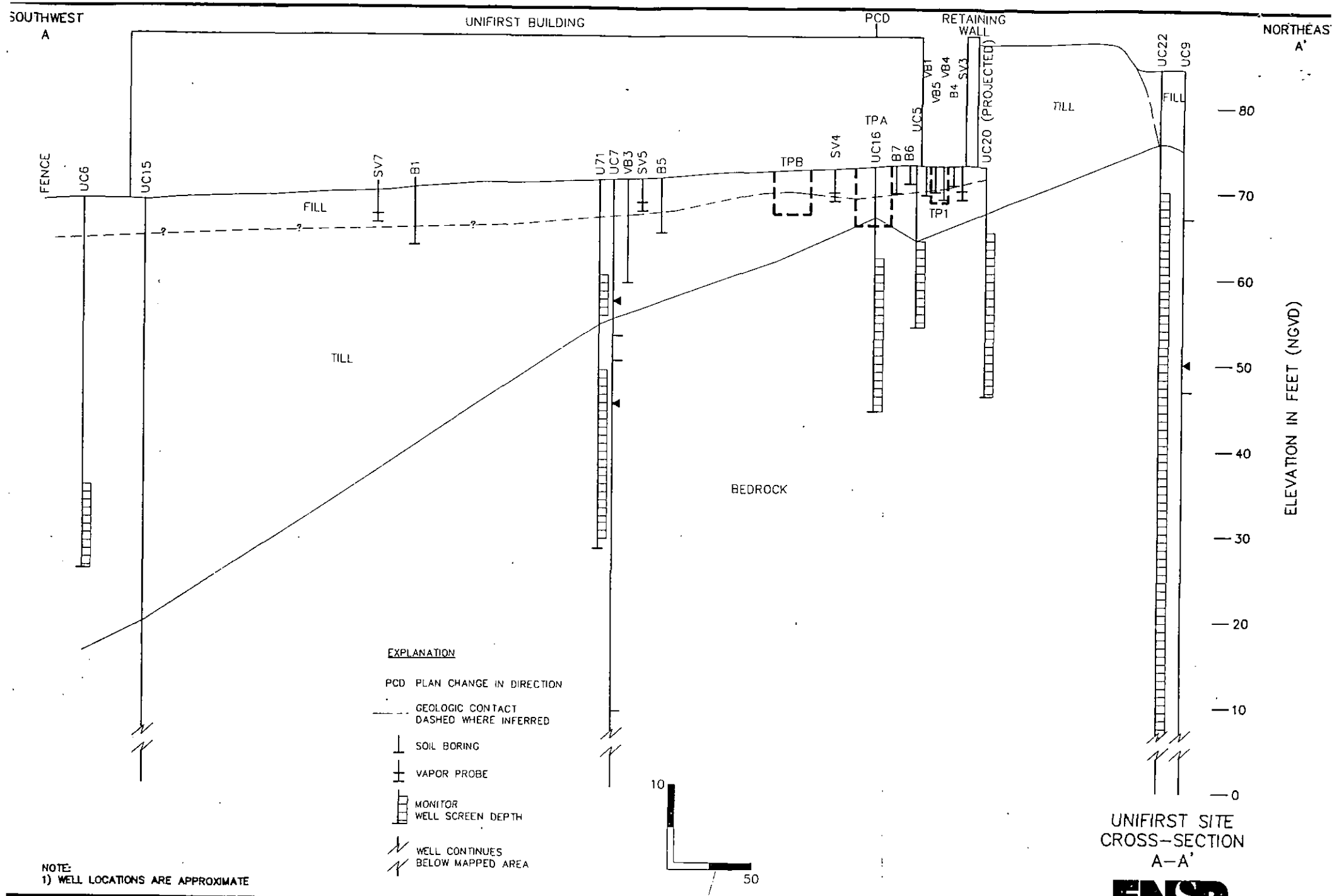


UNIFIRST SITE
CROSS-SECTION AND
UNSATURATED ZONE
SAMPLING POINT LOCATIONS

ENSR



NOTE:
1) WELL LOCATIONS ARE APPROXIMATE

UNIFIRST SITE
CROSS-SECTION
A–A'

