Final
Remedial Investigation Report
Presidio Main Installation

Presidio of San Francisco

Volume V
Figures Sections 7-15

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13. ABSTRACT *(Maximum 200 words)*

Dames and Moore has conducted a Remedial Investigation (RI) of the Presidio of San Francisco (PSF), CA. The objectives of the RI included the determination of the nature and extent of contamination at PSF and to quantify both the human health and ecological risk posed by that contamination. The report concludes that, in general, the Presidio does not pose a significant risk to either human health or the environment. There are, however, a number of locations where elevated risks are present. The remedial actions to abate those risks will be identified in a follow -on document called the "Presidio Main Installation, Feasibility Study".

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1. INTRODUCTION

This Final Remedial Investigation (RI) Report presents the results of the Main Installation RI conducted under the direction of the U.S. Army Environmental Center (USAEC), formerly U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) at the Presidio of San Francisco (PSF). This RI report was prepared by Dames & Moore under contract No. DAAA15-90-D-0018 with the USAEC.

Volume V, this volume, of the Final Remedial Investigation Report contains the figures referenced by sections 7 through 15 of the report text in Volume I. Section tabs in this volume correspond to the section tabs in Volume I, making it easy to find the corresponding figure.

The remaining seven volumes contain information as follows: Volume I contains the text of the body of the report. Volume II contains the tables referenced in Volume I. Volume III contains the figures referenced by sections 1 through 5 of Volume I. Volume IV contains the figures referenced by section 6 of Volume I. Volumes VI through VIII contain supporting documentation for the RI in Appendices A through U.

The following report outline shows section and Appendix titles for all eight report volumes and is included in the introduction section of each volume of this RI report.

1.1 Report Outline: Final Remedial Investigation Report Presidio Main Installation, Presidio of San Francisco

The following outline lists the major sections in each of the eight volumes of this RI report.

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6. Building 900s Series Study Area
7. Directorate of Engineering and Housing Study Area
8. Main Post Study Area
9. Fill Sites and Landfills
10. Miscellaneous Sites
11. Golden Gate Bridge Highway and Transportation District Study Area
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13. Battery Howe/Wagner
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For space requirements in the index, and for brevity in the rest of this RI report, the Golden Gate Bridge, Highway, and Transportation District Study Area is abbreviated as GGBHTD Study Area. For the same reasons, the Directorate of Engineering and Housing Study Area is abbreviated as DEH Study Area.

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Figure 13.5-6 Battery Howe/Wagner, Concentrations of Chromium in Soil

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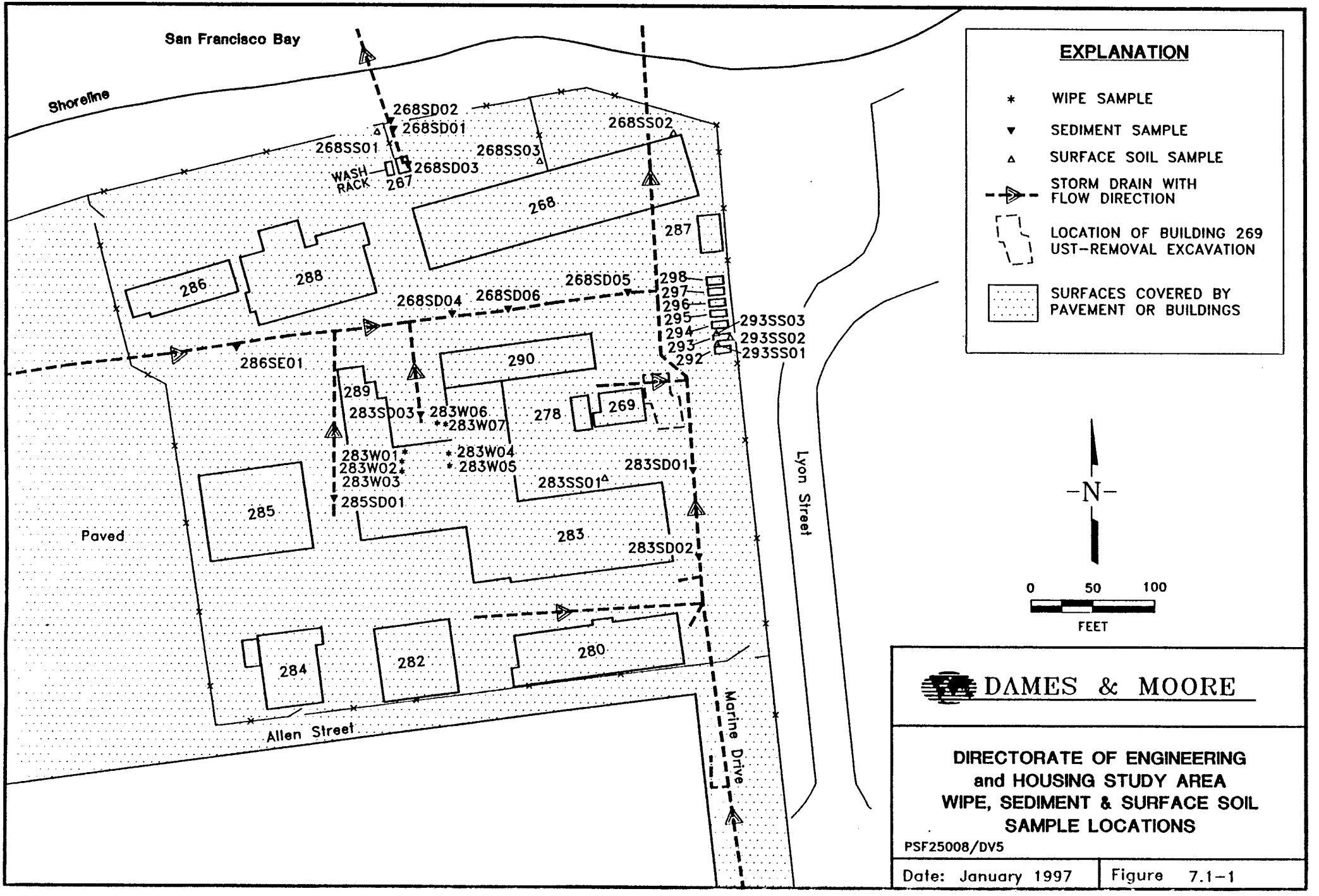

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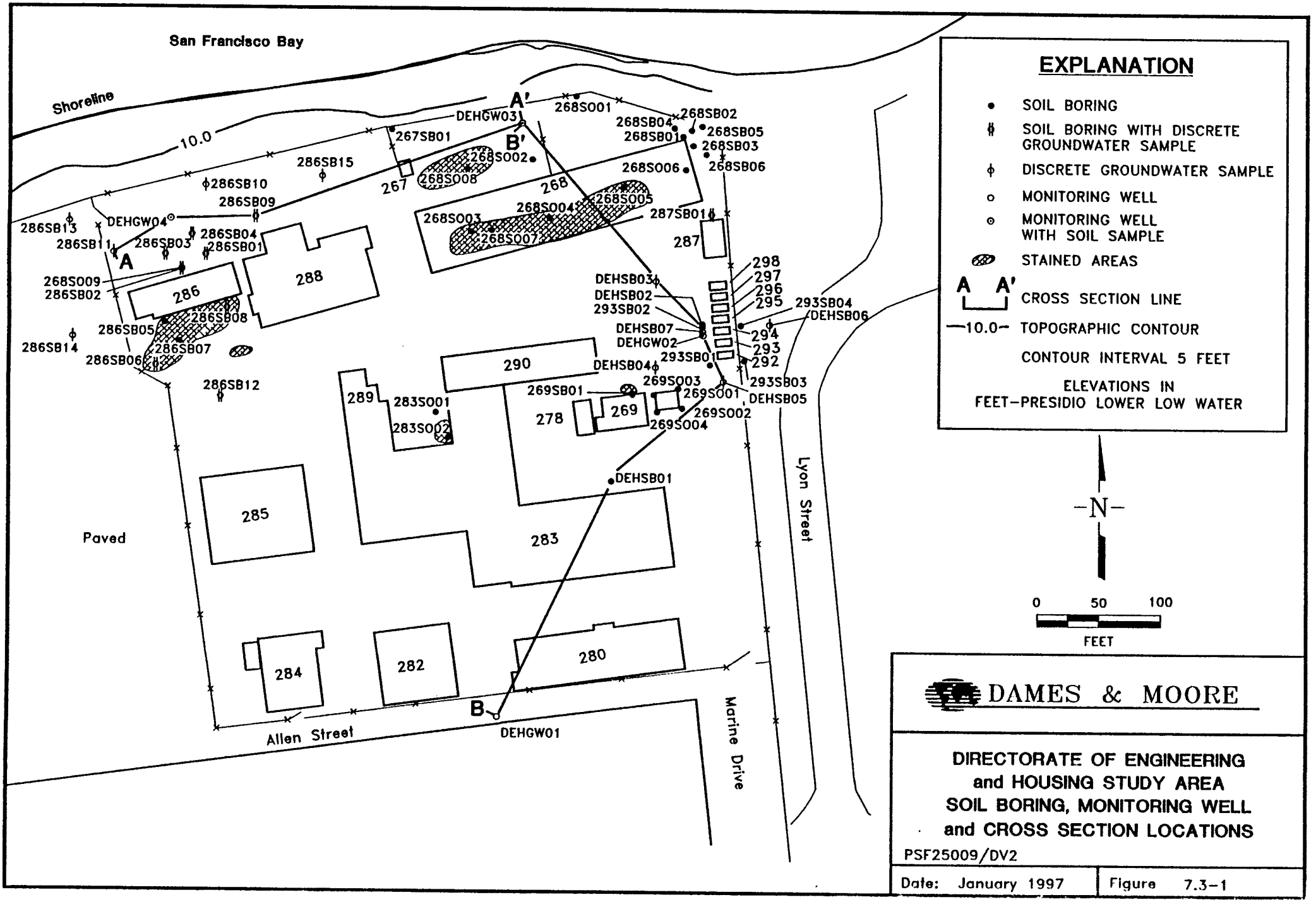
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA WIPE, SEDIMENT & SURFACE SOIL SAMPLE LOCATIONS

PSF25008/DV5

Date: January 1997 | Figure 7.1-1



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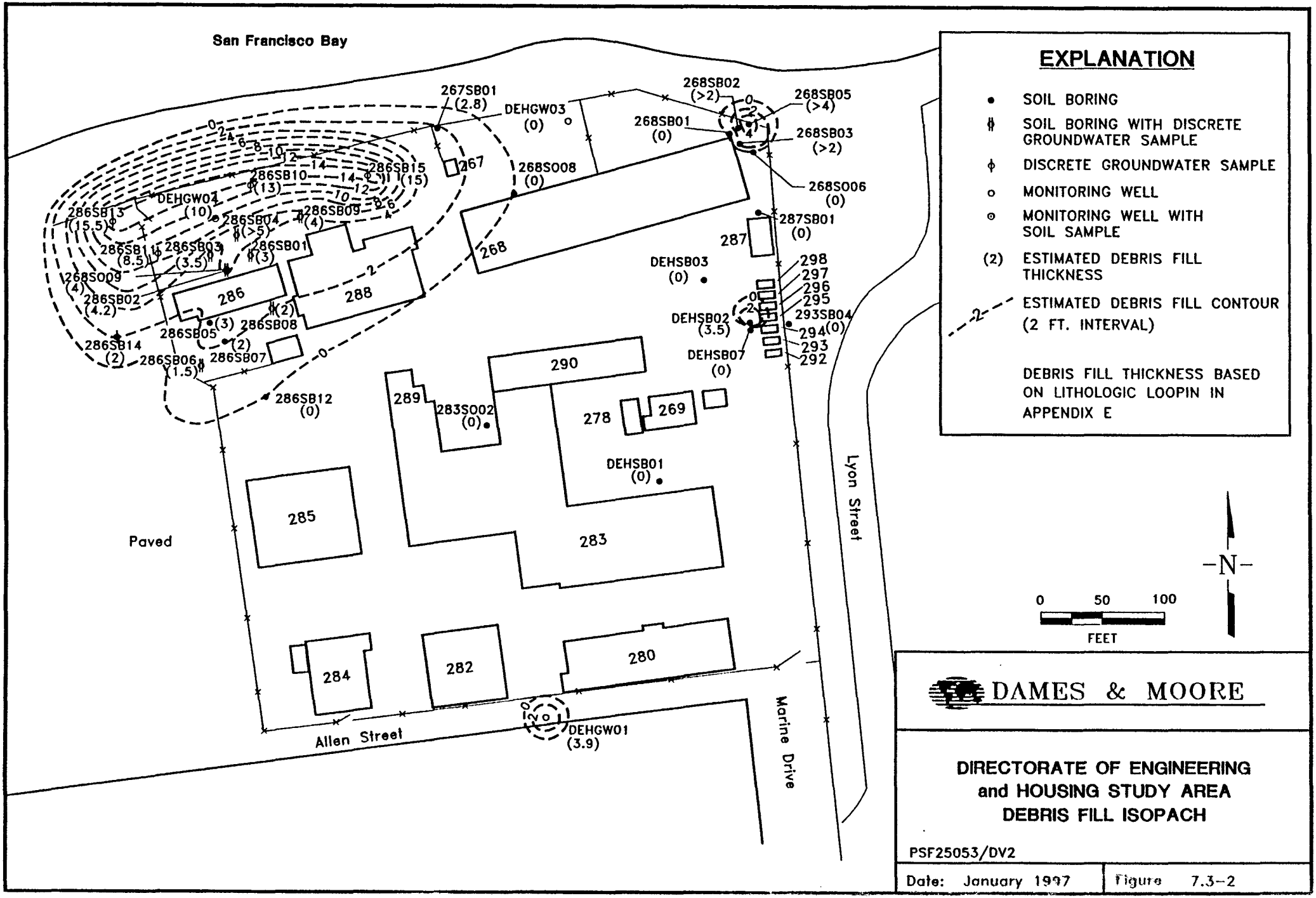
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA SOIL BORING, MONITORING WELL and CROSS SECTION LOCATIONS

PSF25009/DV2

Date: January 1997 | Figure 7.3-1



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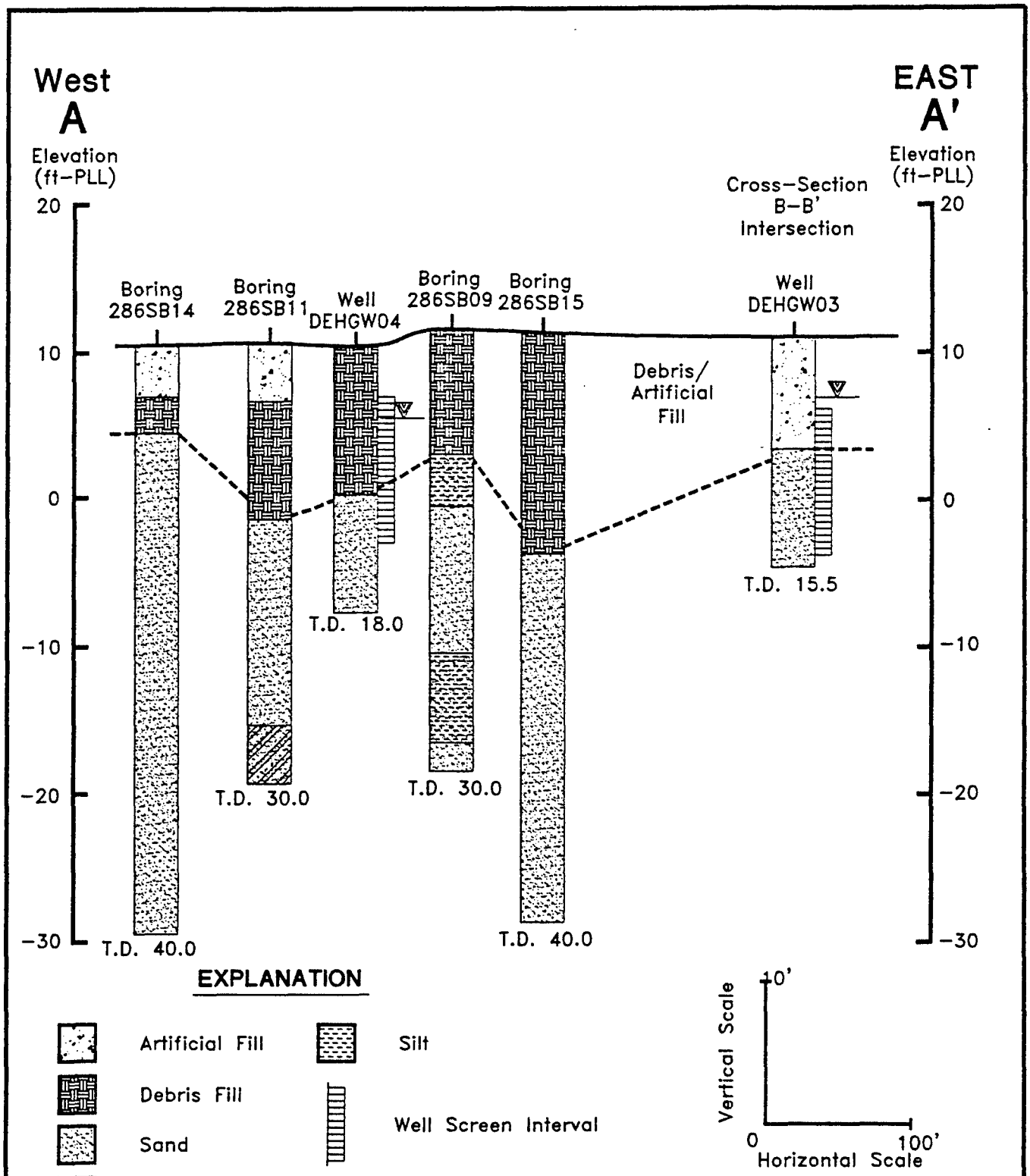
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA DEBRIS FILL ISOPACH

PSF25053/DV2

Date: January 1997 | Figure 7.3-2



EXPLANATION

- Artificial Fill
- Debris Fill
- Sand
- Clay
- Silt
- Well Screen Interval

Vertical Scale 10'
0 100'
Horizontal Scale

Contact, dashed where inferred

Water Level (3/16/95, 9:55-10:02 PST, High Tide 10:50 PST, 5.4 ft-PLL)

T.D. Total Depth (ft bgs)

ft-PLL feet-Presidio Lower Low Water

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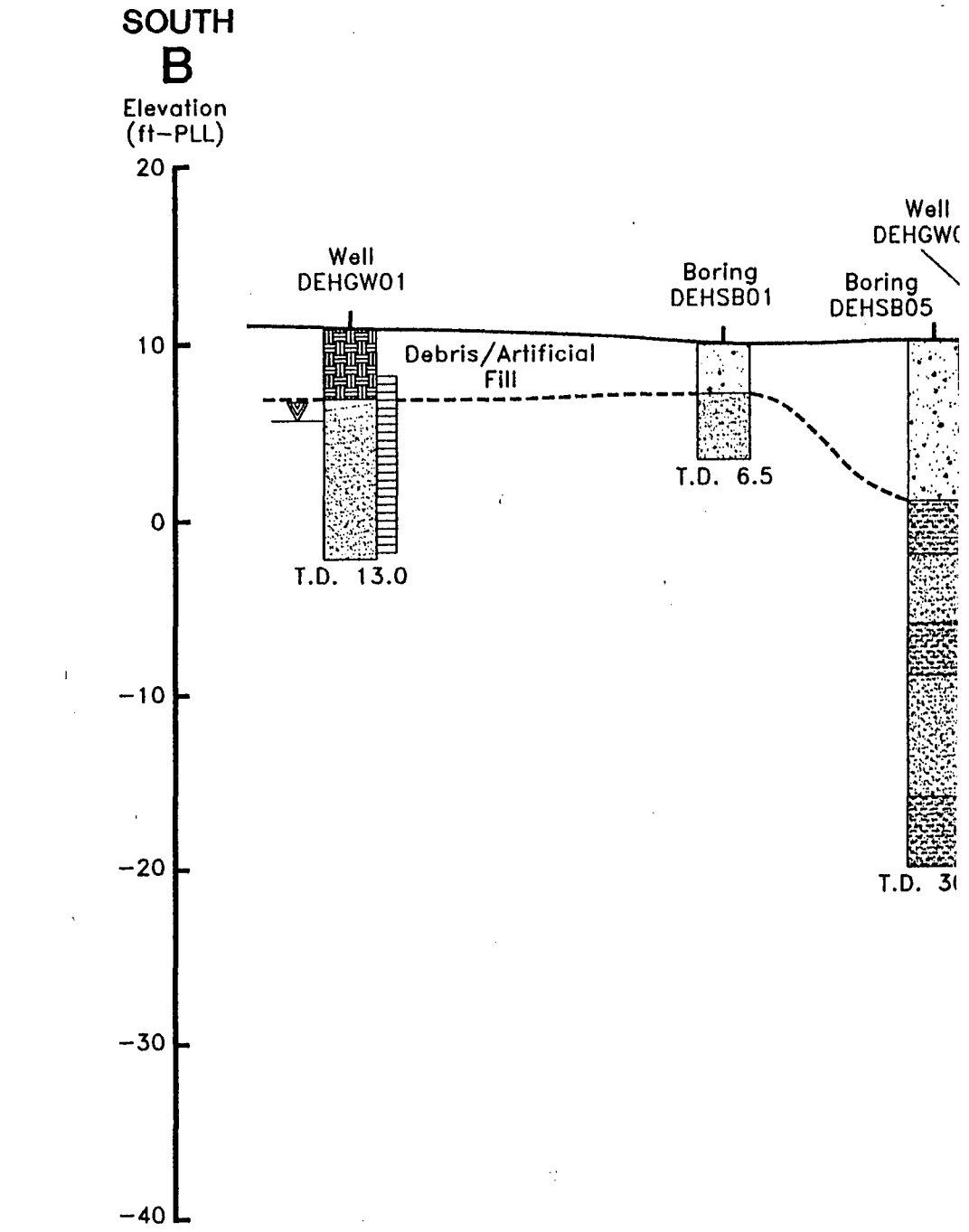
DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA CROSS SECTION A-A'

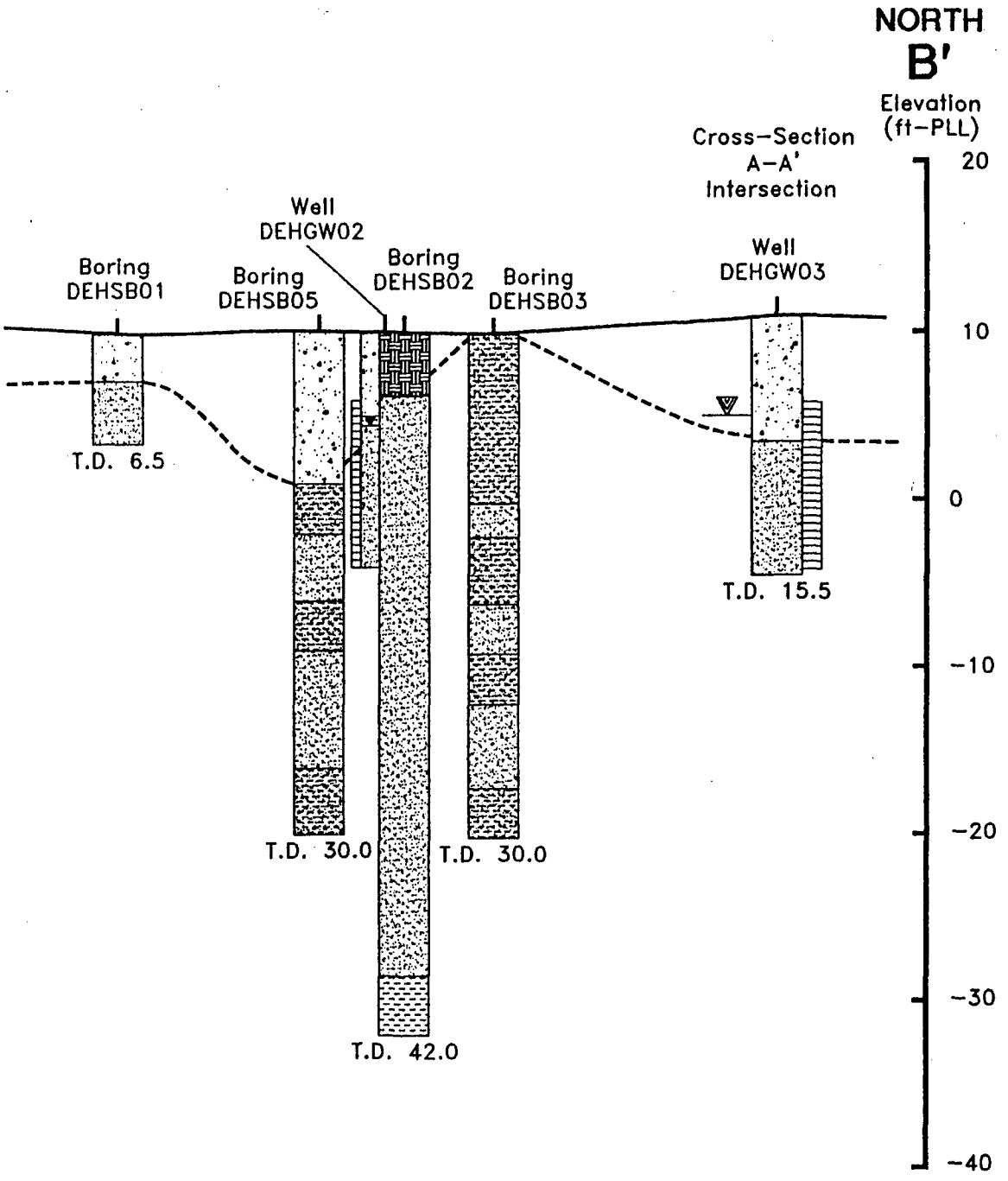
PSF25040/DV2

Date: January 1997 | Figure 7.3-3



EXPLANATION

- Artificial Fill
- Debris Fill
- Clay
- Silt
- Sand
- Contact, dashed where infer
- Water Level (03/16/95, 095
  High Tide 1050 PST, 5.4 ft-
- T.D. — Total Depth (ft bgs)
- ft-PLL — feet-Presidio Lower Low Wa
- Well Screen Interval



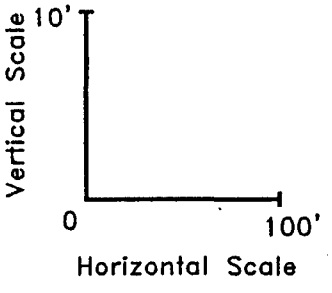
Contact, dashed where inferred

Water Level (03/16/95, 0955-1010 PST, High Tide 1050 PST, 5.4 ft-PLL)

Total Depth (ft bgs)

feet-Presidio Lower Low Water

Well Screen Interval



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CROSS

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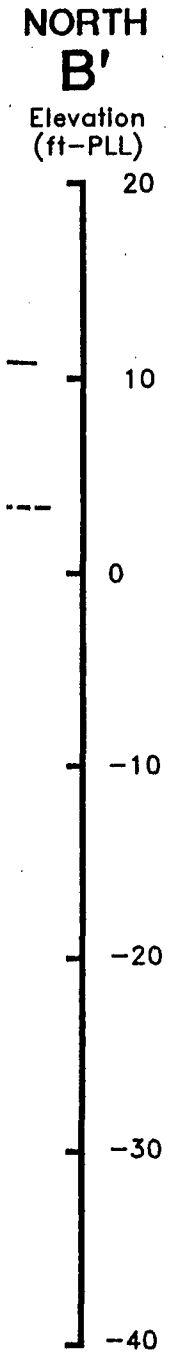
Date: January 199



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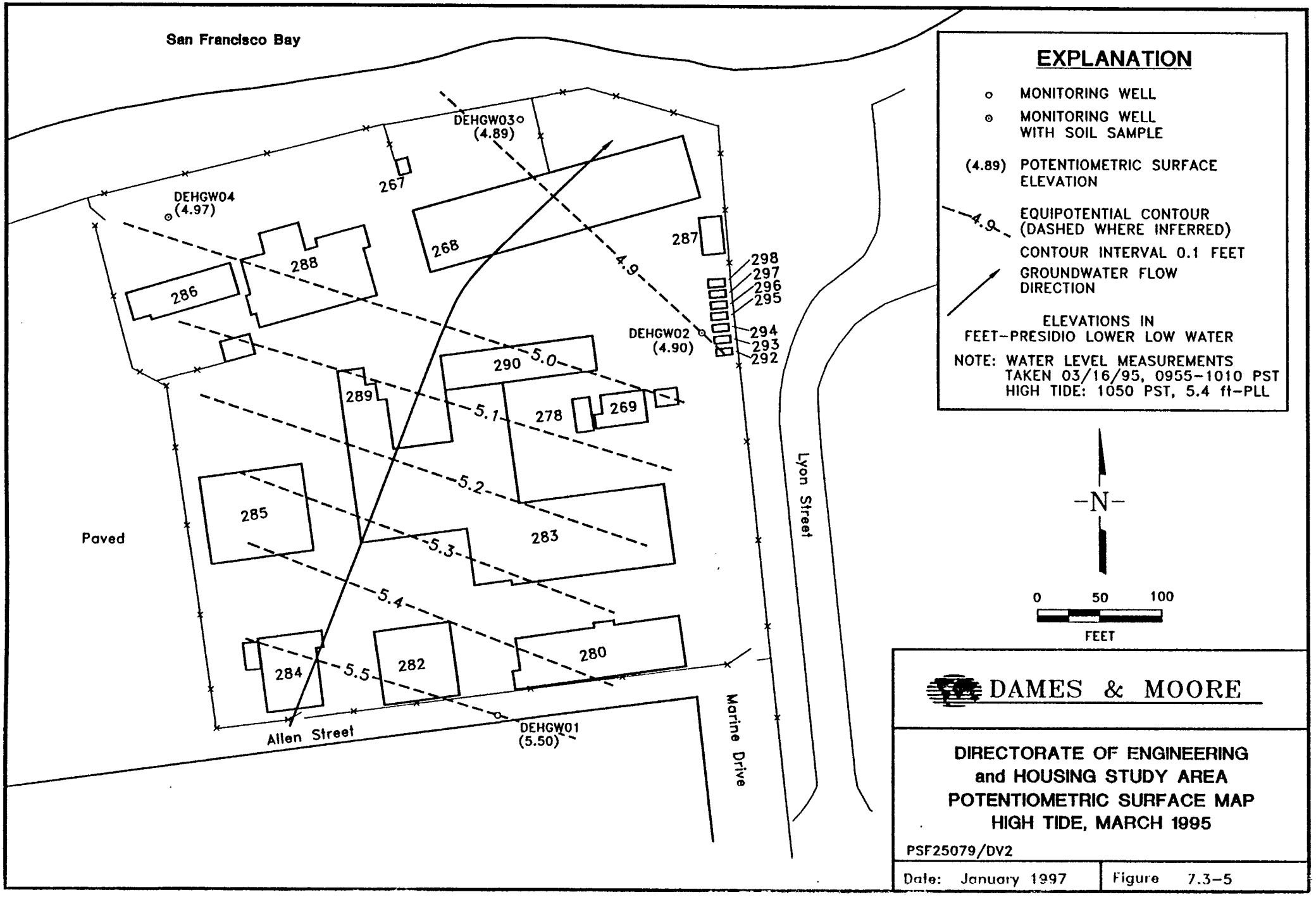
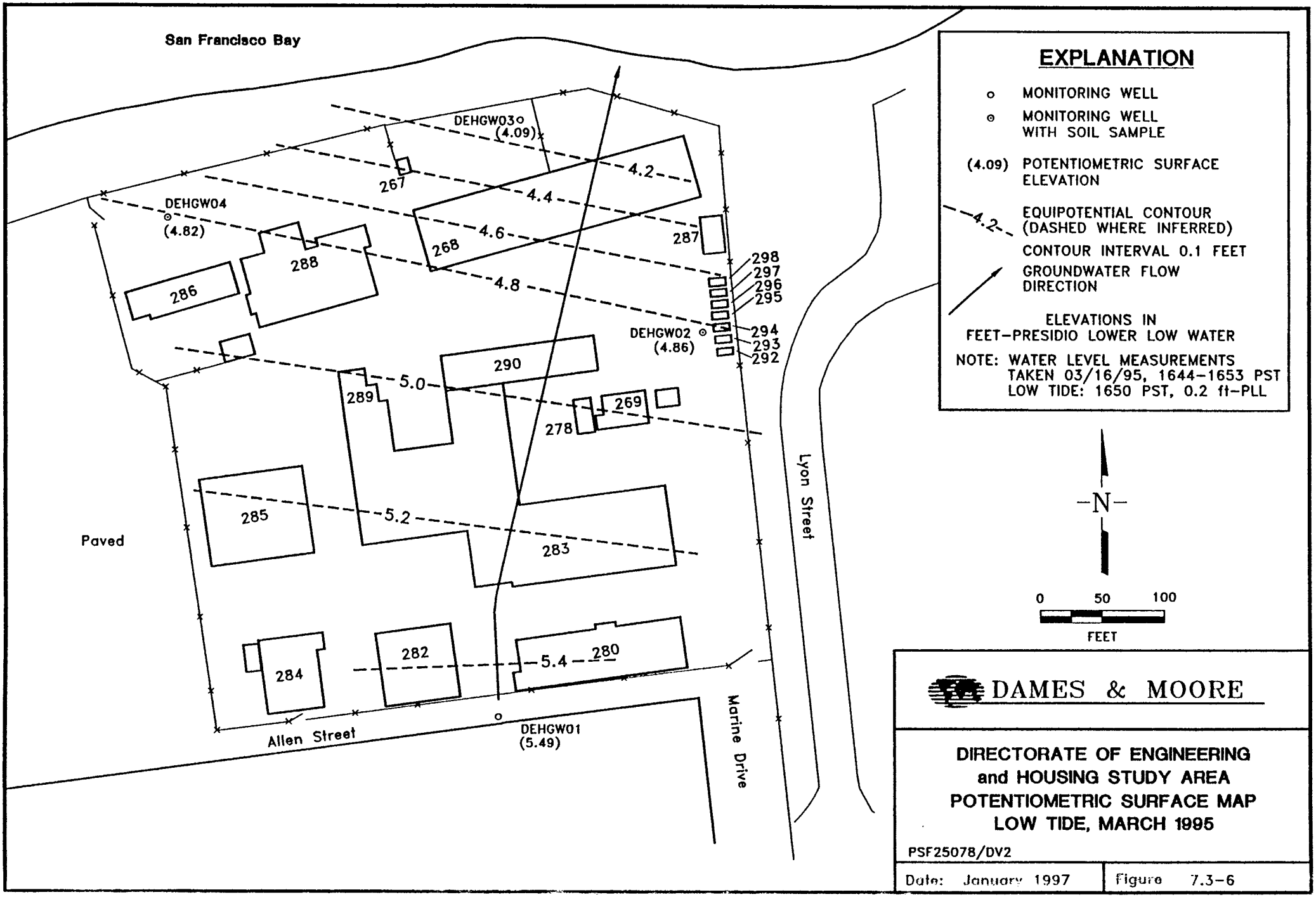
DIRECTORATE OF ENGINEERING
& HOUSING STUDY AREA
CROSS SECTION B-B'

PSF25039/DV2

Date: January 1997 | Figure 7.3-4


San Francisco Bay
DEHGW03
(4.89)
DEHGW04
(4.97)
267
268
287
288
286
298
297
296
295
294
293
292
DEHGW02
(4.90)
4.9
290
5.0
289
5.1
278
269
5.2
285
283
Paved
5.3
5.4
284
282
280
5.5
Allen Street
DEHGW01
(5.50)
Marine Drive
Lyon Street
EXPLANATION
MONITORING WELL
MONITORING WELL WITH SOIL SAMPLE
(4.89) POTENTIOMETRIC SURFACE ELEVATION
4.9 EQUIPOTENTIAL CONTOUR (DASHED WHERE INFERRED)
CONTOUR INTERVAL 0.1 FEET
GROUNDWATER FLOW DIRECTION
ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER
NOTE: WATER LEVEL MEASUREMENTS TAKEN 03/16/95, 0955-1010 PST
HIGH TIDE: 1050 PST, 5.4 ft-PLL
-N-
0
50
100
FEET
DAMES & MOORE
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA
POTENTIOMETRIC SURFACE MAP
HIGH TIDE, MARCH 1995
PSF25079/DV2
Date: January 1997
Figure 7.3-5



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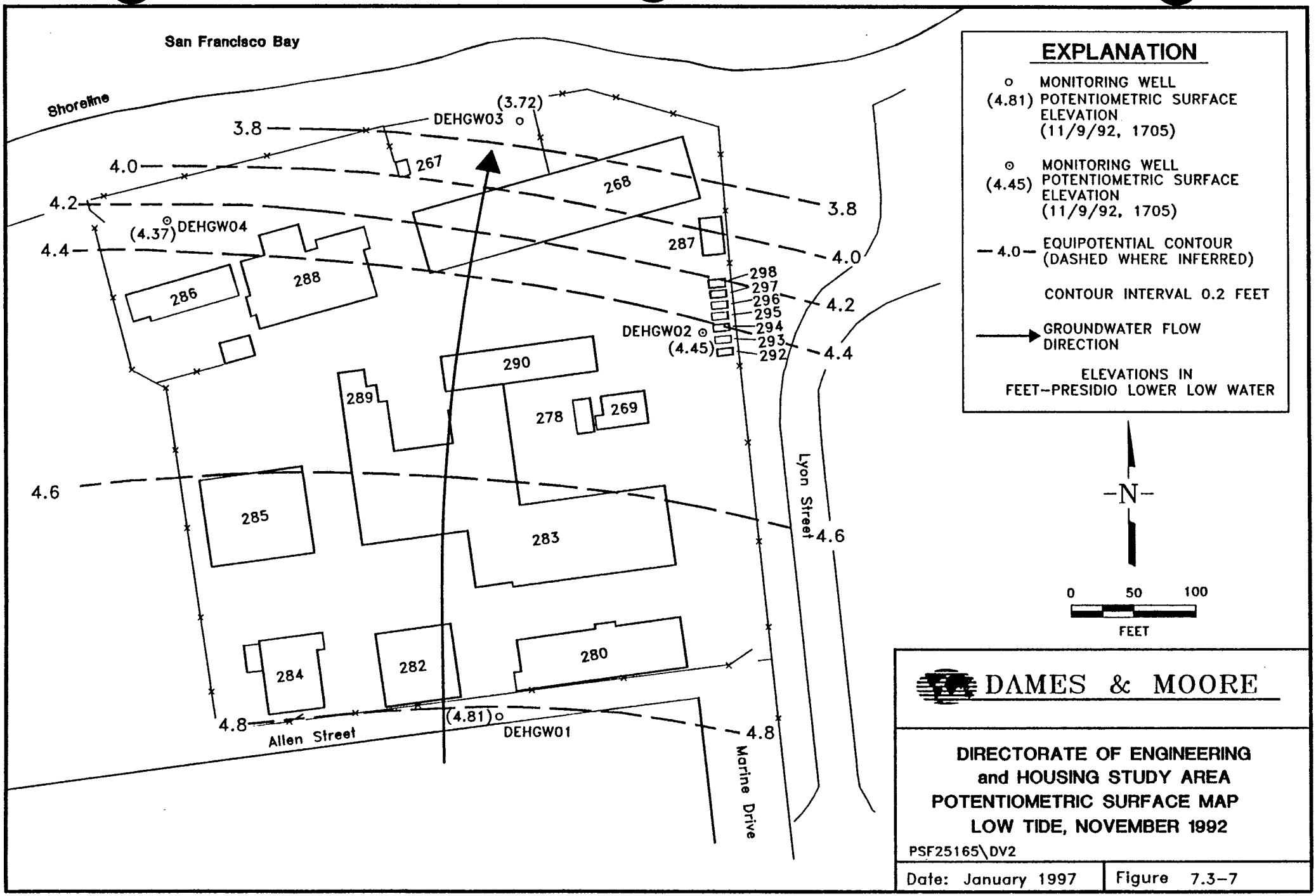
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA POTENTIOMETRIC SURFACE MAP LOW TIDE, MARCH 1995

PSF25078/DV2

Date: January 1997 | Figure 7.3-6



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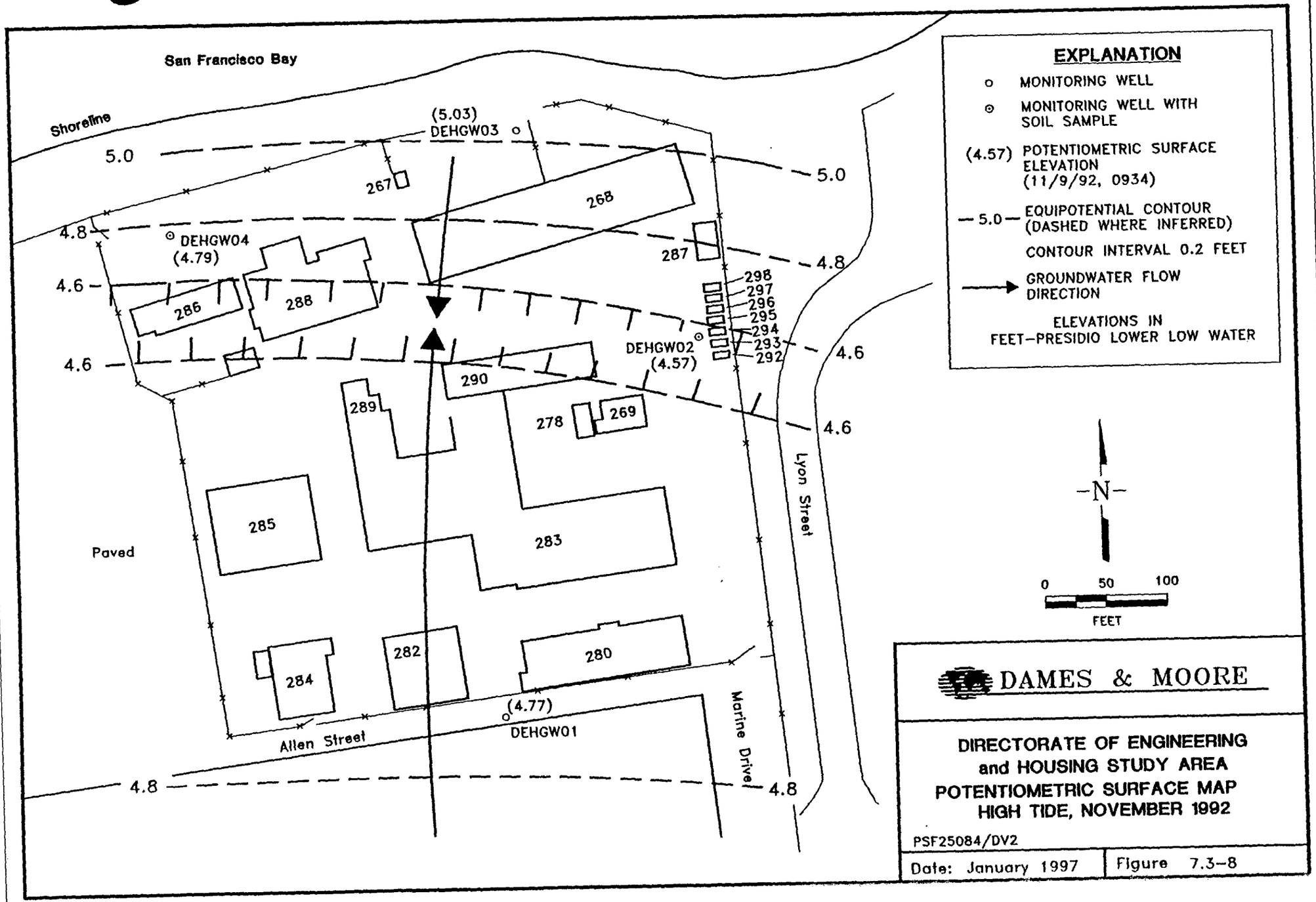
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA POTENTIOMETRIC SURFACE MAP LOW TIDE, NOVEMBER 1992

PSF25165\DV2

Date: January 1997

Figure 7.3-7



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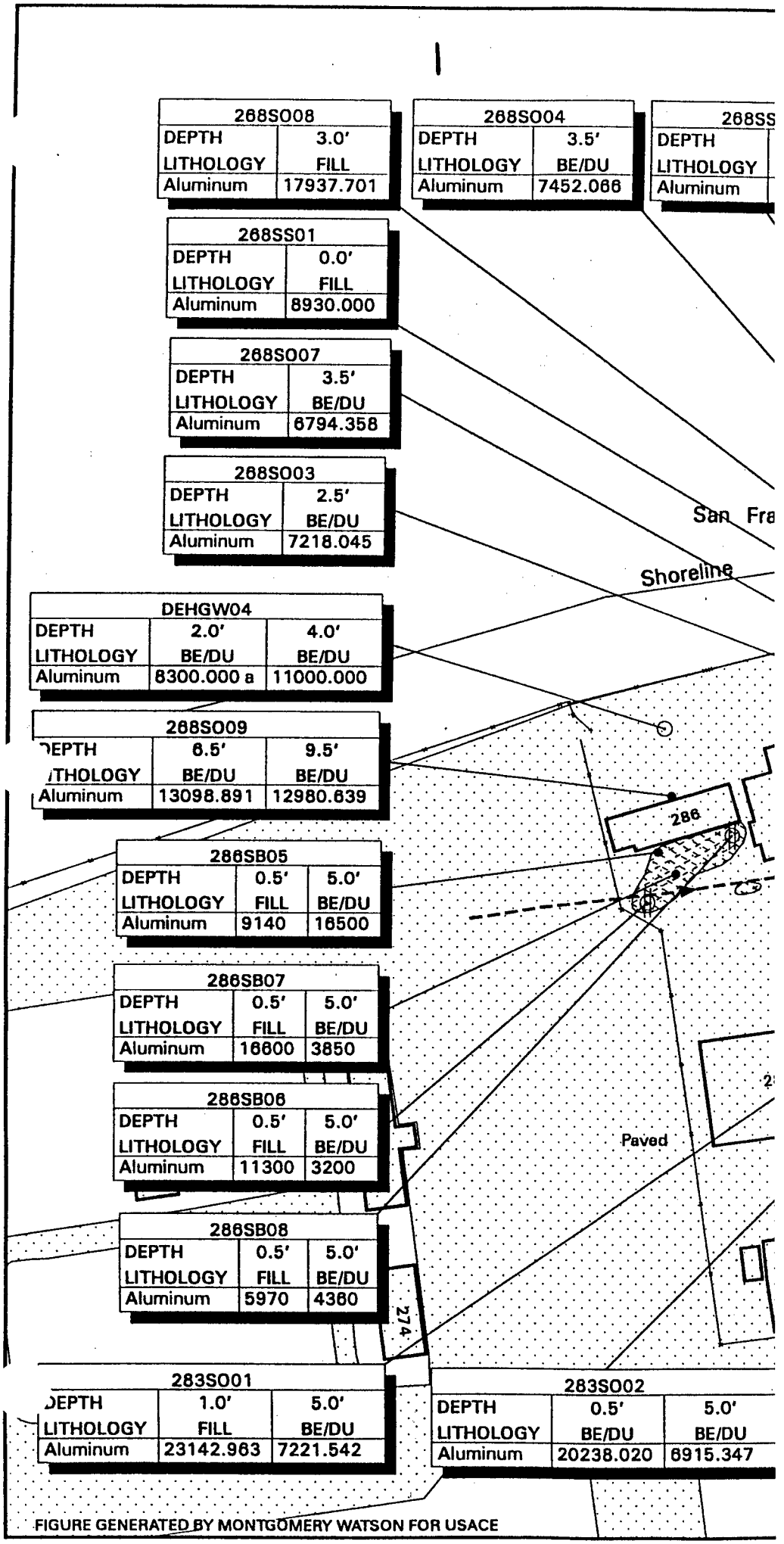
DIRECTORATE OF ENGINEERING and HOUSING STUDY AREA POTENTIOMETRIC SURFACE MAP HIGH TIDE, NOVEMBER 1992