ENSR

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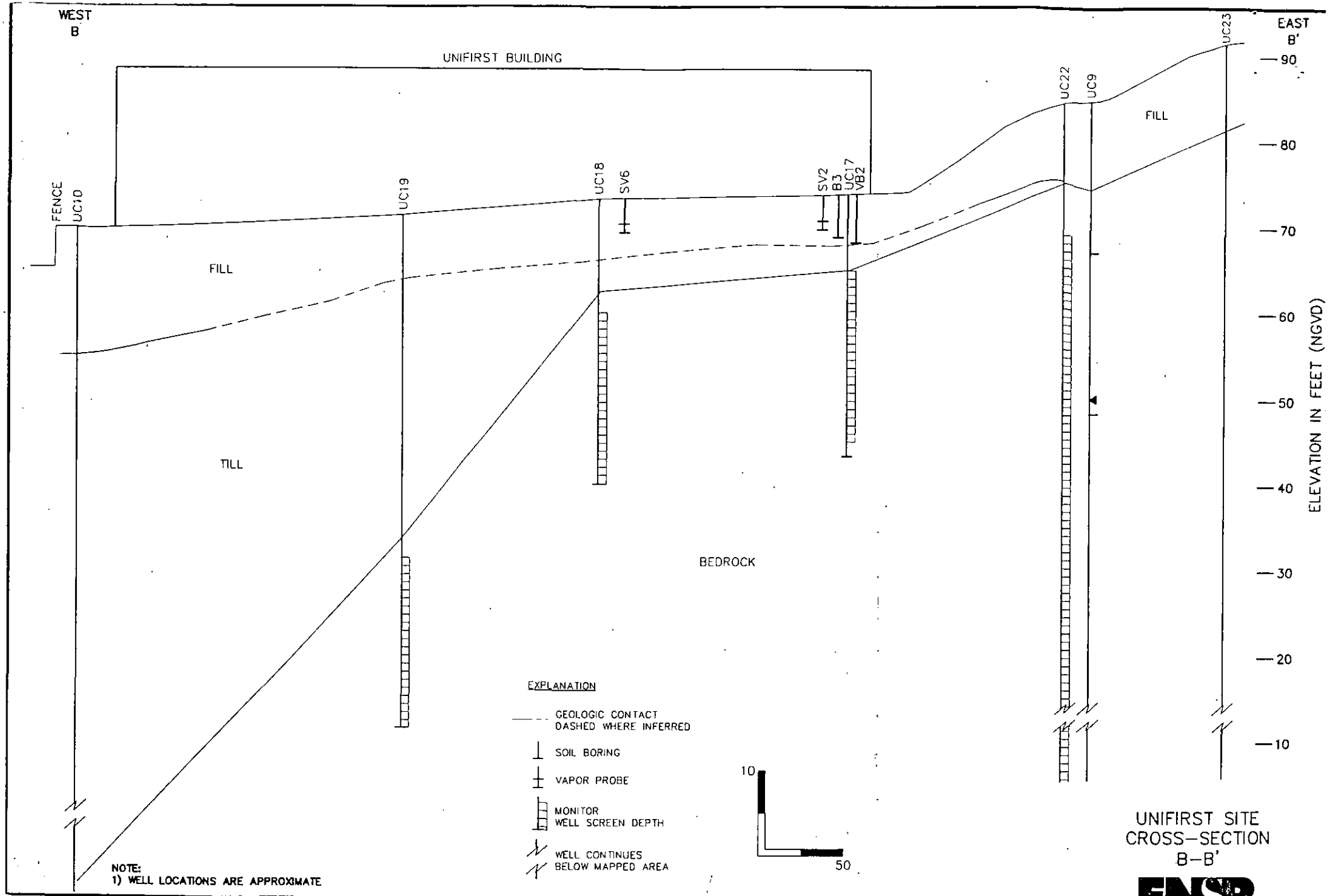