PSF25084/DV2

Date: January 1997

Figure 7.3–8


268SO08
DEPTH 3.0'
LITHOLOGY FILL
Aluminum 17937.701
268SO04
DEPTH 3.5'
LITHOLOGY BE/DU
Aluminum 7452.066
268SS
DEPTH
LITHOLOGY
Aluminum
268SS01
DEPTH 0.0'
LITHOLOGY FILL
Aluminum 8930.000
268SO07
DEPTH 3.5'
LITHOLOGY BE/DU
Aluminum 6794.358
268SO03
DEPTH 2.5'
LITHOLOGY BE/DU
Aluminum 7218.045
San Fra
Shoreline
DEHGW04
DEPTH 2.0' 4.0'
LITHOLOGY BE/DU BE/DU
Aluminum 8300.000 a 11000.000
268SO09
DEPTH 6.5' 9.5'
LITHOLOGY BE/DU BE/DU
Aluminum 13098.891 12980.639
286
286SB05
DEPTH 0.5' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 9140 16500
286SB07
DEPTH 0.5' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 16600 3850
286SB06
DEPTH 0.5' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 11300 3200
Paved
286SB08
DEPTH 0.5' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 5970 4360
274
283SO01
DEPTH 1.0' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 23142.963 7221.542
283SO02
DEPTH 0.5' 5.0'
LITHOLOGY BE/DU BE/DU
Aluminum 20238.020 6915.347
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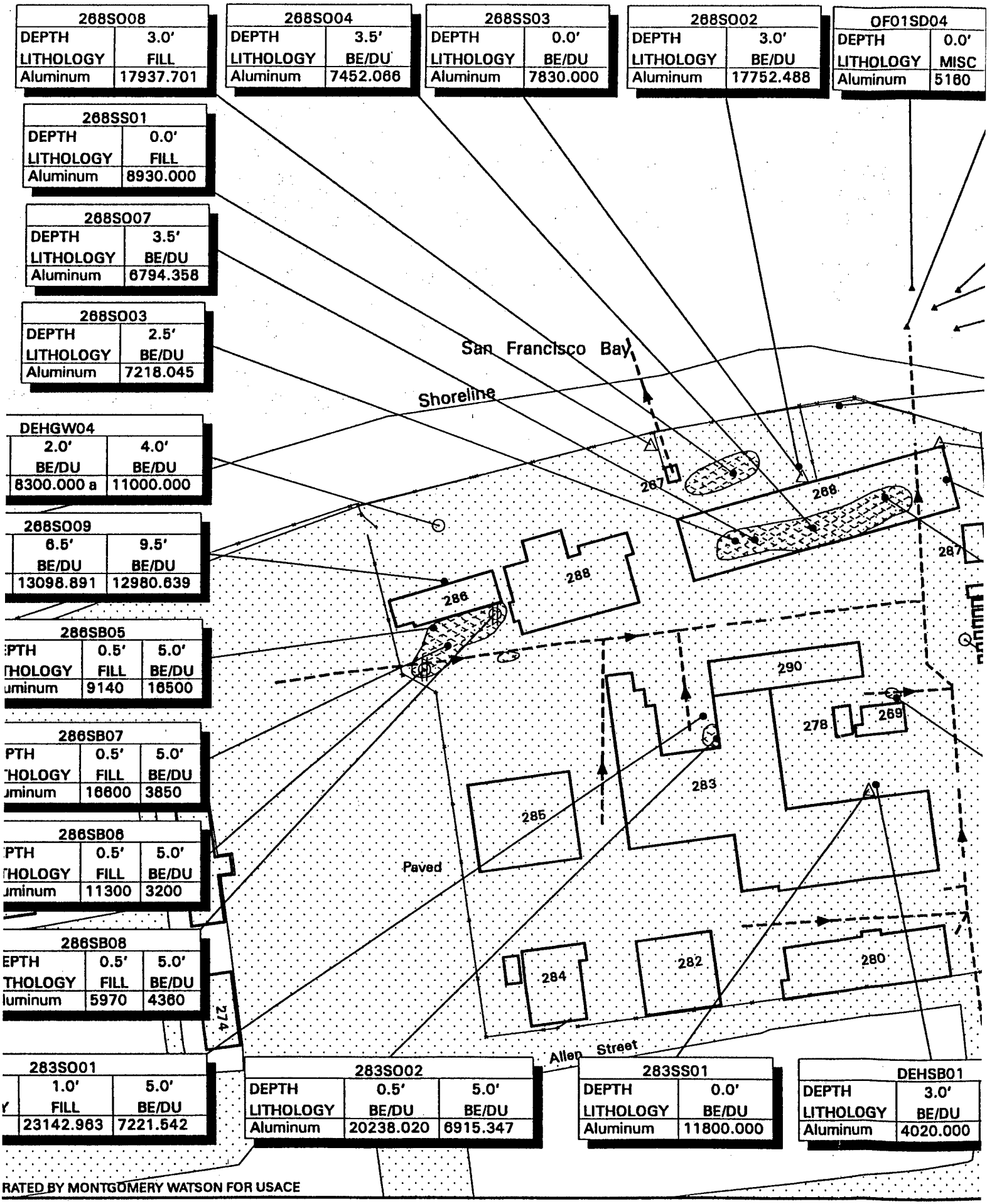

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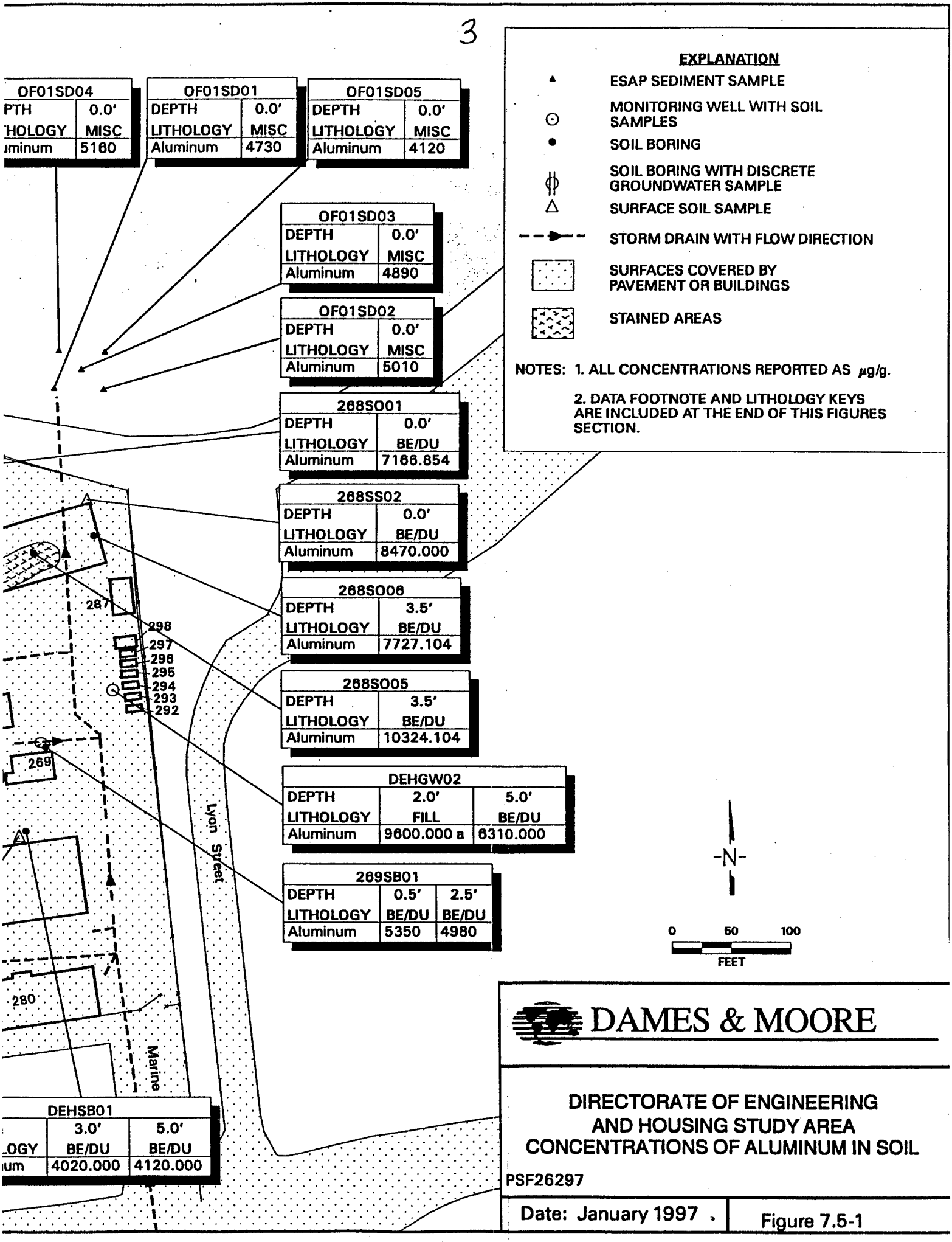

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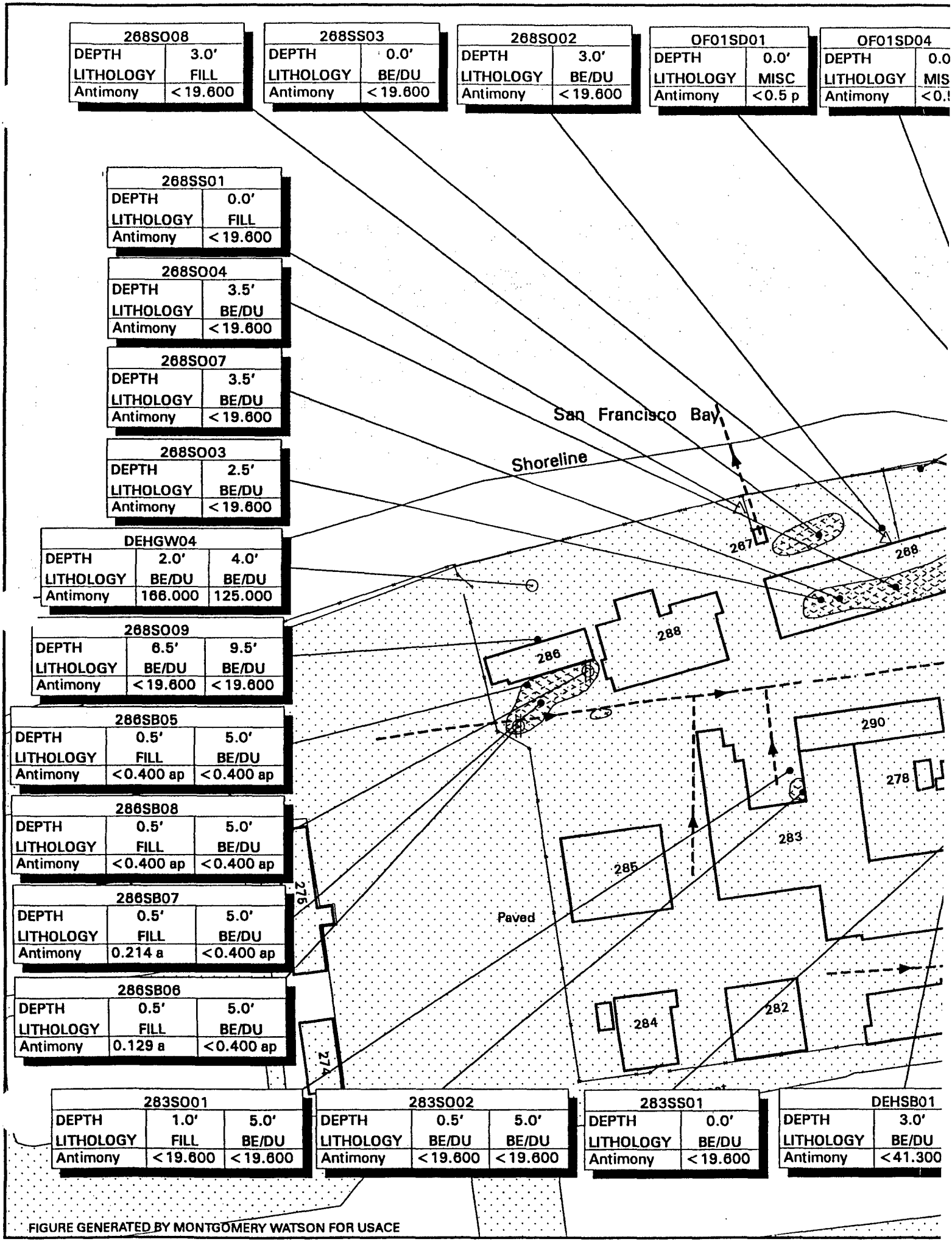
DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26297

Date: January 1997

Figure 7.5-1



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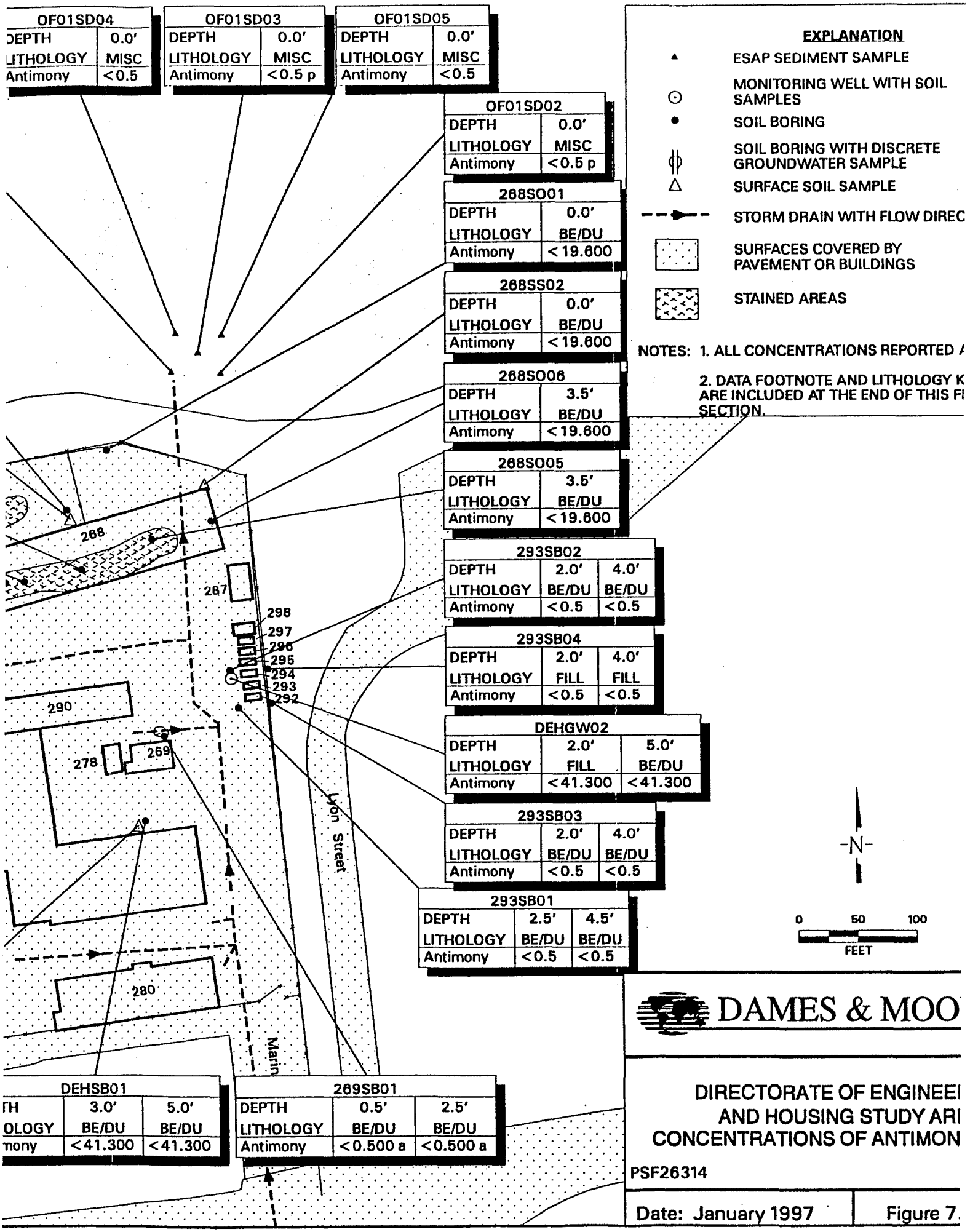

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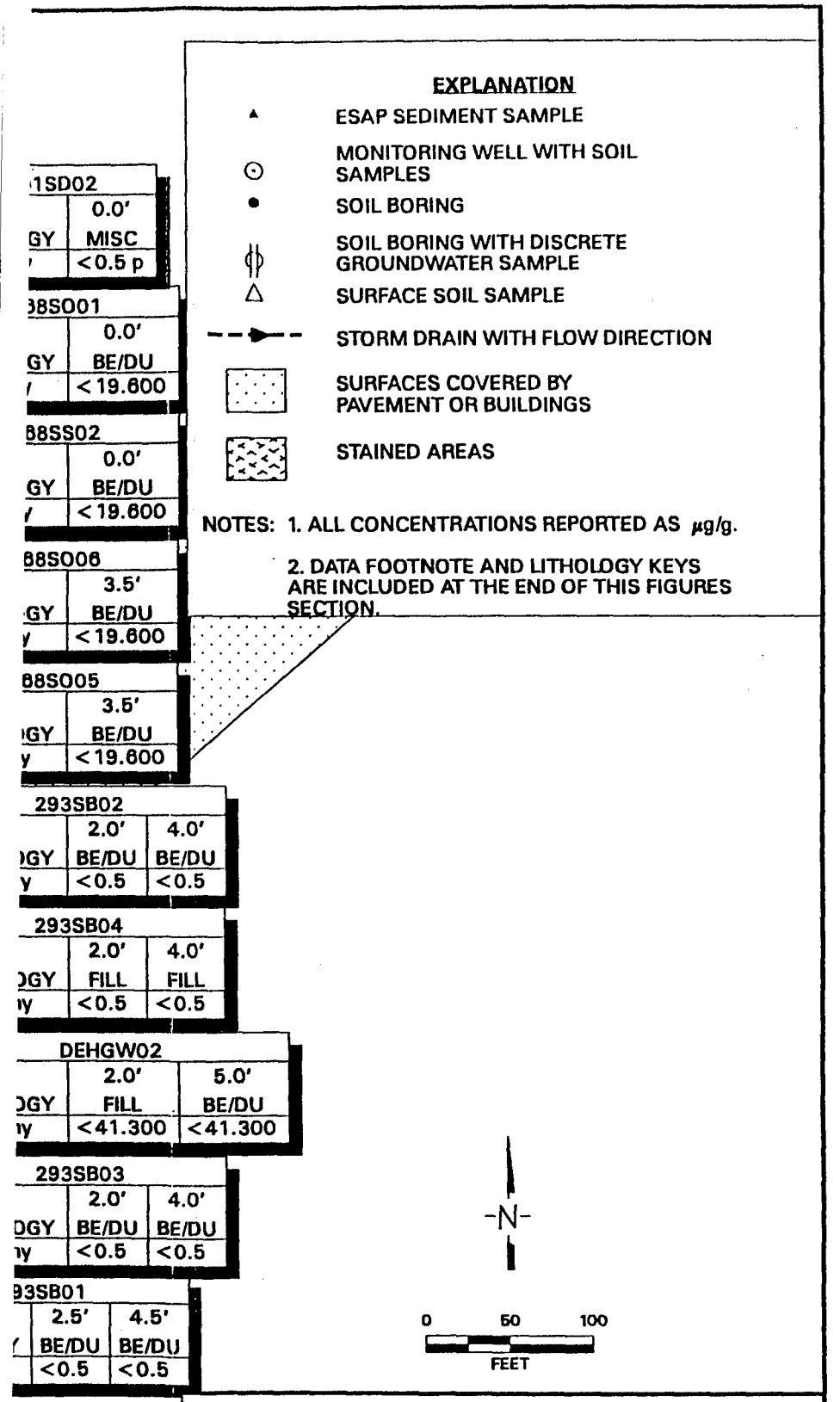
DIRECTORATE OF ENGINEE
AND HOUSING STUDY ARI
CONCENTRATIONS OF ANTIMON

PSF26314

Date: January 1997 | Figure 7



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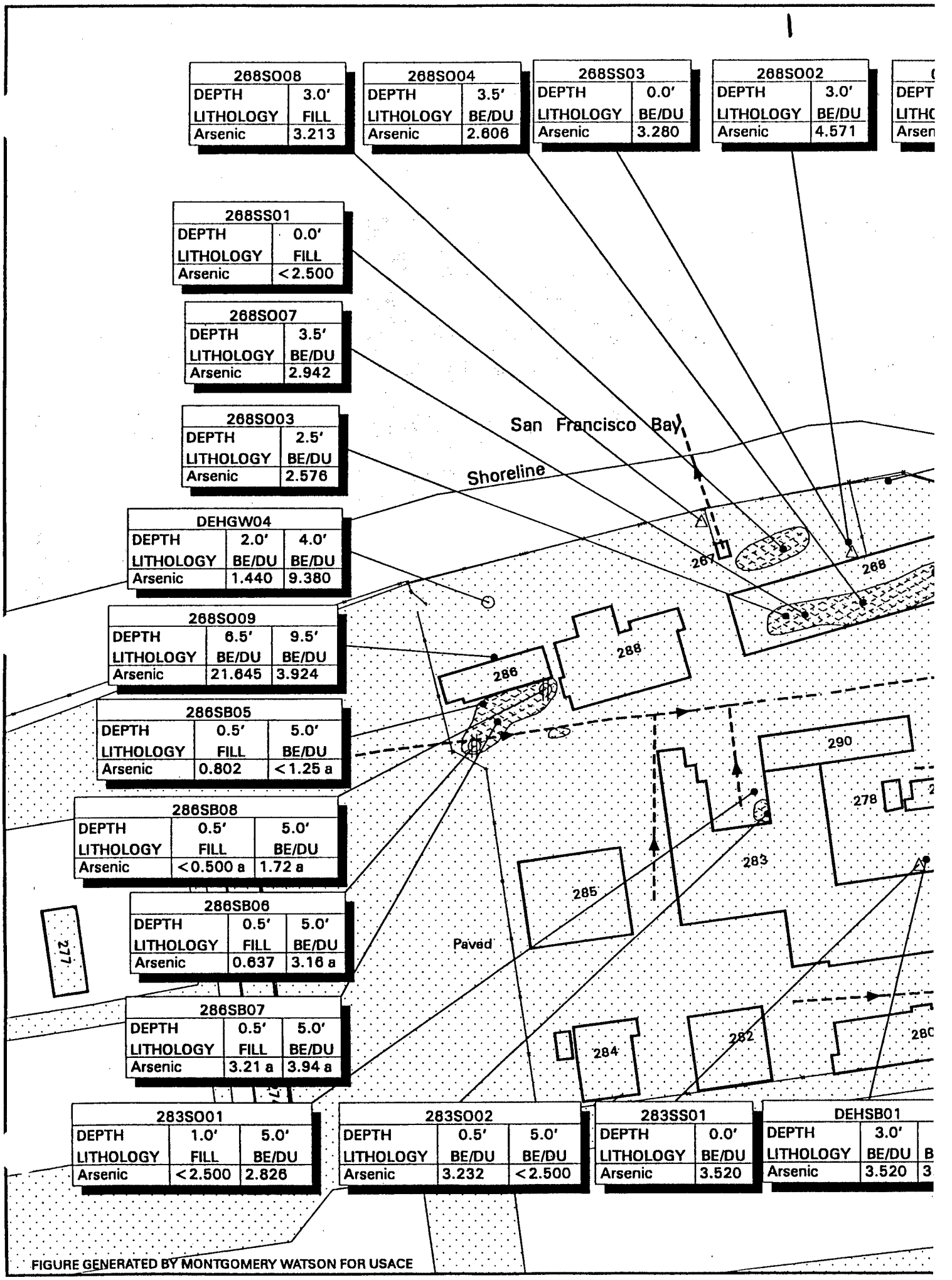
DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ANTIMONY IN SOIL

PSF26314

Date: January 1997 | Figure 7.5-2



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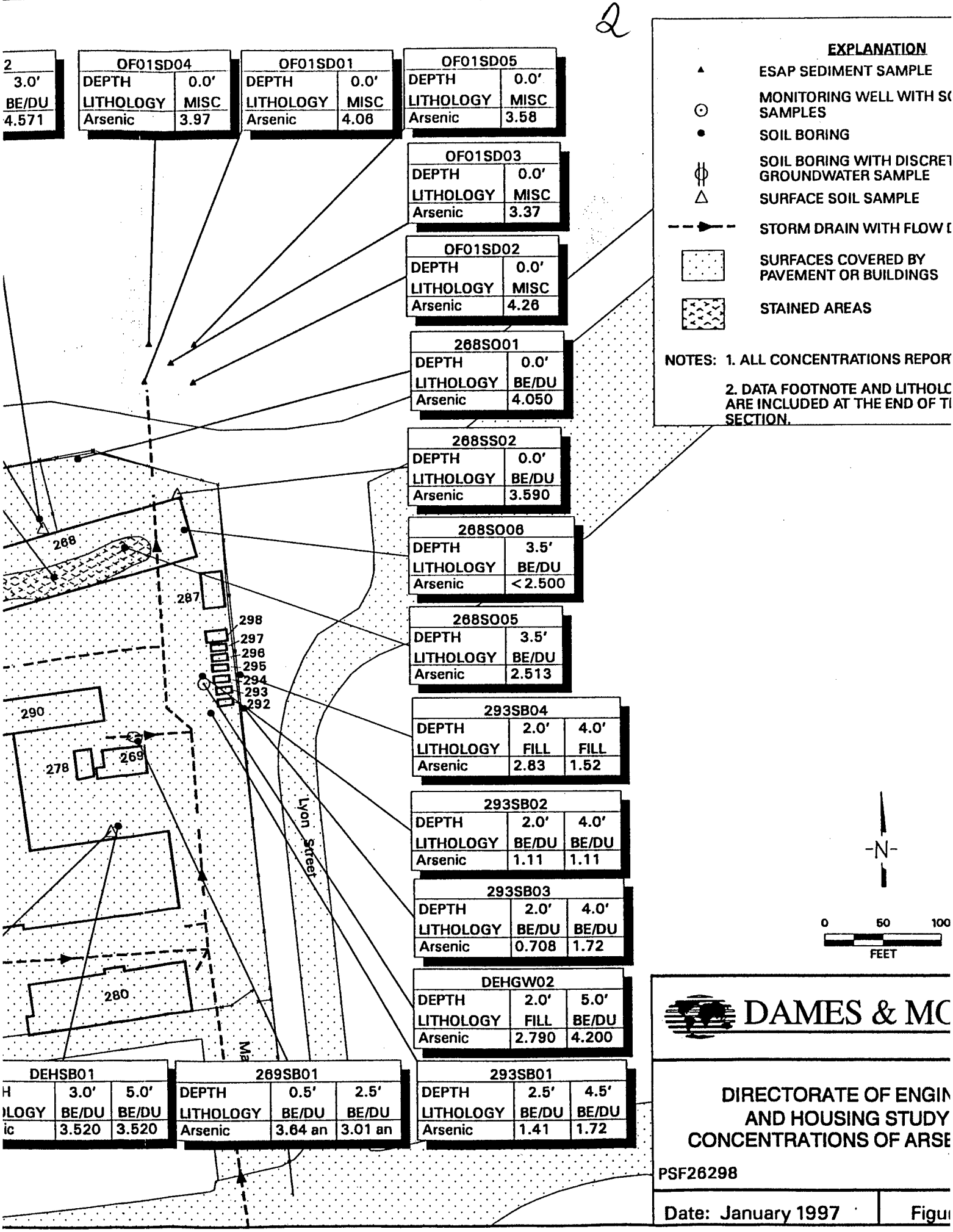
2
3.0'
BE/DU
4.571
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Arsenic 3.97
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Arsenic 4.06
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Arsenic 3.58
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Arsenic 3.37
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Arsenic 4.26
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Arsenic 4.050
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Arsenic 3.590
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Arsenic <2.500
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Arsenic 2.513
293SB04
DEPTH 2.0' 4.0'
LITHOLOGY FILL FILL
Arsenic 2.83 1.52
293SB02
DEPTH 2.0' 4.0'
LITHOLOGY BE/DU BE/DU
Arsenic 1.11 1.11
293SB03
DEPTH 2.0' 4.0'
LITHOLOGY BE/DU BE/DU
Arsenic 0.708 1.72
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Arsenic 2.790 4.200
DEHSB01
H 3.0' 5.0'
LOGY BE/DU BE/DU
ic 3.520 3.520
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Arsenic 3.64 an 3.01 an
293SB01
DEPTH 2.5' 4.5'
LITHOLOGY BE/DU BE/DU
Arsenic 1.41 1.72
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH S(SAMPLES
SOIL BORING
SOIL BORING WITH DISCRET GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW D
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPOR
2. DATA FOOTNOTE AND LITHOLC ARE INCLUDED AT THE END OF TI SECTION.
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DAMES & MC
DIRECTORATE OF ENGIN AND HOUSING STUDY CONCENTRATIONS OF ARSE
PSF26298
Date: January 1997
Figu

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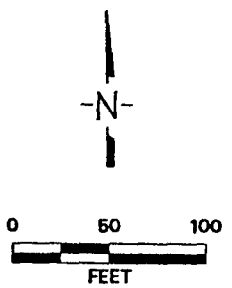
EXPLANATION

- ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26298

Date: January 1997 | Figure 7.5-3

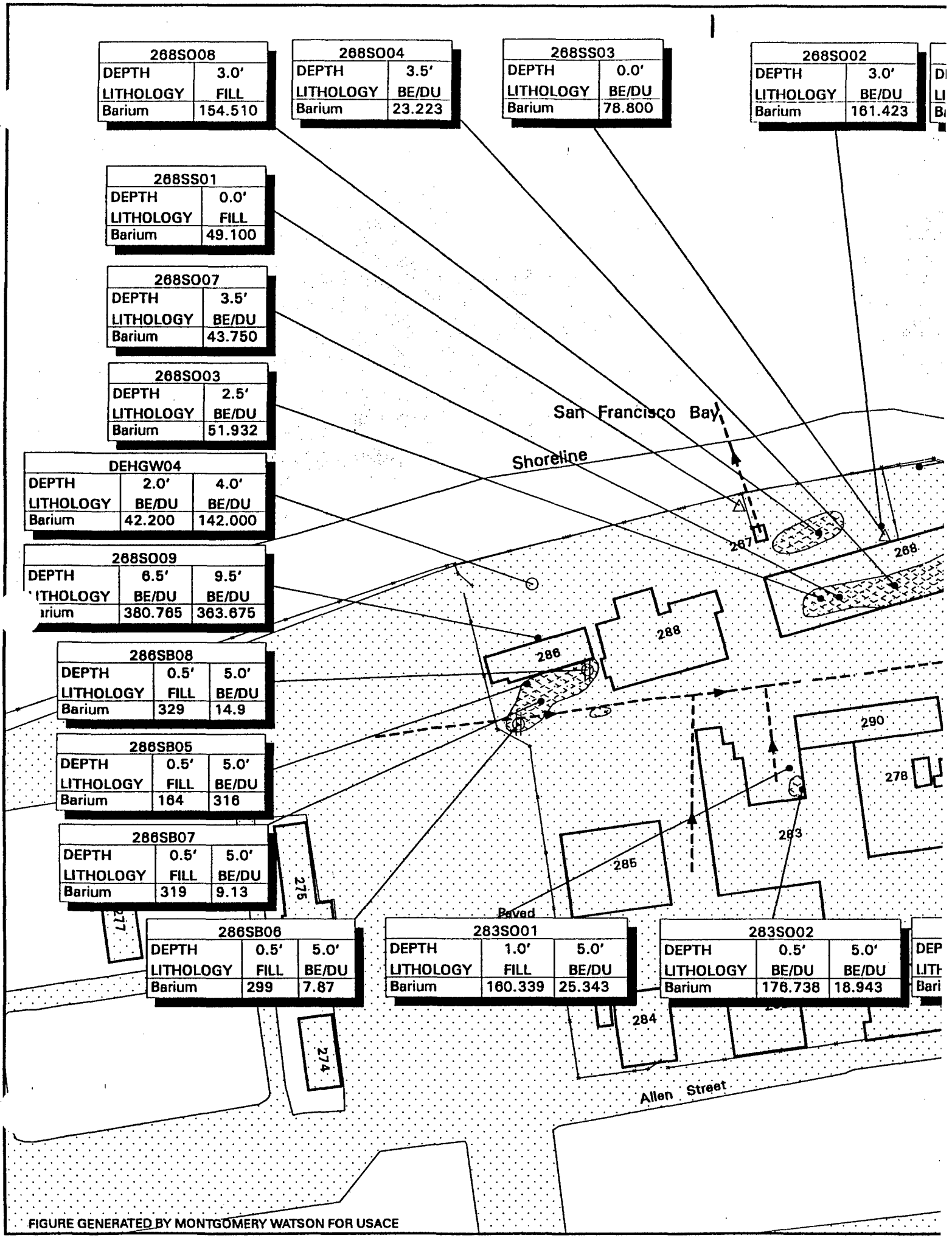
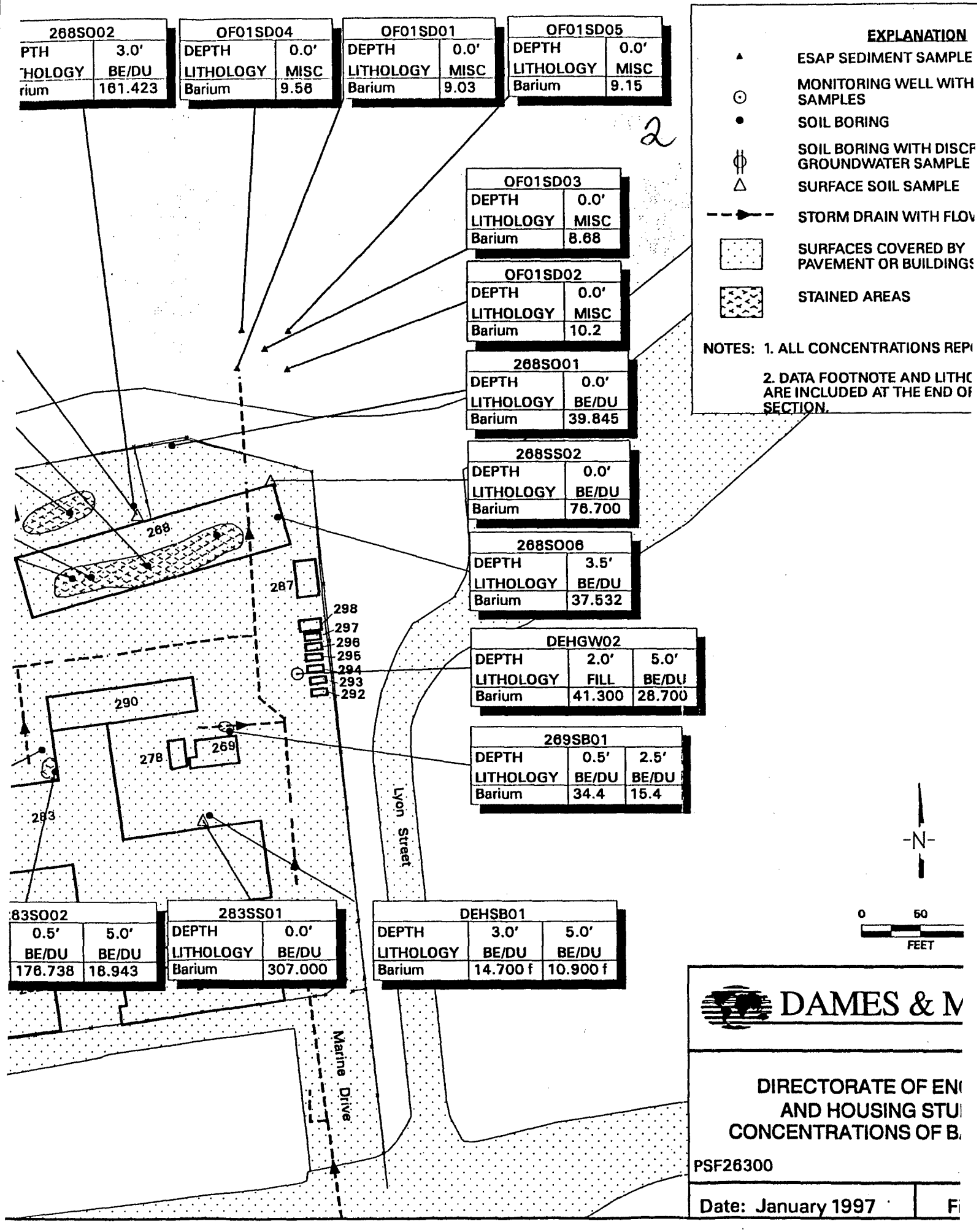


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


268SO02
PTH 3.0'
THOLOGY BE/DU
rium 161.423
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Barium 9.56
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Barium 9.03
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Barium 9.15
2
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Barium 8.68
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Barium 10.2
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Barium 39.845
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Barium 76.700
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Barium 37.532
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Barium 41.300 28.700
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Barium 34.4 15.4
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH SAMPLES
SOIL BORING
SOIL BORING WITH DISCF GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOV
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITHC ARE INCLUDED AT THE END OF SECTION.
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283SO02
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BE/DU BE/DU
176.738 18.943
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Barium 307.000
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Barium 14.700 f 10.900 f
DAMES & M
DIRECTORATE OF EN
AND HOUSING STU
CONCENTRATIONS OF B
PSF26300
Date: January 1997
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EXPLANATION

- ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

5.0'
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DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF BARIUM IN SOIL

PSF26300

Date: January 1997 | Figure 7.5-4

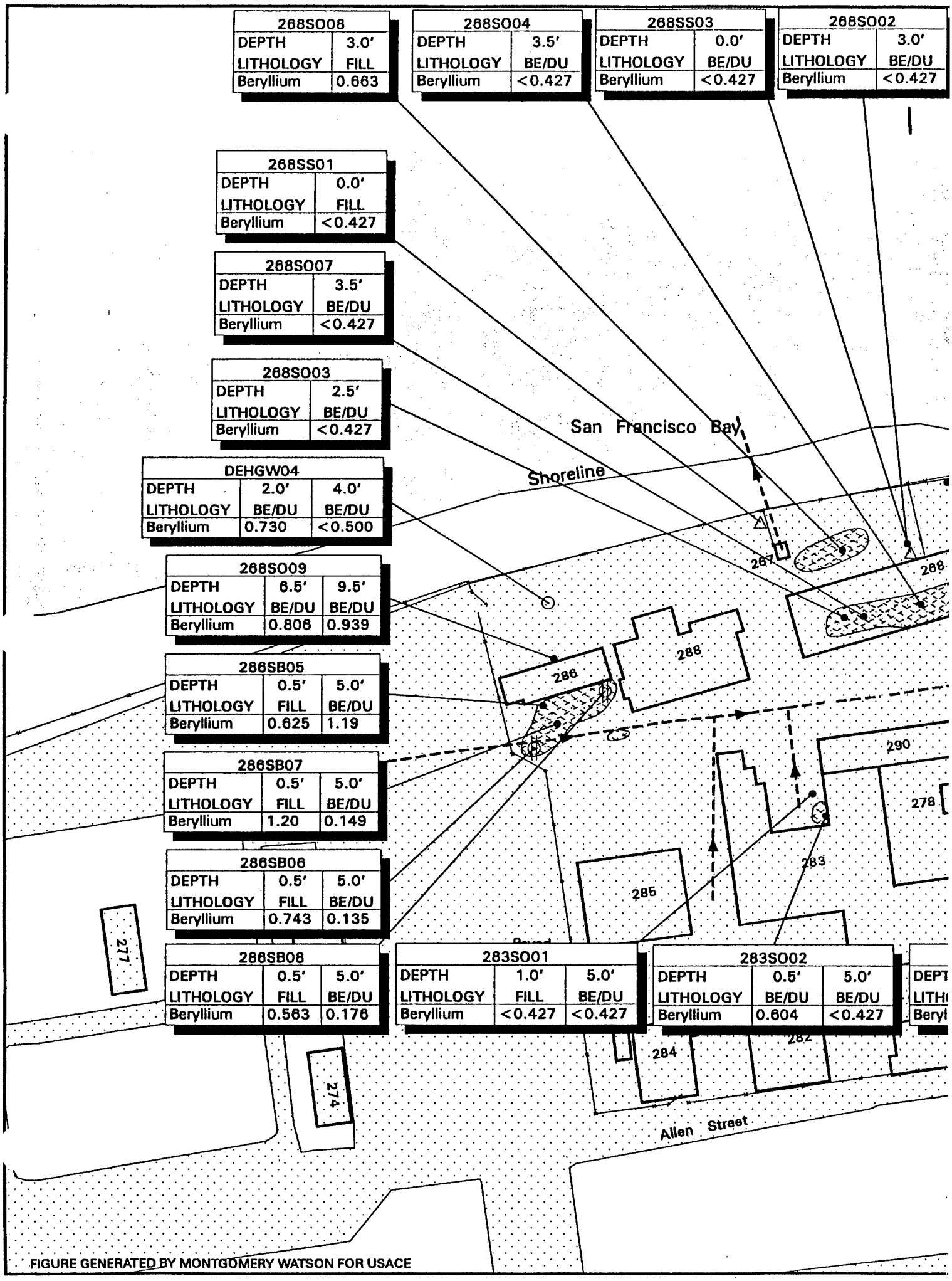
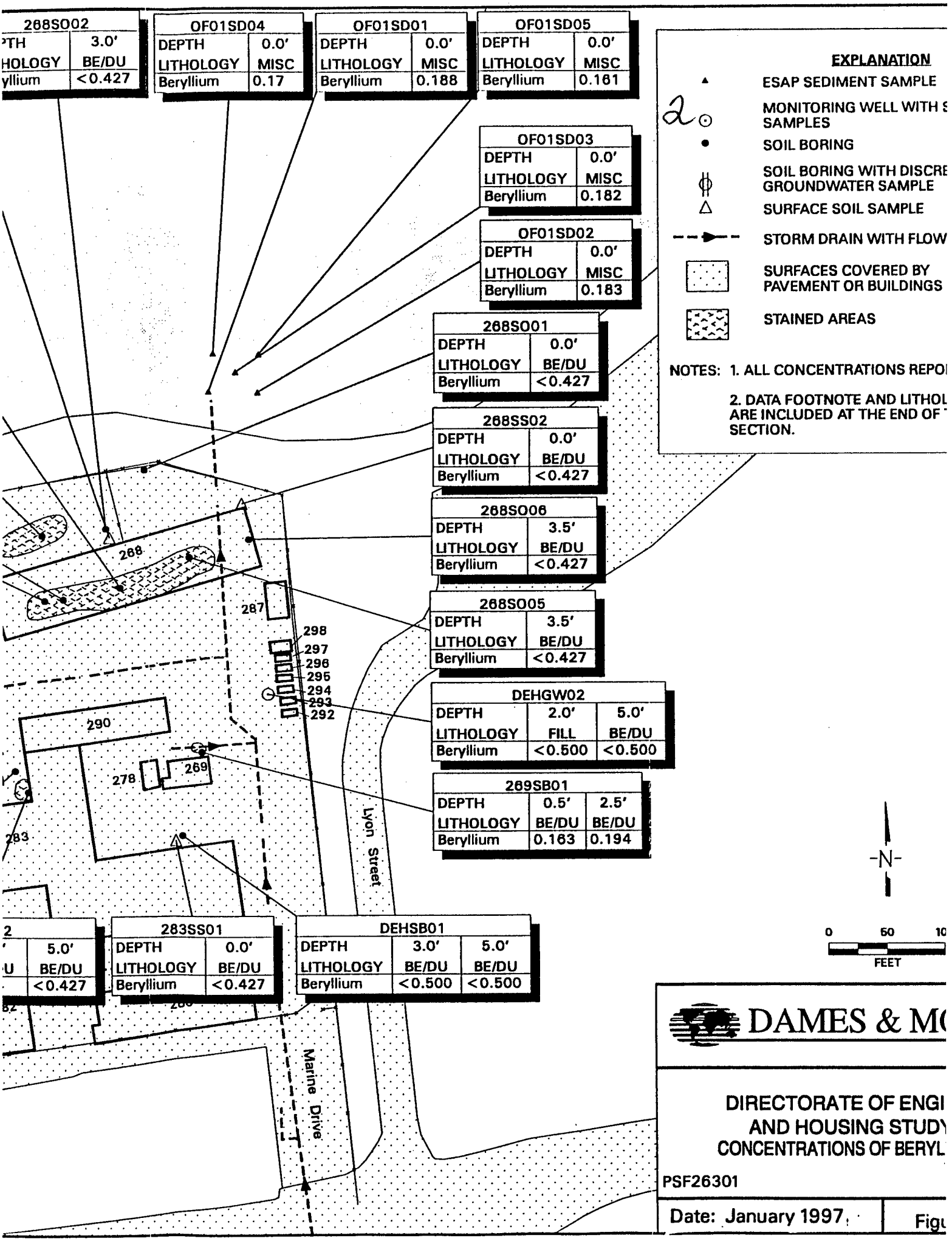


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

18 Sep 96 18:26:17 Wednesday, ..._11x17_v3.arst, plotfile base_DEH_5_3.grn. PSF


268SO02
PTH 3.0'
HOLOGY BE/DU
yllium <0.427
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Beryllium 0.17
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Beryllium 0.188
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Beryllium 0.161
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Beryllium 0.182
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Beryllium 0.183
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Beryllium <0.427
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Beryllium <0.427
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Beryllium <0.427
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Beryllium <0.427
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Beryllium <0.500 <0.500
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Beryllium 0.163 0.194
2
5.0'
U BE/DU
<0.427
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Beryllium <0.427
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Beryllium <0.500 <0.500
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH S SAMPLES
SOIL BORING
SOIL BORING WITH DISCRE GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPOI
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DIRECTORATE OF ENGI
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CONCENTRATIONS OF BERYL
PSF26301
Date: January 1997
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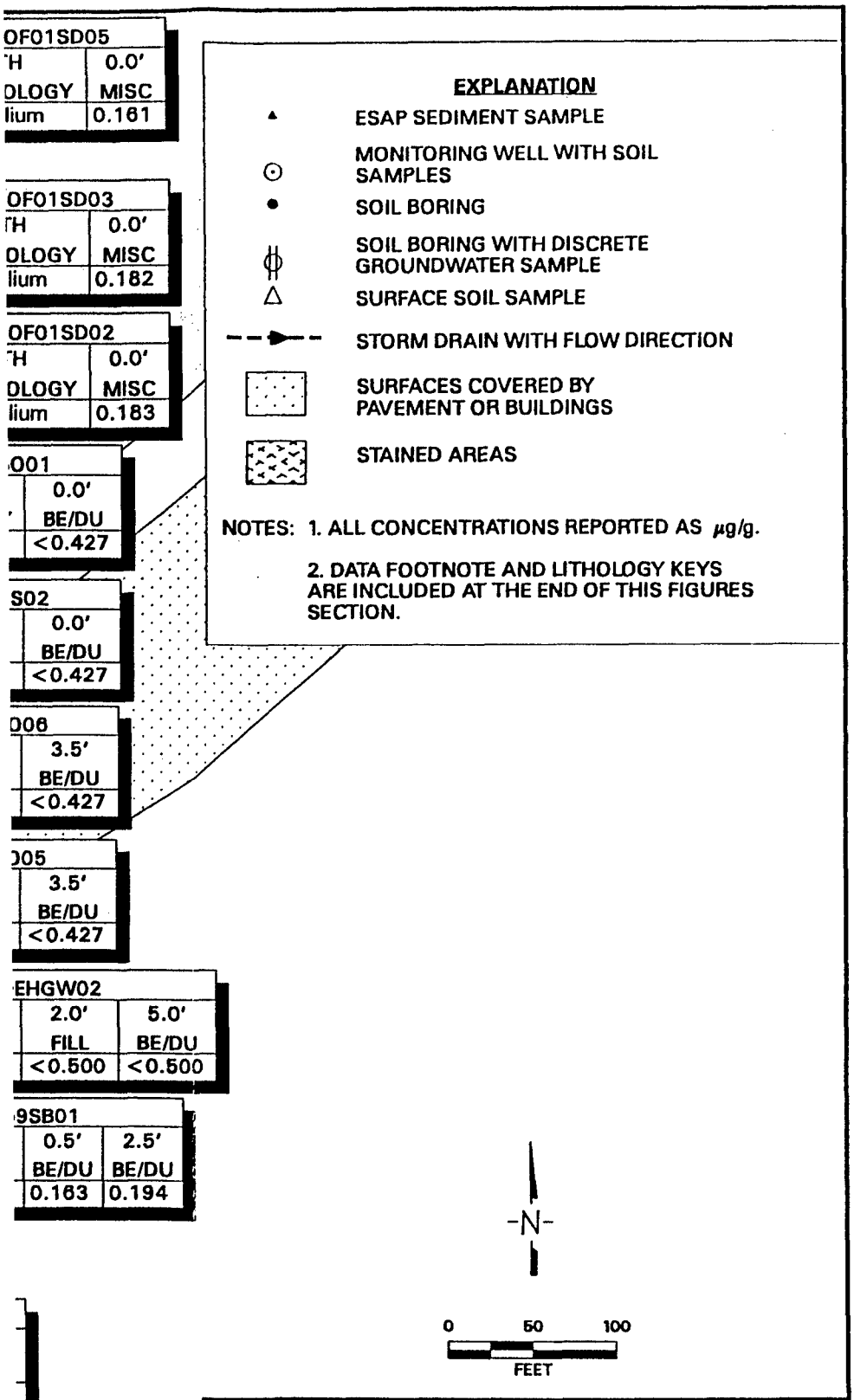

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AND HOUSING STUDY AREA
CONCENTRATIONS OF BERYLLIUM IN SOIL

PSF26301

Date: January 1997

Figure 7.5-5

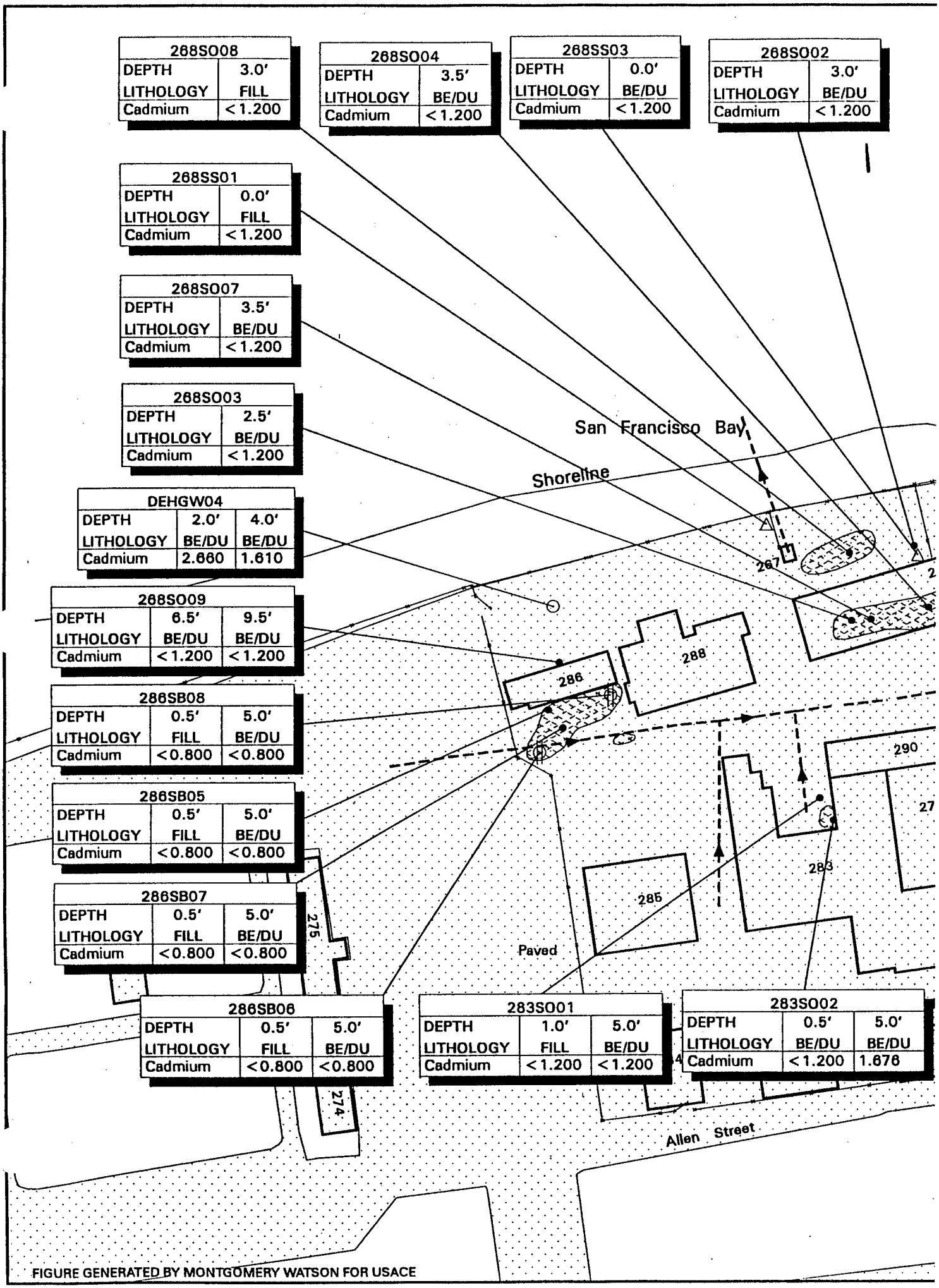
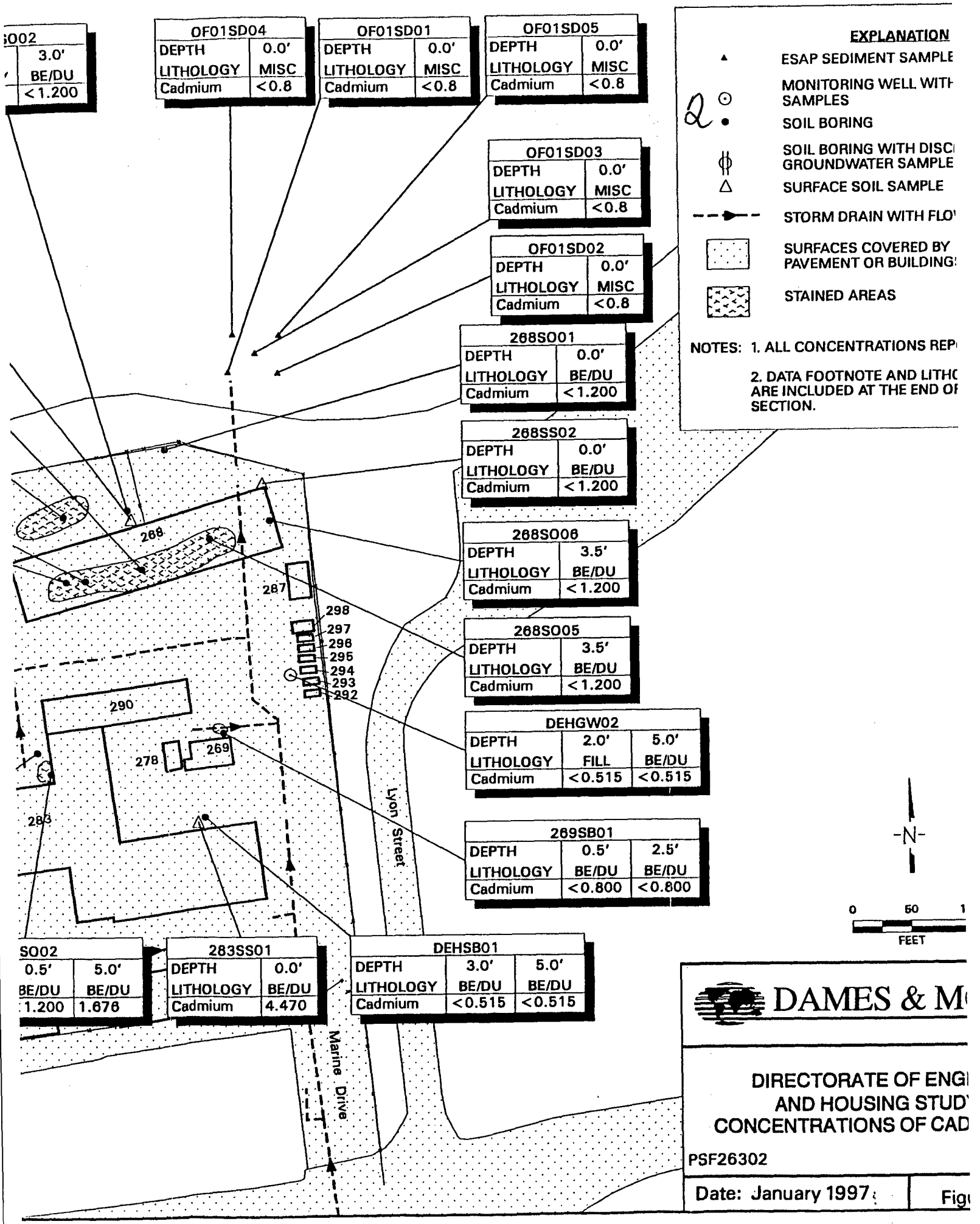


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

19 Sep 96 16:36:25 Thursday, base_11x17_v3.aml, plotfile base_DEH_S_6.grn, PSF



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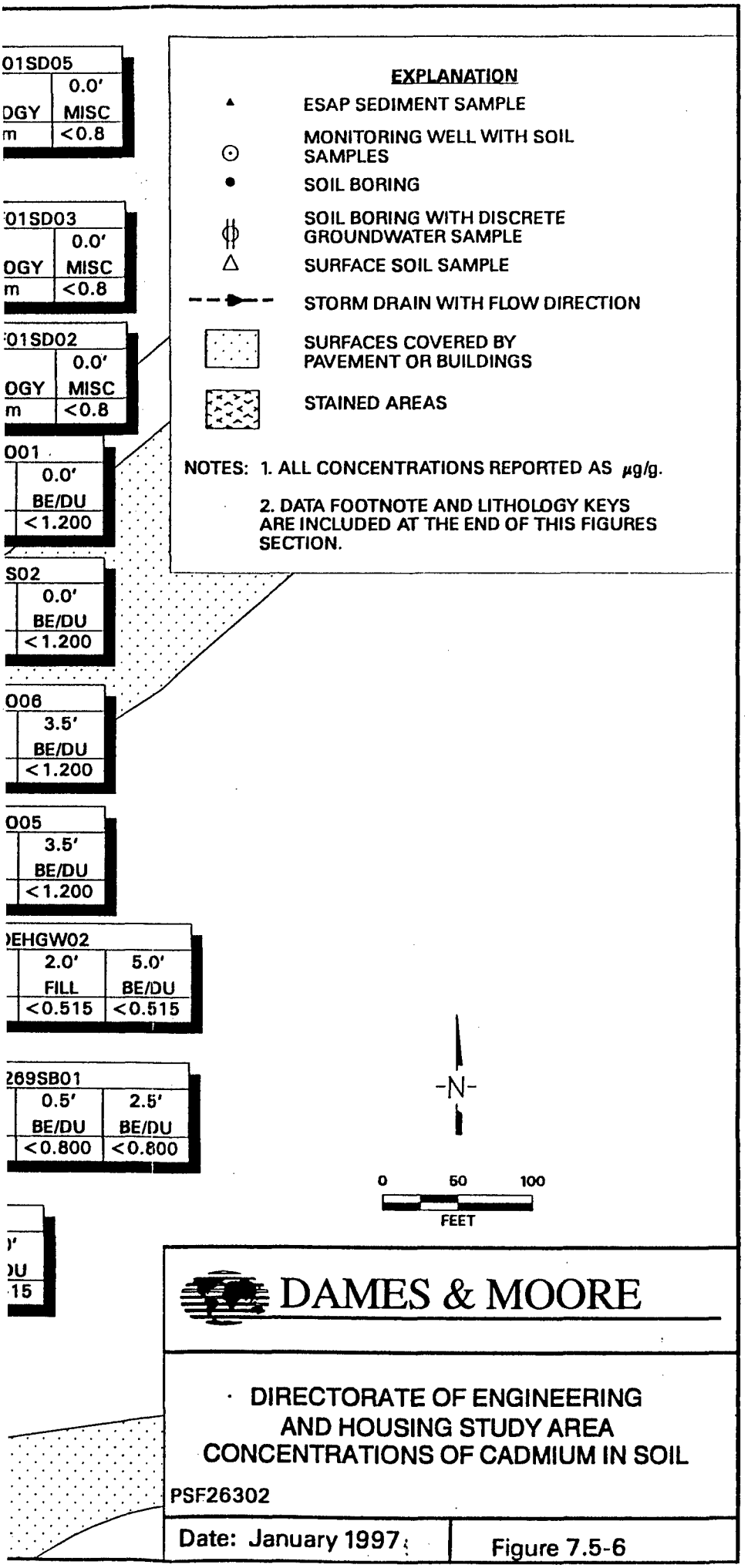
AND HOUSING STUD
CONCENTRATIONS OF CAD

PSF26302

Date: January 1997

Figu



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DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26302

Date: January 1997

Figure 7.5-6

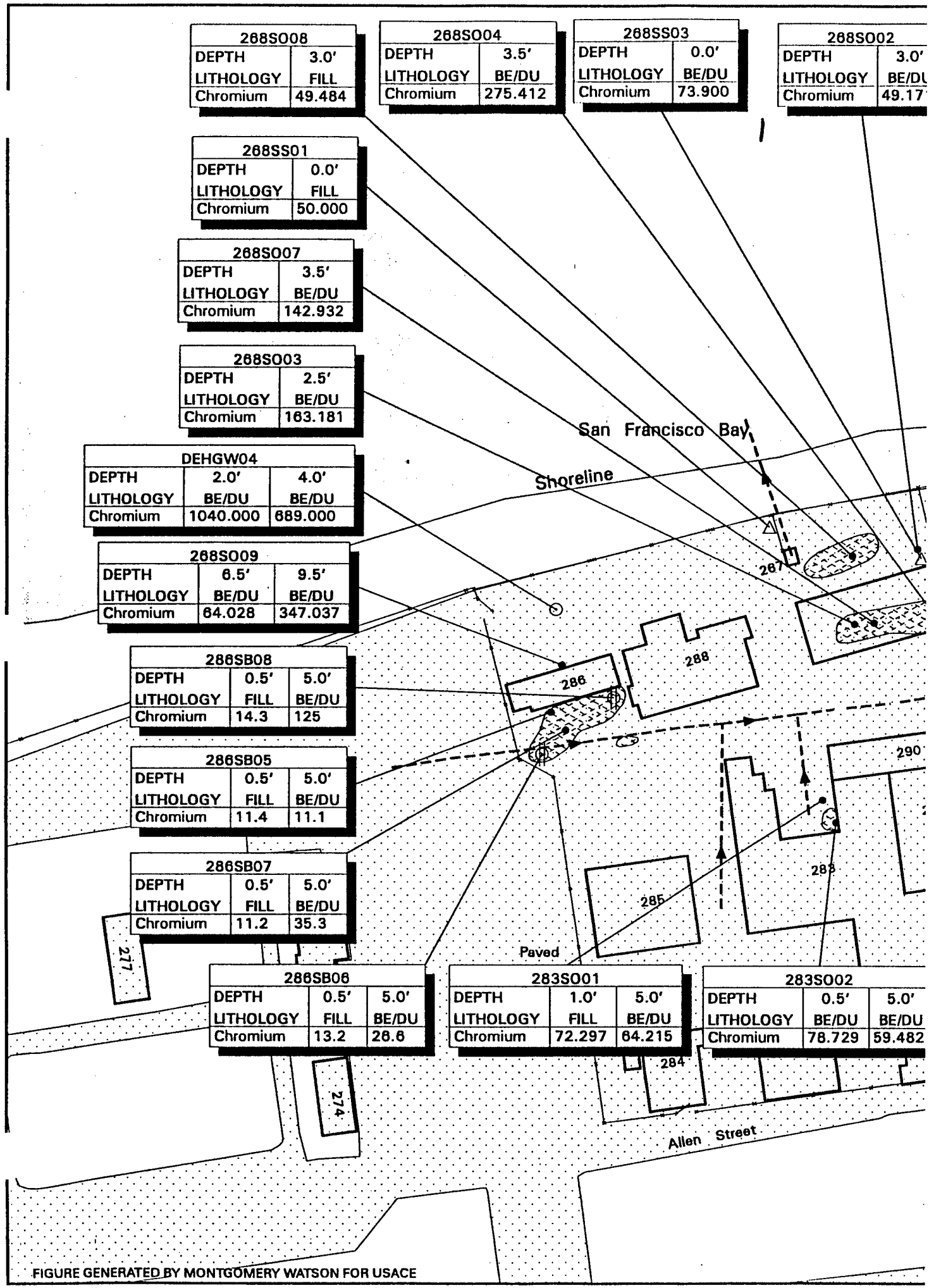

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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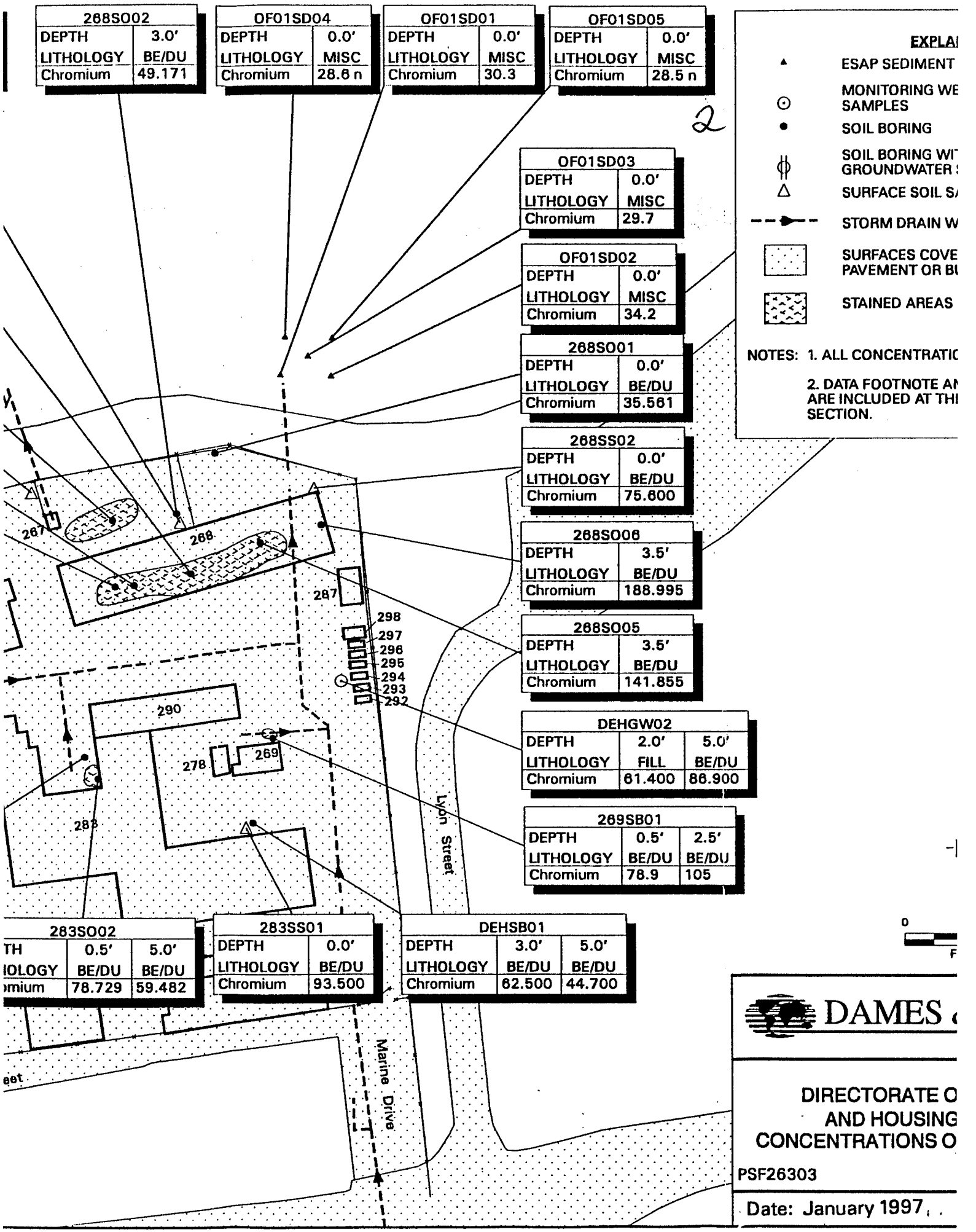
18 Sep 96 18:29:58 Wednesday


268SO02
DEPTH 3.0'
LITHOLOGY BE/DU
Chromium 49.171
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Chromium 28.6 n
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Chromium 30.3
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Chromium 28.5 n
2
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Chromium 29.7
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Chromium 34.2
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Chromium 35.561
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Chromium 75.600
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Chromium 188.995
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Chromium 141.855
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Chromium 61.400 86.900
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Chromium 78.9 105
283SO02
TH 0.5' 5.0'
IOLOGY BE/DU BE/DU
omium 78.729 59.482
283SS01
DEPTH 0.0'
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Chromium 93.500
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Chromium 62.500 44.700
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NOTES: 1. ALL CONCENTRATIC
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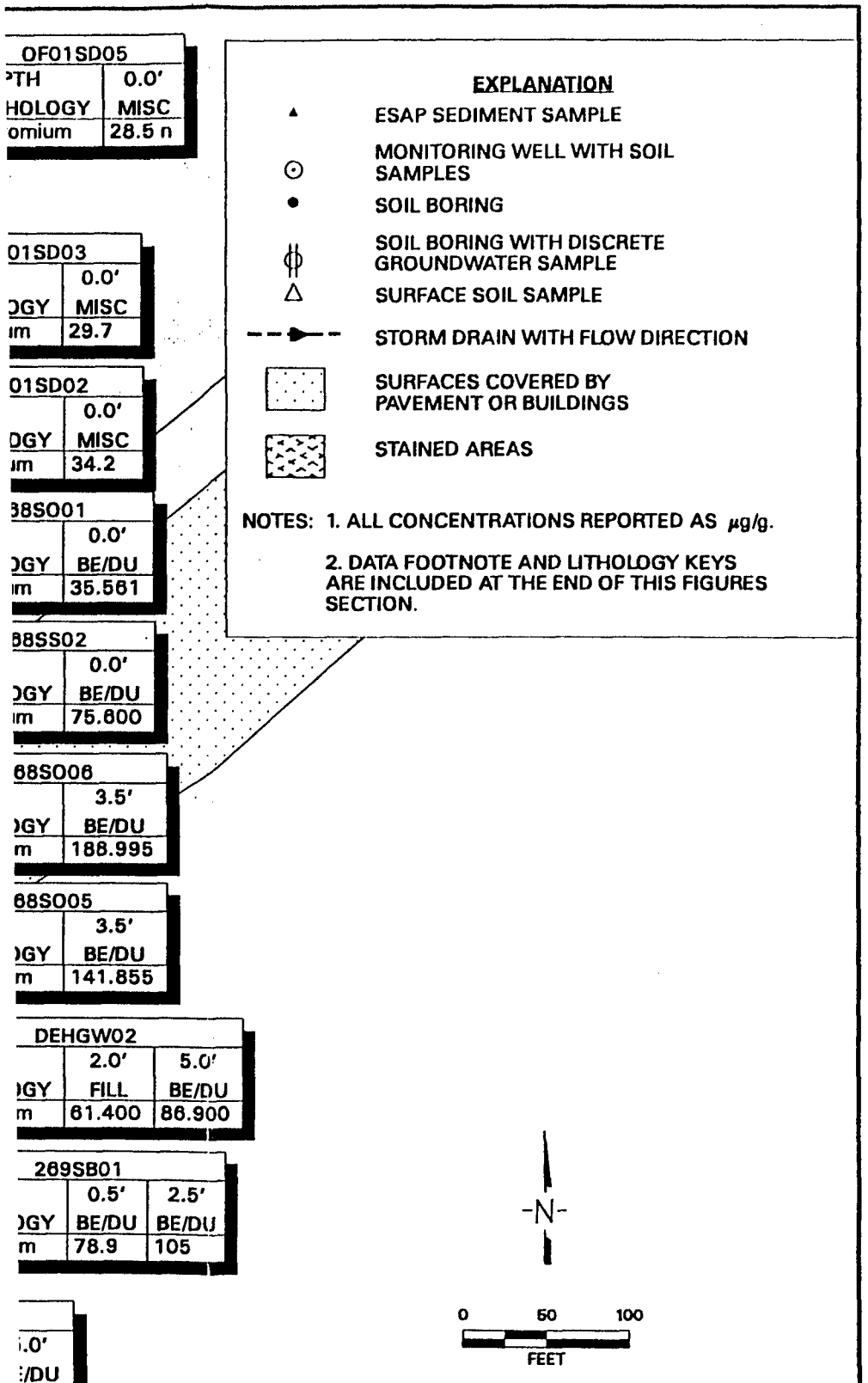
Date: January 1997



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26303

Date: January 1997

Figure 7.5-7

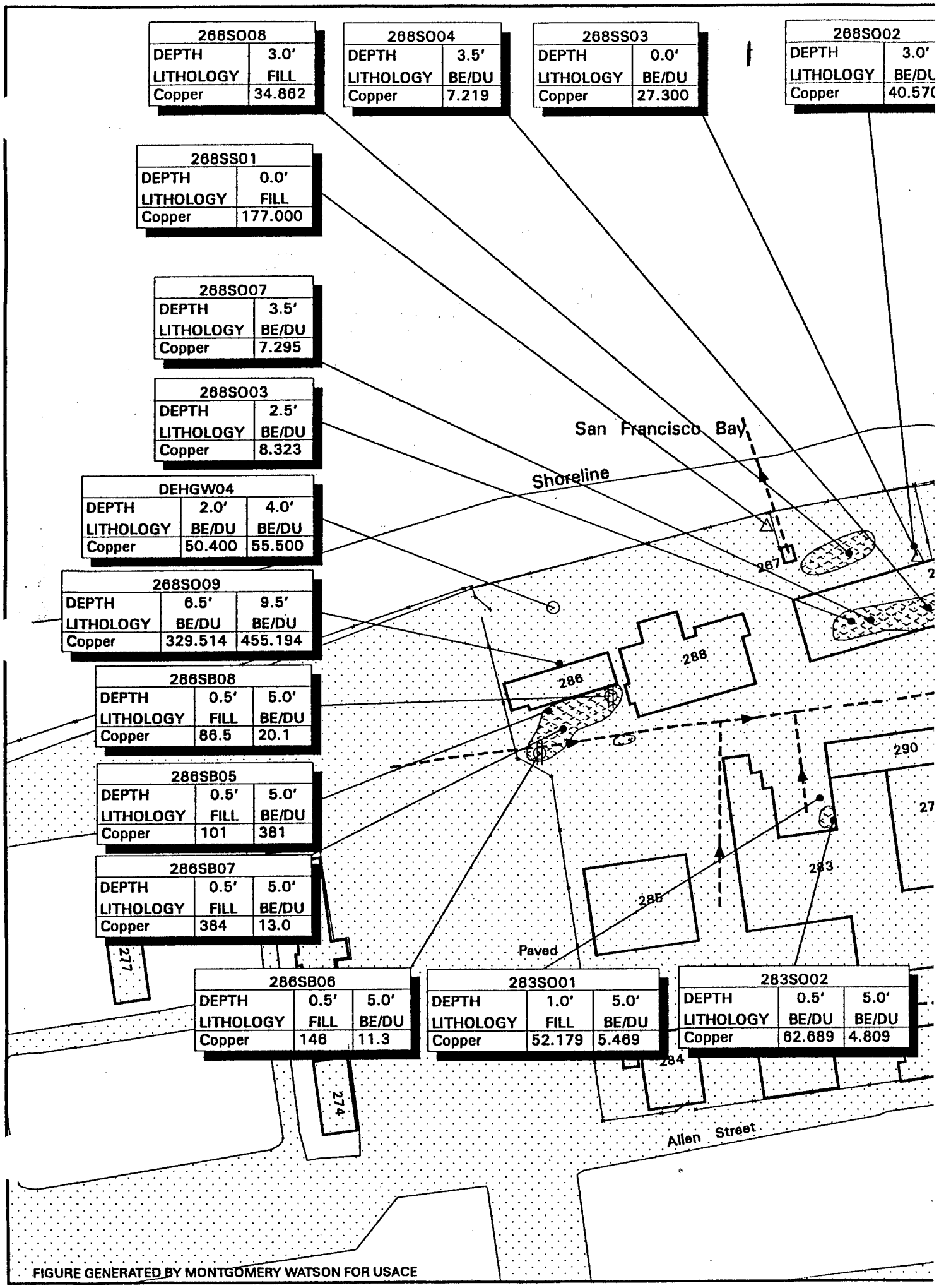
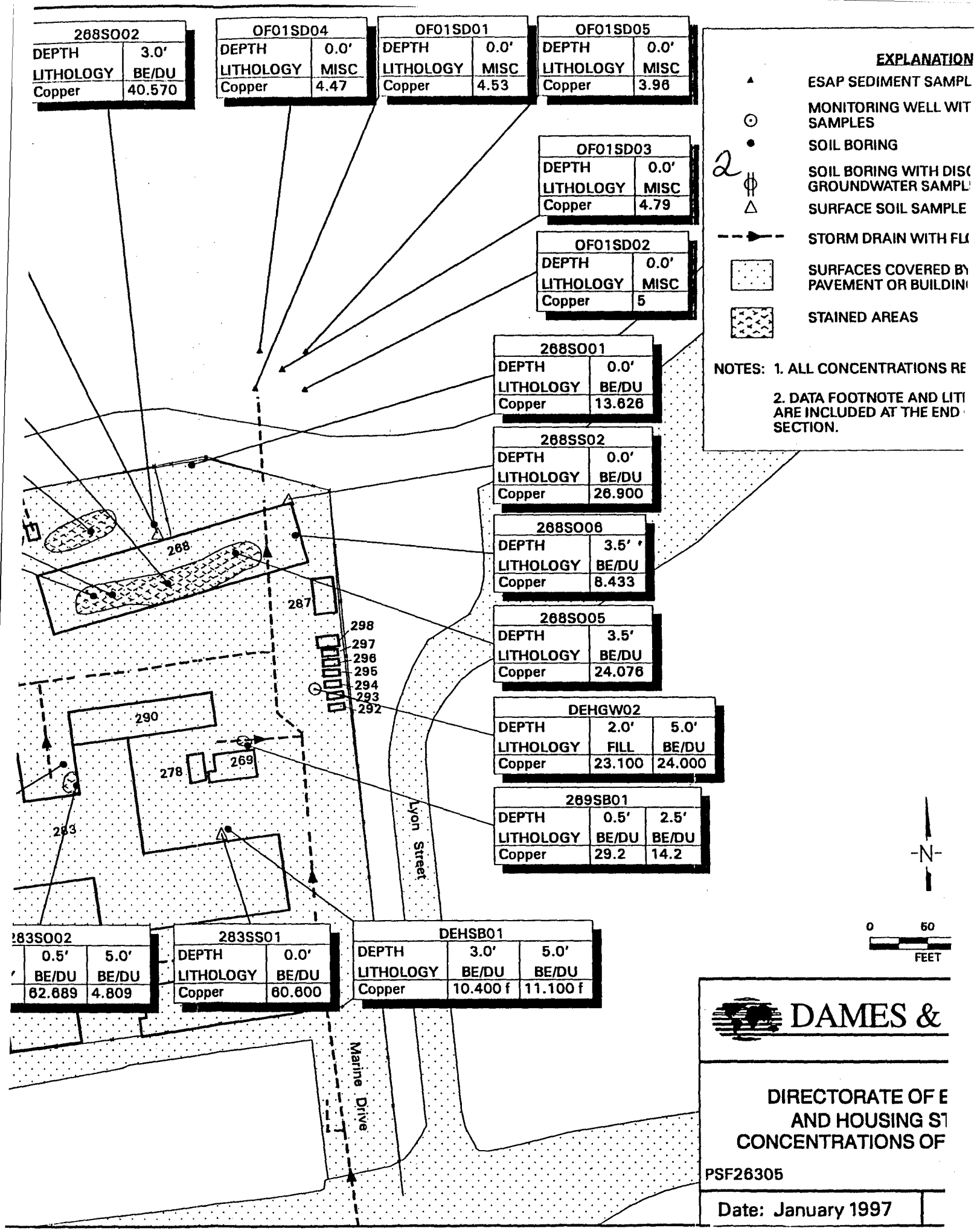


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

18 Sep 96 18:32:19 Wednesday, ---: 11x17_v3.aml, plotfile base_DEH_S_9.grn. PSF


268SO02
DEPTH 3.0'
LITHOLOGY BE/DU
Copper 40.570
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Copper 4.47
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Copper 4.53
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Copper 3.96
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Copper 4.79
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Copper 5
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Copper 13.626
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Copper 26.900
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Copper 8.433
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Copper 24.076
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Copper 23.100 24.000
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Copper 29.2 14.2
283SO02
0.5' 5.0'
BE/DU BE/DU
62.689 4.809
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Copper 60.600
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Copper 10.400 f 11.100 f
EXPLANATION
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NOTES: 1. ALL CONCENTRATIONS RE
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DIRECTORATE OF E
AND HOUSING ST
CONCENTRATIONS OF
PSF26305
Date: January 1997

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ber	3.96

OF01SD03	
TH	0.0'
OLOGY	MISC
ber	4.79

OF01SD02	
TH	0.0'
OLOGY	MISC
ber	5

001	
	0.0'
Y	BE/DU
	13.626

S02	
	0.0'
Y	BE/DU
	26.900

006	
	3.5'
Y	BE/DU
	8.433

005	
	3.5'
Y	BE/DU
	24.076

EHGW02		
	2.0'	5.0'
Y	FILL	BE/DU
	23.100	24.000

69SB01		
	0.5'	2.5'
Y	BE/DU	BE/DU
	29.2	14.2

EXPLANATION

- ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

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AND HOUSING STUDY AREA
CONCENTRATIONS OF COPPER IN SOIL

PSF26305

Date: January 1997

Figure 7.5-8

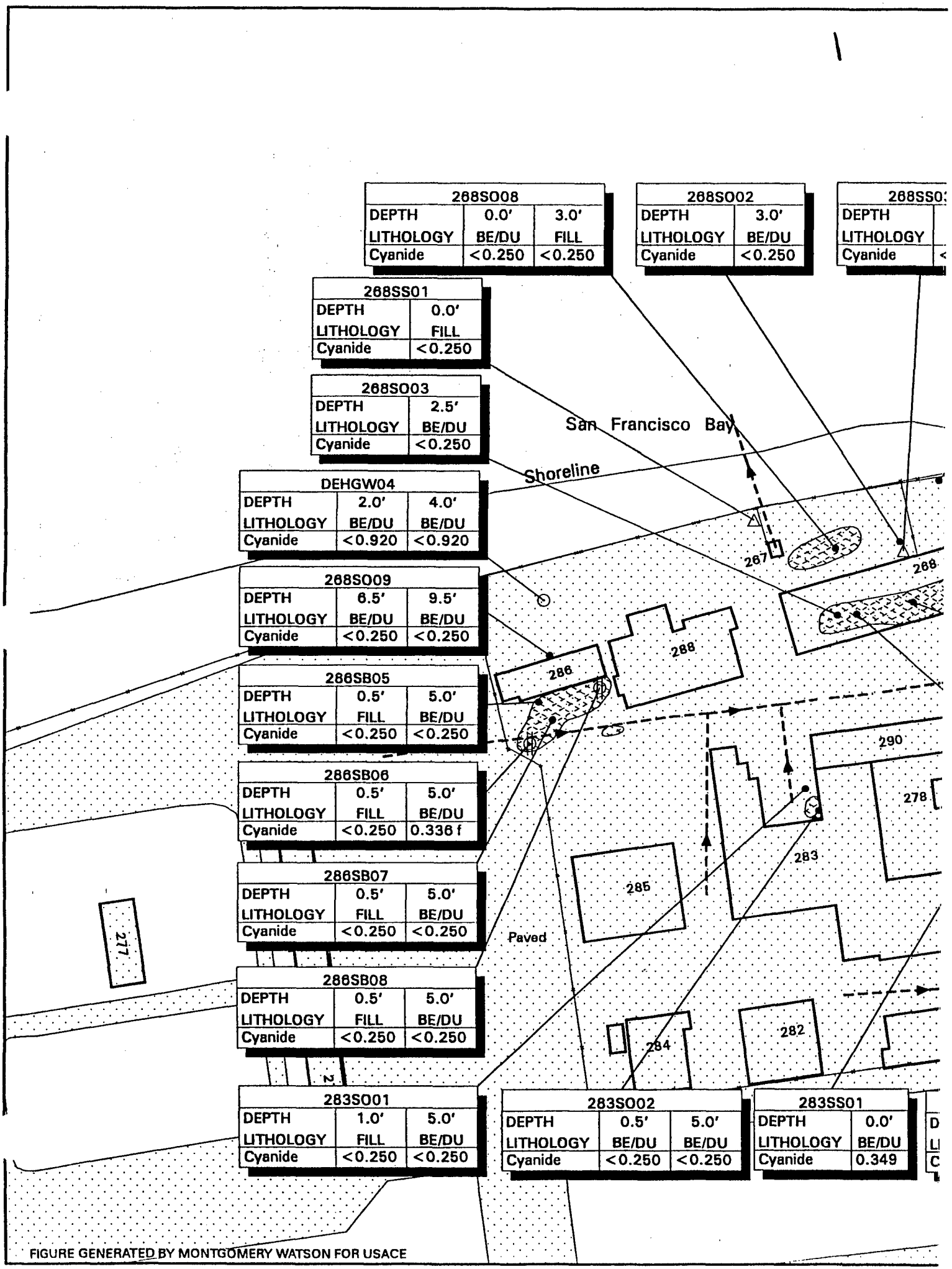
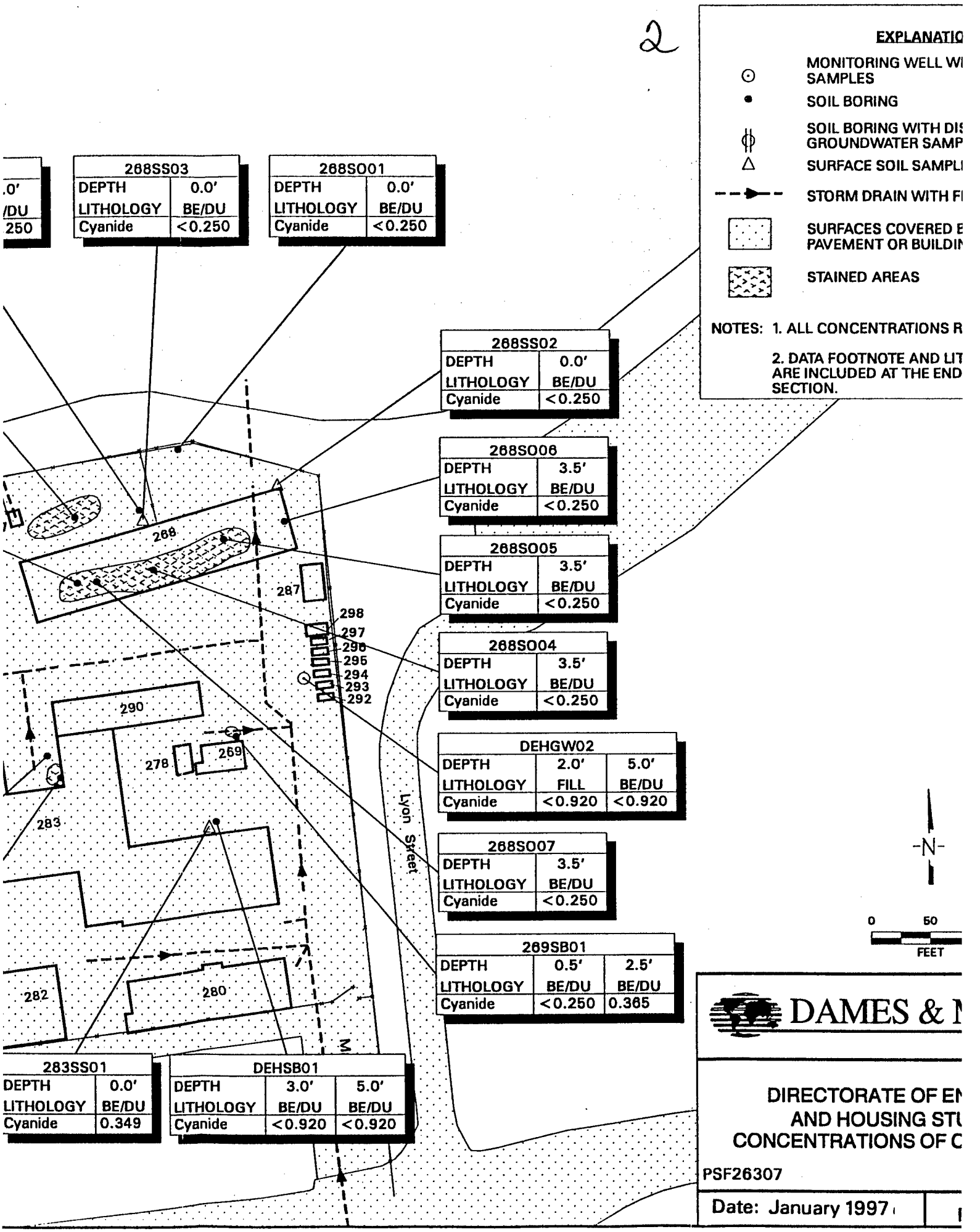


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Nov 96 09:29:50 Wednesday, I:\... 11x17_v3.aml, plotfile base_DEIL_S_10.grn, PSF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EXPLANATIO
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SOIL BORING WITH DI GROUNDWATER SAMP
SURFACE SOIL SAMPLI
STORM DRAIN WITH FI
SURFACES COVERED E PAVEMENT OR BUILDI
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS R
2. DATA FOOTNOTE AND LIT ARE INCLUDED AT THE END SECTION.
268SS03
DEPTH 0.0′
LITHOLOGY BE/DU
Cyanide <0.250
268SO01
DEPTH 0.0′
LITHOLOGY BE/DU
Cyanide <0.250
268SS02
DEPTH 0.0′
LITHOLOGY BE/DU
Cyanide <0.250
268SO06
DEPTH 3.5′
LITHOLOGY BE/DU
Cyanide <0.250
268SO05
DEPTH 3.5′
LITHOLOGY BE/DU
Cyanide <0.250
268SO04
DEPTH 3.5′
LITHOLOGY BE/DU
Cyanide <0.250
DEHGW02
DEPTH 2.0′ 5.0′
LITHOLOGY FILL BE/DU
Cyanide <0.920 <0.920
268SO07
DEPTH 3.5′
LITHOLOGY BE/DU
Cyanide <0.250
269SB01
DEPTH 0.5′ 2.5′
LITHOLOGY BE/DU BE/DU
Cyanide <0.250 0.365
283SS01
DEPTH 0.0′
LITHOLOGY BE/DU
Cyanide 0.349
DEHSB01
DEPTH 3.0′ 5.0′
LITHOLOGY BE/DU BE/DU
Cyanide <0.920 <0.920
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DAMES &
DIRECTORATE OF EN
AND HOUSING STU
CONCENTRATIONS OF C
PSF26307
Date: January 1997

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EXPLANATION

- ⊙ MONITORING WELL WITH SOIL SAMPLES
- • SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- ---▶--- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

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DU
250

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5'	2.5'
DU	BE/DU
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DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CYANIDE IN SOIL

PSF26307

Date: January 1997 | Figure 7.5-9

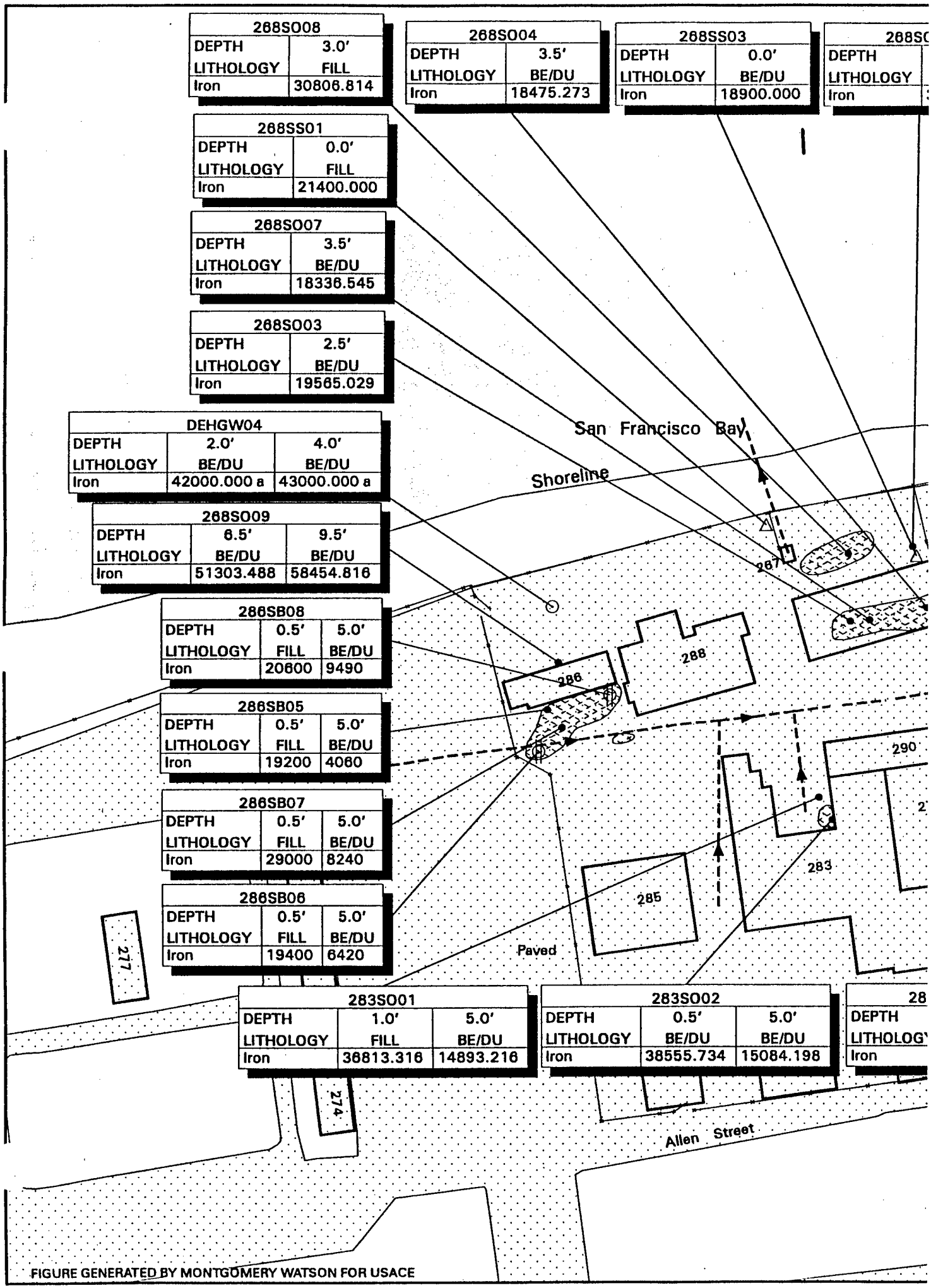
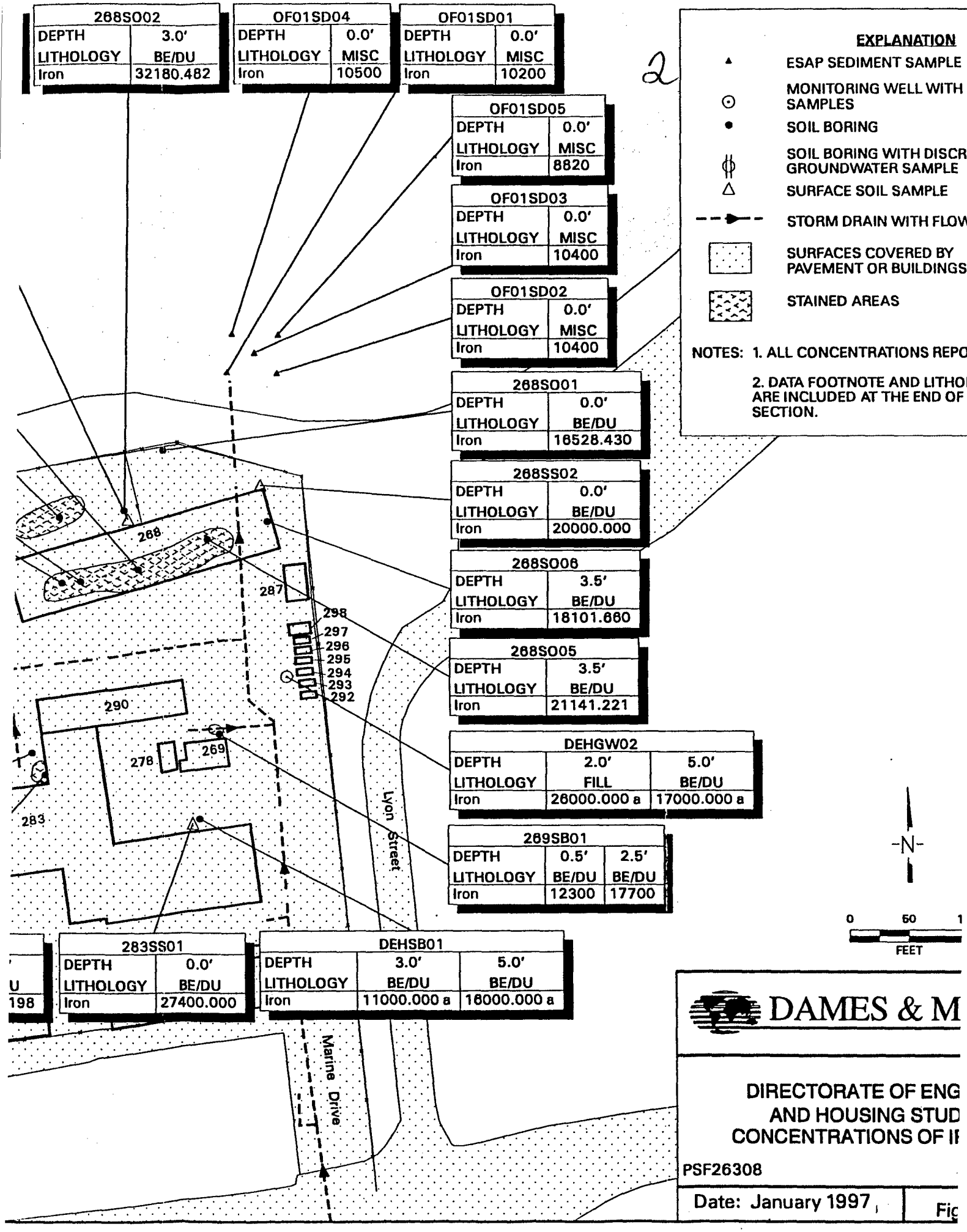