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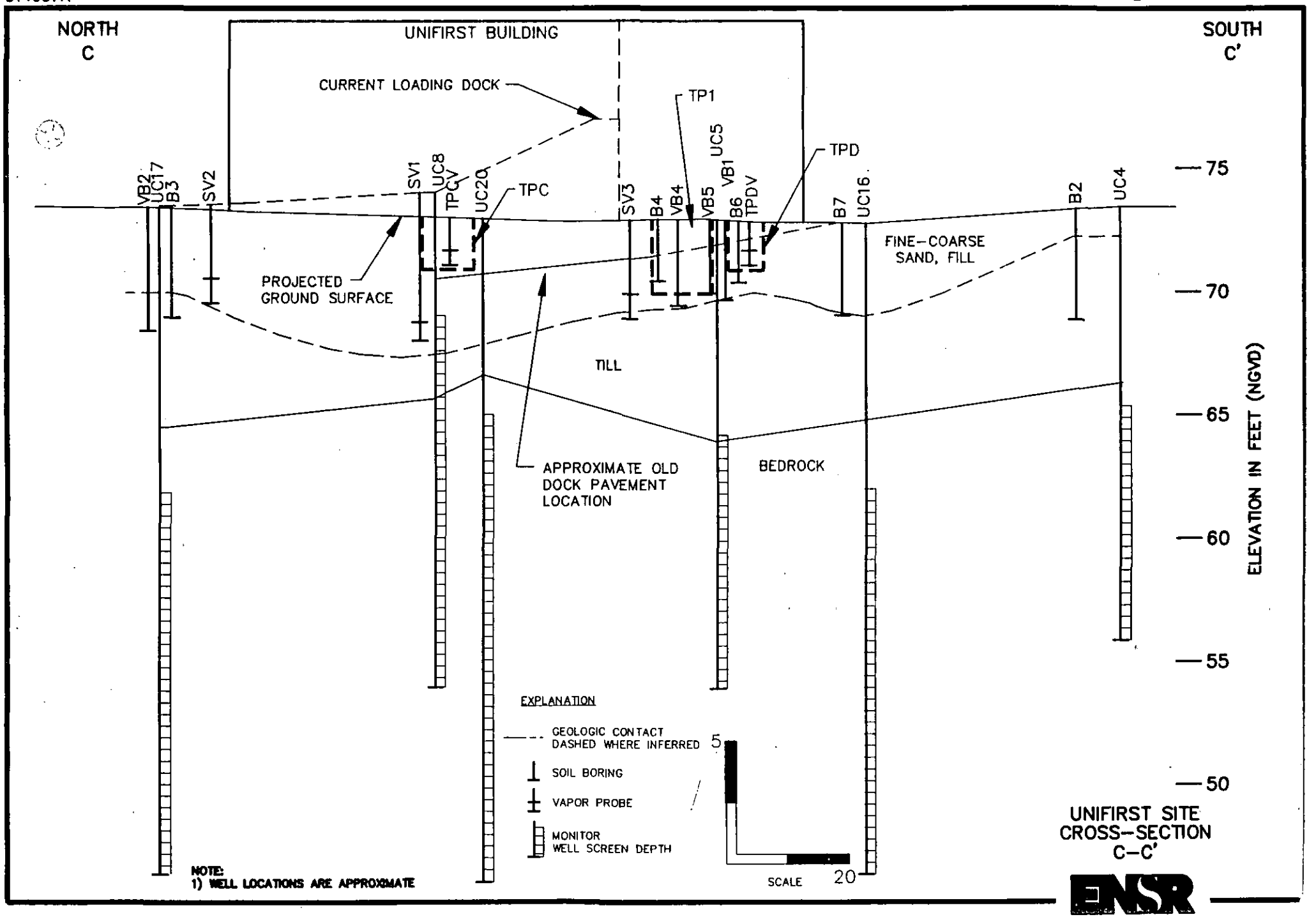

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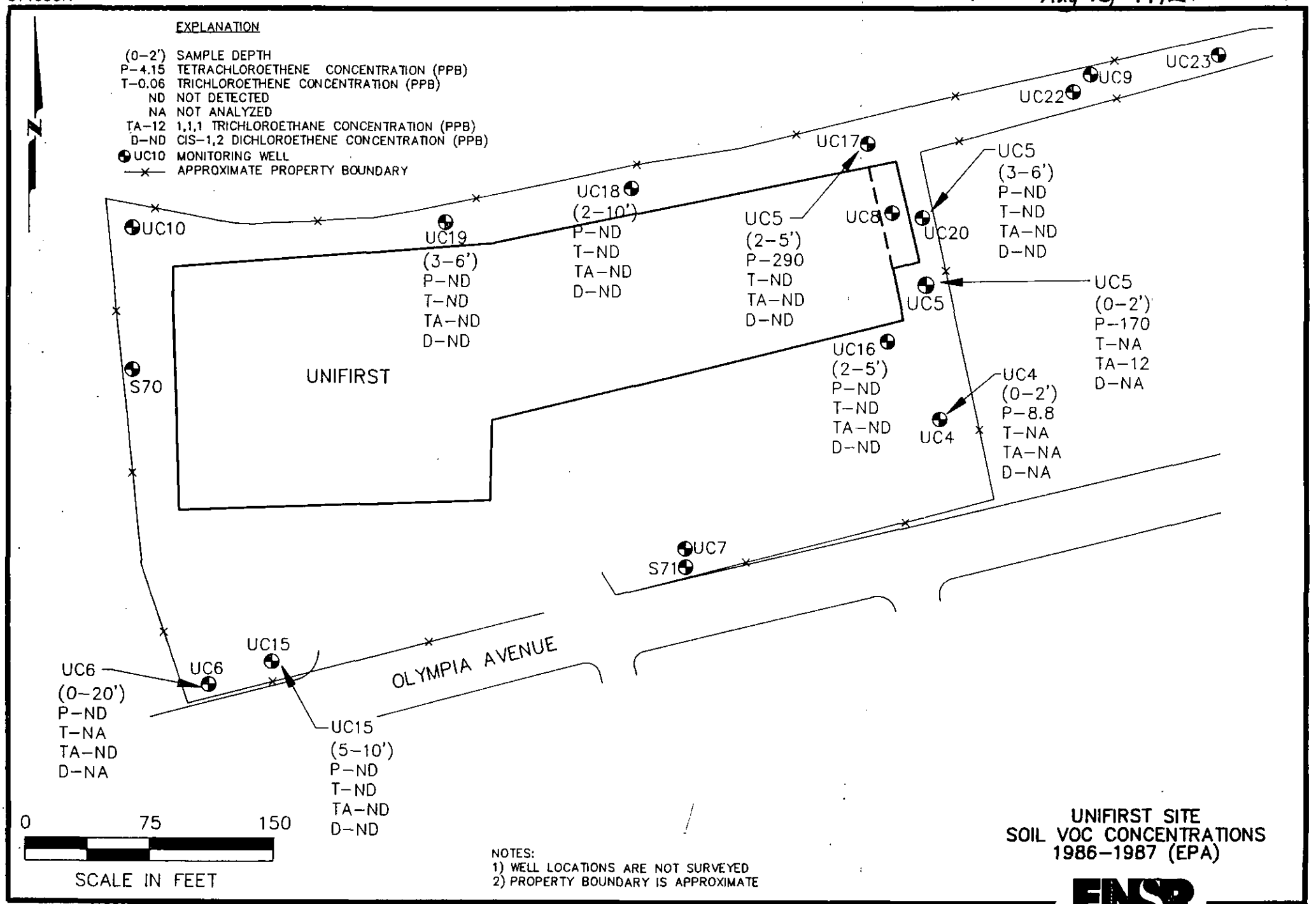

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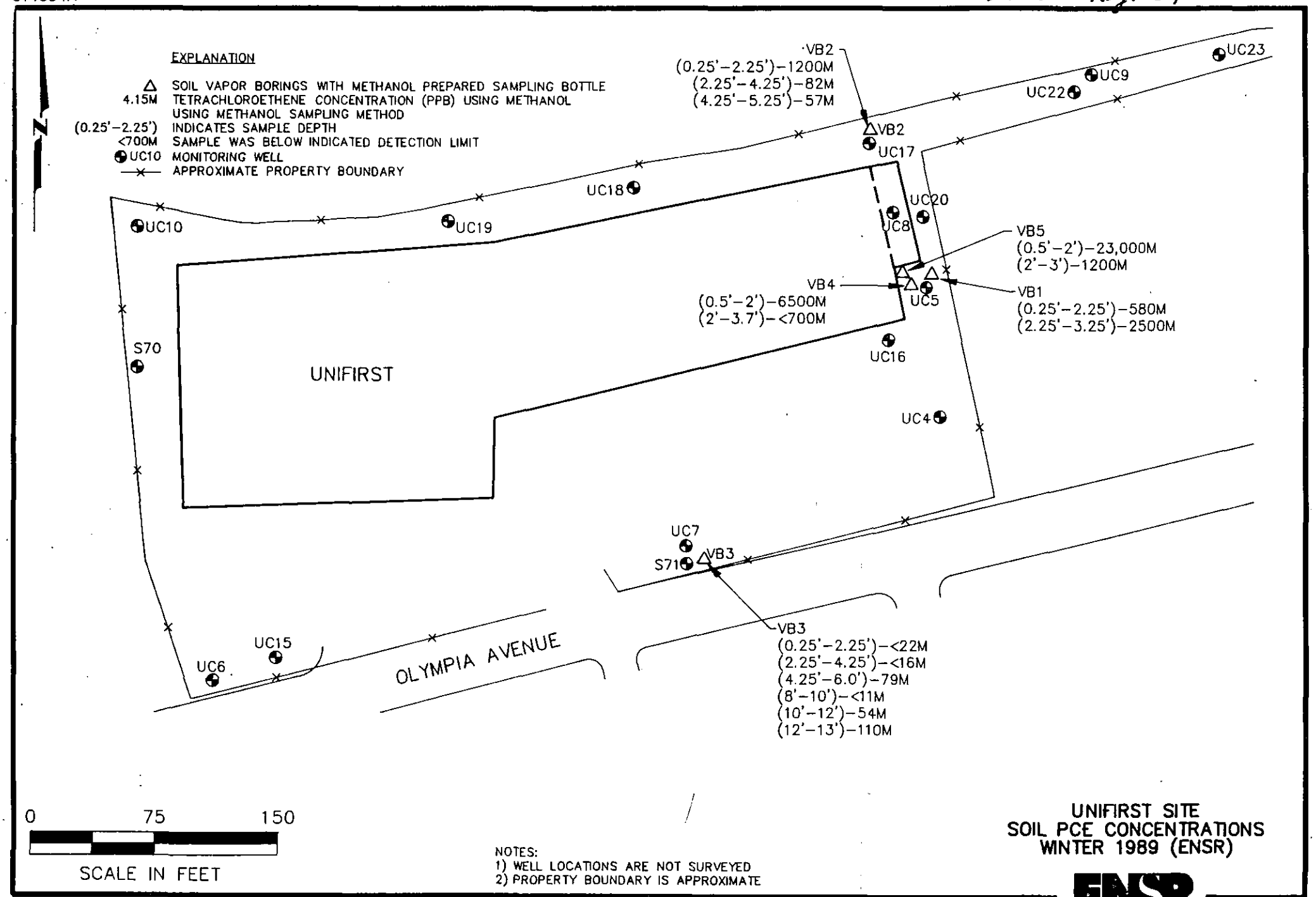