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


268SO02
DEPTH 3.0'
LITHOLOGY BE/DU
Iron 32180.482
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Iron 10500
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Iron 10200
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Iron 8820
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Iron 10400
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Iron 10400
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Iron 16528.430
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Iron 20000.000
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Iron 18101.660
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Iron 21141.221
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Iron 26000.000 a 17000.000 a
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Iron 12300 17700
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Iron 27400.000
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Iron 11000.000 a 16000.000 a
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH S SAMPLES
SOIL BORING
SOIL BORING WITH DISCRE GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF SECTION.
268
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Marine Drive
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DAMES & M
DIRECTORATE OF ENG
AND HOUSING STUD
CONCENTRATIONS OF I
PSF26308
Date: January 1997
Fig

3

EXPLANATION

- ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

HGW02	
2.0' FILL	5.0' BE/DU
00.000 a	17000.000 a

2.5' BE/DU	
17700	

-N-

0 50 100

FEET

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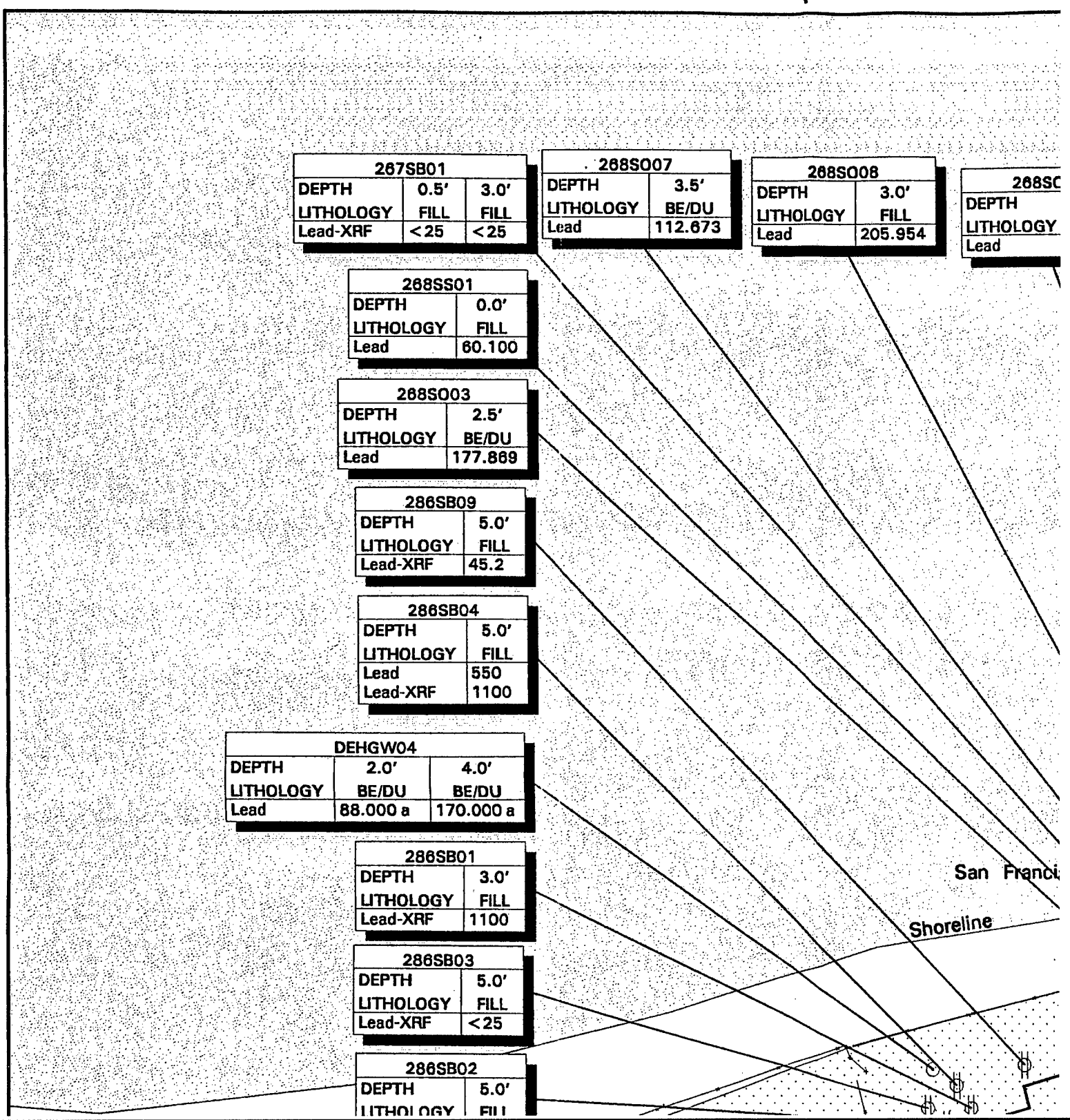
DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF IRON IN SOIL

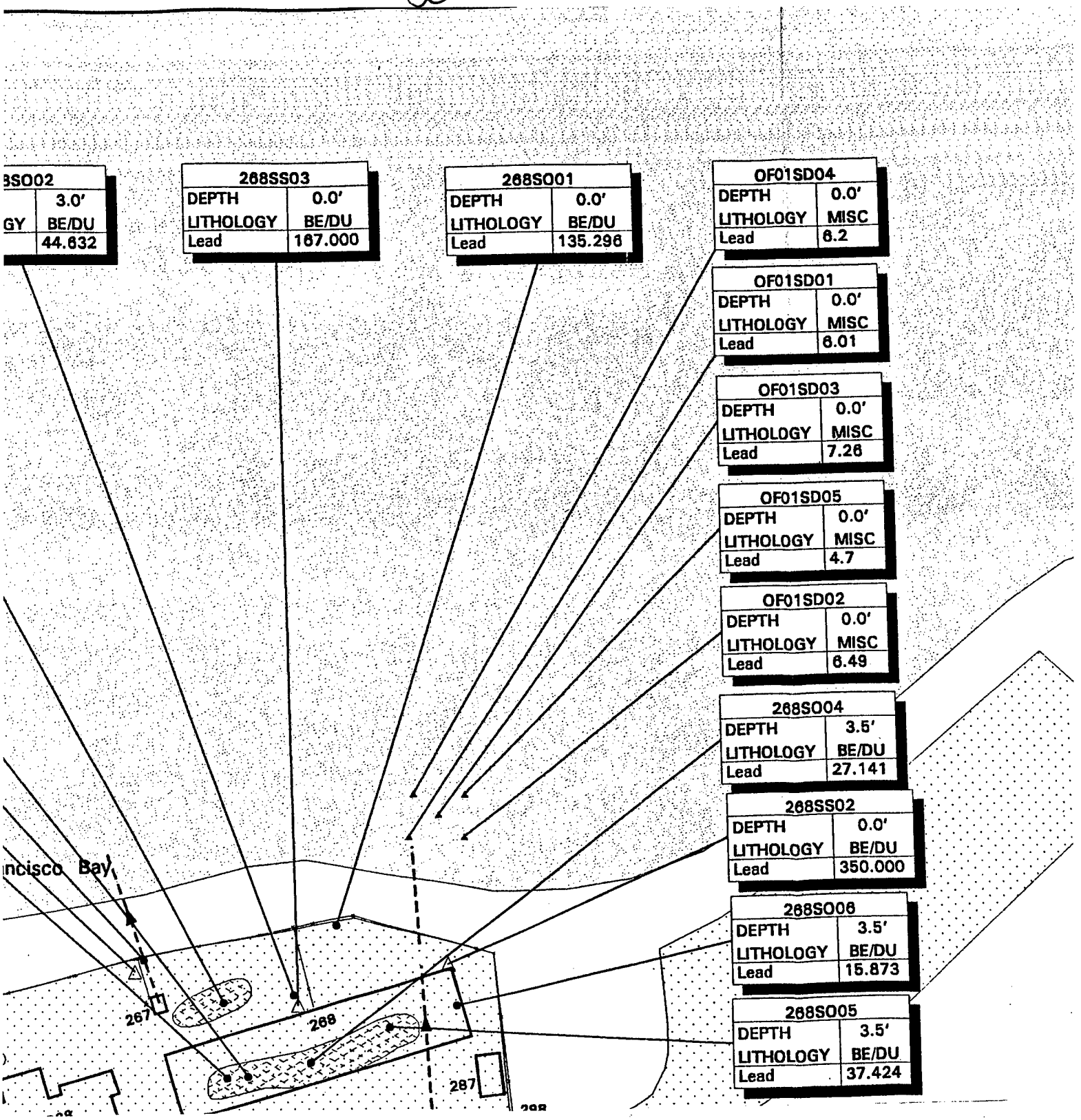
PSF26308

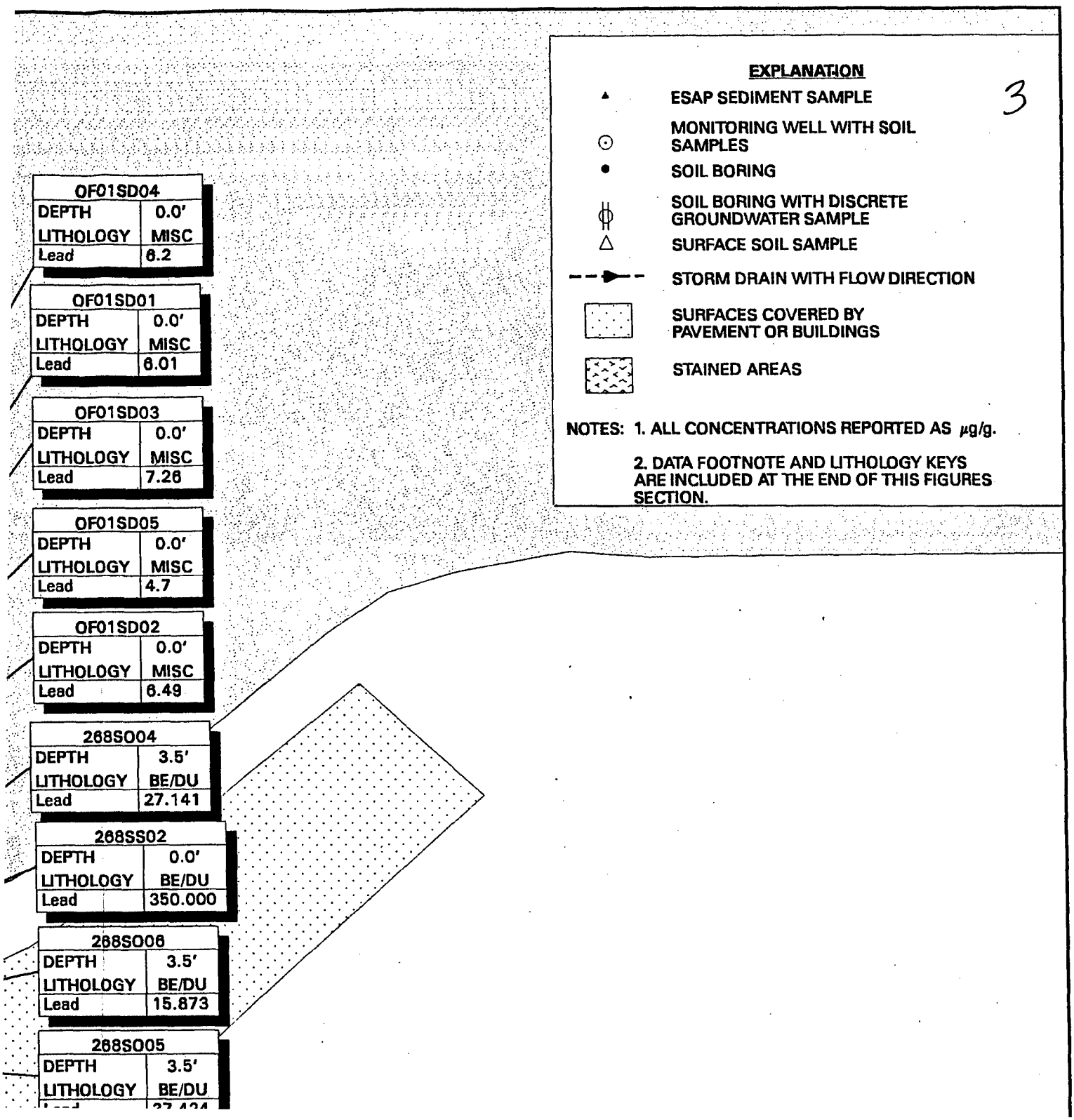
Date: January 1997

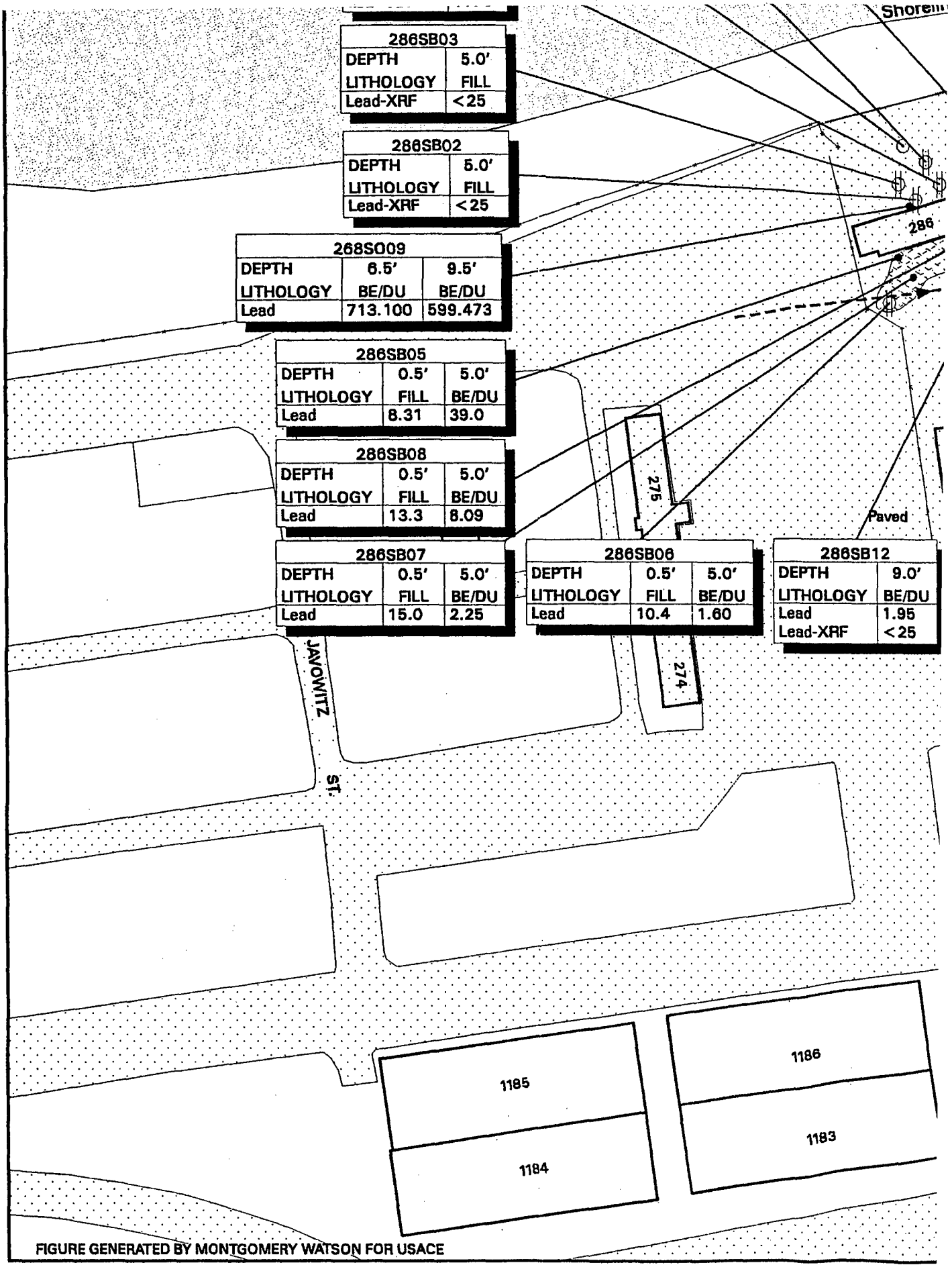
Figure 7.5-10


267SB01
DEPTH | 0.5' | 3.0'
LITHOLOGY | FILL | FILL
Lead-XRF | <25 | <25
268SO07
DEPTH | 3.5'
LITHOLOGY | BE/DU
Lead | 112.673
268SO08
DEPTH | 3.0'
LITHOLOGY | FILL
Lead | 205.954
268SC
DEPTH
LITHOLOGY
Lead
268SS01
DEPTH | 0.0'
LITHOLOGY | FILL
Lead | 60.100
268SO03
DEPTH | 2.5'
LITHOLOGY | BE/DU
Lead | 177.869
286SB09
DEPTH | 5.0'
LITHOLOGY | FILL
Lead-XRF | 45.2
286SB04
DEPTH | 5.0'
LITHOLOGY | FILL
Lead | 550
Lead-XRF | 1100
DEHGW04
DEPTH | 2.0' | 4.0'
LITHOLOGY | BE/DU | BE/DU
Lead | 88.000 a | 170.000 a
286SB01
DEPTH | 3.0'
LITHOLOGY | FILL
Lead-XRF | 1100
286SB03
DEPTH | 5.0'
LITHOLOGY | FILL
Lead-XRF | <25
286SB02
DEPTH | 5.0'
LITHOLOGY | FIL
San Franci
Shoreline

2

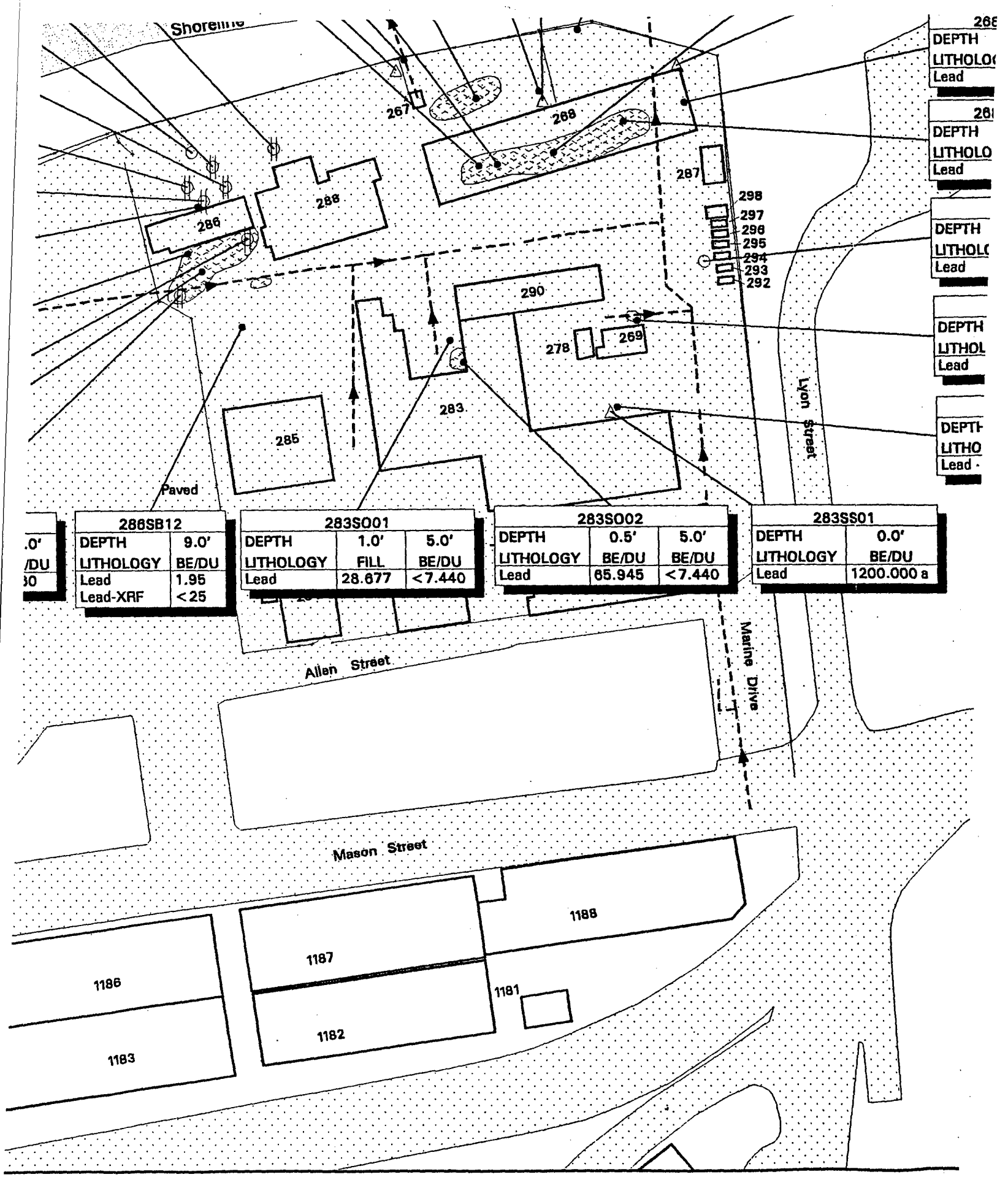

3SO02
3.0'
GY BE/DU
44.632
268SS03
DEPTH 0.0'
LITHOLOGY BE/DU
Lead 167.000
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Lead 135.296
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.2
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.01
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Lead 7.26
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Lead 4.7
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.49
268SO04
DEPTH 3.5'
LITHOLOGY BE/DU
Lead 27.141
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Lead 350.000
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Lead 15.873
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Lead 37.424
ncisco Bay
267
268
287


EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW DIRECTION
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.2
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.01
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Lead 7.26
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Lead 4.7
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.49
268SO04
DEPTH 3.5'
LITHOLOGY BE/DU
Lead 27.141
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Lead 350.000
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Lead 15.873
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU



20 Sep 96 09:19:46 Friday, base_11x17_v3.mxd, plotfile base_DEH_S_12.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


Shoreline
267
268
287
298
297
296
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293
292
288
286
290
278
269
283
285
Paved
Lyon Street
Marine Drive
Allen Street
Mason Street
1188
1187
1186
1181
1182
1183
286SB12
DEPTH 9.0'
LITHOLOGY BE/DU
Lead 1.95
Lead-XRF <25
283SO01
DEPTH 1.0' 5.0'
LITHOLOGY FILL BE/DU
Lead 28.677 <7.440
283SO02
DEPTH 0.5' 5.0'
LITHOLOGY BE/DU BE/DU
Lead 65.945 <7.440
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Lead 1200.000 a

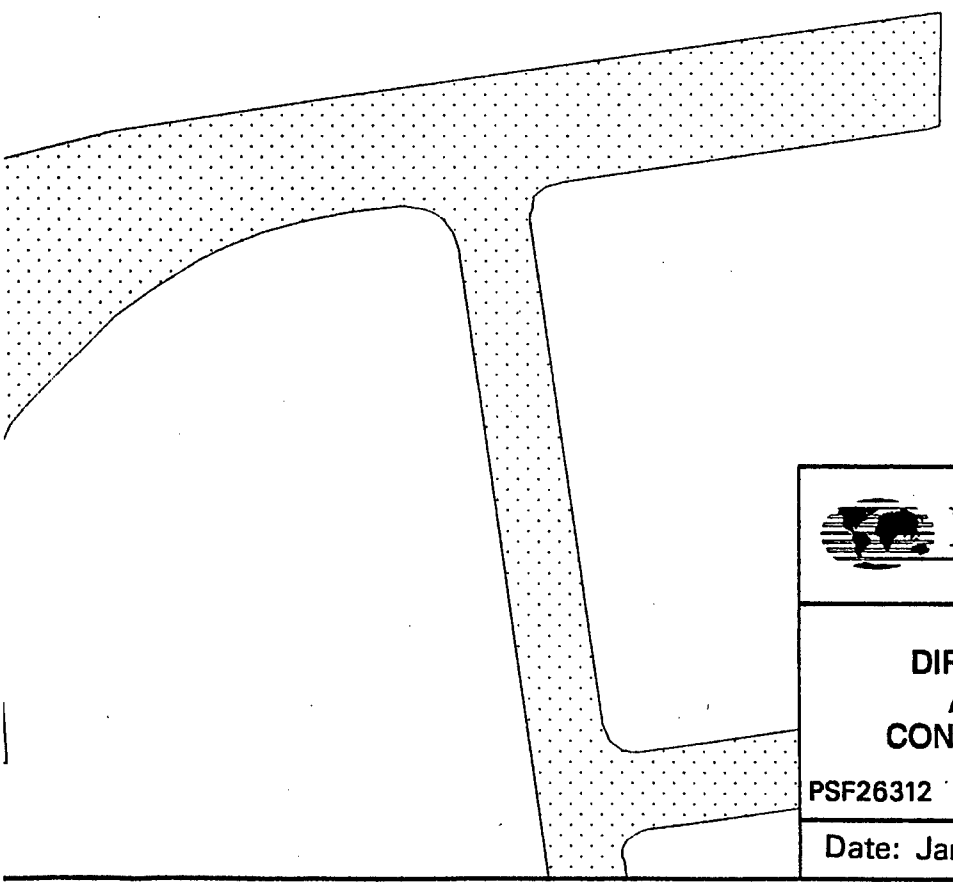
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	15.873

268SO05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	37.424

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Lead	18.000 a	23.000 a

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Lead	17.8	17.3

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Lead	6.330	7.010



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AND HOUSING STUDY AREA
CONCENTRATIONS OF LEAD IN SOIL

PSF26312

Date: January 1997

Figure 7.5-11

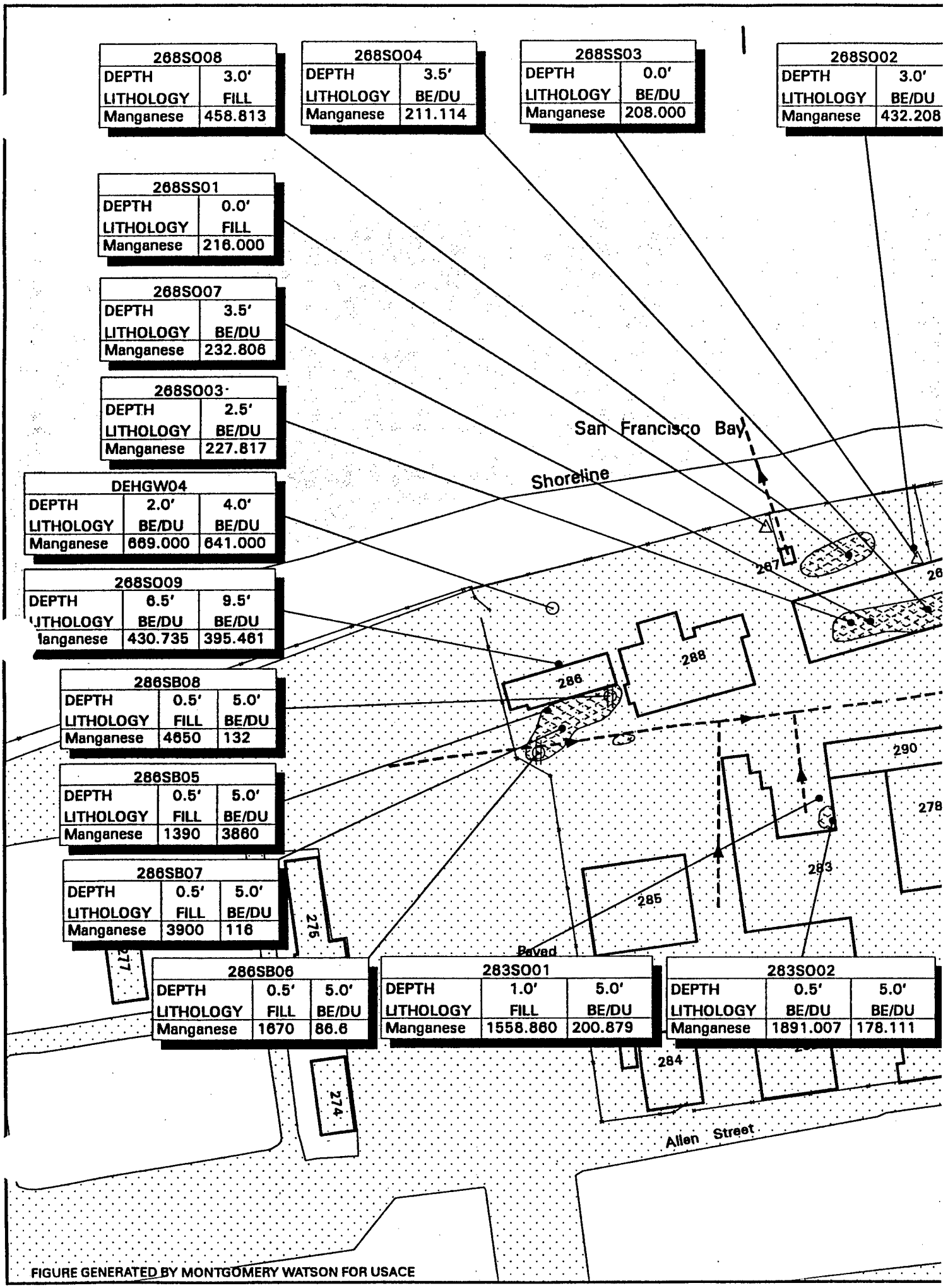

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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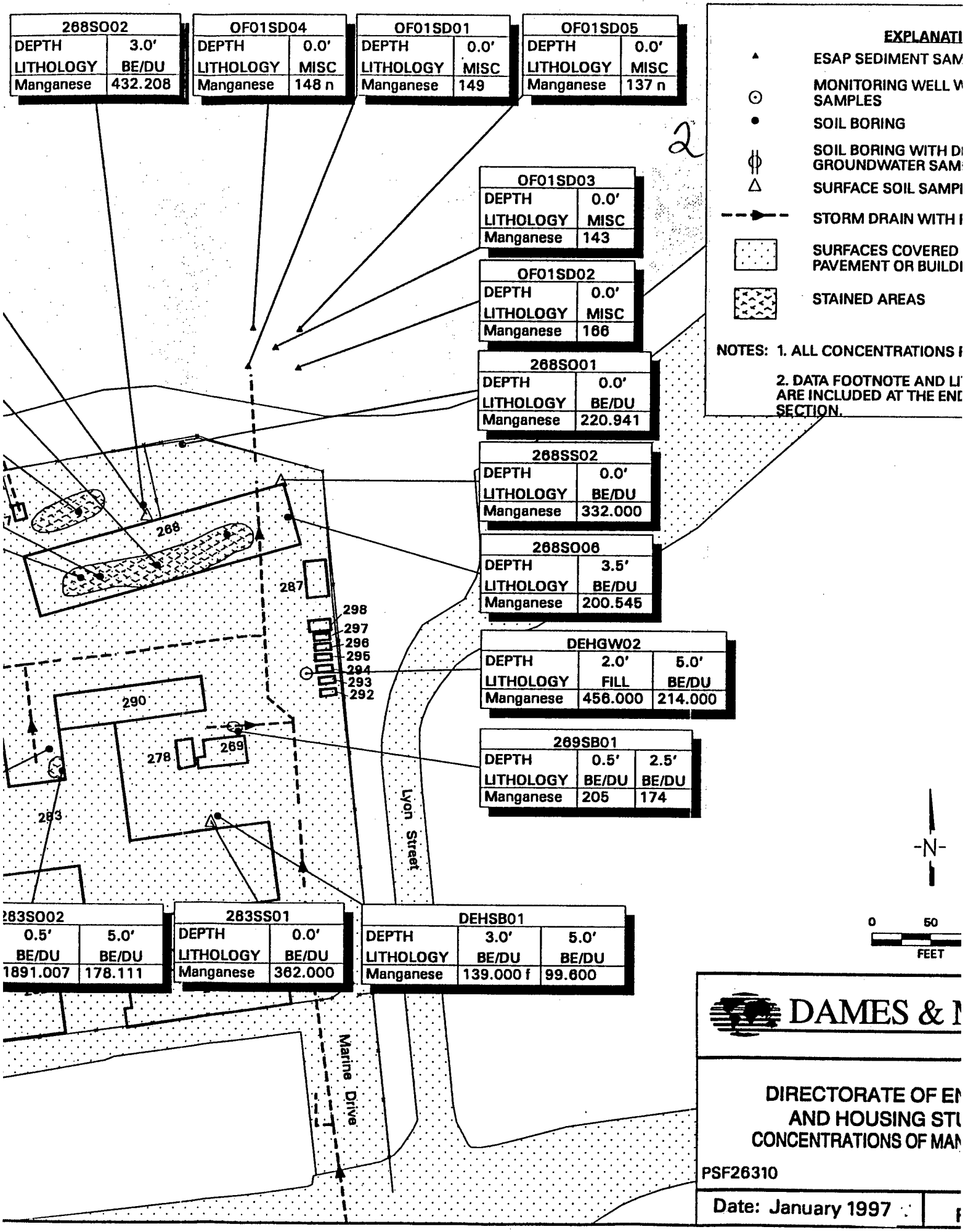
268SO02
DEPTH 3.0'
LITHOLOGY BE/DU
Manganese 432.208
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Manganese 148 n
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Manganese 149
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Manganese 137 n
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Manganese 143
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Manganese 166
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Manganese 220.941
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Manganese 332.000
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Manganese 200.545
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Manganese 456.000 214.000
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Manganese 205 174
283SO02
0.5' 5.0'
BE/DU BE/DU
1891.007 178.111
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Manganese 362.000
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Manganese 139.000 f 99.600
EXPLANATI
ESAP SEDIMENT SAM
MONITORING WELL W
SAMPLES
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SOIL BORING WITH DI
GROUNDWATER SAM
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STORM DRAIN WITH I
SURFACES COVERED
PAVEMENT OR BUILDI
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS I
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.
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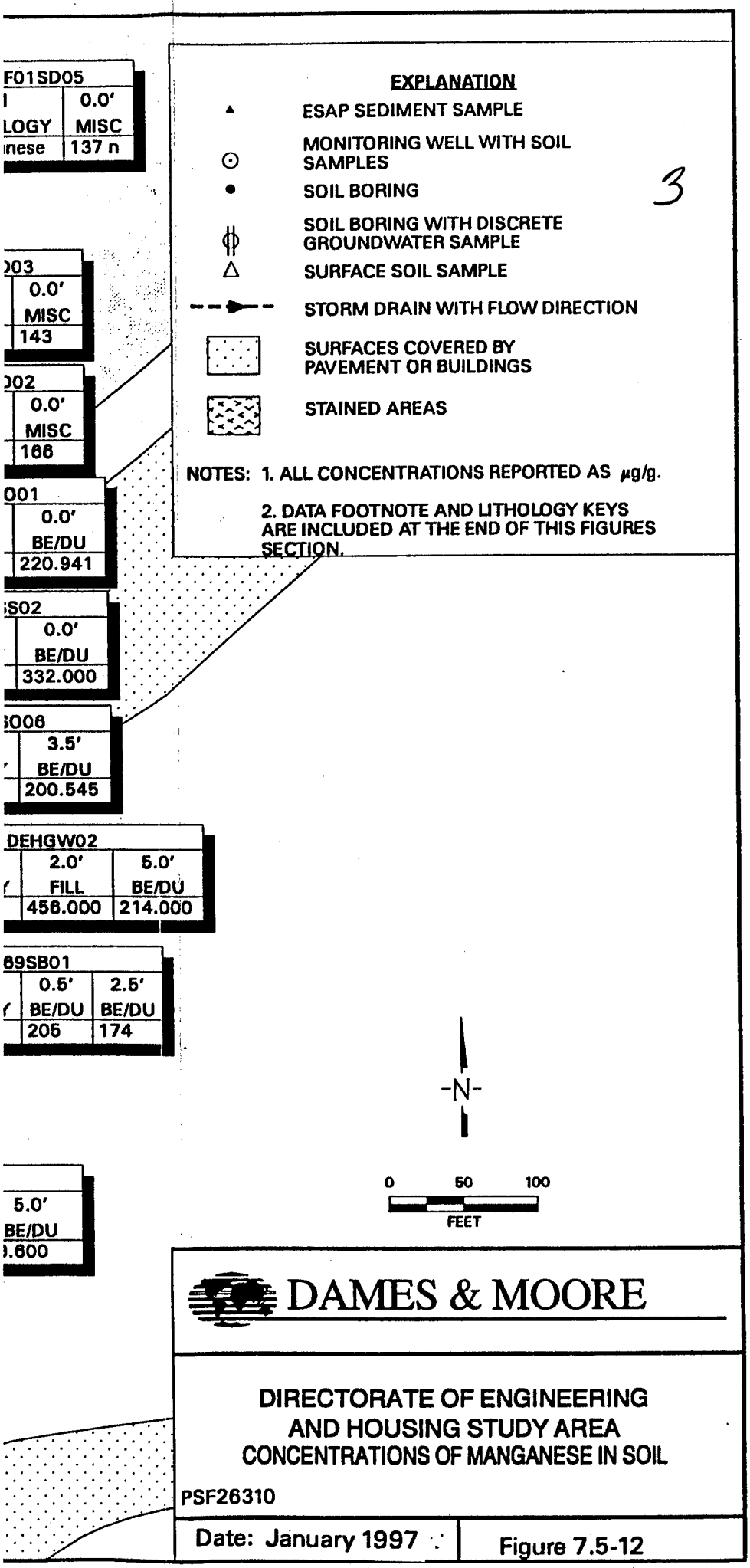
DAMES & M
DIRECTORATE OF EN
AND HOUSING STU
CONCENTRATIONS OF MAN
PSF26310
Date: January 1997


F01SD05
0.0'
LOGY
MISC
137 n
003
0.0'
MISC
143
002
0.0'
MISC
166
001
0.0'
BE/DU
220.941
S02
0.0'
BE/DU
332.000
S006
3.5'
BE/DU
200.545
DEHGW02
2.0'
5.0'
FILL
BE/DU
456.000
214.000
69SB01
0.5'
2.5'
BE/DU
BE/DU
205
174
5.0'
BE/DU
.600
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW DIRECTION
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3
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FEET
DAMES & MOORE
DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA
CONCENTRATIONS OF MANGANESE IN SOIL
PSF26310
Date: January 1997
Figure 7.5-12

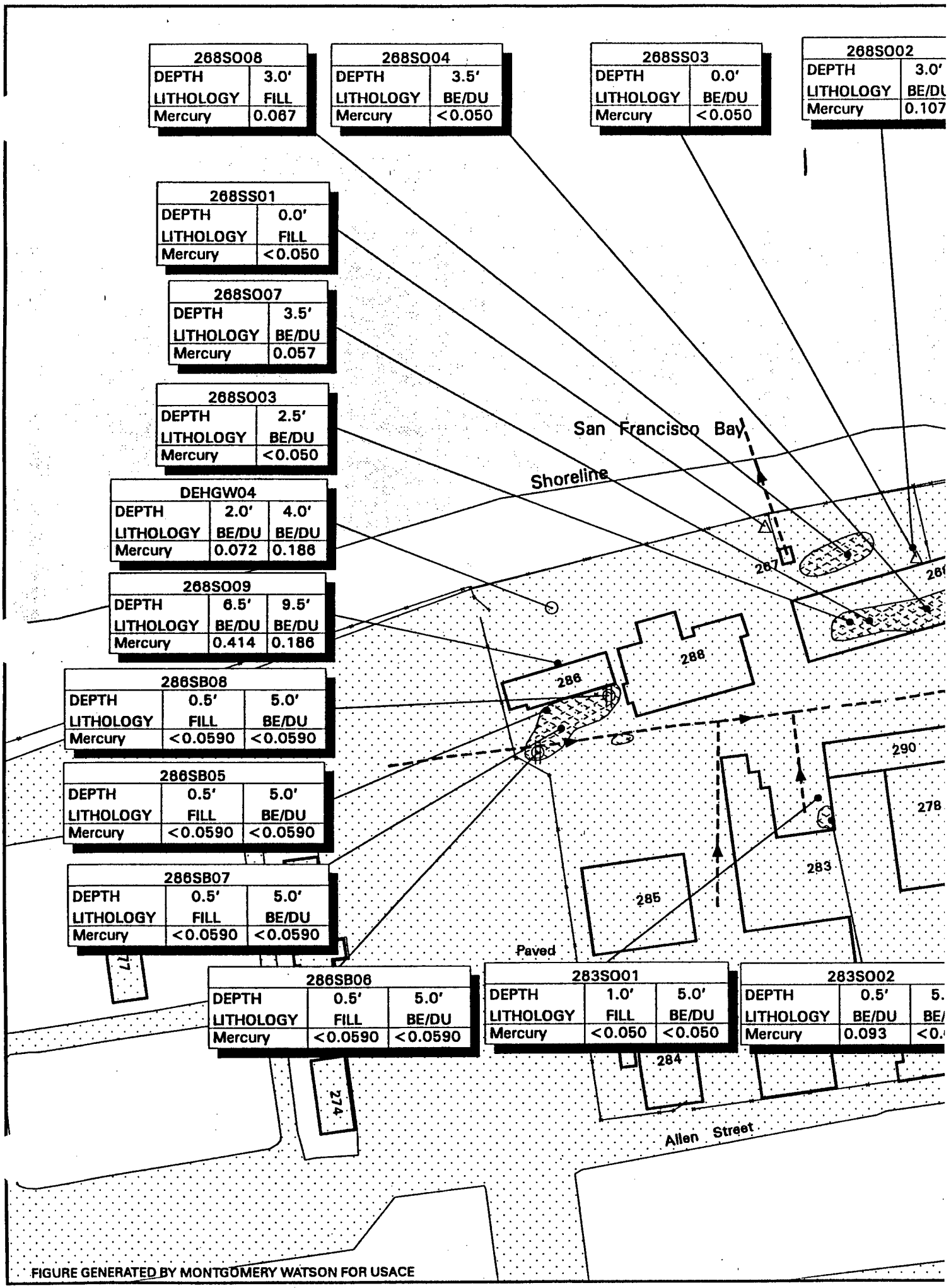

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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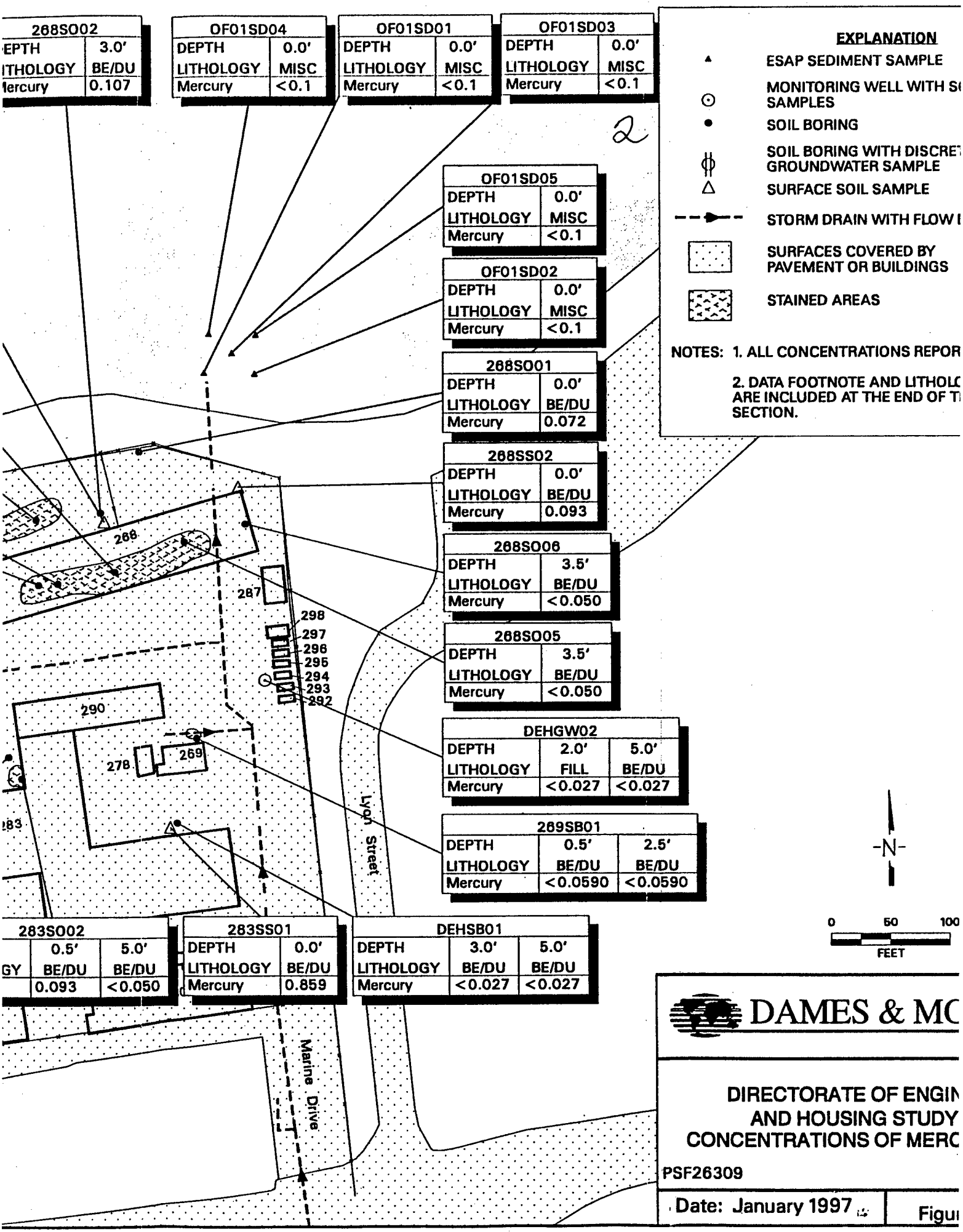
268SO02
EPTH 3.0'
ITHOLOGY BE/DU
lercury 0.107
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Mercury <0.1
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Mercury <0.1
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Mercury <0.1
2
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Mercury <0.1
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Mercury <0.1
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Mercury 0.072
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Mercury 0.093
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Mercury <0.050
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Mercury <0.050
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Mercury <0.027 <0.027
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Mercury <0.0590 <0.0590
283SO02
GY 0.5' 5.0'
BE/DU BE/DU
0.093 <0.050
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Mercury 0.859
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Mercury <0.027 <0.027
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH S
SAMPLES
SOIL BORING
SOIL BORING WITH DISCRE
GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPOR
2. DATA FOOTNOTE AND LITHOLC ARE INCLUDED AT THE END OF T SECTION.
268
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Lyon Street
Marine Drive
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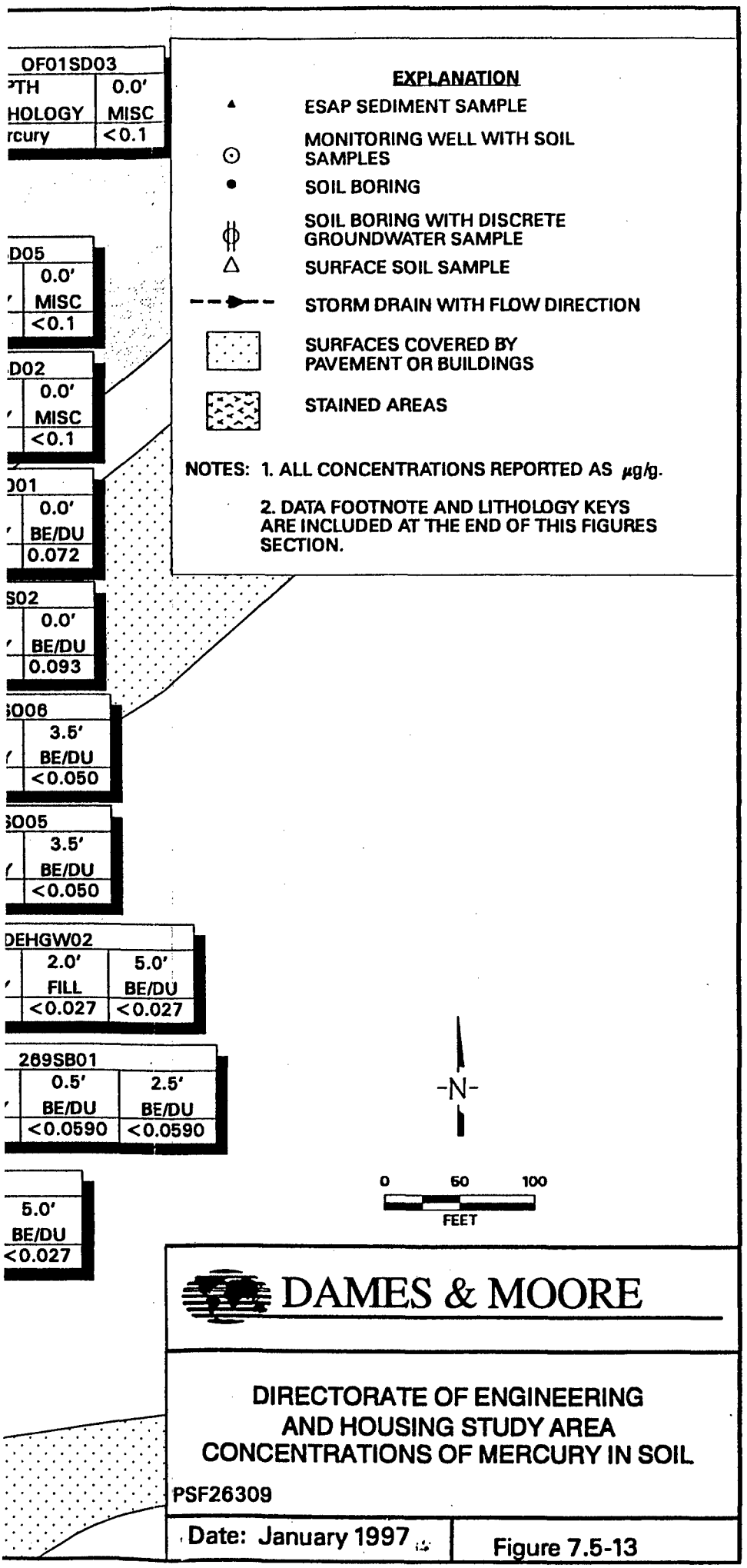
FEET
DAMES & MC
DIRECTORATE OF ENGI
AND HOUSING STUDY
CONCENTRATIONS OF MERC
PSF26309
Date: January 1997
Figu