NOTES:
1) WELL LOCATIONS ARE NOT SURVEYED
2) PROPERTY BOUNDARY IS APPROXIMATE

UNIFIRST SITE
SOIL PCE CONCENTRATIONS
WINTER 1989 (ENSR)

ENSR

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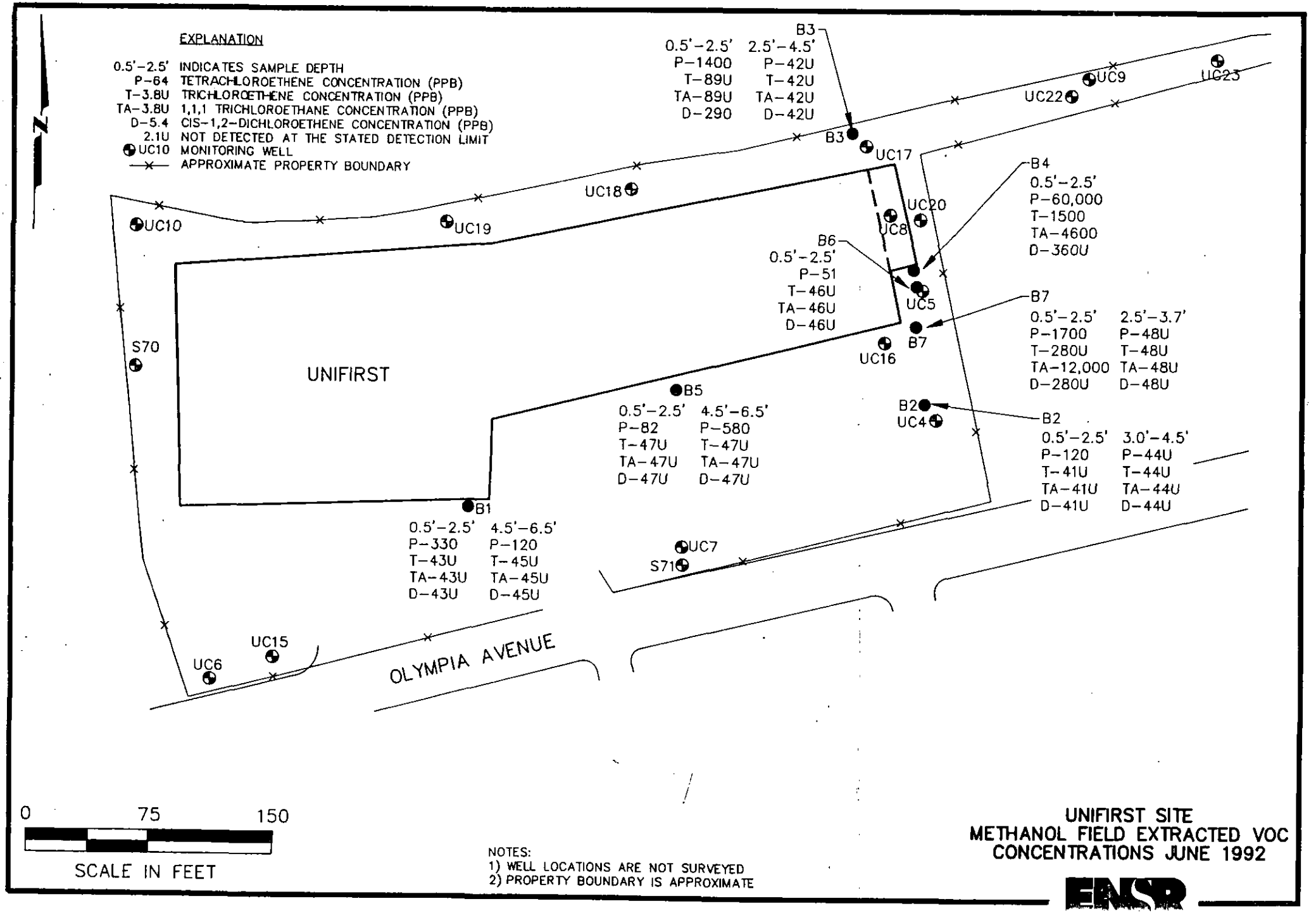

NOTES:
1) WELL LOCATIONS ARE NOT SURVEYED
2) PROPERTY BOUNDARY IS APPROXIMATE

UNIFIRST SITE
METHANOL FIELD EXTRACTED VOC
CONCENTRATIONS JUNE 1992

ENSR

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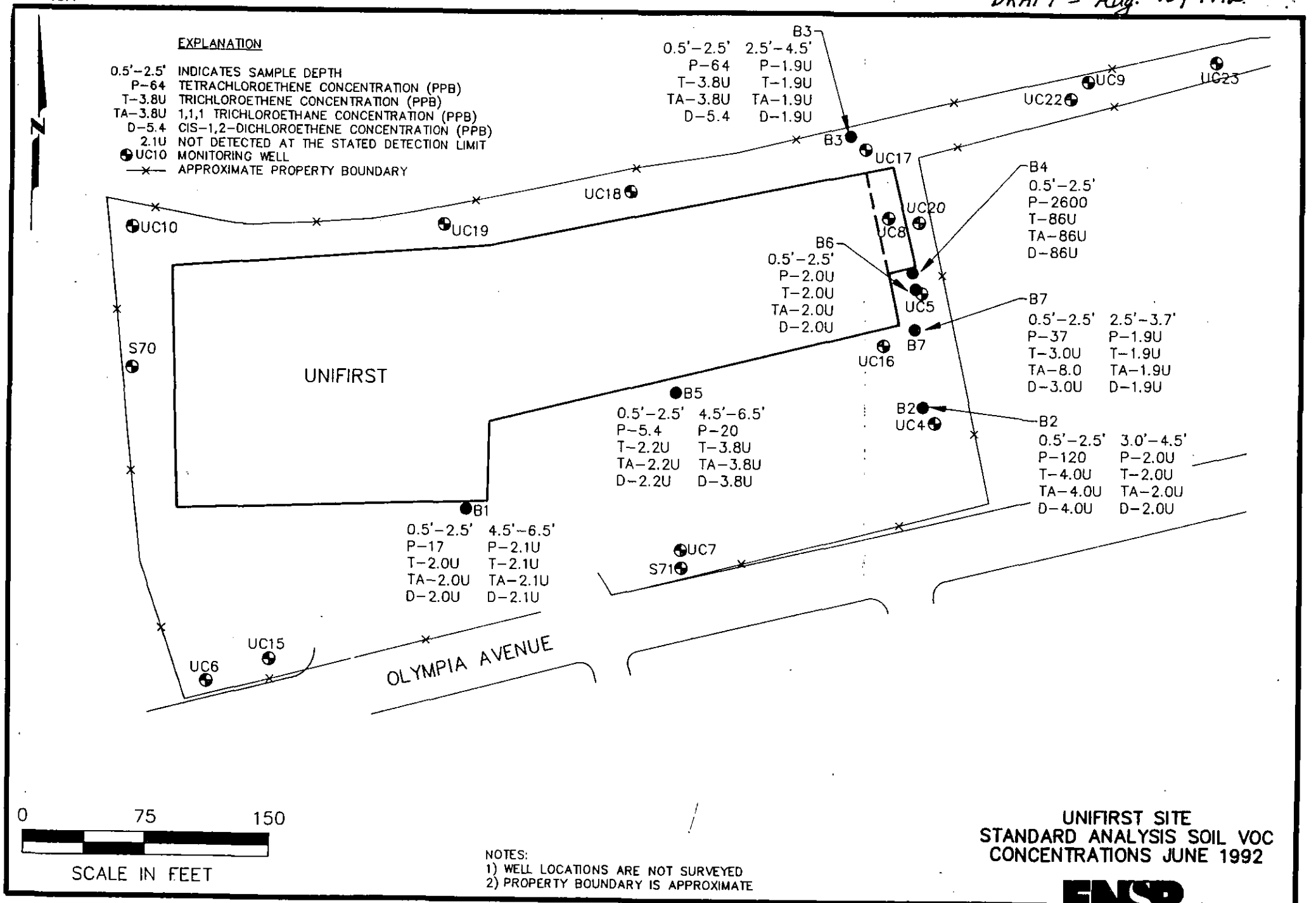