OF01SD03
0.0'
MISC
<0.1
D05
0.0'
MISC
<0.1
D02
0.0'
MISC
<0.1
001
0.0'
BE/DU
0.072
S02
0.0'
BE/DU
0.093
S006
3.5'
BE/DU
<0.050
S005
3.5'
BE/DU
<0.050
DEHGW02
2.0'
FILL
<0.027
5.0'
BE/DU
<0.027
269SB01
0.5'
BE/DU
<0.0590
2.5'
BE/DU
<0.0590
5.0'
BE/DU
<0.027
EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW DIRECTION
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
-N-
0
60
100
FEET
DAMES & MOORE
DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF MERCURY IN SOIL
PSF26309
Date: January 1997
Figure 7.5-13

3

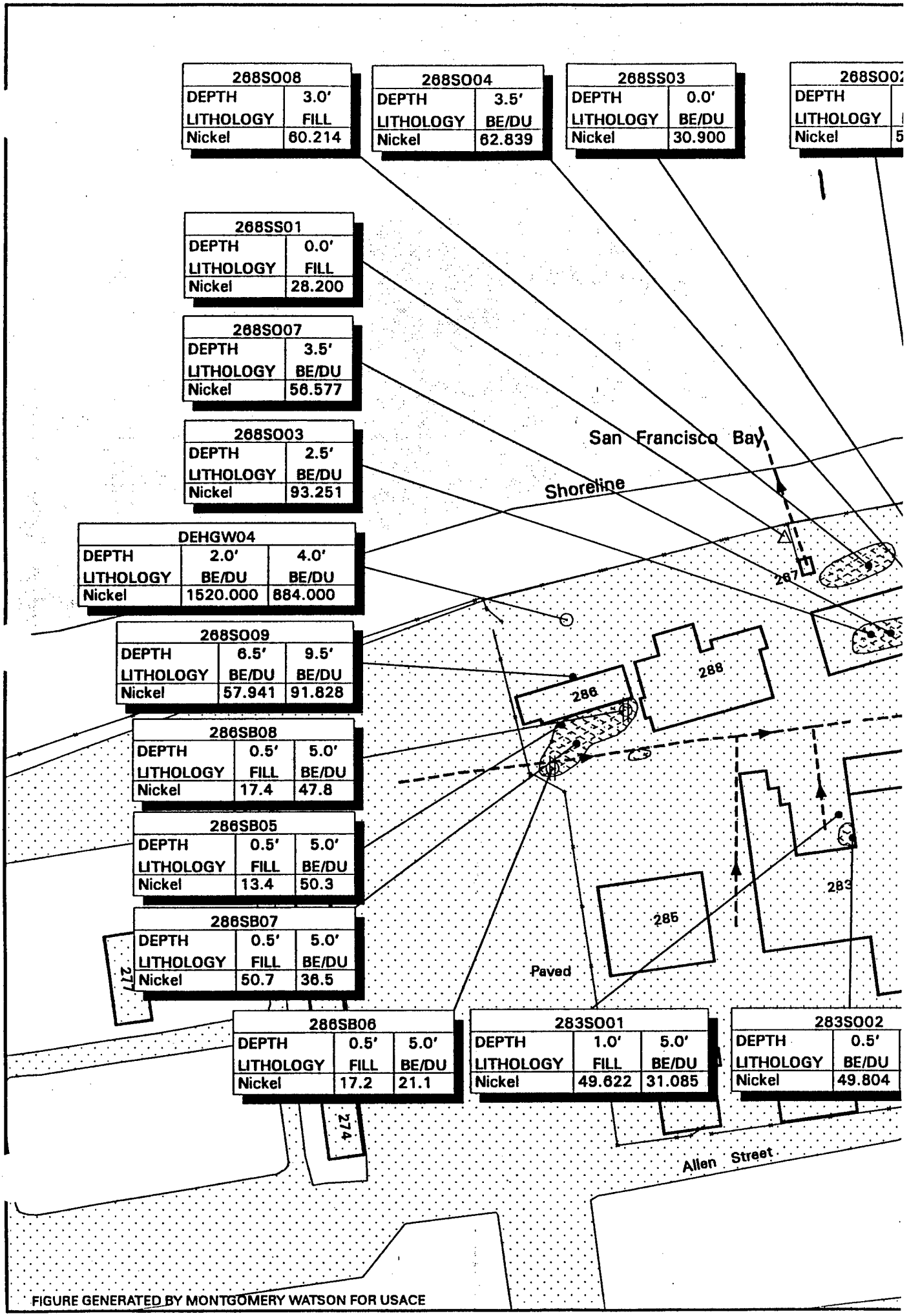
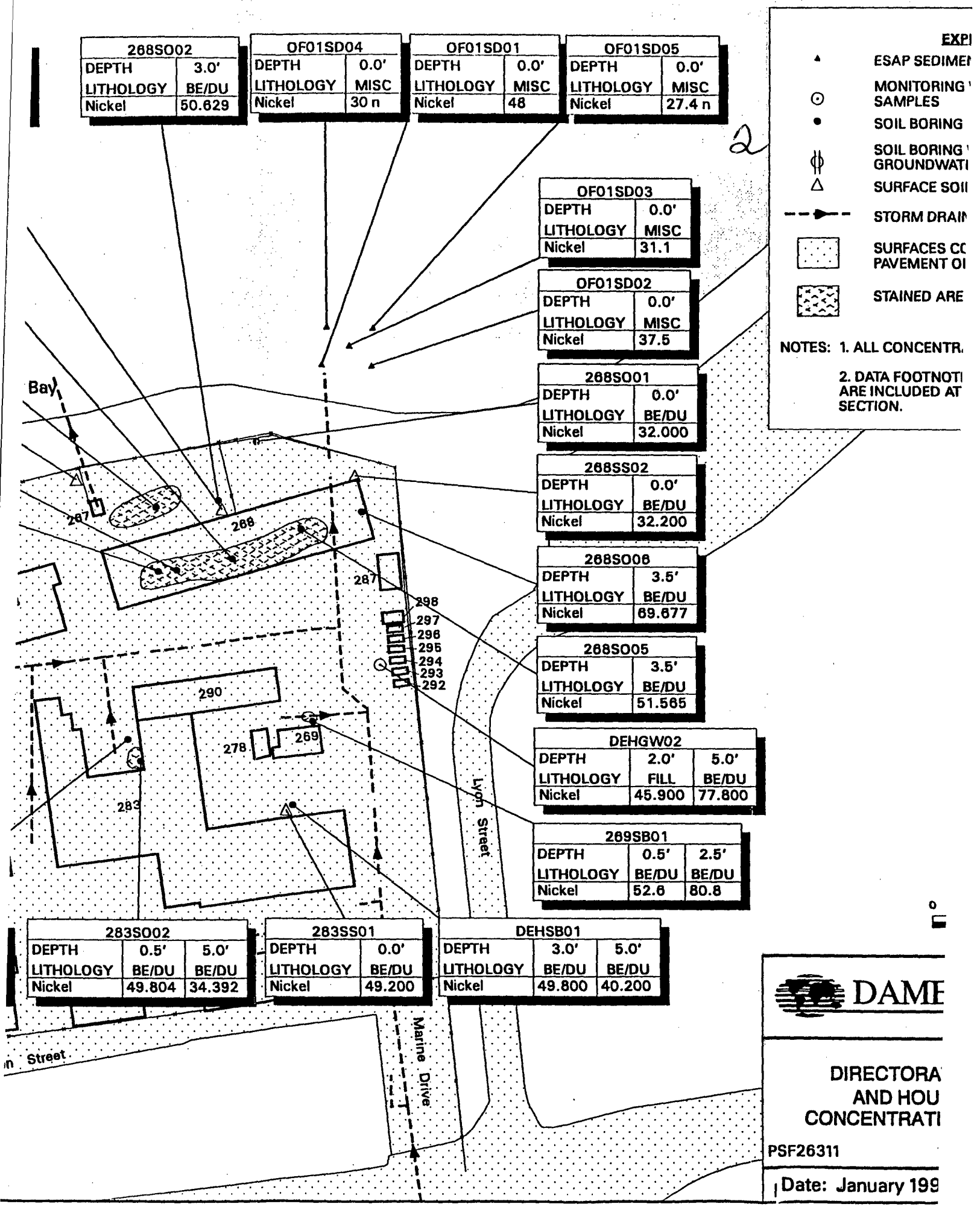


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

IX Sep 96 18:46:17 Wednesday, P:\... 11x17_v3.smf, pltdflt base_DEH_S_16.grn, PSF


268SO02
DEPTH 3.0'
LITHOLOGY BE/DU
Nickel 50.629
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Nickel 30 n
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Nickel 48
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Nickel 27.4 n
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Nickel 31.1
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Nickel 37.5
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Nickel 32.000
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Nickel 32.200
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Nickel 69.677
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Nickel 51.565
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Nickel 45.900 77.800
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Nickel 52.6 80.8
283SO02
DEPTH 0.5' 5.0'
LITHOLOGY BE/DU BE/DU
Nickel 49.804 34.392
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Nickel 49.200
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Nickel 49.800 40.200
EXPI
ESAP SEDIMEI
MONITORING
SAMPLES
SOIL BORING
SOIL BORING
GROUNDWATI
SURFACE SOI
STORM DRAI
SURFACES CC
PAVEMENT OI
STAINED ARE
NOTES: 1. ALL CONCENTR.
2. DATA FOOTNOTI
ARE INCLUDED AT
SECTION.
2
Bay
287
288
287
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296
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293
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278
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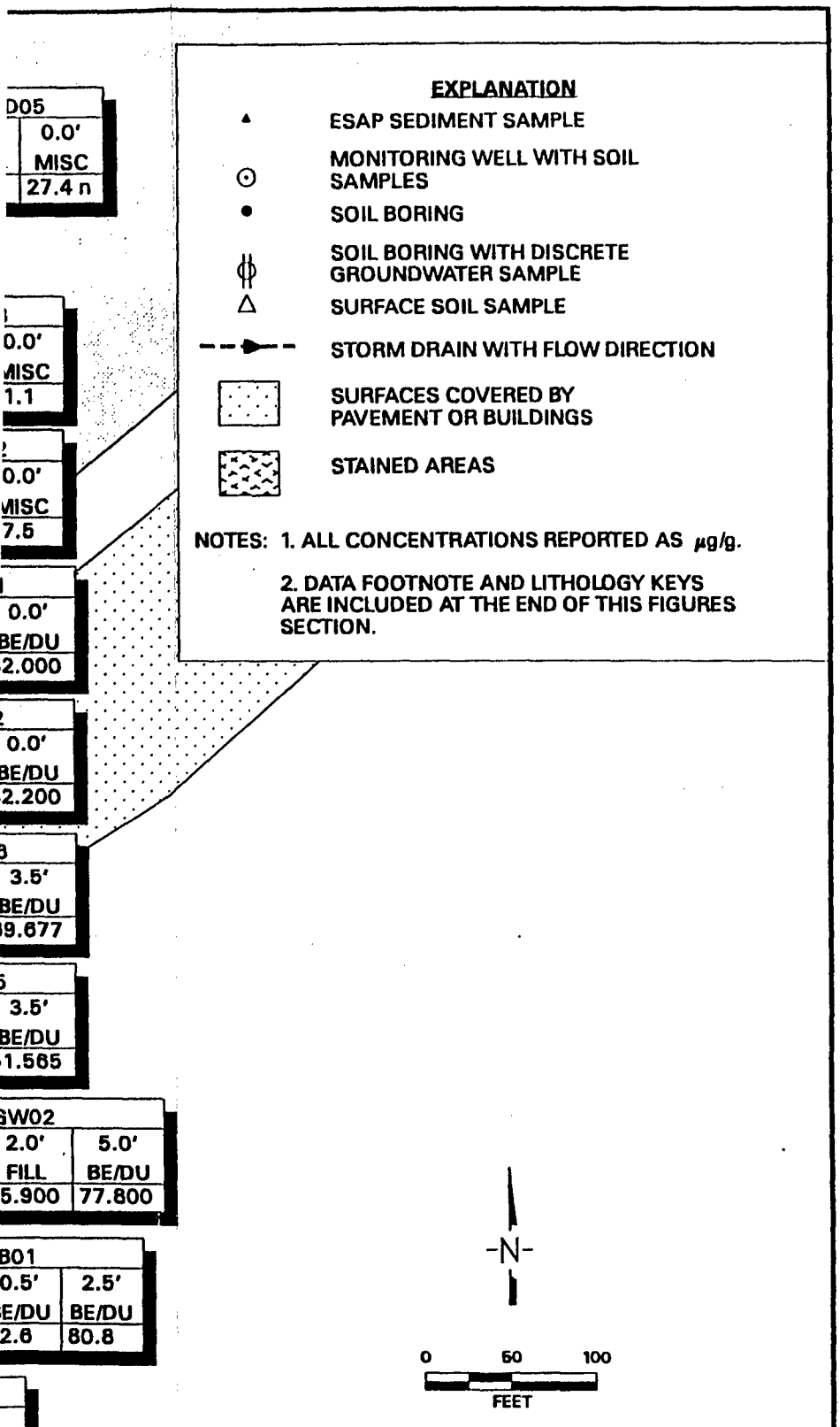
283
Lyon Street
Marine Drive
n Street
DAME
DIRECTORA
AND HOU
CONCENTRATI
PSF26311
Date: January 199



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF NICKEL IN SOIL

PSF26311

Date: January 1997

Figure 7.5-14

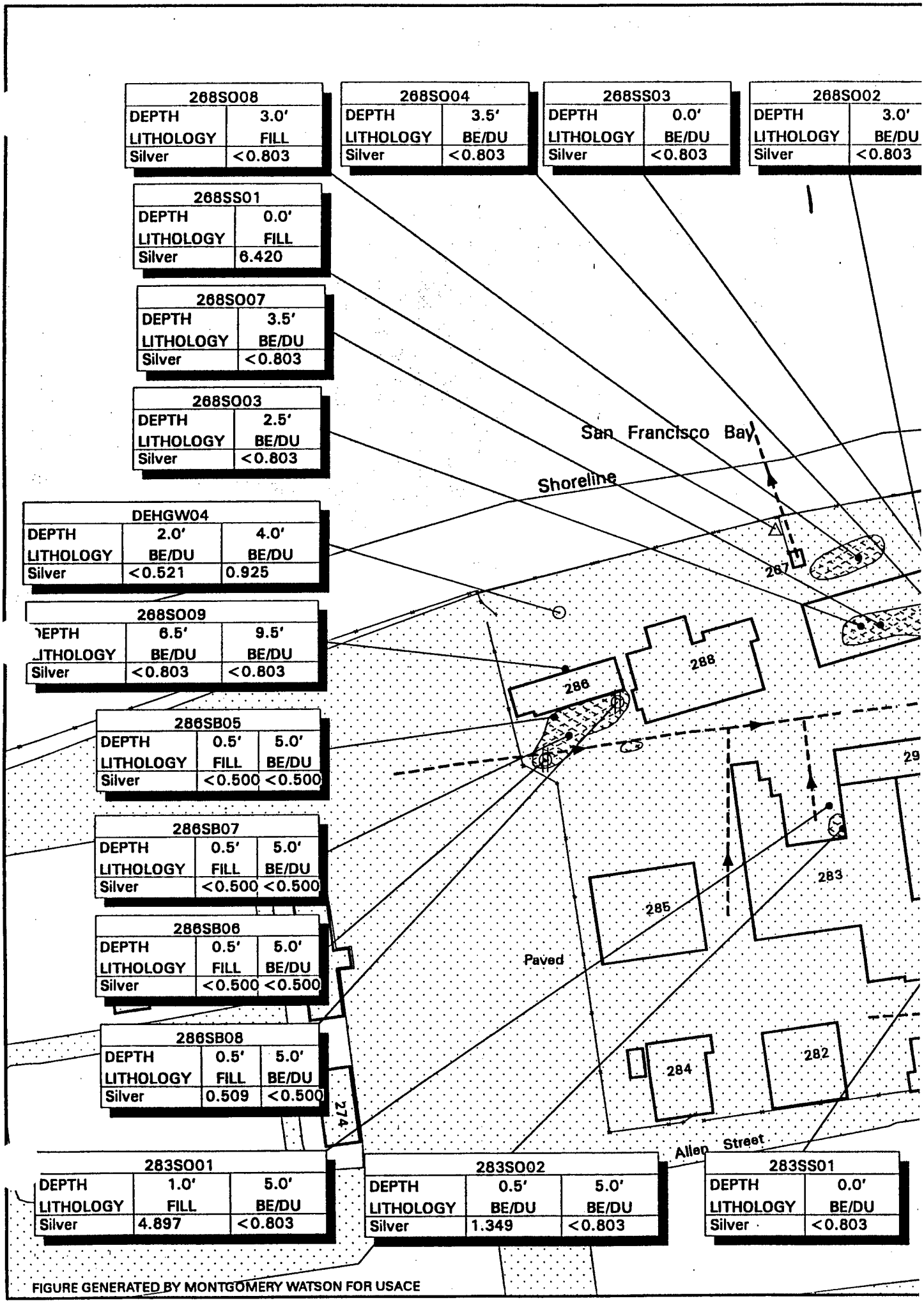
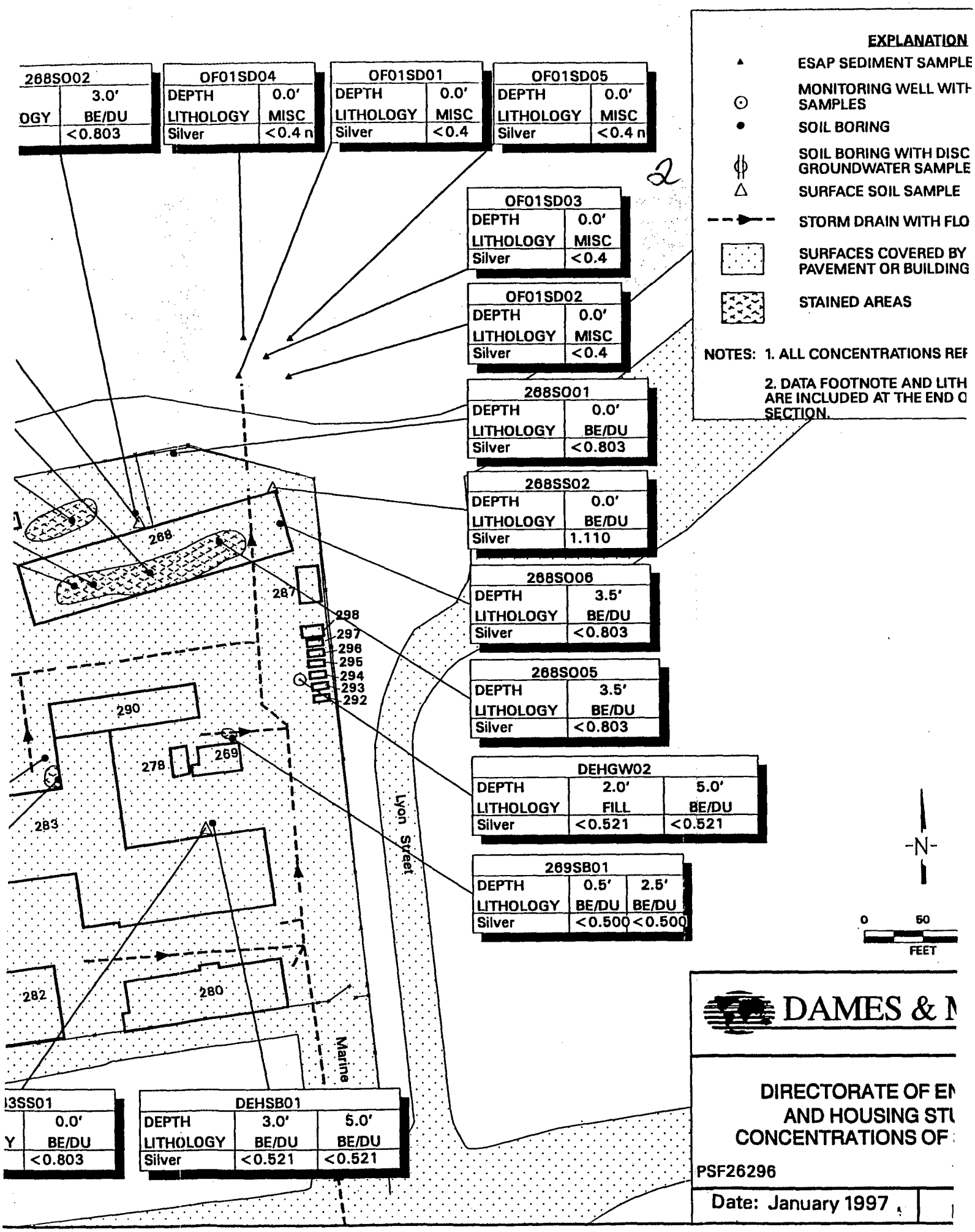
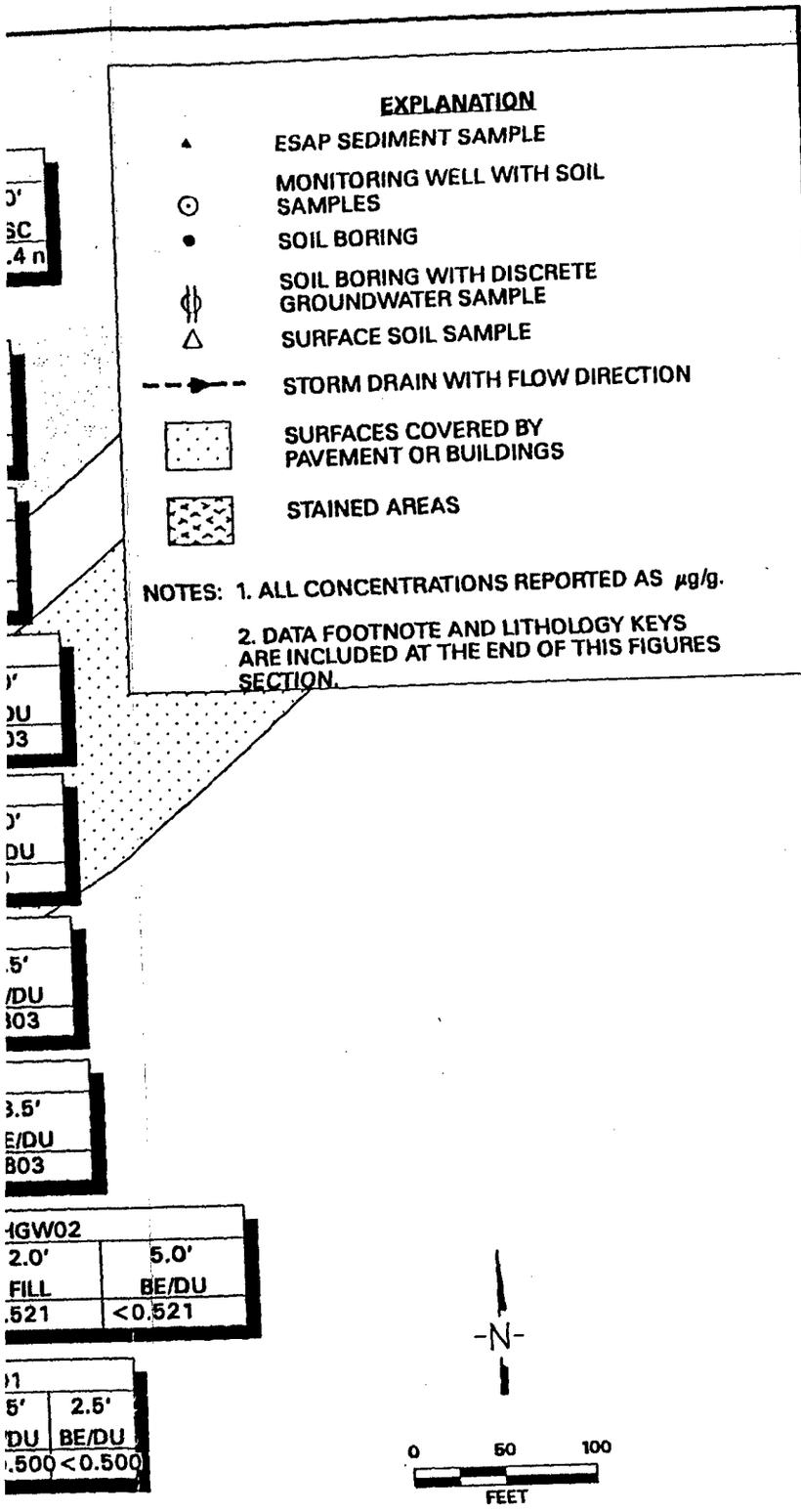


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Nov 96 10:28:11 Wednesday, user_11x17_v3.aml, plotfile base_DEH_S_IR.gra, PSF


EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH SAMPLES
SOIL BORING
SOIL BORING WITH DISC GROUNDWATER SAMPLE
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLO
SURFACES COVERED BY PAVEMENT OR BUILDING
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
2
268SO02
OGY | 3.0' | BE/DU | <0.803
OF01SD04
DEPTH | 0.0'
LITHOLOGY | MISC
Silver | <0.4 n
OF01SD01
DEPTH | 0.0'
LITHOLOGY | MISC
Silver | <0.4
OF01SD05
DEPTH | 0.0'
LITHOLOGY | MISC
Silver | <0.4 n
OF01SD03
DEPTH | 0.0'
LITHOLOGY | MISC
Silver | <0.4
OF01SD02
DEPTH | 0.0'
LITHOLOGY | MISC
Silver | <0.4
268SO01
DEPTH | 0.0'
LITHOLOGY | BE/DU
Silver | <0.803
268SS02
DEPTH | 0.0'
LITHOLOGY | BE/DU
Silver | 1.110
268SO06
DEPTH | 3.5'
LITHOLOGY | BE/DU
Silver | <0.803
268SO05
DEPTH | 3.5'
LITHOLOGY | BE/DU
Silver | <0.803
DEHGW02
DEPTH | 2.0' | 5.0'
LITHOLOGY | FILL | BE/DU
Silver | <0.521 | <0.521
269SB01
DEPTH | 0.5' | 2.5'
LITHOLOGY | BE/DU | BE/DU
Silver | <0.500 | <0.500
268
287
298
297
296
295
294
293
292
290
278
269
283
282
280
Lyon Street
Marine
-N-
0 50
FEET
03SS01
Y | 0.0' | BE/DU | <0.803
DEHSB01
DEPTH | 3.0' | 5.0'
LITHOLOGY | BE/DU | BE/DU
Silver | <0.521 | <0.521
DAMES & M
DIRECTORATE OF EN
AND HOUSING STU
CONCENTRATIONS OF
PSF26296
Date: January 1997



3

DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF SILVER IN SOIL

PSF26296

Date: January 1997 | Figure 7.5-15

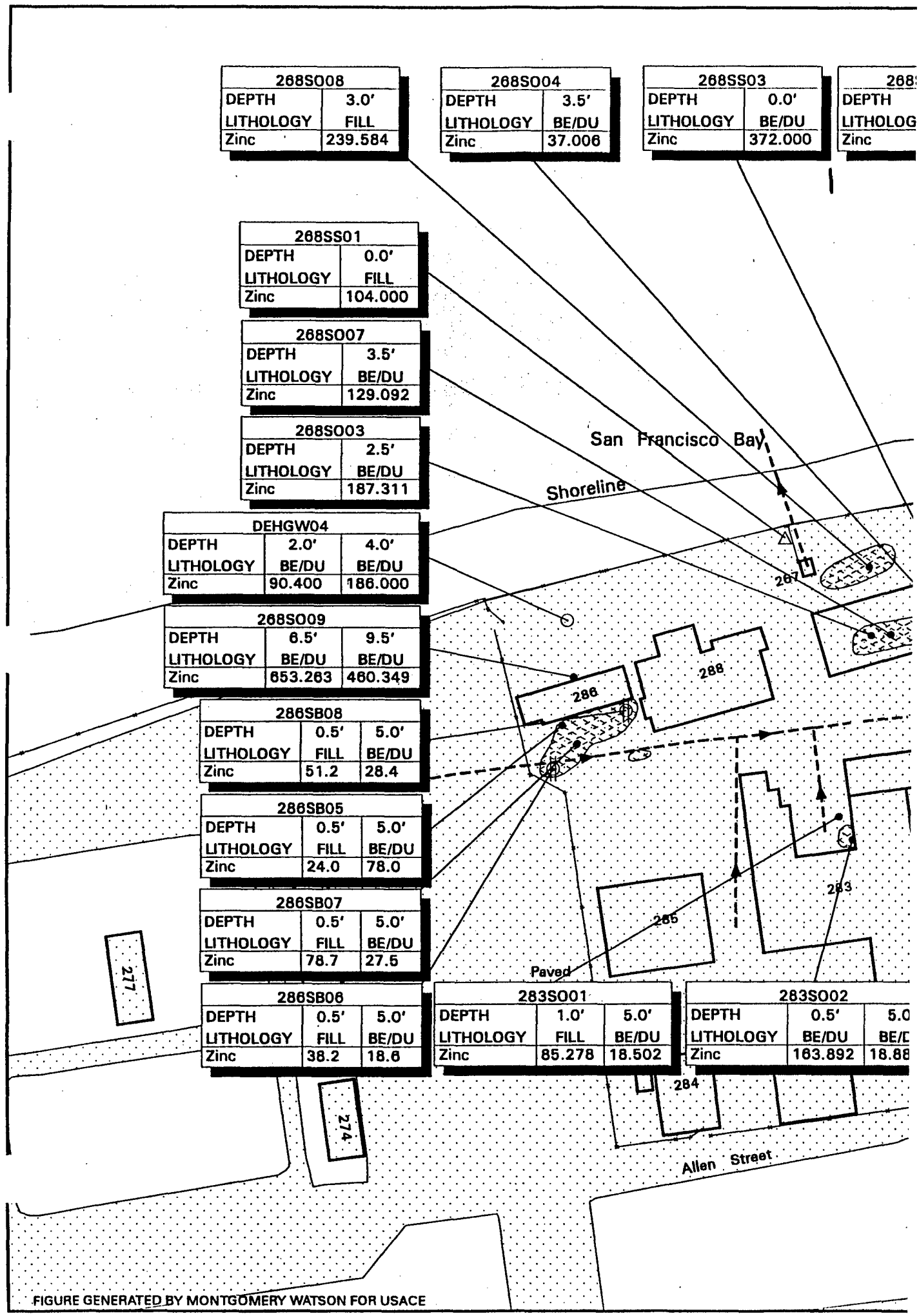
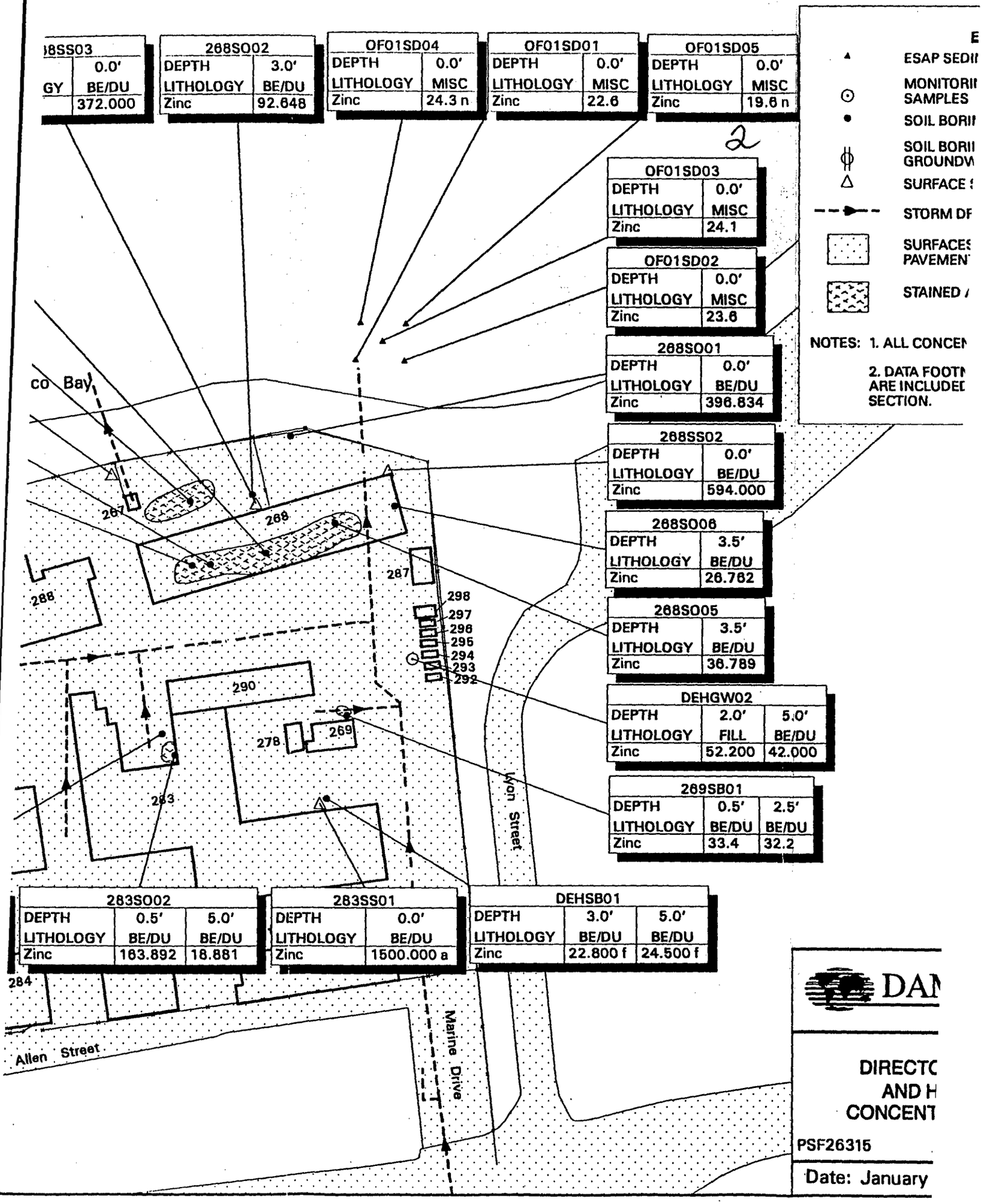


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

'x17_v3.amk, plotfile base_DEH_5_21.gra, PSF
18 Sep 96 11:50:35 Wednesday


268SS03
0.0'
BE/DU
372.000
268SO02
DEPTH 3.0'
LITHOLOGY BE/DU
Zinc 92.648
OF01SD04
DEPTH 0.0'
LITHOLOGY MISC
Zinc 24.3 n
OF01SD01
DEPTH 0.0'
LITHOLOGY MISC
Zinc 22.6
OF01SD05
DEPTH 0.0'
LITHOLOGY MISC
Zinc 19.6 n
OF01SD03
DEPTH 0.0'
LITHOLOGY MISC
Zinc 24.1
OF01SD02
DEPTH 0.0'
LITHOLOGY MISC
Zinc 23.6
268SO01
DEPTH 0.0'
LITHOLOGY BE/DU
Zinc 396.834
268SS02
DEPTH 0.0'
LITHOLOGY BE/DU
Zinc 594.000
268SO06
DEPTH 3.5'
LITHOLOGY BE/DU
Zinc 26.762
268SO05
DEPTH 3.5'
LITHOLOGY BE/DU
Zinc 36.789
DEHGW02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Zinc 52.200 42.000
269SB01
DEPTH 0.5' 2.5'
LITHOLOGY BE/DU BE/DU
Zinc 33.4 32.2
283SO02
DEPTH 0.5' 5.0'
LITHOLOGY BE/DU BE/DU
Zinc 163.892 18.881
283SS01
DEPTH 0.0'
LITHOLOGY BE/DU
Zinc 1500.000 a
DEHSB01
DEPTH 3.0' 5.0'
LITHOLOGY BE/DU BE/DU
Zinc 22.800 f 24.500 f
ESAP SEDI
MONITORI
SAMPLES
SOIL BORI
SOIL BORI
GROUNDW
SURFACE
STORM DF
SURFACES
PAVEMEN
STAINED
NOTES: 1. ALL CONCE
2. DATA FOOT
ARE INCLUDE
SECTION.
2
co Bay
267
268
287
288
298
297
296
295
294
293
292
290
278
269
283
284
Lyon Street
Marine Drive
Allen Street
DIRECTC
AND H
CONCENT
PSF26315
Date: January

3

OF01SD05	
TH	0.0'
HOLOGY	MISC
c	19.6 n

1SD03	
	0.0'
GY	MISC
	24.1

1SD02	
	0.0'
GY	MISC
	23.6

68SO01	
	0.0'
GY	BE/DU
	396.834

68SS02	
	0.0'
DGY	BE/DU
	594.000

68SO06	
	3.5'
DGY	BE/DU
	26.762

68SO05	
	3.5'
OGY	BE/DU
	36.789

DEHGW02		
	2.0'	5.0'
OGY	FILL	BE/DU
	52.200	42.000

269SB01		
	0.5'	2.5'
LOGY	BE/DU	BE/DU
	33.4	32.2

5.0'
BE/DU
4.500 f

EXPLANATION

- ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

-N-

0 50 100
FEET

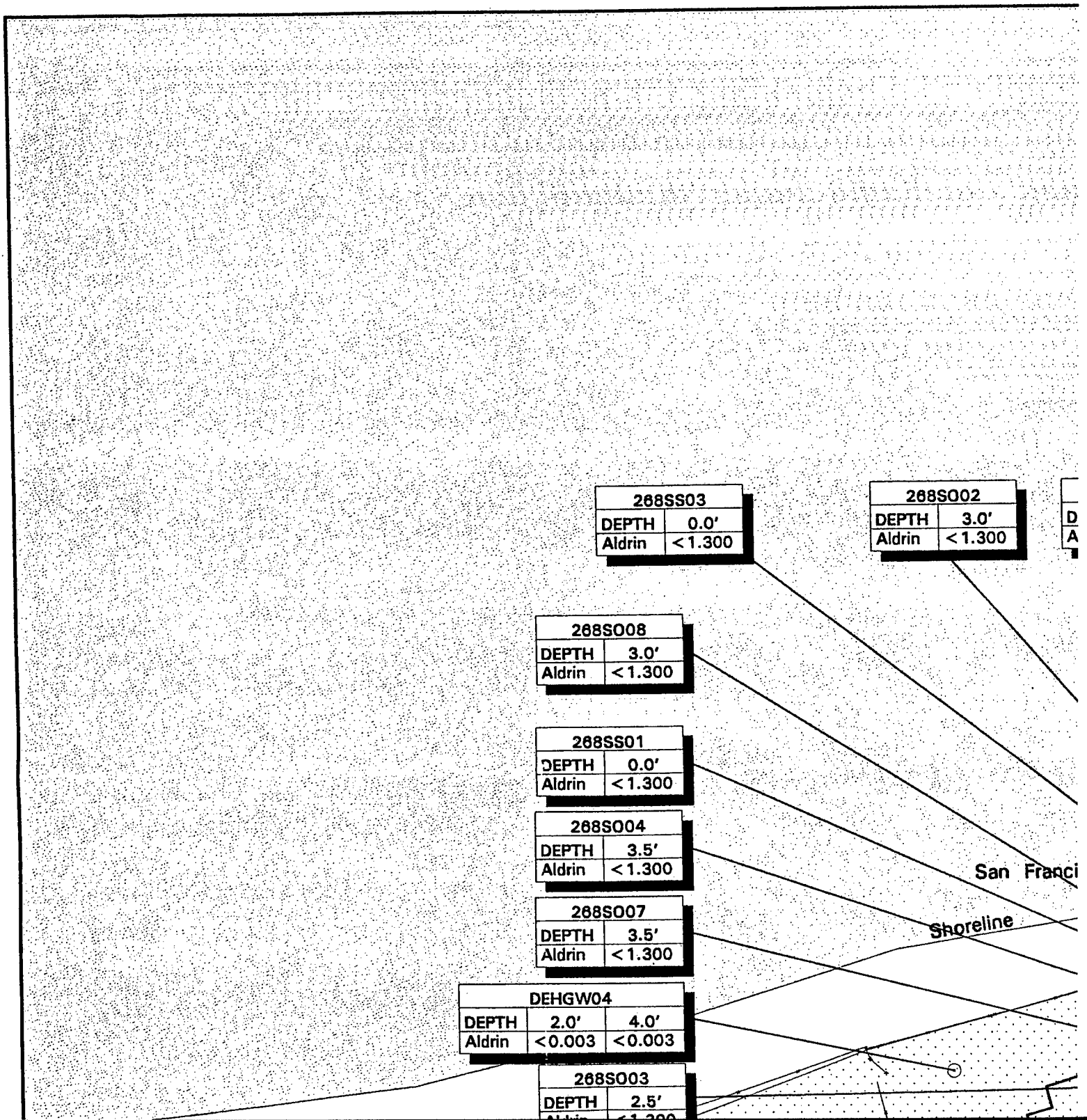
DAMES & MOORE

DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA CONCENTRATIONS OF ZINC IN SOIL