NOTES:
1) WELL LOCATIONS ARE NOT SURVEYED
2) PROPERTY BOUNDARY IS APPROXIMATE

UNIFIRST SITE
STANDARD ANALYSIS SOIL VOC
CONCENTRATIONS JUNE 1992

ENSR

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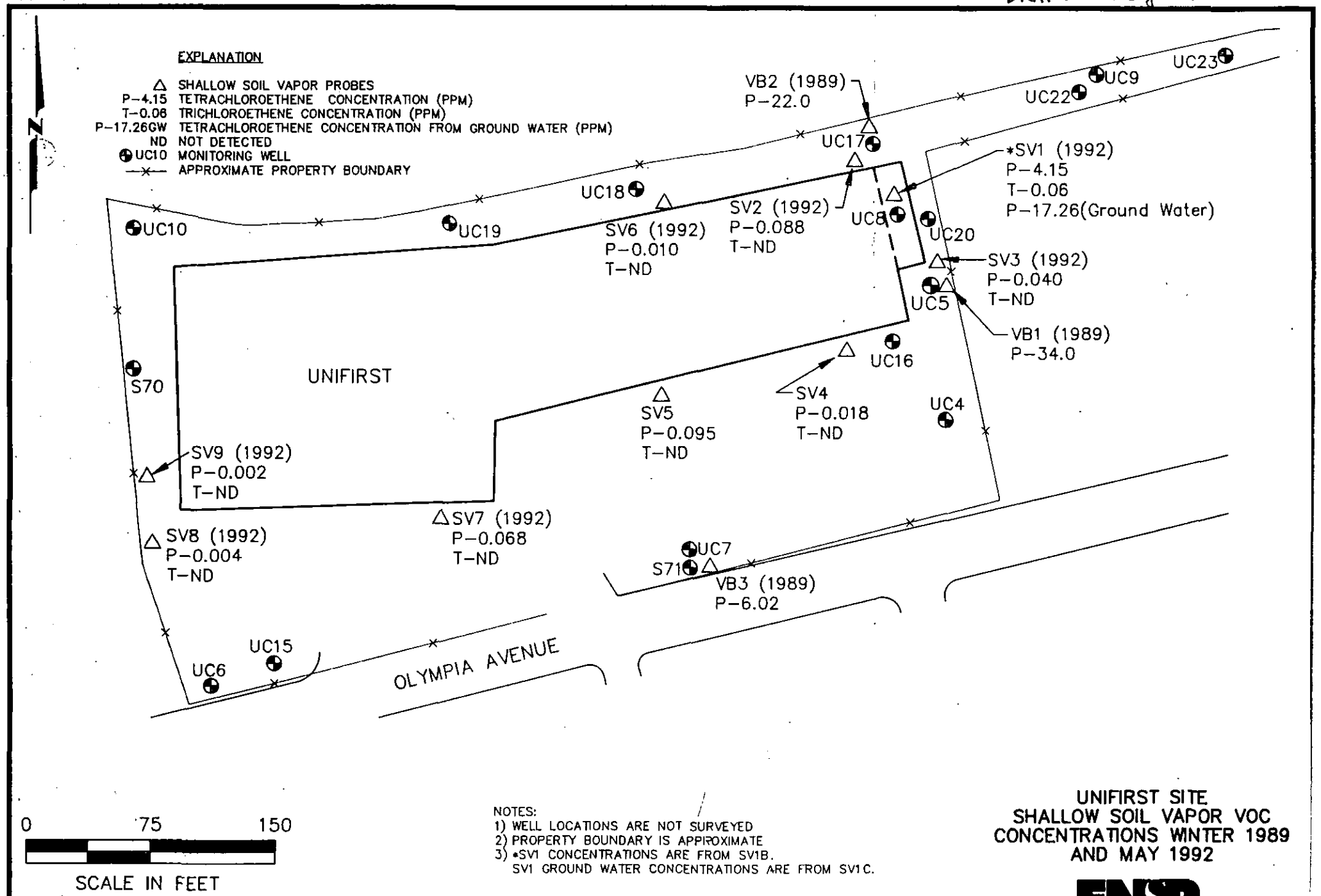

NOTES:
1) WELL LOCATIONS ARE NOT SURVEYED
2) PROPERTY BOUNDARY IS APPROXIMATE
3) *SV1 CONCENTRATIONS ARE FROM SV1B.
SV1 GROUND WATER CONCENTRATIONS ARE FROM SV1C.