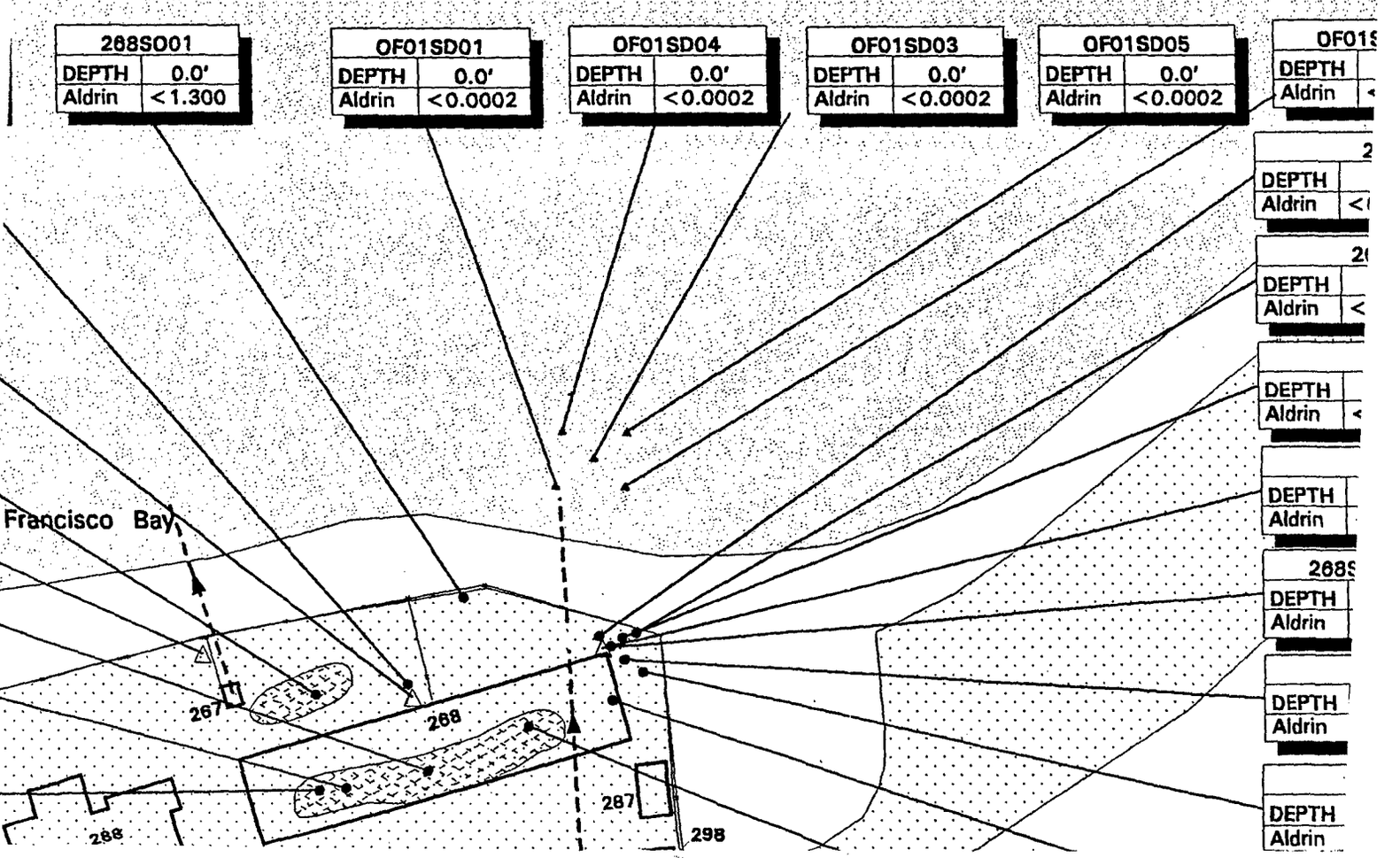
PSF26315

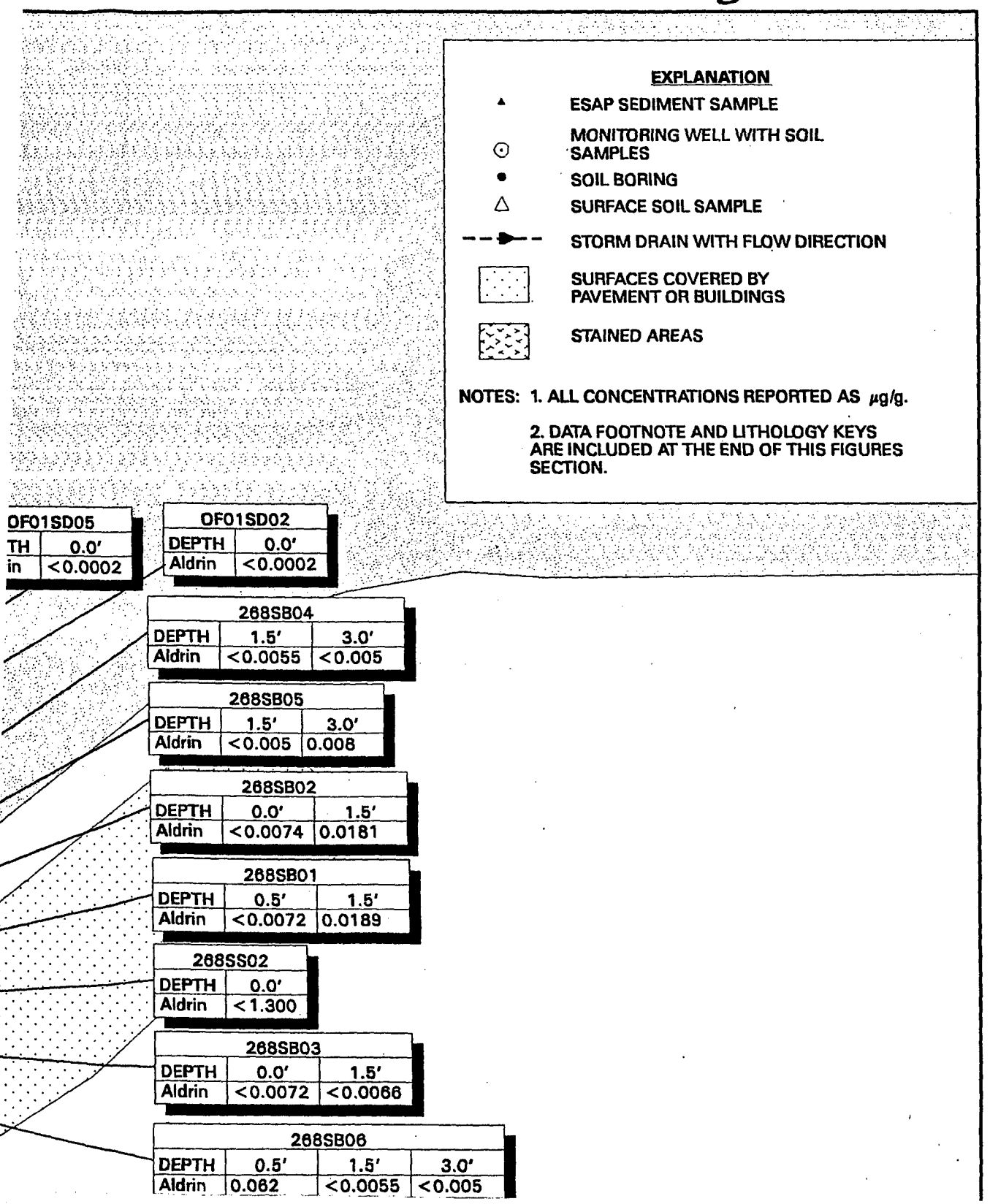
Date: January 1997

Figure 7.5-16


268SS03
DEPTH 0.0'
Aldrin <1.300
268SO02
DEPTH 3.0'
Aldrin <1.300
268SO08
DEPTH 3.0'
Aldrin <1.300
268SS01
DEPTH 0.0'
Aldrin <1.300
268SO04
DEPTH 3.5'
Aldrin <1.300
268SO07
DEPTH 3.5'
Aldrin <1.300
DEHGW04
DEPTH 2.0' 4.0'
Aldrin <0.003 <0.003
268SO03
DEPTH 2.5'
San Franci
Shoreline

2


268SO01
DEPTH 0.0'
Aldrin <1.300
OF01SD01
DEPTH 0.0'
Aldrin <0.0002
OF01SD04
DEPTH 0.0'
Aldrin <0.0002
OF01SD03
DEPTH 0.0'
Aldrin <0.0002
OF01SD05
DEPTH 0.0'
Aldrin <0.0002
Francisco Bay
267
268
287
298
288


EXPLANATION
ESAP SEDIMENT SAMPLE
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING
SURFACE SOIL SAMPLE
STORM DRAIN WITH FLOW DIRECTION
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
OF01SD05
TH 0.0'
in <0.0002
OF01SD02
DEPTH 0.0'
Aldrin <0.0002
268SB04
DEPTH 1.5' 3.0'
Aldrin <0.0055 <0.005
268SB05
DEPTH 1.5' 3.0'
Aldrin <0.005 0.008
268SB02
DEPTH 0.0' 1.5'
Aldrin <0.0074 0.0181
268SB01
DEPTH 0.5' 1.5'
Aldrin <0.0072 0.0189
268SS02
DEPTH 0.0'
Aldrin <1.300
268SB03
DEPTH 0.0' 1.5'
Aldrin <0.0072 <0.0066
268SB06
DEPTH 0.5' 1.5' 3.0'
Aldrin 0.062 <0.0055 <0.005

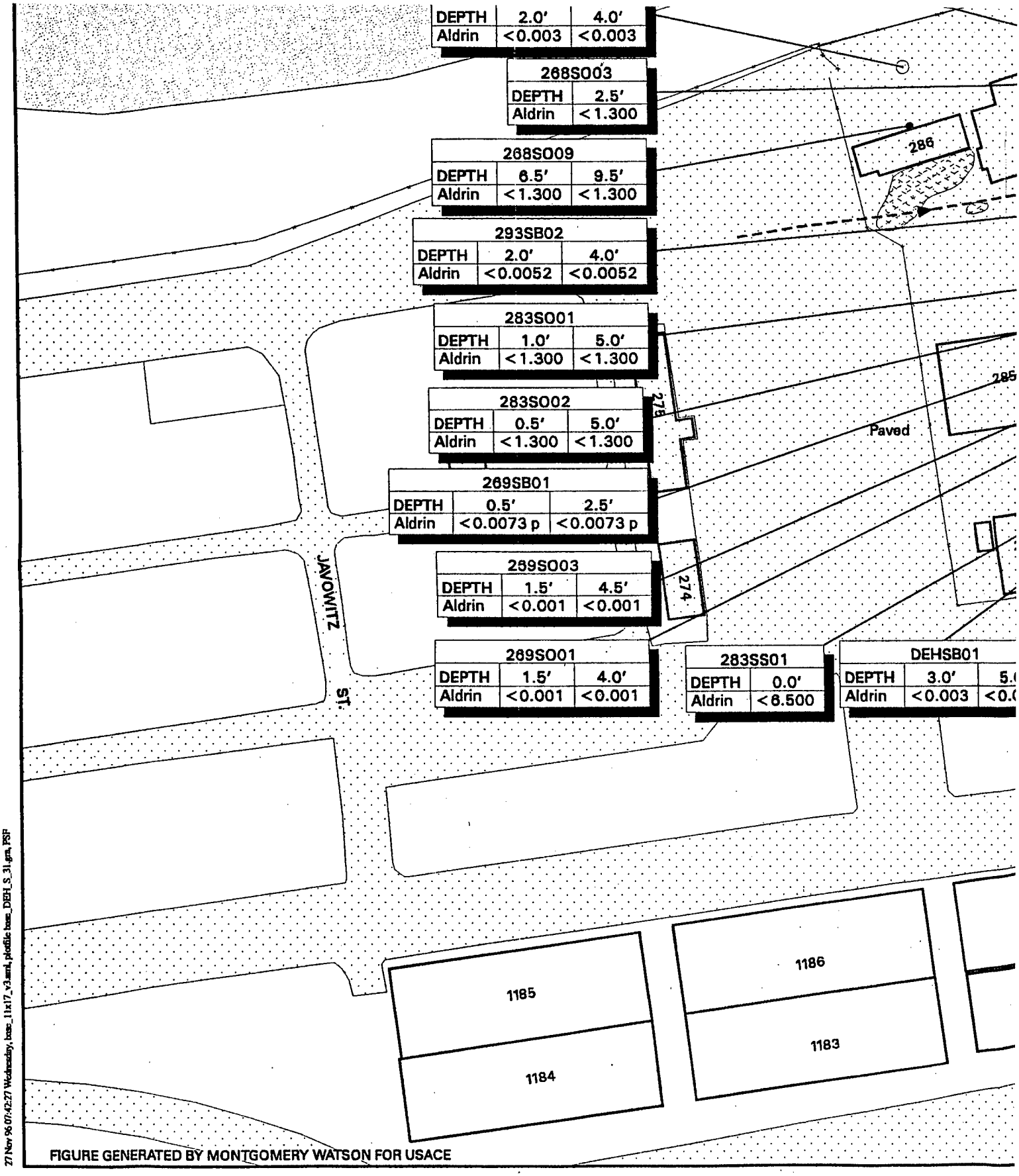
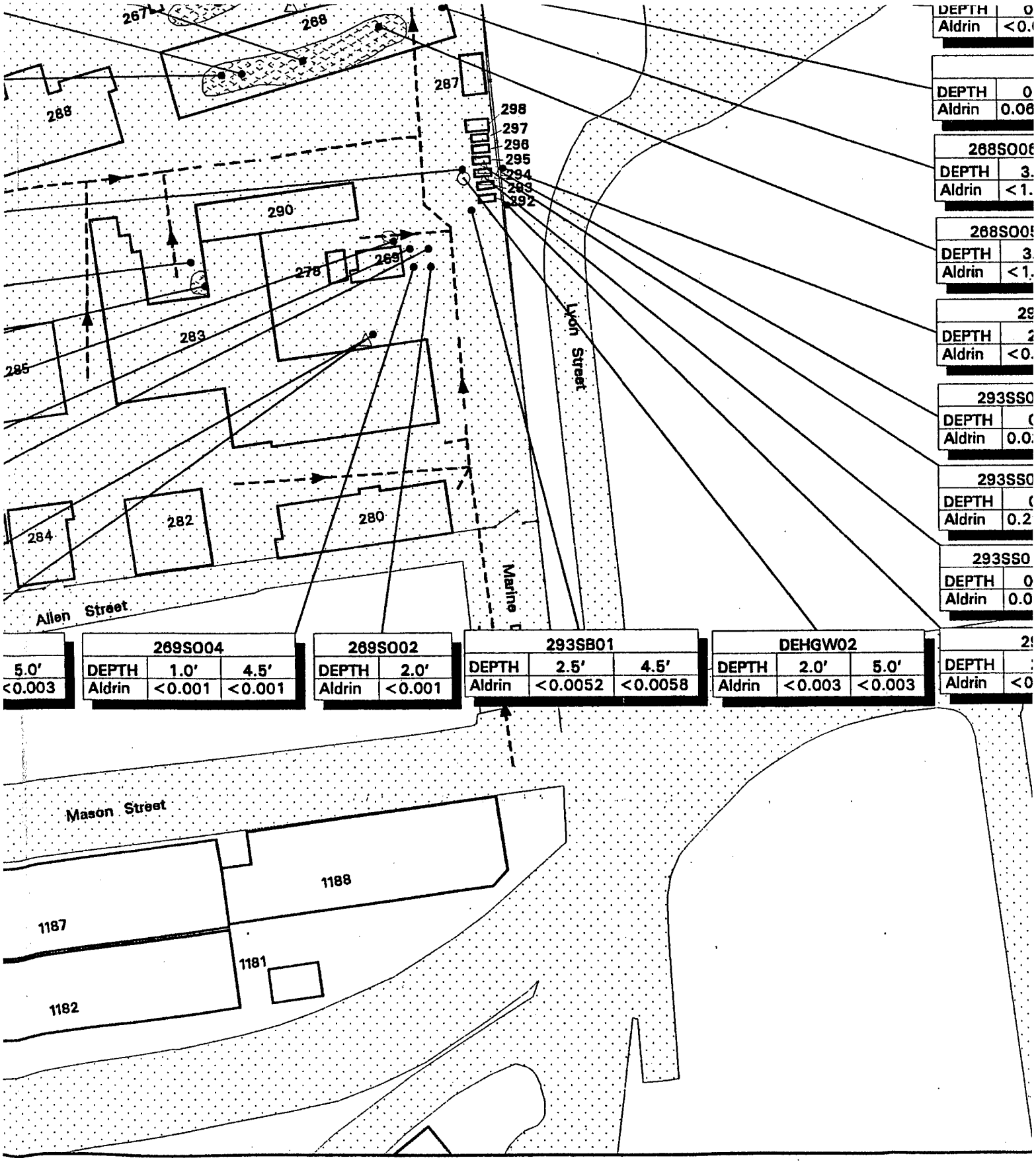
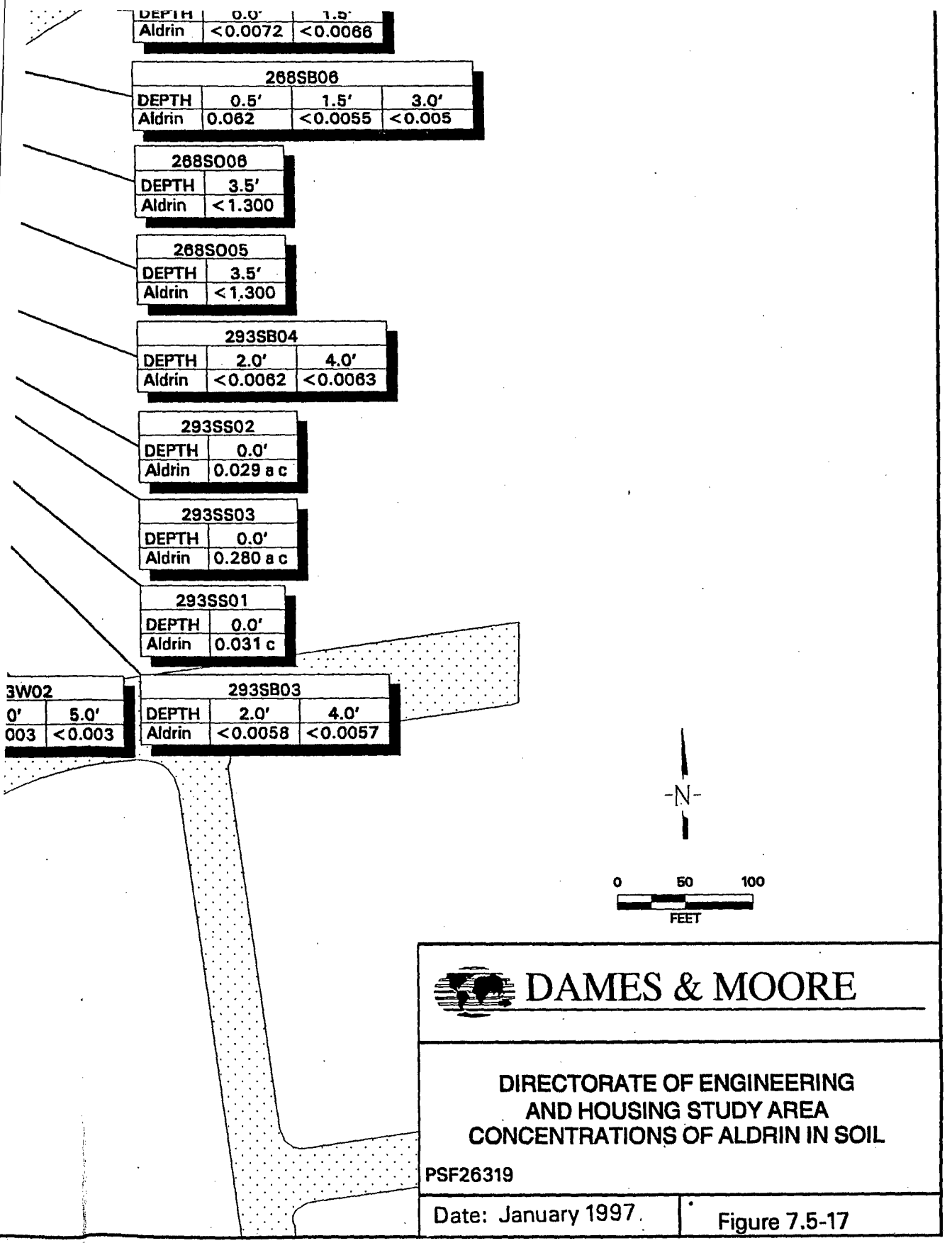


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Nov 96 07:42:27 Wednesday, base_11x17_v3.aml, plotfile base_DEH_S_31.grn, PSF


267
268
287
288
298
297
296
295
294
293
292
290
278
269
283
285
284
282
280
Lyon Street
Marine
Allen Street
Mason Street
1188
1187
1181
1182
DEPTH 0
Aldrin <0.
DEPTH 0
Aldrin 0.06
268SO06
DEPTH 3.
Aldrin <1.
268SO05
DEPTH 3.
Aldrin <1.
29
DEPTH 2
Aldrin <0.
293SS0
DEPTH
Aldrin 0.0
293SS0
DEPTH
Aldrin 0.2
293SS0
DEPTH 0
Aldrin 0.0
2
DEPTH
Aldrin <0
5.0'
<0.003
269SO04
DEPTH 1.0' 4.5'
Aldrin <0.001 <0.001
269SO02
DEPTH 2.0'
Aldrin <0.001
293SB01
DEPTH 2.5' 4.5'
Aldrin <0.0052 <0.0058
DEHGW02
DEPTH 2.0' 5.0'
Aldrin <0.003 <0.003



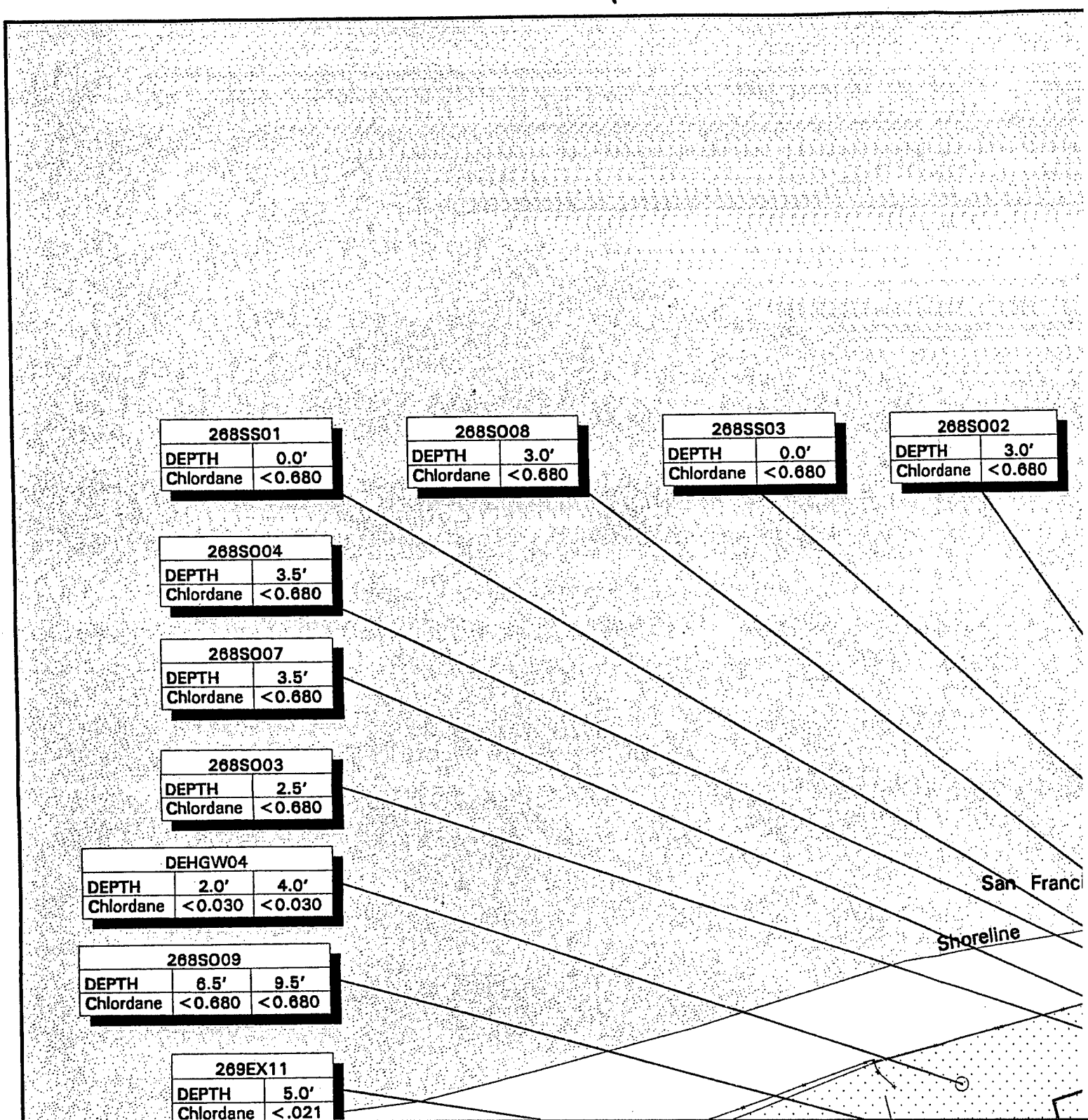
DAMES & MOORE

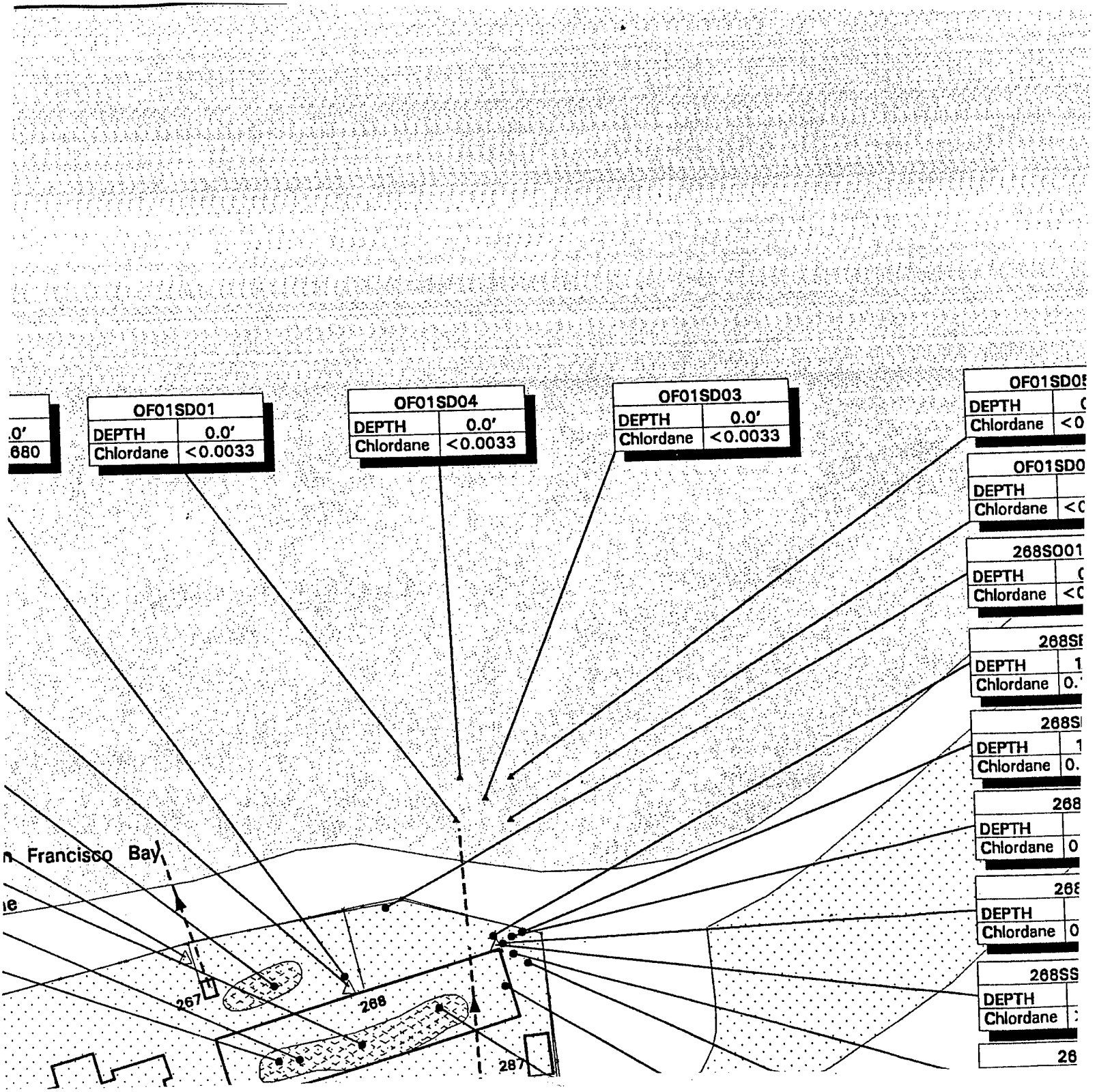
DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ALDRIN IN SOIL

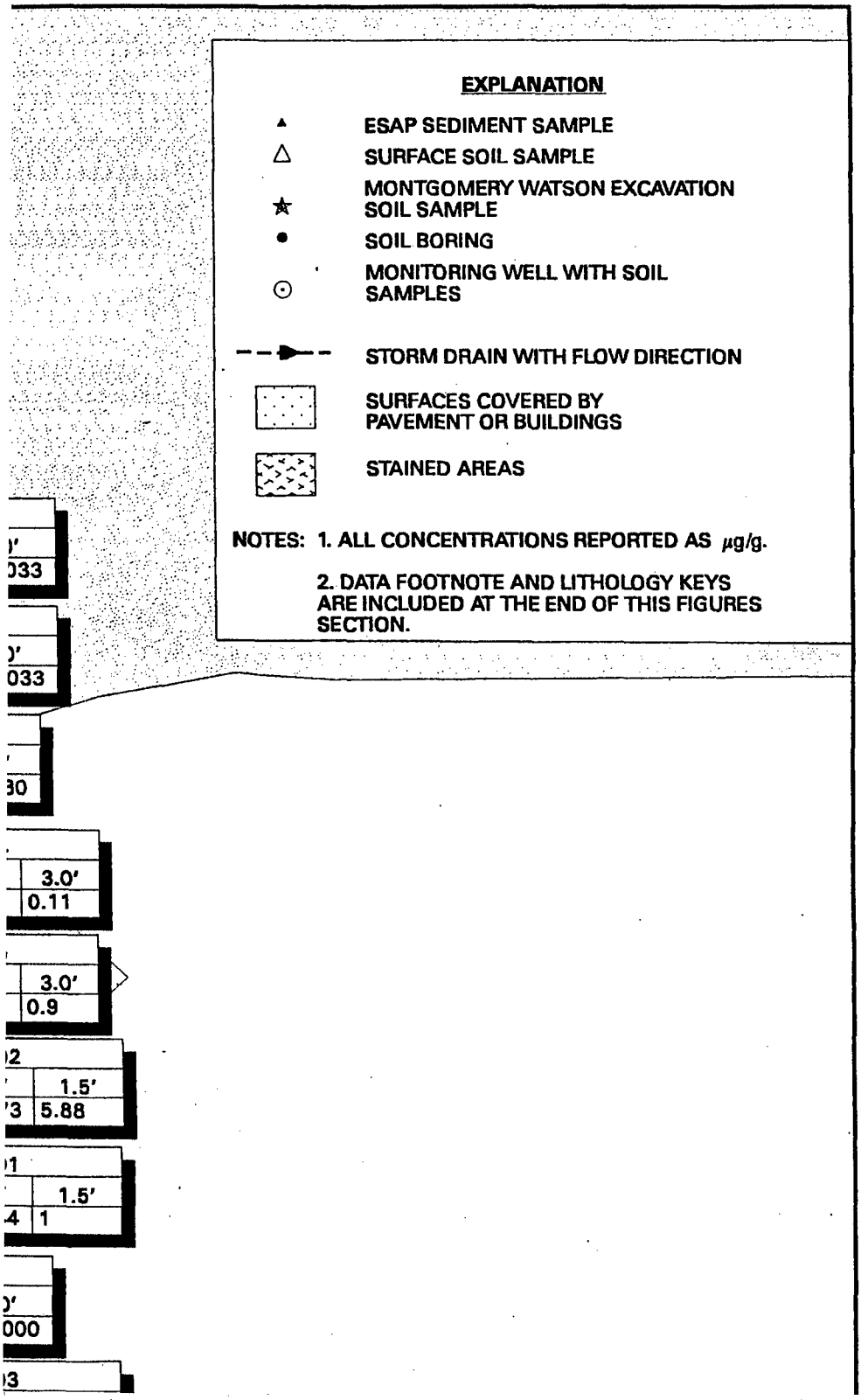
PSF26319

Date: January 1997

Figure 7.5-17


268SS01
DEPTH 0.0′
Chlordane <0.680
268SO08
DEPTH 3.0′
Chlordane <0.680
268SS03
DEPTH 0.0′
Chlordane <0.680
268SO02
DEPTH 3.0′
Chlordane <0.680
268SO04
DEPTH 3.5′
Chlordane <0.680
268SO07
DEPTH 3.5′
Chlordane <0.680
268SO03
DEPTH 2.5′
Chlordane <0.680
DEHGW04
DEPTH 2.0′ 4.0′
Chlordane <0.030 <0.030
268SO09
DEPTH 6.5′ 9.5′
Chlordane <0.680 <0.680
269EX11
DEPTH 5.0′
Chlordane <.021
San Franci
Shoreline


OF01SD01
DEPTH 0.0'
Chlordane <0.0033
OF01SD04
DEPTH 0.0'
Chlordane <0.0033
OF01SD03
DEPTH 0.0'
Chlordane <0.0033
OF01SD05
DEPTH
Chlordane <0
OF01SD0
DEPTH
Chlordane <0
268SO01
DEPTH
Chlordane <0
268SI
DEPTH 1
Chlordane 0.
268S
DEPTH 1
Chlordane 0.
268
DEPTH
Chlordane 0
268
DEPTH
Chlordane 0
268SS
DEPTH
Chlordane
26
n Francisco Bay
ıe
267
268
287


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
MONTGOMERY WATSON EXCAVATION SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SOIL SAMPLES
STORM DRAIN WITH FLOW DIRECTION
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
033
033
30
3.0'
0.11
3.0'
0.9
2
1.5'
3 5.88
1
1.5'
4 1
000
3

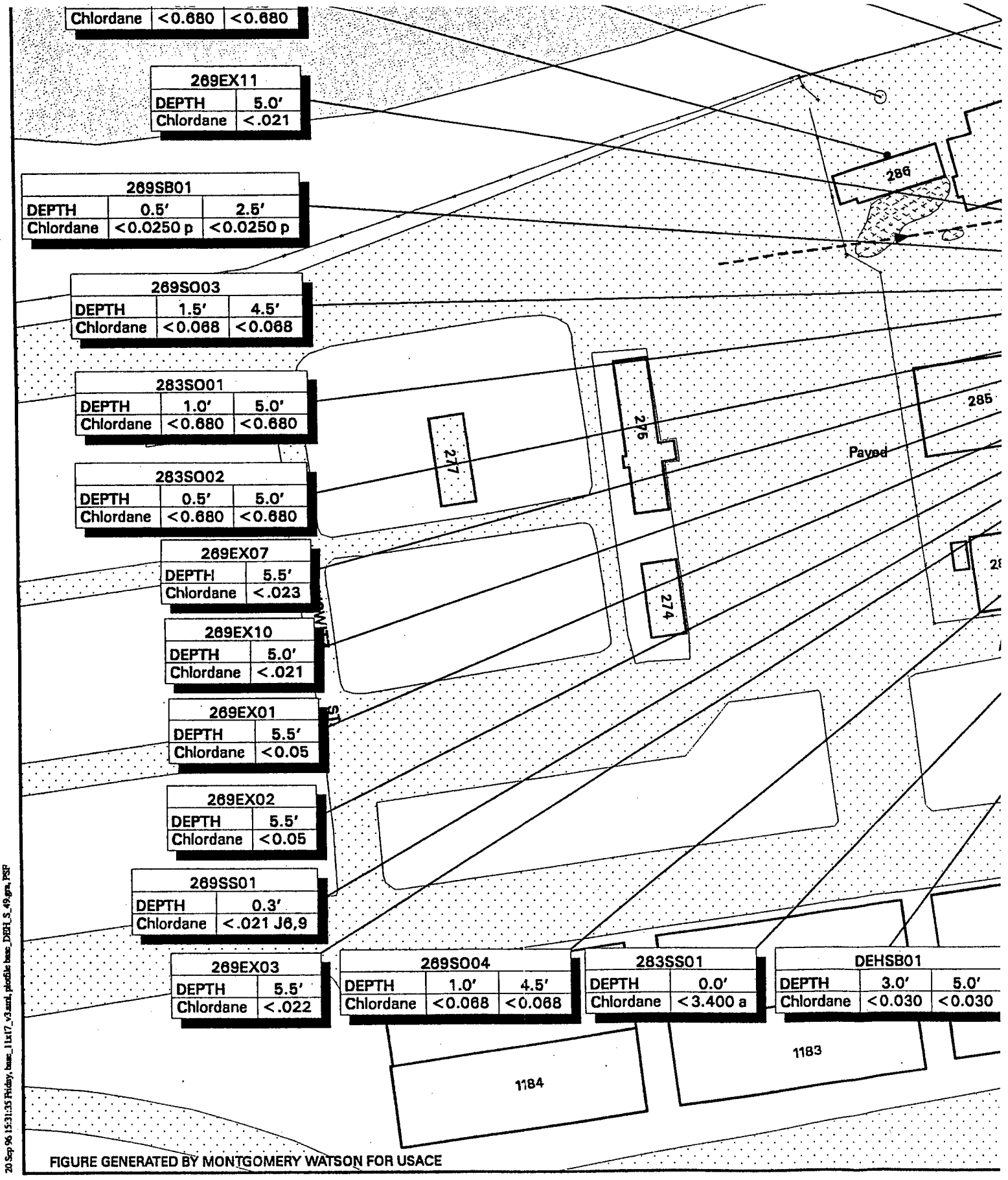
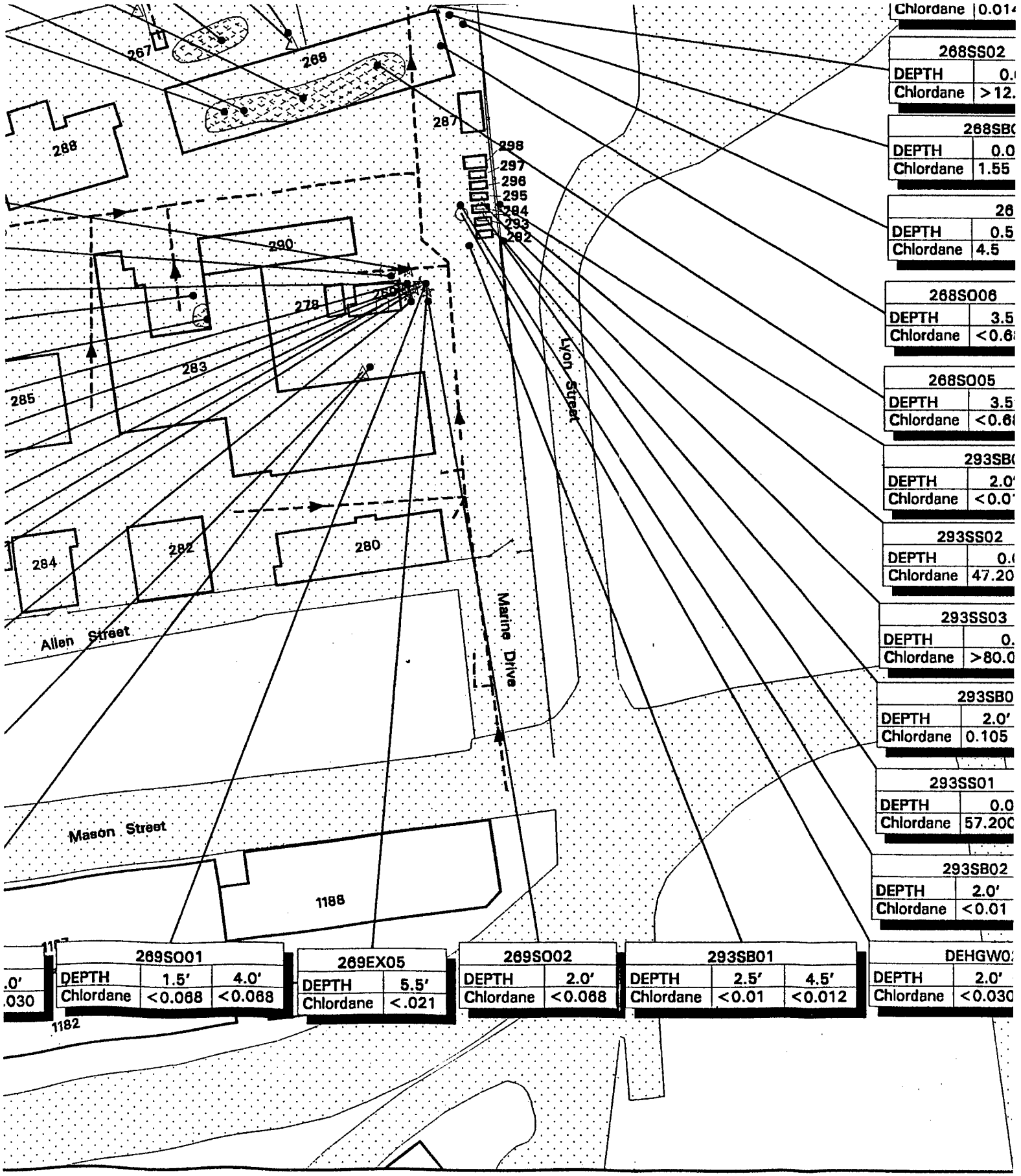
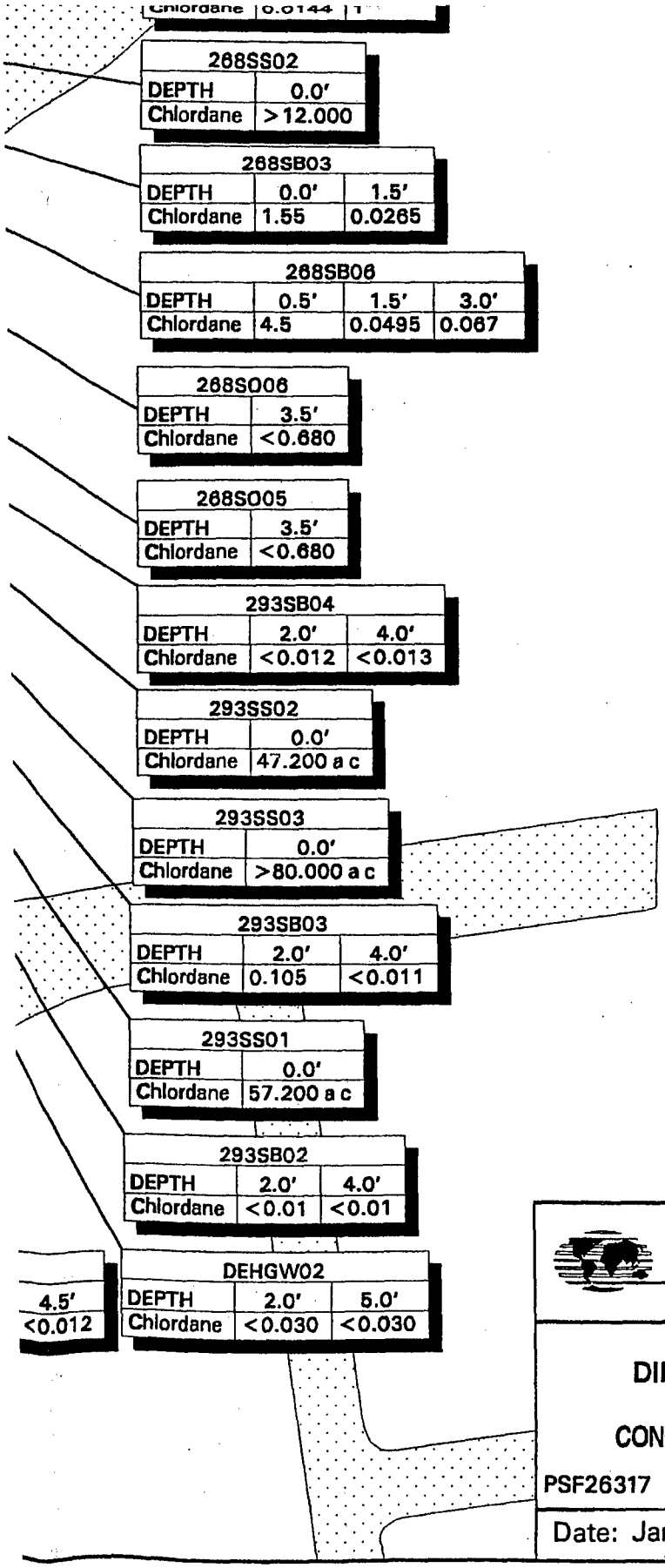


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

20 Sep 96 15:31:35 Friday, base_11x17_v3.smd, plotfile base_DEH_S_49.gra, PSF


Chlordane | 0.014
268SS02
DEPTH | 0.
Chlordane | >12.
268SB0
DEPTH | 0.0
Chlordane | 1.55
26
DEPTH | 0.5
Chlordane | 4.5
268SO06
DEPTH | 3.5
Chlordane | <0.6
268SO05
DEPTH | 3.5
Chlordane | <0.6
293SB0
DEPTH | 2.0
Chlordane | <0.0
293SS02
DEPTH | 0.
Chlordane | 47.20
293SS03
DEPTH | 0.
Chlordane | >80.0
293SB0
DEPTH | 2.0'
Chlordane | 0.105
293SS01
DEPTH | 0.0
Chlordane | 57.200
293SB02
DEPTH | 2.0'
Chlordane | <0.01
269SO01
DEPTH | 1.5' | 4.0'
Chlordane | <0.068 | <0.068
269EX05
DEPTH | 5.5'
Chlordane | <.021
269SO02
DEPTH | 2.0'
Chlordane | <0.068
293SB01
DEPTH | 2.5' | 4.5'
Chlordane | <0.01 | <0.012
DEHGW0
DEPTH | 2.0'
Chlordane | <0.030
.0'
.030
267
268
287
288
298
297
296
295
294
293
292
290
278
283
285
284
282
280
Allen Street
Lyon Street
Marine Drive
Mason Street
1188
1182



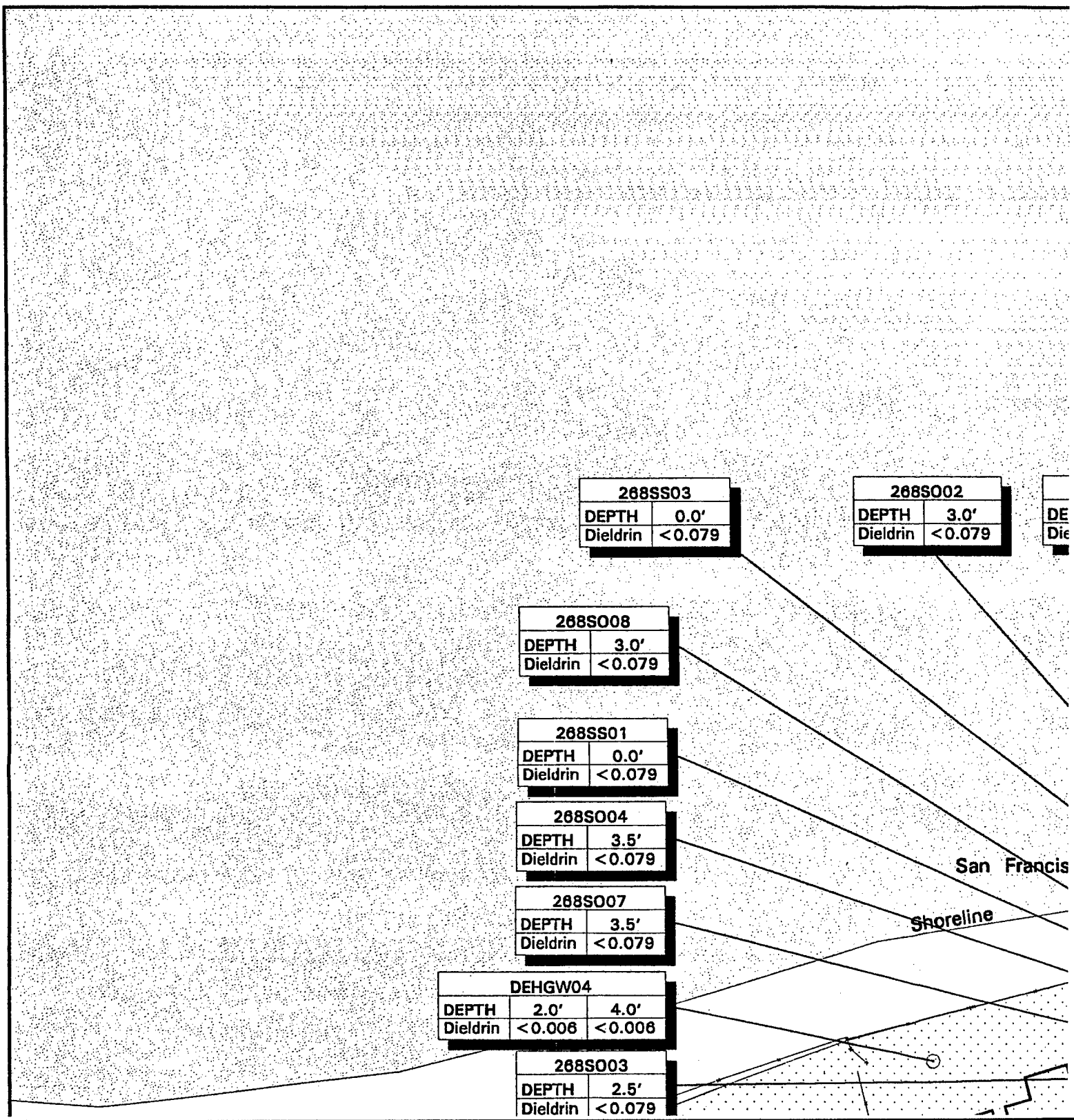
DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CHLORDANE IN SOIL

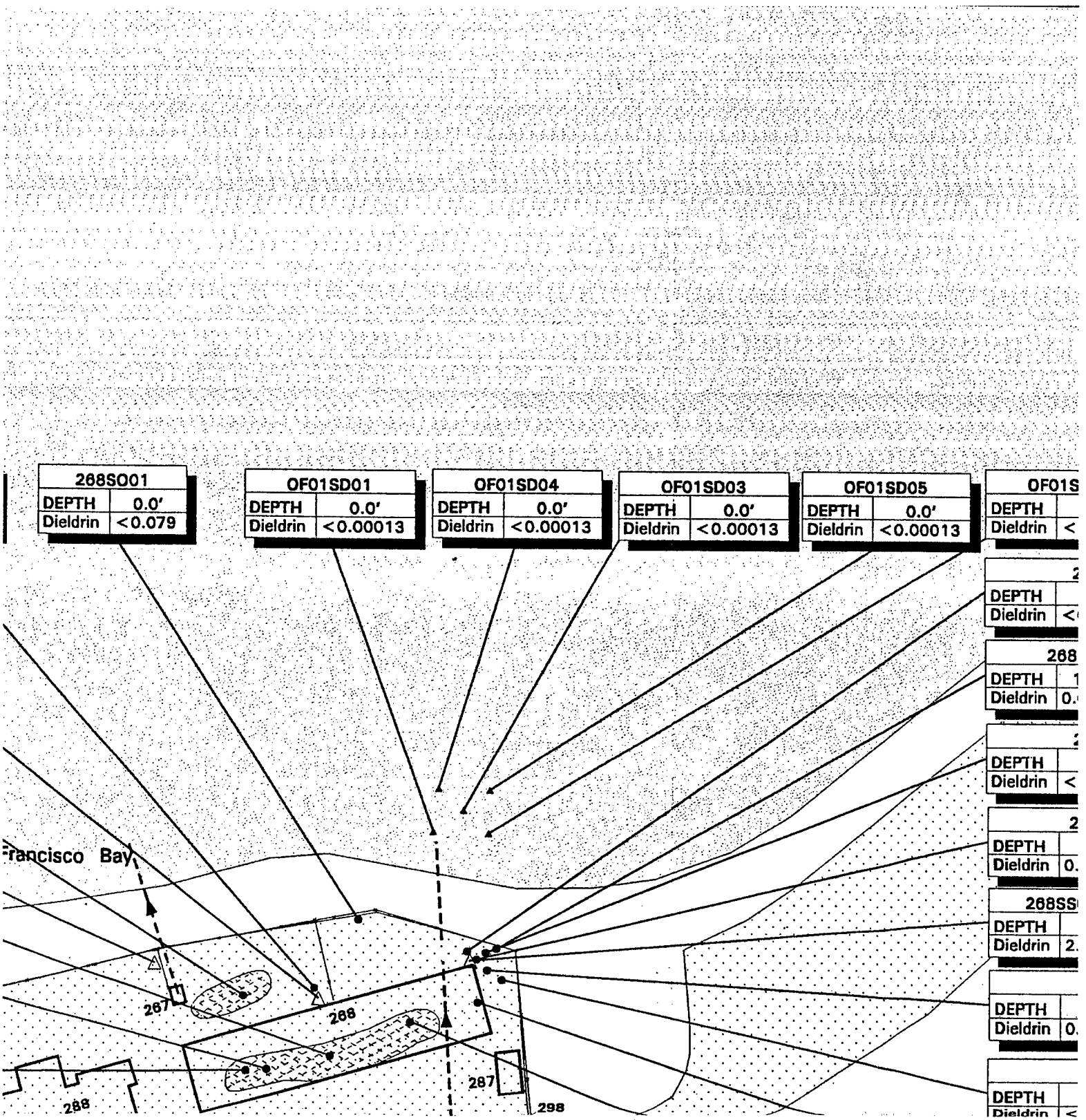
PSF26317

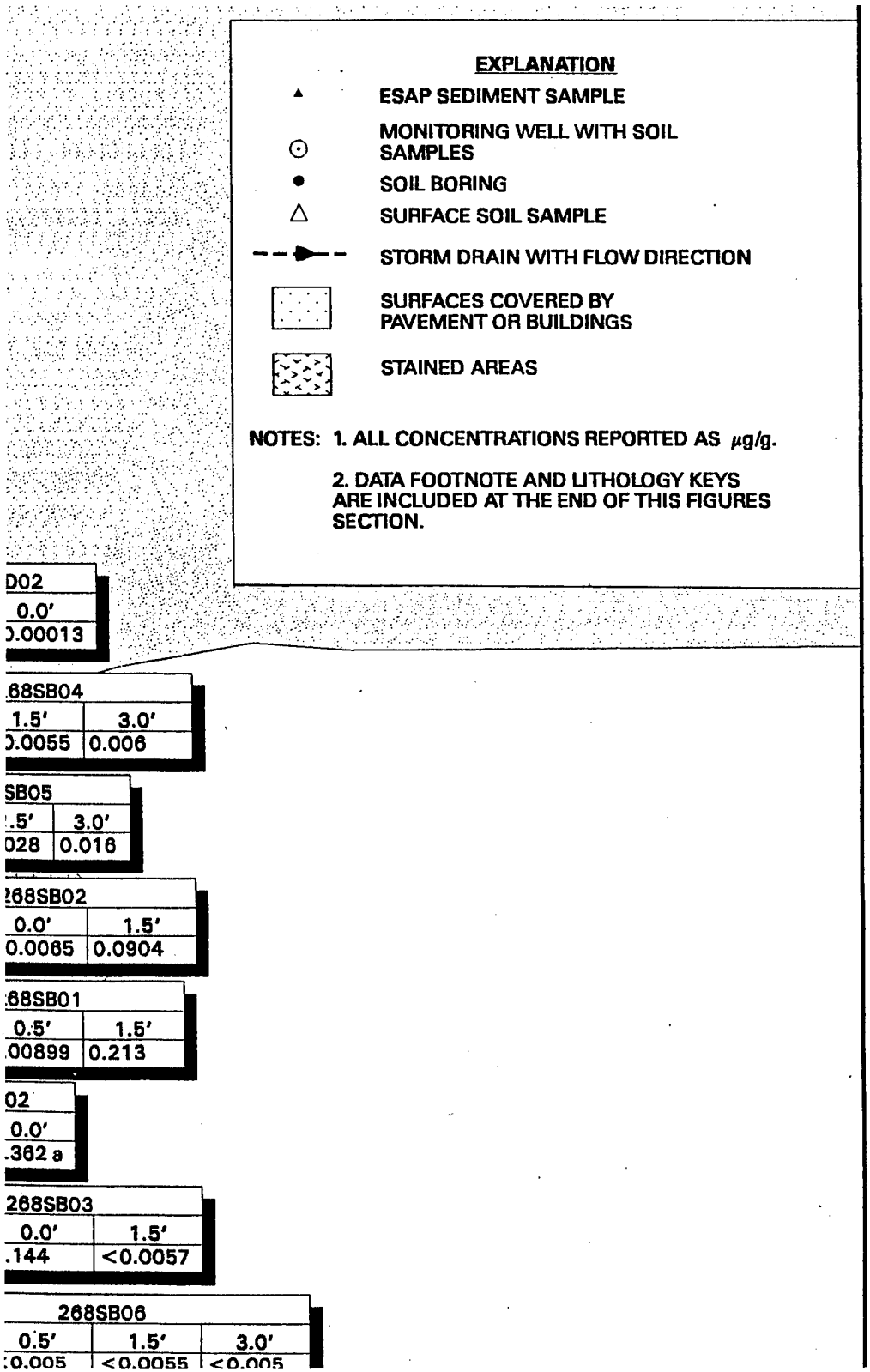
Date: January 1997

Figure 7.5-18


268SS03
DEPTH 0.0'
Dieldrin <0.079
268SO02
DEPTH 3.0'
Dieldrin <0.079
268SO08
DEPTH 3.0'
Dieldrin <0.079
268SS01
DEPTH 0.0'
Dieldrin <0.079
268SO04
DEPTH 3.5'
Dieldrin <0.079
San Francis
268SO07
DEPTH 3.5'
Dieldrin <0.079
Shoreline
DEHGW04
DEPTH 2.0' 4.0'
Dieldrin <0.006 <0.006
268SO03
DEPTH 2.5'
Dieldrin <0.079

2


268SO01
DEPTH 0.0'
Dieldrin <0.079
OF01SD01
DEPTH 0.0'
Dieldrin <0.00013
OF01SD04
DEPTH 0.0'
Dieldrin <0.00013
OF01SD03
DEPTH 0.0'
Dieldrin <0.00013
OF01SD05
DEPTH 0.0'
Dieldrin <0.00013
Francisco Bay
267
268
287
288
298



D02
0.0′
0.00013

68SB04	
1.5′	3.0′
0.0055	0.006

SB05	
.5′	3.0′
028	0.016

68SB02	
0.0′	1.5′
0.0065	0.0904

68SB01	
0.5′	1.5′
.00899	0.213

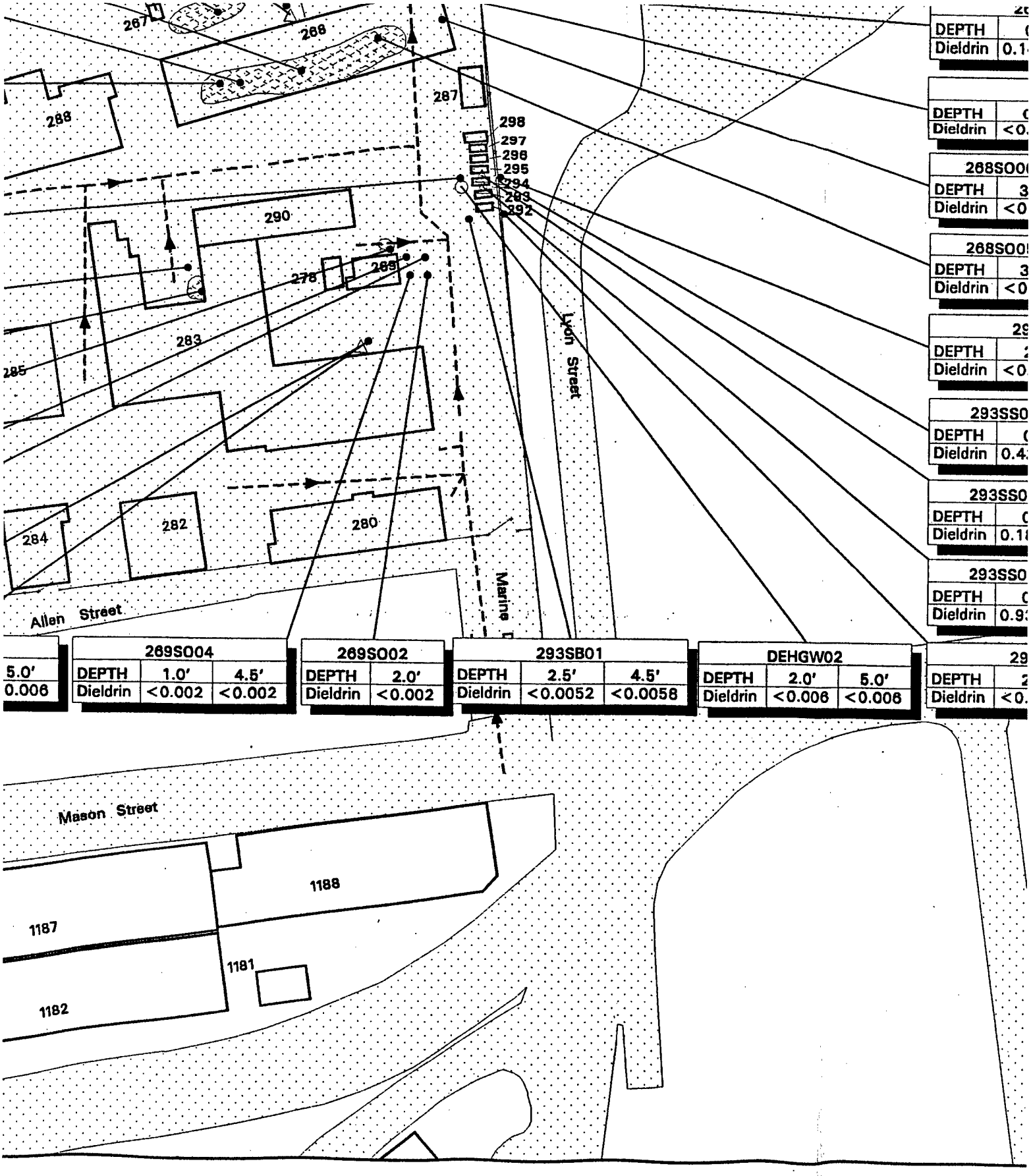
02
0.0′
.362 a

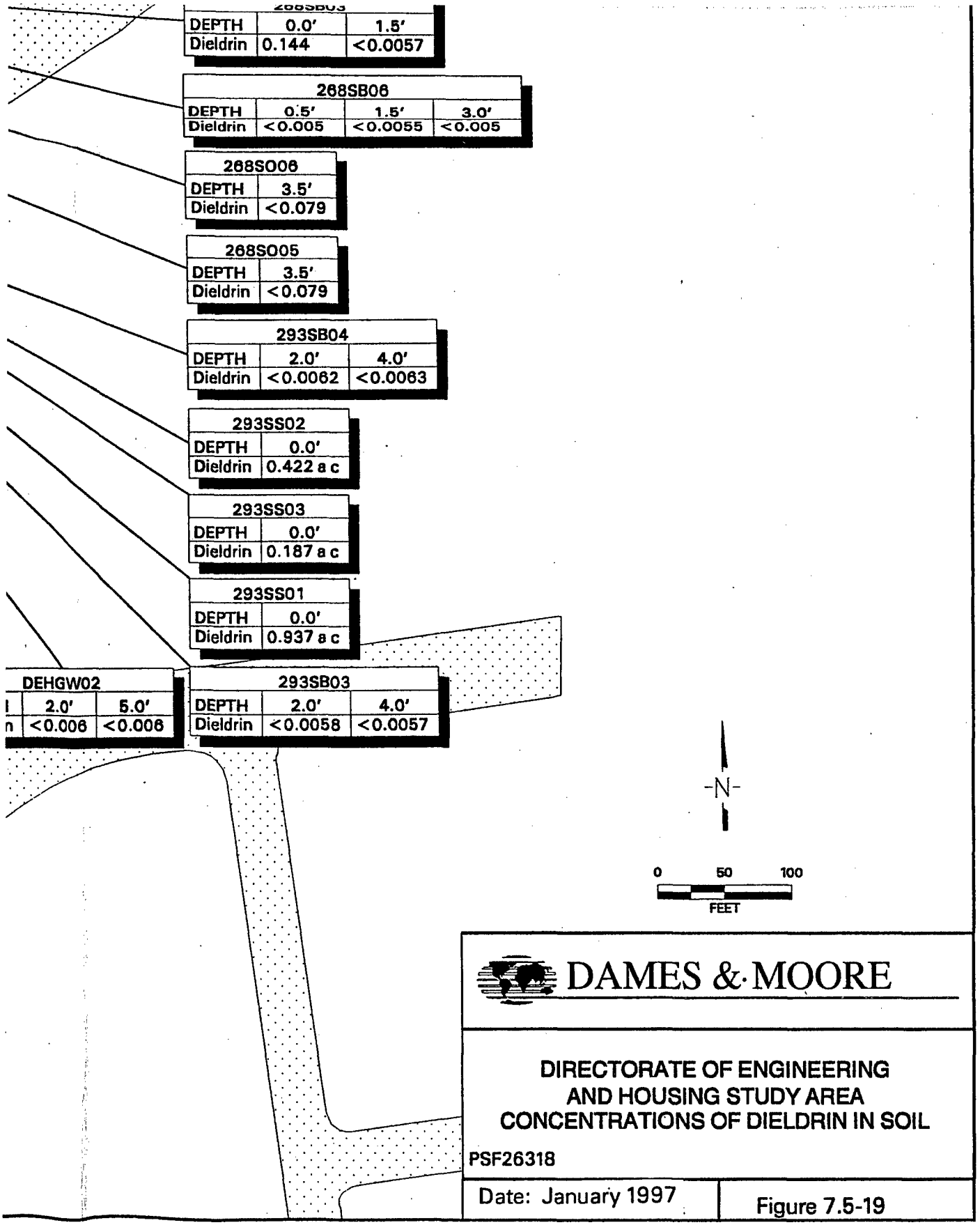
268SB03	
0.0′	1.5′
.144	<0.0057

268SB06		
0.5′	1.5′	3.0′
0.005	<0.0055	<0.005

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

19 Sep 96 16:20:19 Thursday, base_11x17_v3.mxd, plotfile base_DEH_S_38.grn, PSF


267
266
288
287
298
297
296
295
294
293
292
290
289
276
283
285
284
282
280
Lyon Street
Marine
Allen Street
Mason Street
1188
1187
1181
1182
DEPTH
Dieldrin
0.1
<0.
268SO0
3
268SO0
293SS0
0.4
293SS0
0.1
293SS0
0.9
29
2
269SO04
DEPTH 1.0' 4.5'
Dieldrin <0.002 <0.002
269SO02
DEPTH 2.0'
Dieldrin <0.002
293SB01
DEPTH 2.5' 4.5'
Dieldrin <0.0052 <0.0058
DEHGW02
DEPTH 2.0' 5.0'
Dieldrin <0.006 <0.006
5.0'
0.006



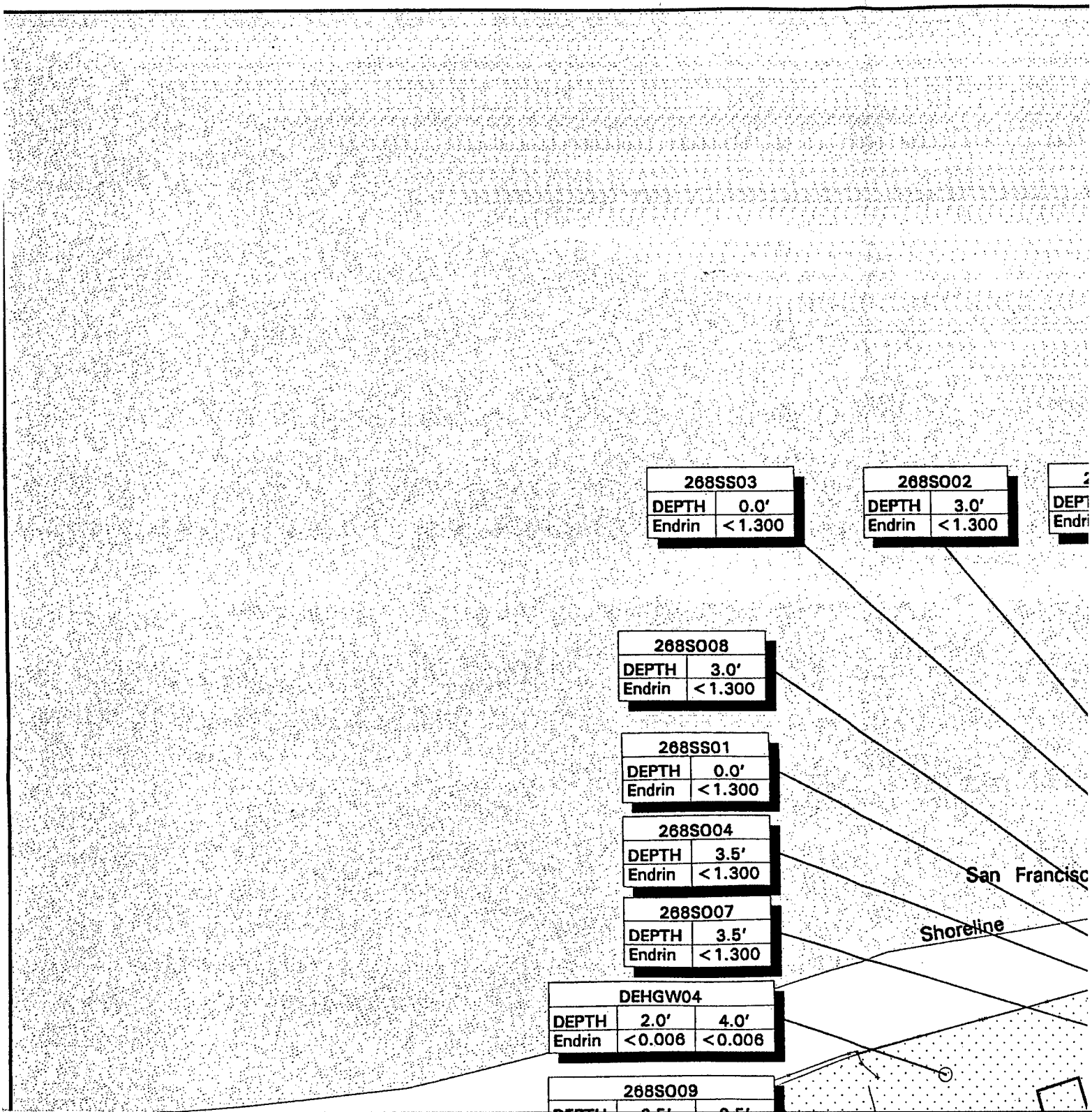
DAMES & MOORE

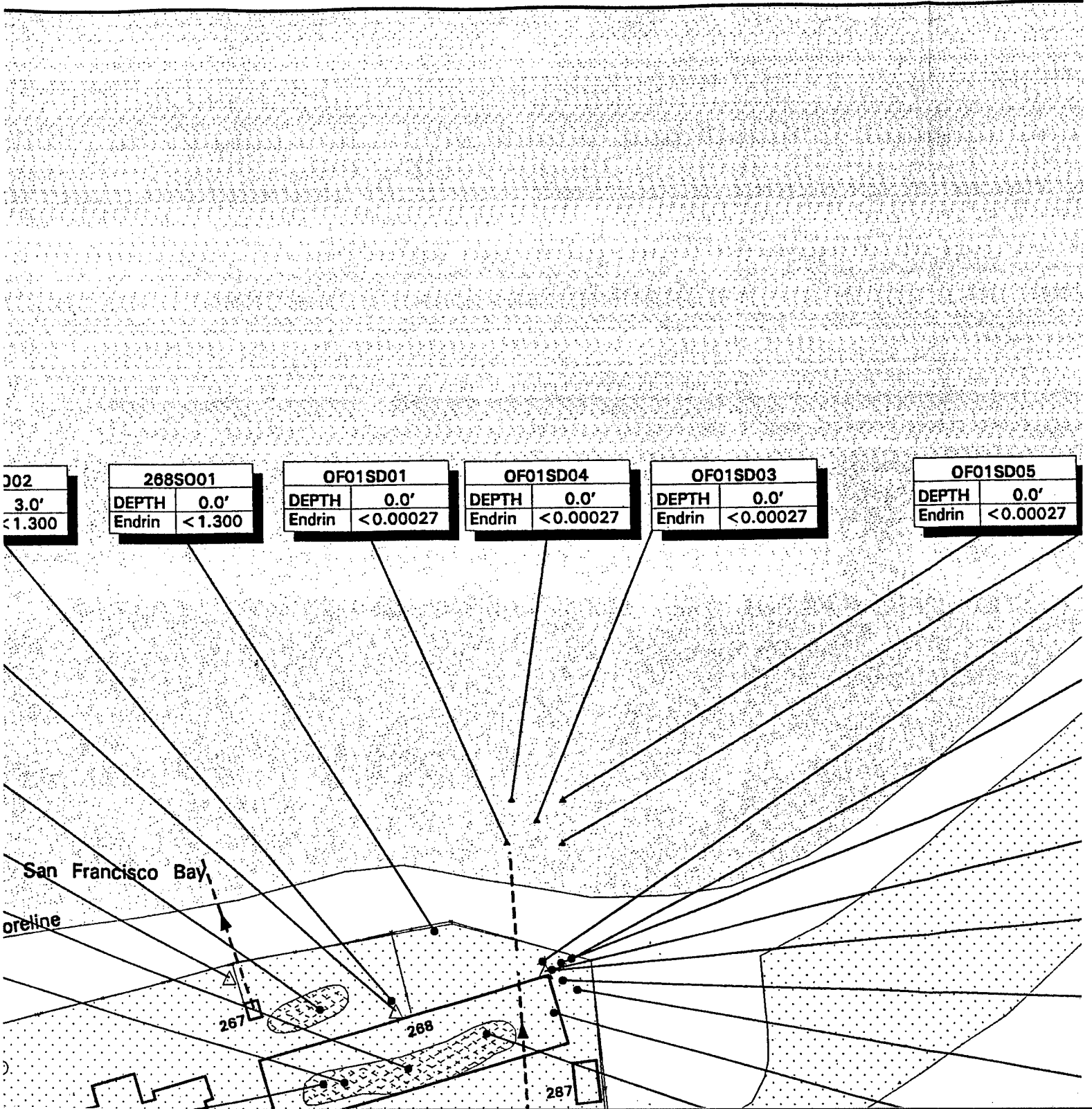
DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF DIELDRIN IN SOIL

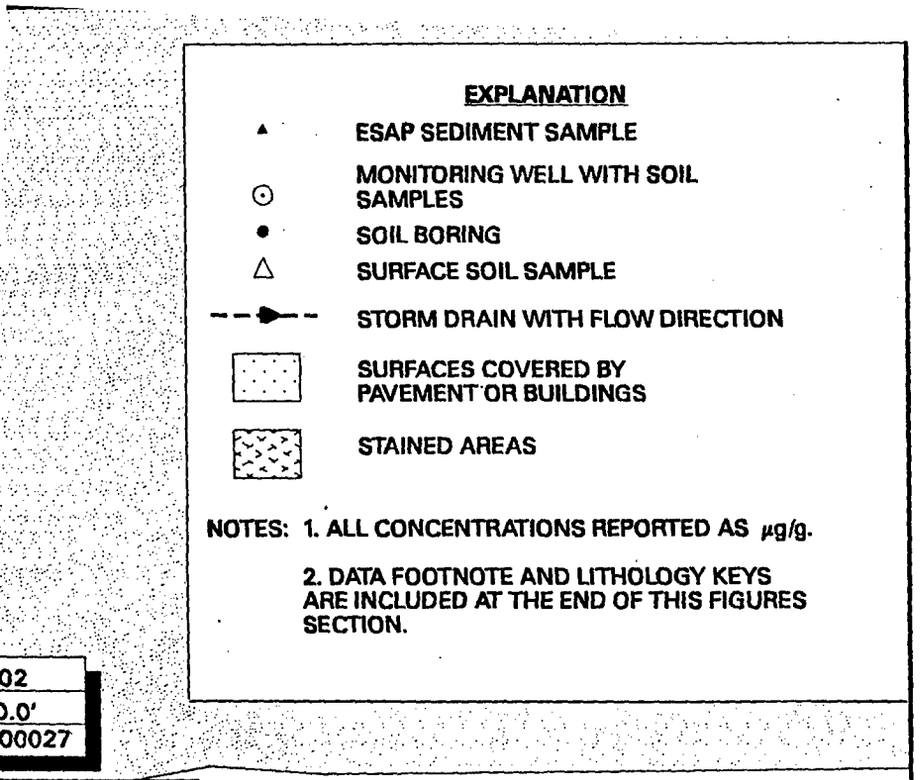
PSF26318

Date: January 1997

Figure 7.5-19


268SS03
DEPTH 0.0'
Endrin <1.300
268SO02
DEPTH 3.0'
Endrin <1.300
268SO08
DEPTH 3.0'
Endrin <1.300
268SS01
DEPTH 0.0'
Endrin <1.300
268SO04
DEPTH 3.5'
Endrin <1.300
268SO07
DEPTH 3.5'
Endrin <1.300
DEHGW04
DEPTH 2.0' 4.0'
Endrin <0.006 <0.006
268SO09
San Francisc
Shoreline


002
3.0'
< 1.300
268SO01
DEPTH 0.0'
Endrin < 1.300
OF01SD01
DEPTH 0.0'
Endrin < 0.00027
OF01SD04
DEPTH 0.0'
Endrin < 0.00027
OF01SD03
DEPTH 0.0'
Endrin < 0.00027
OF01SD05
DEPTH 0.0'
Endrin < 0.00027
San Francisco Bay
oreline
267
268
287



EXPLANATION

- ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

iD02
0.0'
0.00027

268SB04	
1.5'	3.0'
:0.0055	<0.005

268SB05	
1.5'	3.0'
<0.005	<0.005

268SB02	
0.0'	1.5'
<0.0065	<0.0062

268SB01	
0.5'	1.5'
<0.0063	0.00897

SS02
0.0'
<1.300

268SB03	
0.0'	1.5'
<0.0063	<0.0057

268SB06		
0.5'	1.5'	3.0'
<0.005	<0.0055	<0.005

4

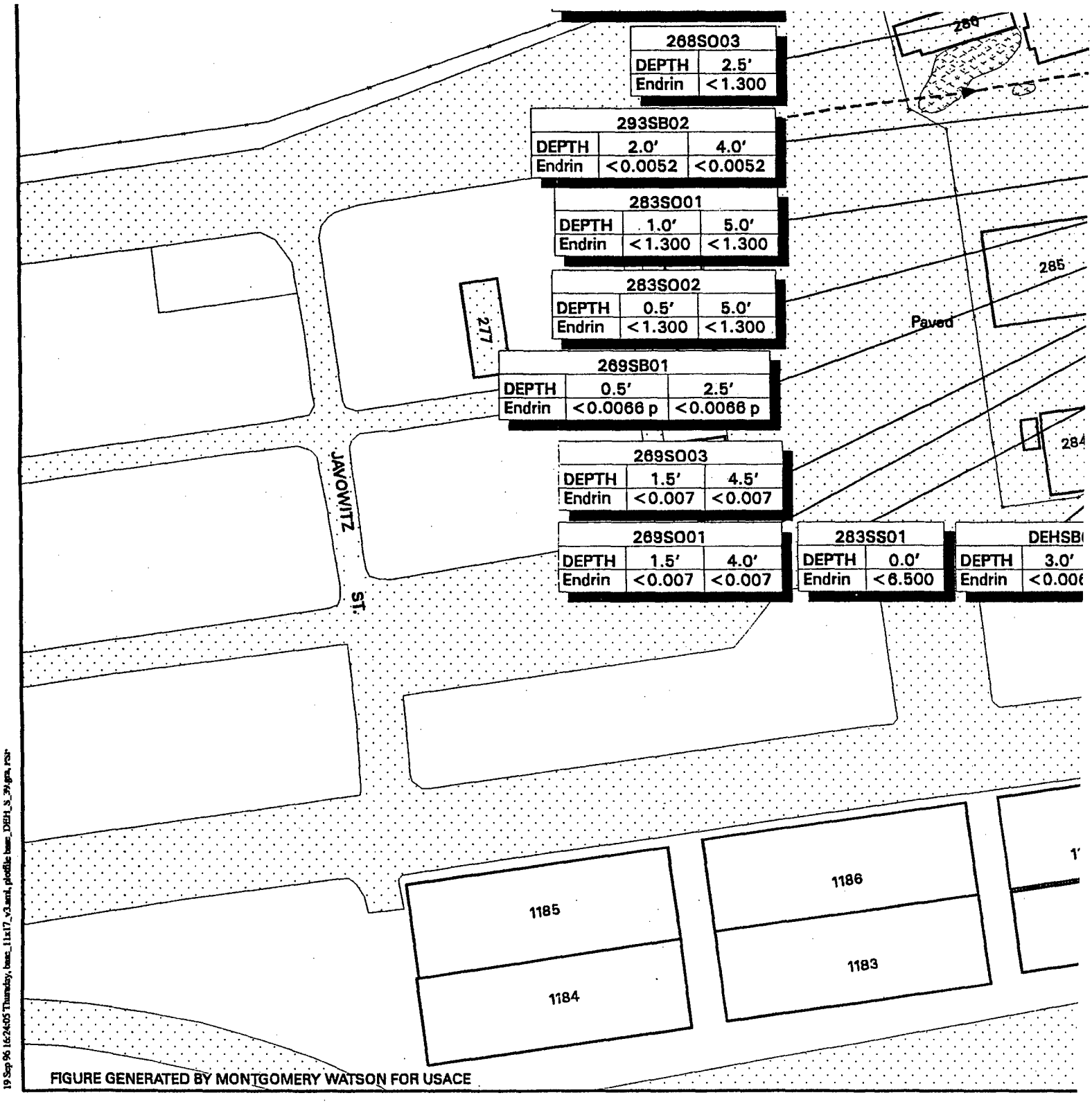
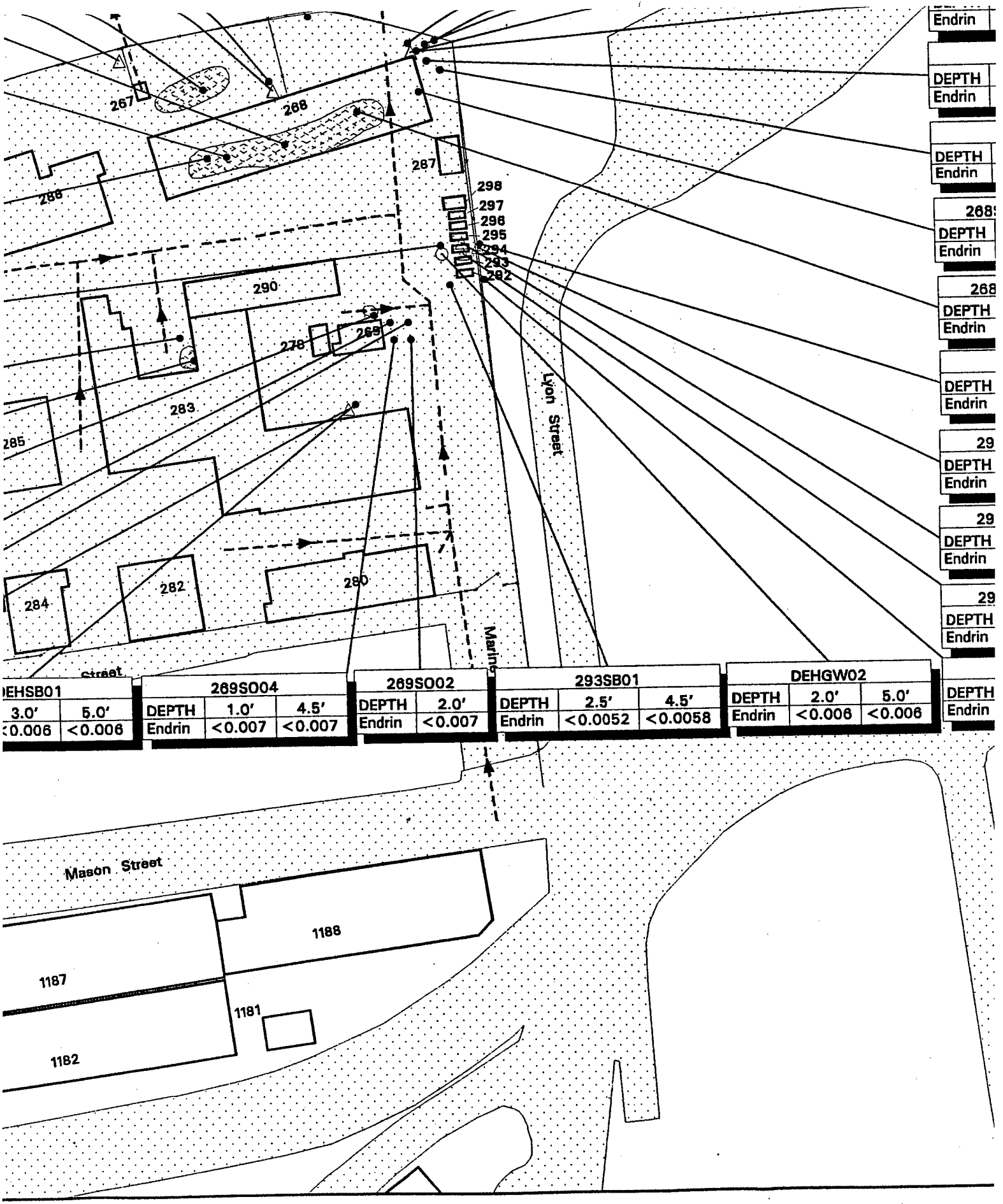


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

19 Sep 96 16:24:05 Thursday, base_11x17_v3.aml, plotfile base_DEH_S_39.gra, rSr



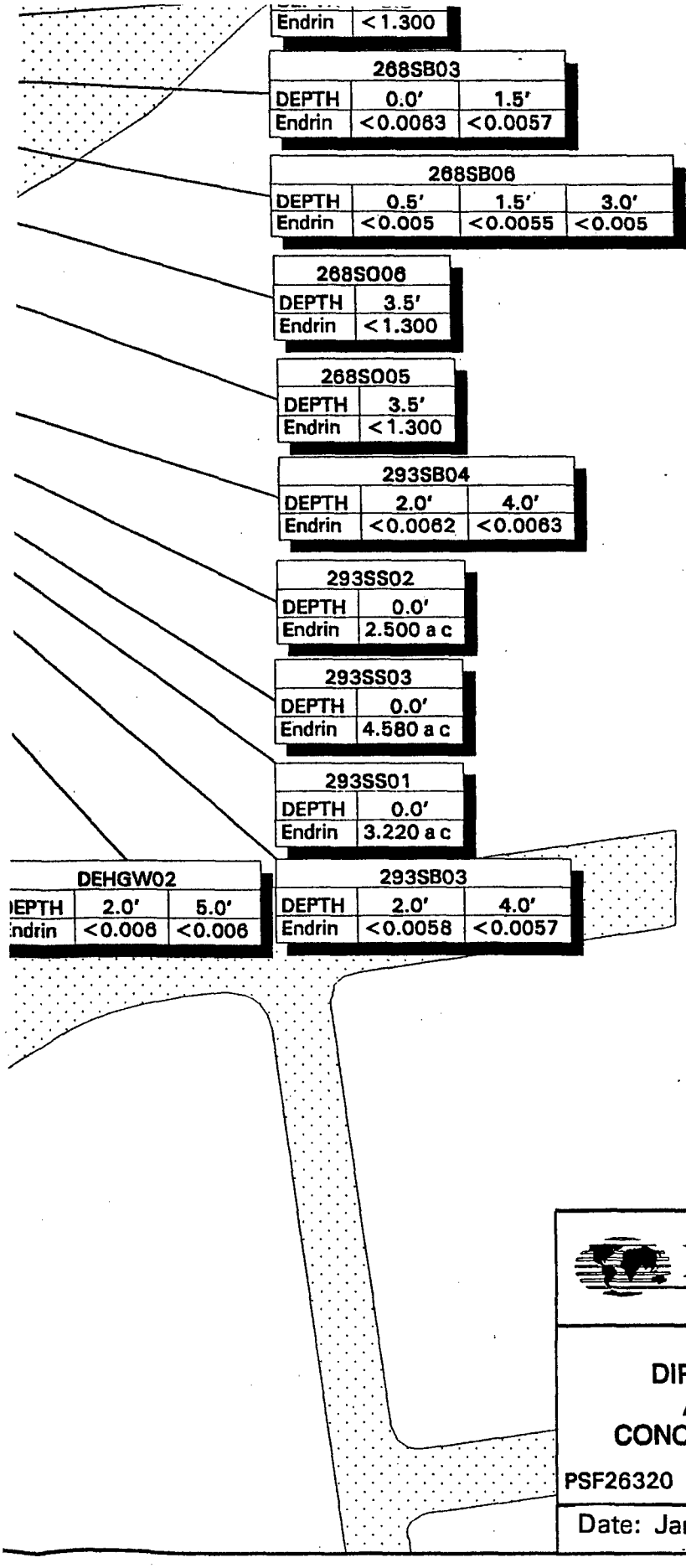
EHSB01	
3.0'	5.0'
<0.006	<0.006

269SO04		
DEPTH	1.0'	4.5'
Endrin	<0.007	<0.007

269SO02	
DEPTH	2.0'
Endrin	<0.007

293SB01		
DEPTH	2.5'	4.5'
Endrin	<0.0052	<0.0058

DEHGW02		
DEPTH	2.0'	5.0'
Endrin	<0.006	<0.006



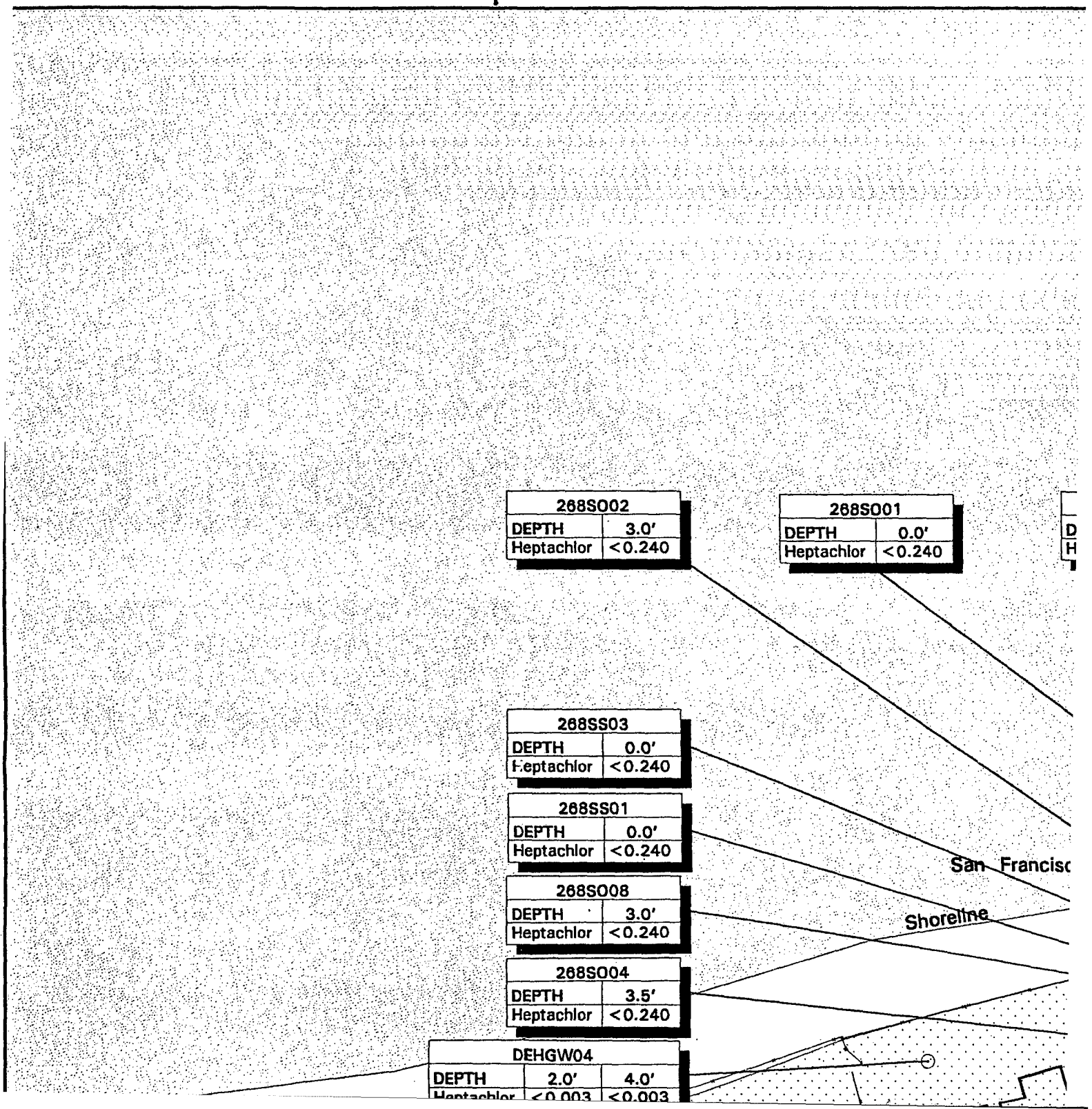
DAMES & MOORE

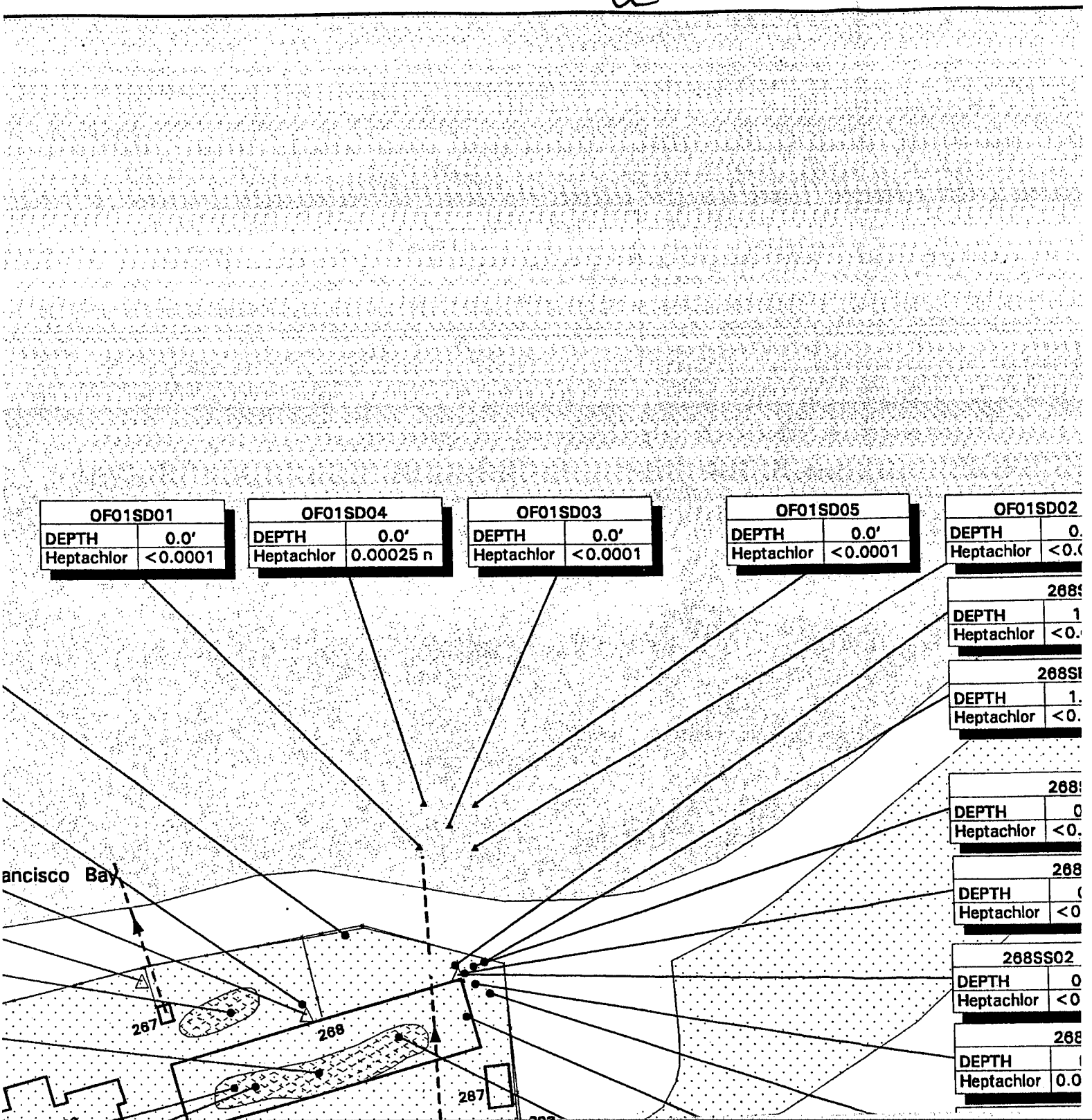
DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA CONCENTRATIONS OF ENDRIN IN SOIL