UNIFIRST SITE
SHALLOW SOIL VAPOR VOC
CONCENTRATIONS WINTER 1989
AND MAY 1992

ENSR

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UNIFIRST PROPERTY
SOIL SAMPLE RESULTS
TETRACHLOROETHENE CONCENTRATIONS

Location	Date	Depth (feet)	CONCENTRATION (µg/kg) Standard Method	Methanol Method
B1	1992	0.5-2.5	17	330
		4.5-6.5	2.1U	120
UC-4	1986	0-2	8.8	
(B2)	1992	0.5-2.5	120	120
		3.0-4.5	2.0U	44U
UC-5	1986	0.0-2.0	178	
		4.0-6.0	ND	
(VB1)	1989	.25-2.25		580
		2.3-3.3		2500
(B6)	1992	0.5-2.5	2.0U	51
UC-6	1986	0.0-2.0	ND	
		2.0-4.0	ND	
		4.0-6.0	ND	
		18-20	ND	
UC-7	1986	1	61	
		2	10	
(VB3)	1989	.25-2.25		<22
		2.3-4.3		<16
		4.3-6.0		79
		8.0-10.0		<11
		10.0-12.0		54
		12.0-13.0		110
UC-15	1987	5.0-10	ND	
UC-16	1987	2.0-5.0	ND	

ND = Non-detect, 0.0U = Not detected at 0.0, J = estimated

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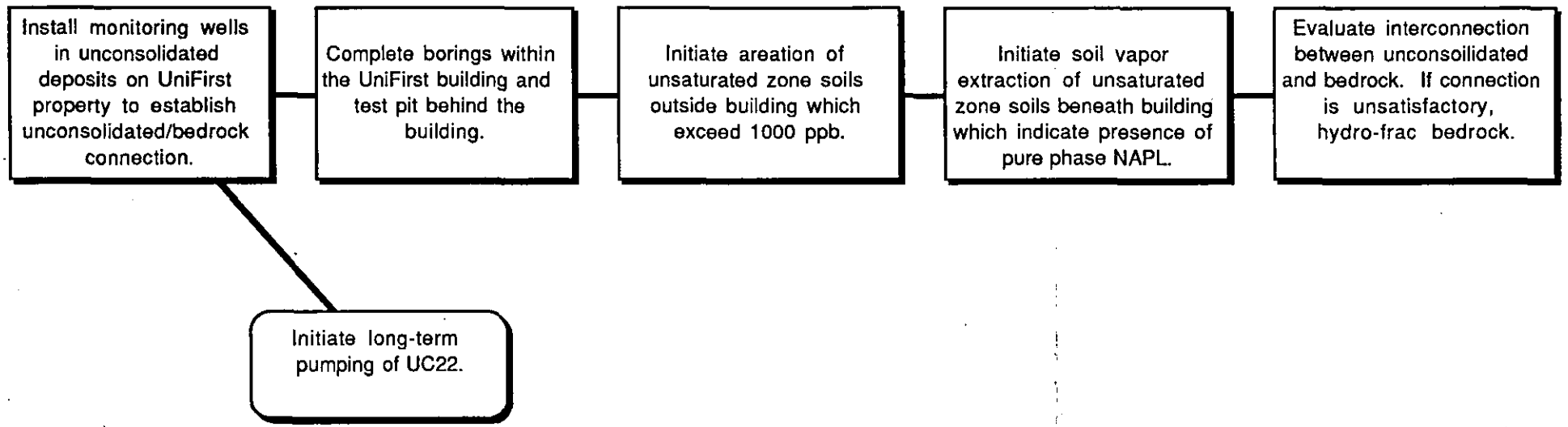
UNIFIRST PROPERTY
SOIL SAMPLE RESULTS
TETRACHLOROETHENE CONCENTRATIONS

Location	Date	Depth (feet)	CONCENTRATION (µg/kg) Standard Method	Methanol Method
UC-17	1987	2.0-5.0	290	
(VB2)	1989	.25-2.25		1200
		2.3-4.3		82
		4.5-5.3		57
(B3)	1992	.05-2.5	64	1400
		2.5-4.5	2.0U	42U
UC-18	1987	2.0-5.0	ND	
		5.0-10	ND	
UC-19	1987	3.0-6.0	ND	
UC-20	1987	3.0-6.0	ND	
SOUTH END OF LOADING DOCK				
VB4	1989	0.5-2.0		6500
		2.0-3.7		<700
VB5	1989	0.5-2.0		23000
		2.0-3.0		1200
B4	1992	0.5-2.5	2600	59000
TEST PITS				
Test Pit C	1992	2.2		180J
		3.8		680
		4.8		580
		4.8		210J
Test Pit D	1992	2.5		150J
		3.9		250U
		5.2		810
		5.2		350

ND = Non-detect, 0.0U = Not detected at 0.0, J = estimated

CONCEPTUAL CRITICAL PATH SCHEDULE

UNCONSOLIDATED DEPOSITS RD/RA

AUGUST 13, 1992