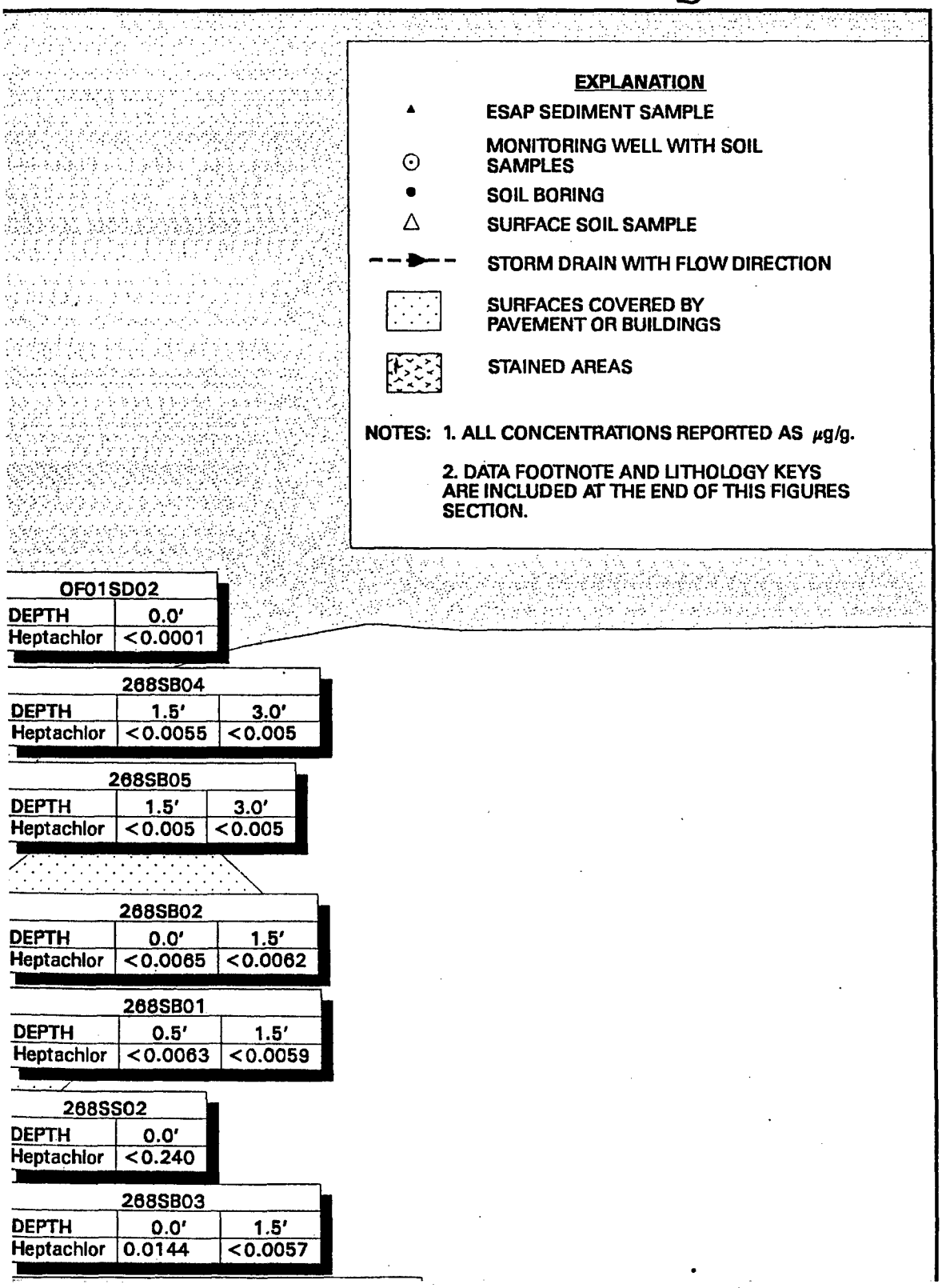
PSF26320

Date: January 1997

Figure 7.5-20


268SO02
DEPTH 3.0'
Heptachlor <0.240
268SO01
DEPTH 0.0'
Heptachlor <0.240
268SS03
DEPTH 0.0'
Heptachlor <0.240
268SS01
DEPTH 0.0'
Heptachlor <0.240
268SO08
DEPTH 3.0'
Heptachlor <0.240
268SO04
DEPTH 3.5'
Heptachlor <0.240
DEHGW04
DEPTH 2.0' 4.0'
Heptachlor <0.003 <0.003
San Francisc
Shoreline


OF01SD01
DEPTH 0.0'
Heptachlor <0.0001
OF01SD04
DEPTH 0.0'
Heptachlor 0.00025 n
OF01SD03
DEPTH 0.0'
Heptachlor <0.0001
OF01SD05
DEPTH 0.0'
Heptachlor <0.0001
OF01SD02
DEPTH 0.
Heptachlor <0.
268S
DEPTH 1
Heptachlor <0.
268SI
DEPTH 1.
Heptachlor <0.
268S
DEPTH 0
Heptachlor <0.
268
DEPTH
Heptachlor <0
268SS02
DEPTH 0
Heptachlor <0
268
DEPTH
Heptachlor 0.0
ancisco Bay
267
268
287



OF01SD02	
DEPTH	0.0'
Heptachlor	<0.0001

268SB04		
DEPTH	1.5'	3.0'
Heptachlor	<0.0055	<0.005

268SB05		
DEPTH	1.5'	3.0'
Heptachlor	<0.005	<0.005

268SB02		
DEPTH	0.0'	1.5'
Heptachlor	<0.0065	<0.0062

268SB01		
DEPTH	0.5'	1.5'
Heptachlor	<0.0063	<0.0059

268SS02	
DEPTH	0.0'
Heptachlor	<0.240

268SB03		
DEPTH	0.0'	1.5'
Heptachlor	0.0144	<0.0057

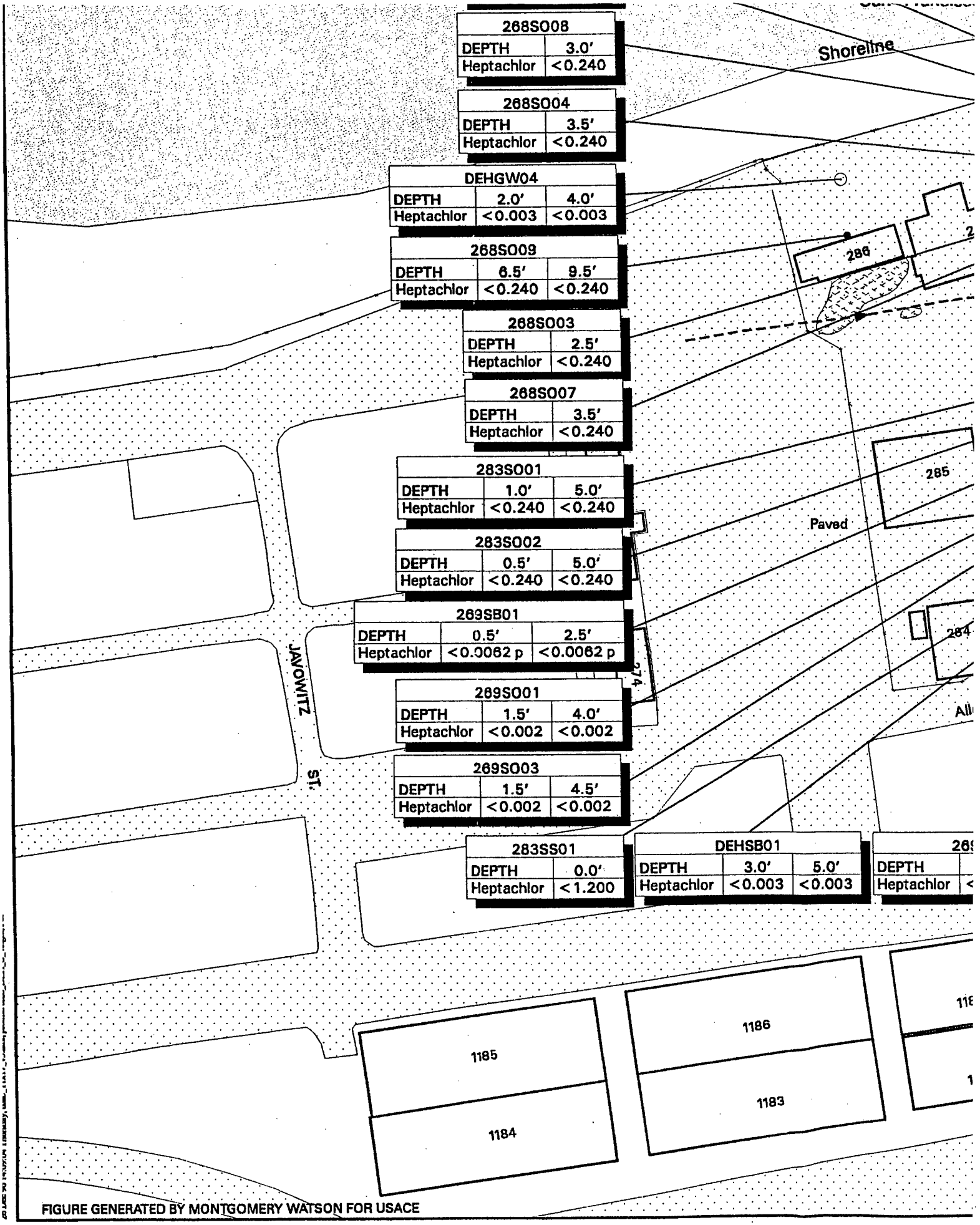
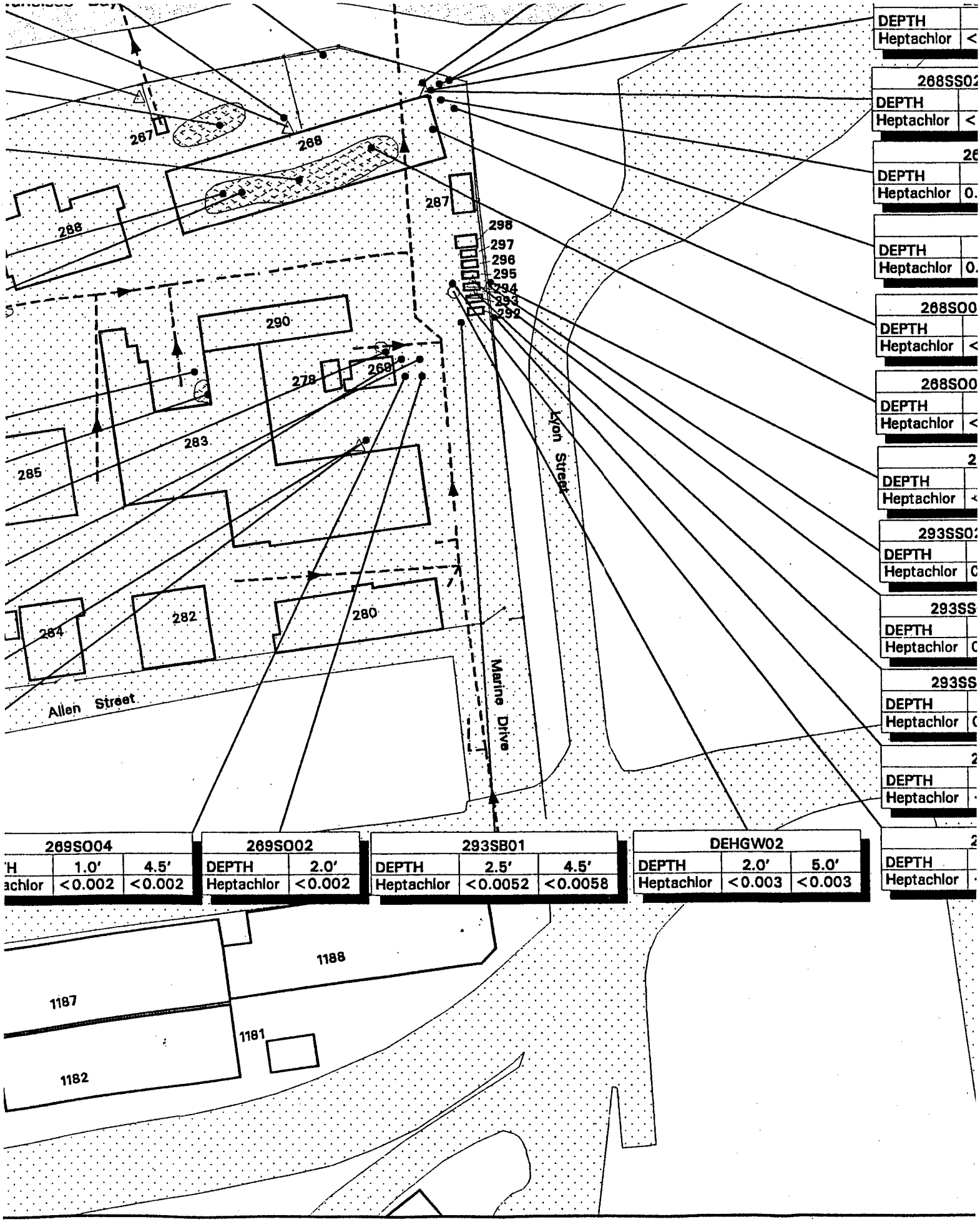
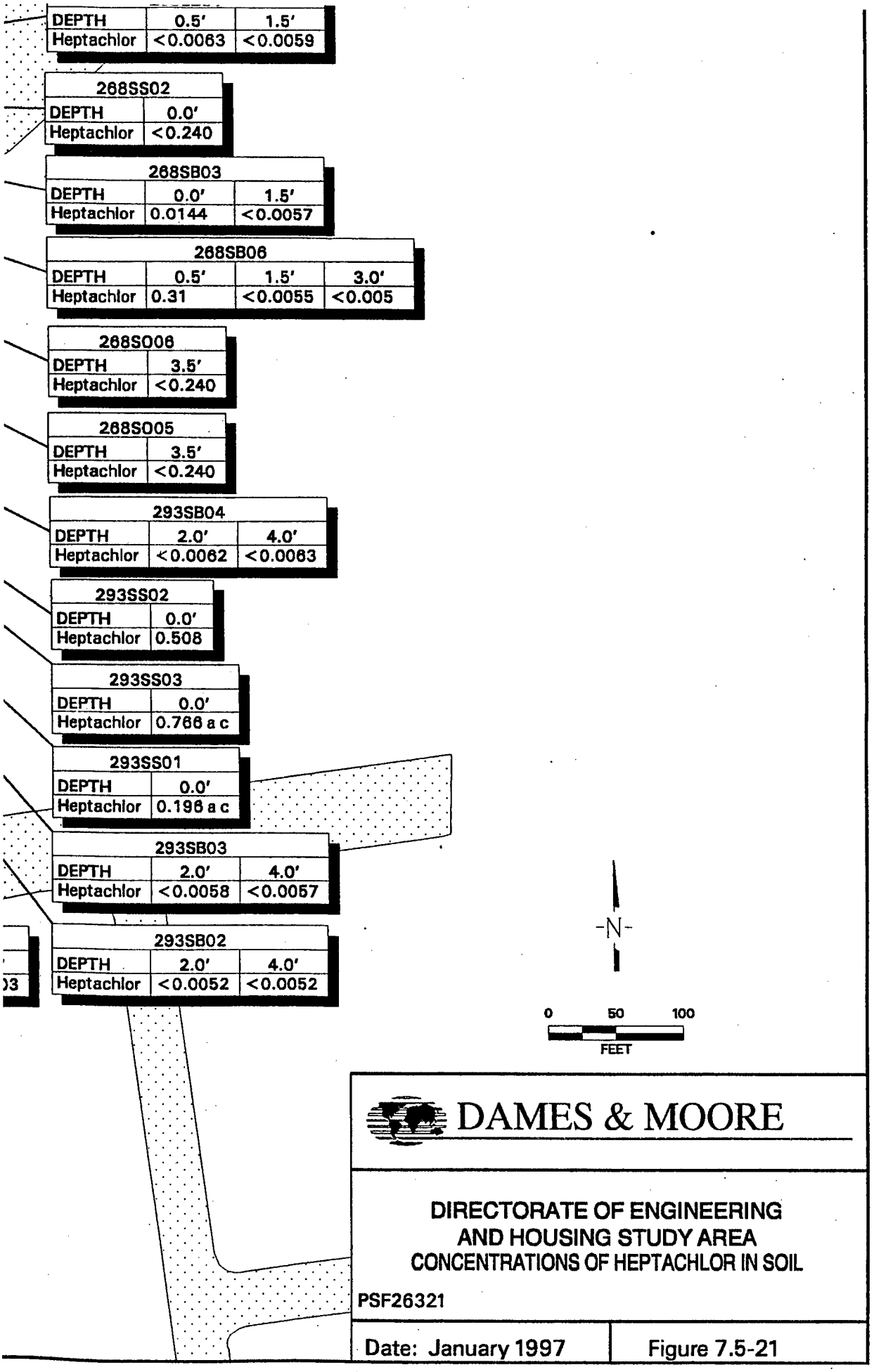


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


287
268
288
287
298
297
296
295
294
293
292
290
278
269
283
285
284
282
280
Lyon Street
Marine Drive
Allen Street
1188
1187
1181
1182
DEPTH
Heptachlor
268SS02
268SO0
293SS0
293SS
269SO04
'H
1.0'
4.5'
achlor
<0.002
<0.002
269SO02
DEPTH
2.0'
Heptachlor
<0.002
293SB01
DEPTH
2.5'
4.5'
Heptachlor
<0.0052
<0.0058
DEHGW02
DEPTH
2.0'
5.0'
Heptachlor
<0.003
<0.003



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF HEPTACHLOR IN SOIL

PSF26321

Date: January 1997 | Figure 7.5-21

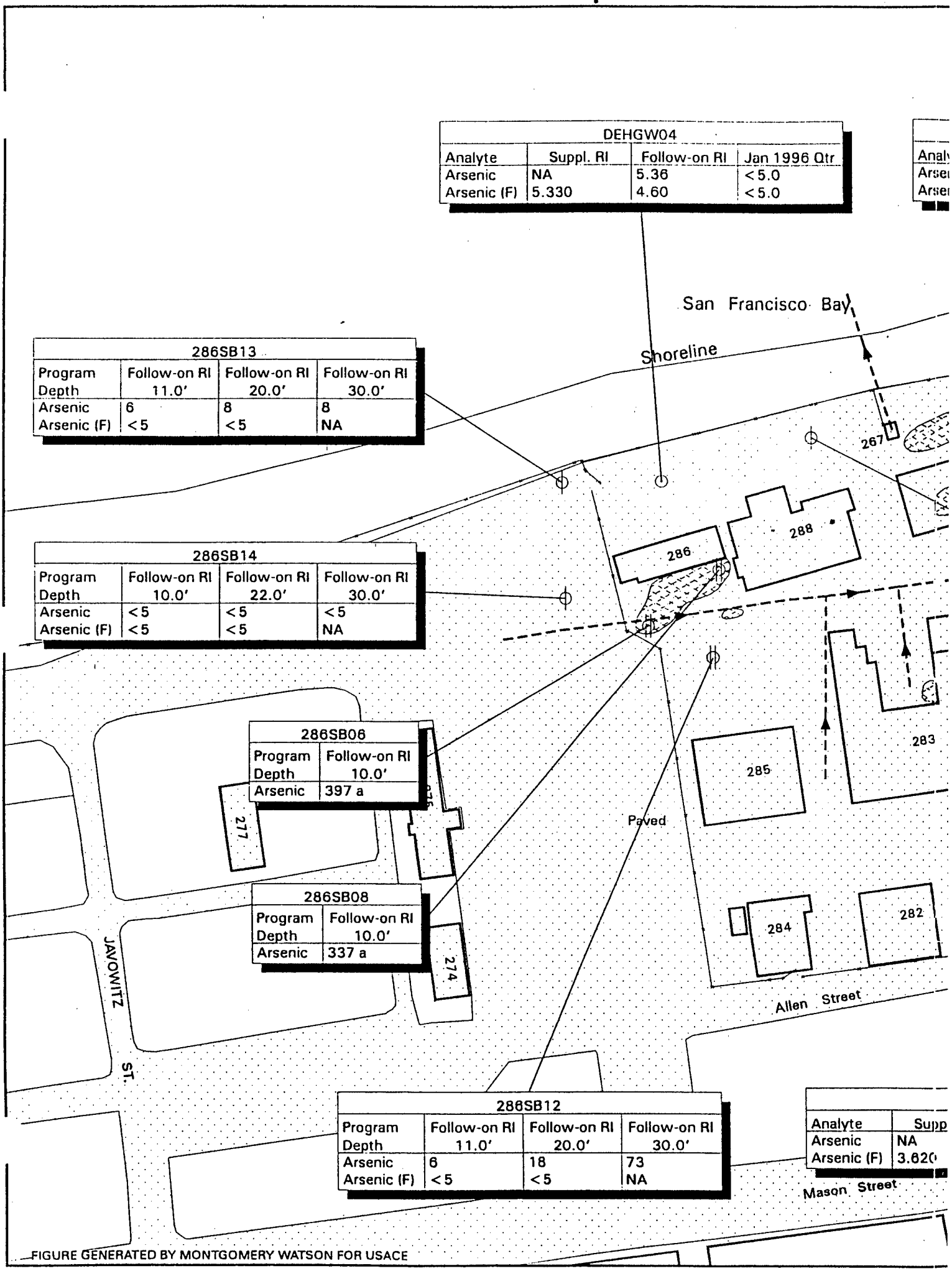
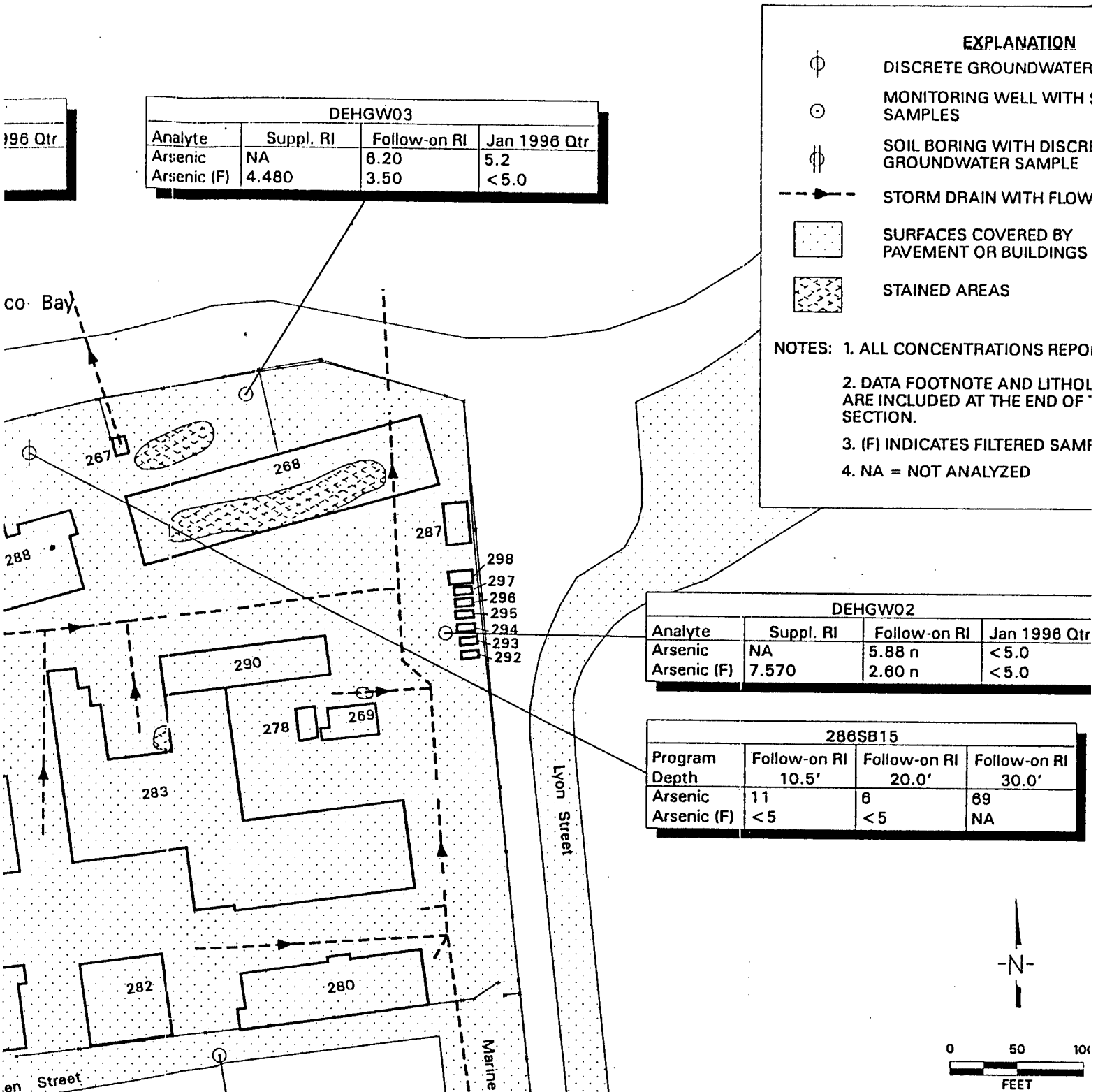


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



DEHGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	6.20	5.2
Arsenic (F)	4.480	3.50	<5.0

DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	5.88 n	<5.0
Arsenic (F)	7.570	2.60 n	<5.0

286SB15			
Program Depth	Follow-on RI 10.5'	Follow-on RI 20.0'	Follow-on RI 30.0'
Arsenic	11	6	69
Arsenic (F)	<5	<5	NA

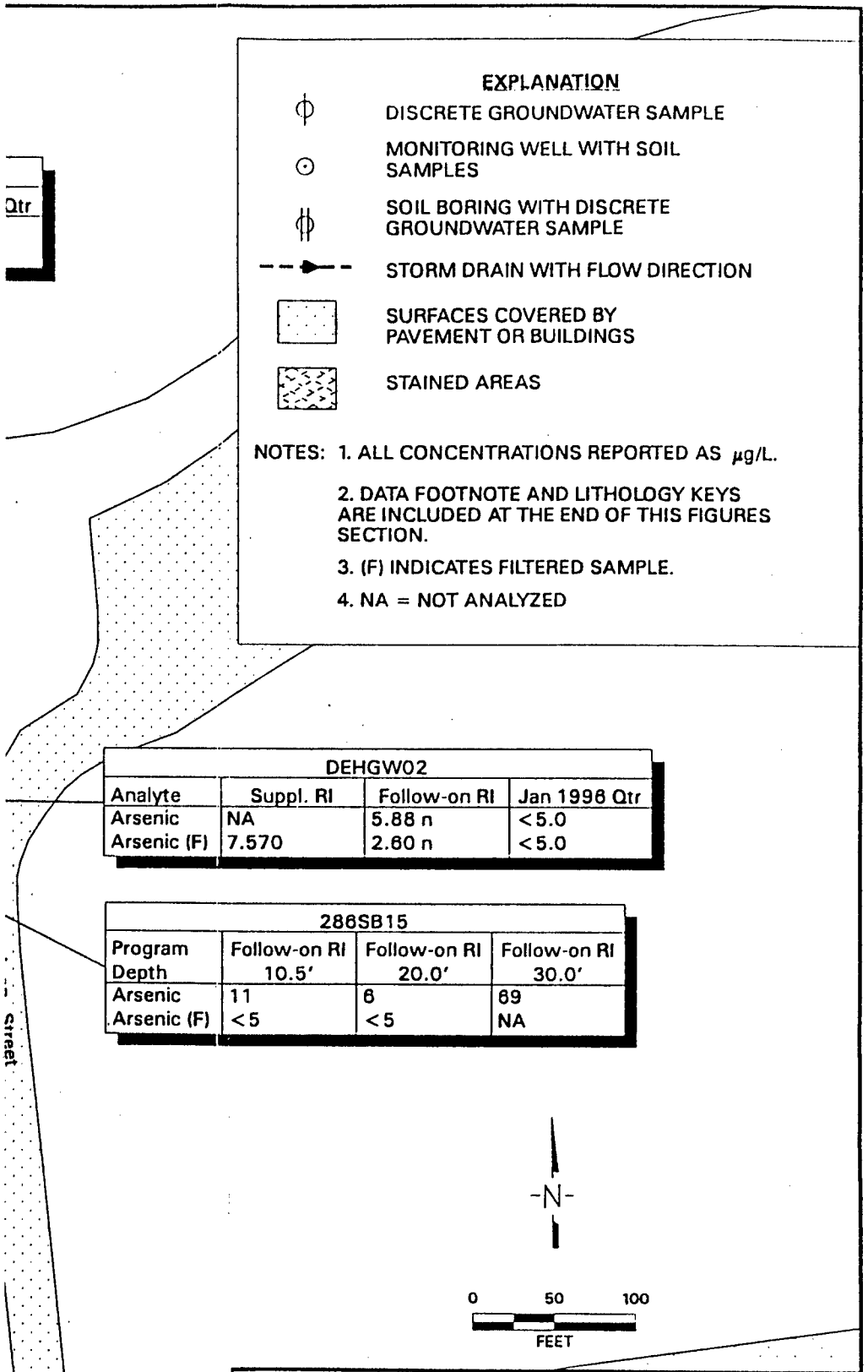
DEHGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	2.52	5.2
Arsenic (F)	3.620	1.90	<5.0

DAMES & MC

DIRECTORATE OF ENGI
AND HOUSING STUDY
CONCENTRATIONS OF ARSENIC IN

PSF26299

Date: January 1997 | Figu



DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	5.88 n	<5.0
Arsenic (F)	7.570	2.60 n	<5.0

286SB15			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	10.5'	20.0'	30.0'
Arsenic	11	6	69
Arsenic (F)	<5	<5	NA

DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ARSENIC IN GROUNDWATER

PSF26299

Date: January 1997

Figure 7.5-22

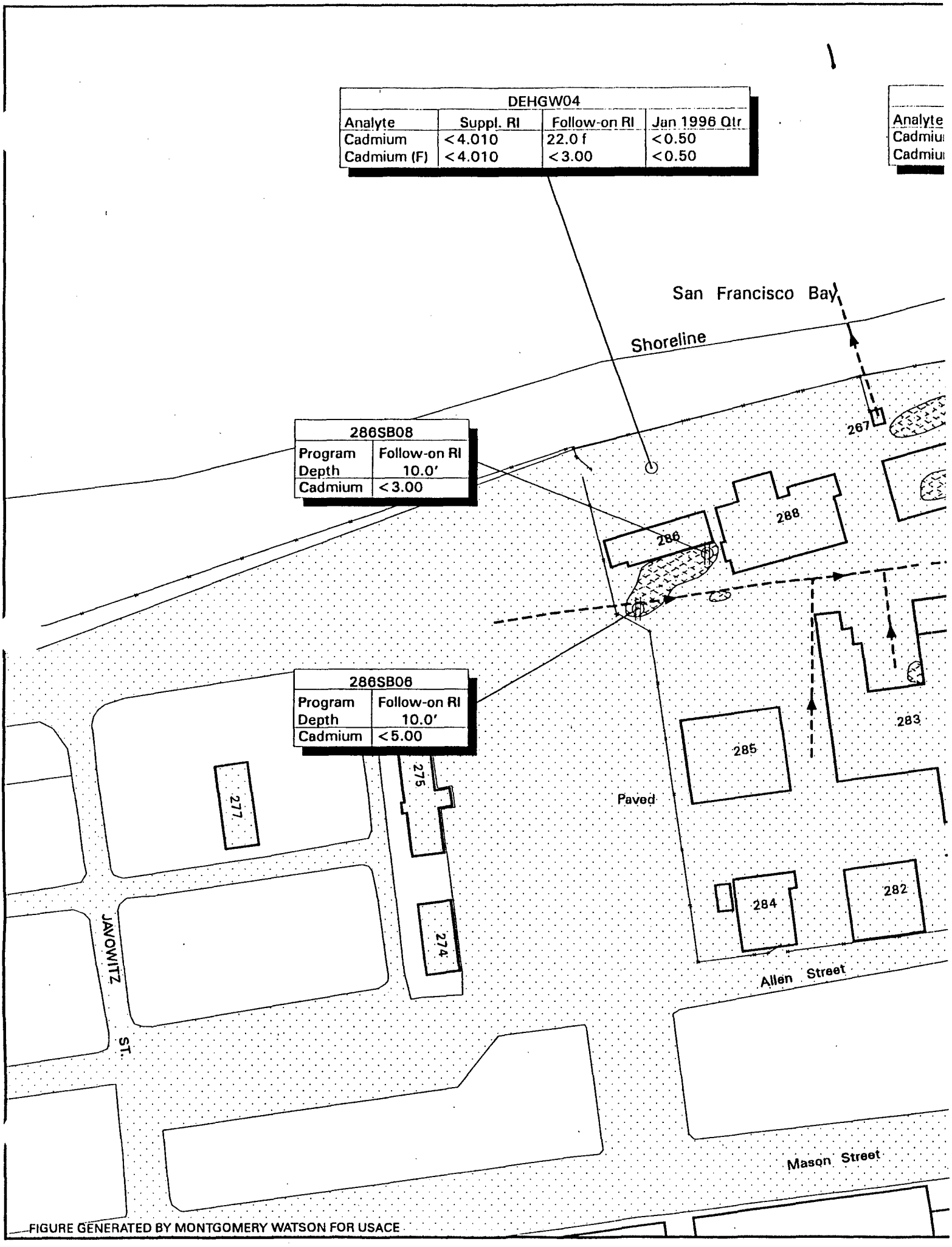
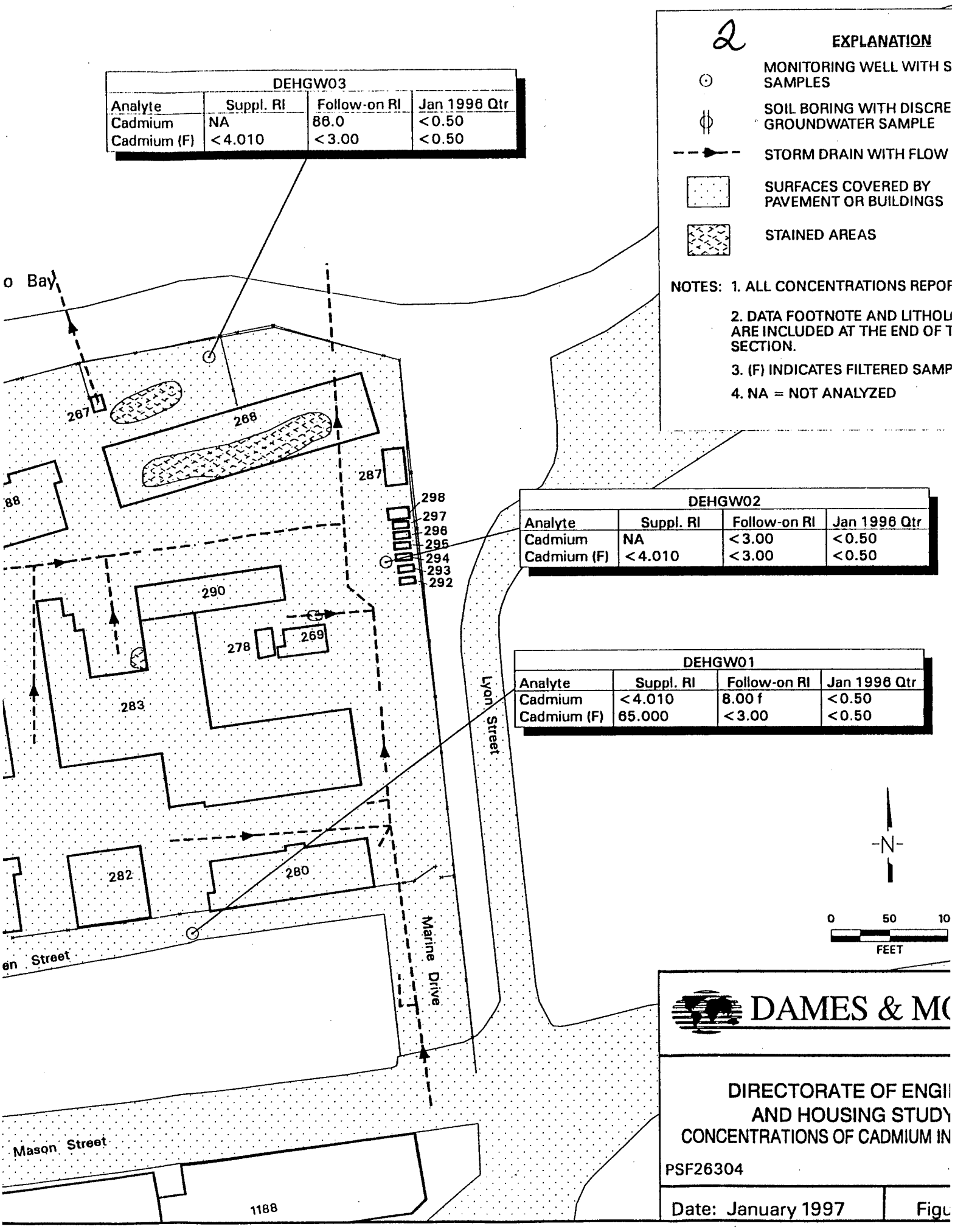


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
MONITORING WELL WITH S SAMPLES
SOIL BORING WITH DISCRE GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPOF
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF T SECTION.
3. (F) INDICATES FILTERED SAMP
4. NA = NOT ANALYZED
DEHGW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | NA | 86.0 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
DEHGW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | NA | <3.00 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
DEHGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | <4.010 | 8.00 f | <0.50
Cadmium (F) | 65.000 | <3.00 | <0.50
o Bay
267
268
287
298
297
296
295
294
293
292
290
278
269
283
282
280
Lyon Street
Marine Drive
en Street
Mason Street
1188
-N-
0 50 10
FEET
DAMES & MC
DIRECTORATE OF ENGI
AND HOUSING STUDY
CONCENTRATIONS OF CADMIUM IN
PSF26304
Date: January 1997
Figu

3

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

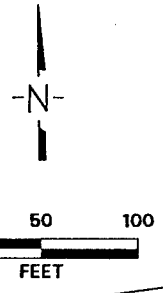
4. NA = NOT ANALYZED

DEHGW02

ıalyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
ıdmium	NA	<3.00	<0.50
ıdmium (F)	<4.010	<3.00	<0.50

DEHGW01

alyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
dmium	<4.010	8.00 f	<0.50
dmium (F)	65.000	<3.00	<0.50



DAMES & MOORE

DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA
CONCENTRATIONS OF CADMIUM IN GROUNDWATER

PSF26304

Date: January 1997 | Figure 7.5-23

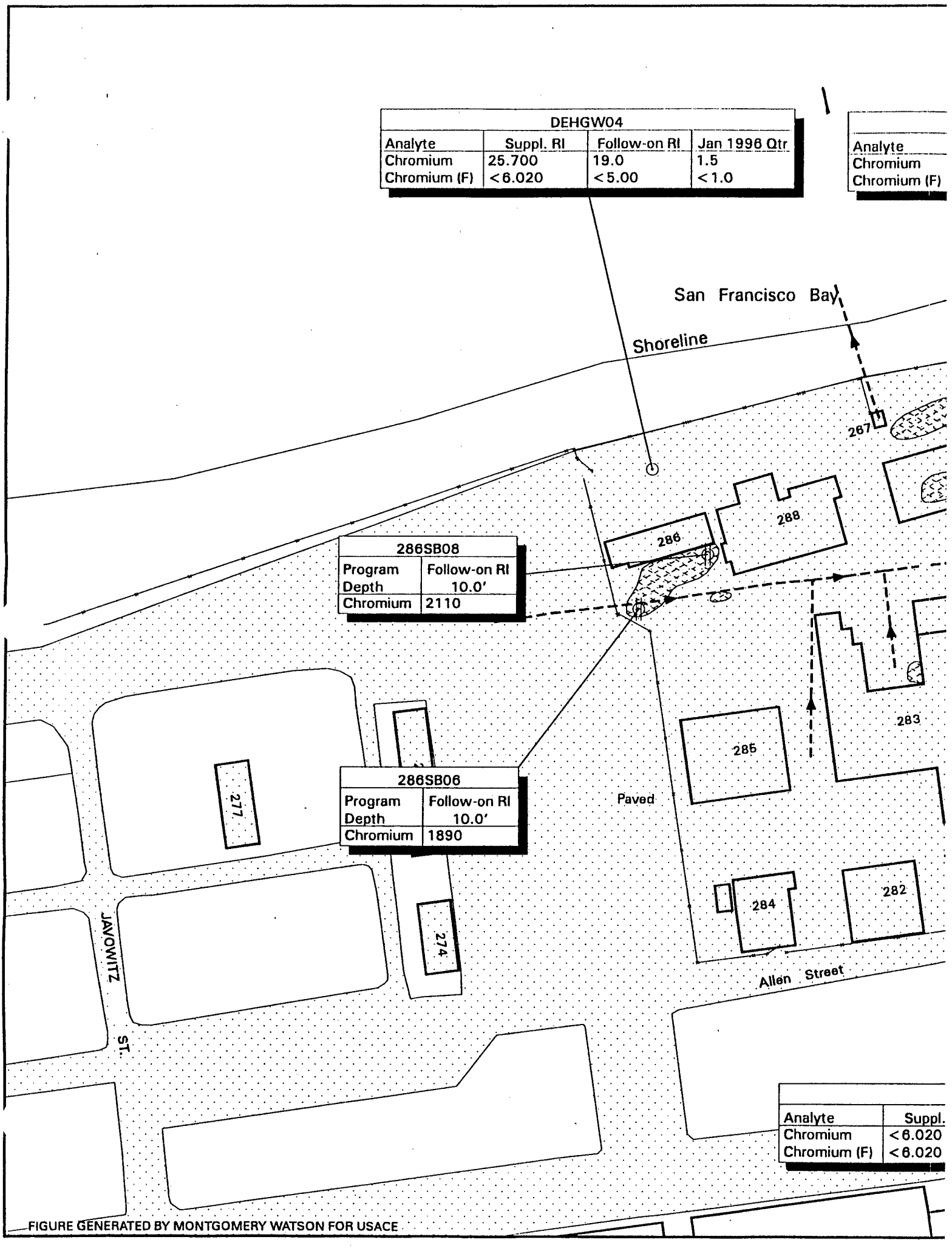
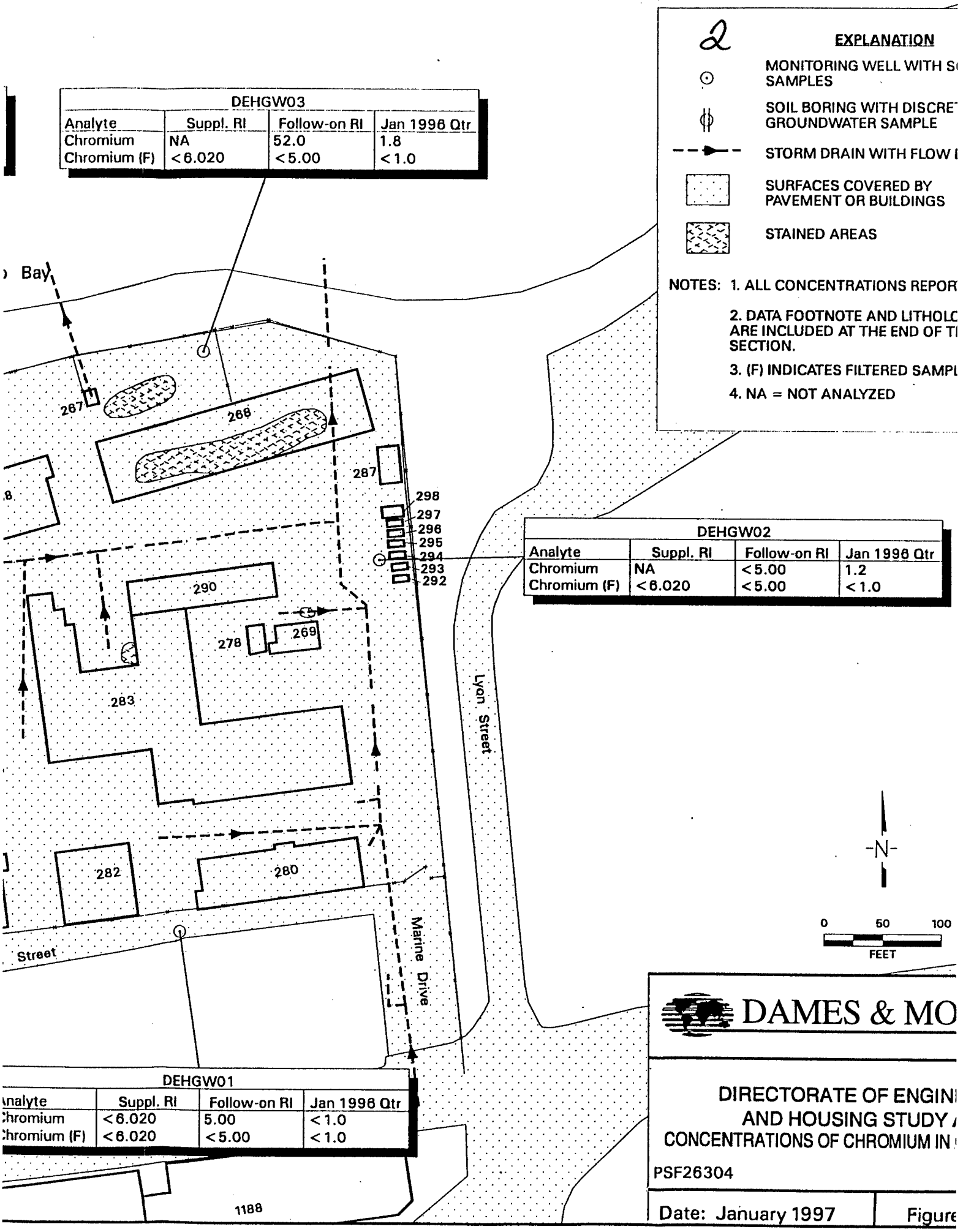


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
MONITORING WELL WITH S
SAMPLES
SOIL BORING WITH DISCRE
GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY
PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPOR
2. DATA FOOTNOTE AND LITHOLC
ARE INCLUDED AT THE END OF T
SECTION.
3. (F) INDICATES FILTERED SAMPL
4. NA = NOT ANALYZED
DEHGW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | NA | 52.0 | 1.8
Chromium (F) | <6.020 | <5.00 | <1.0
DEHGW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | NA | <5.00 | 1.2
Chromium (F) | <6.020 | <5.00 | <1.0
DEHGW01
nalyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
hromium | <6.020 | 5.00 | <1.0
hromium (F) | <6.020 | <5.00 | <1.0
Bay
267
268
287
298
297
296
295
294
293
292
290
278
269
283
282
280
Lyon Street
Marine Drive
Street
1188
-N-
0
50
100
FEET
DAMES & MO
DIRECTORATE OF ENGIN
AND HOUSING STUDY
CONCENTRATIONS OF CHROMIUM IN
PSF26304
Date: January 1997
Figure

3

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

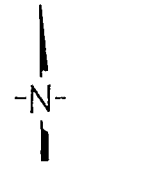
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	<5.00	1.2
Chromium (F)	<6.020	<5.00	<1.0



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

PSF26304

Date: January 1997 | Figure 7.5-24

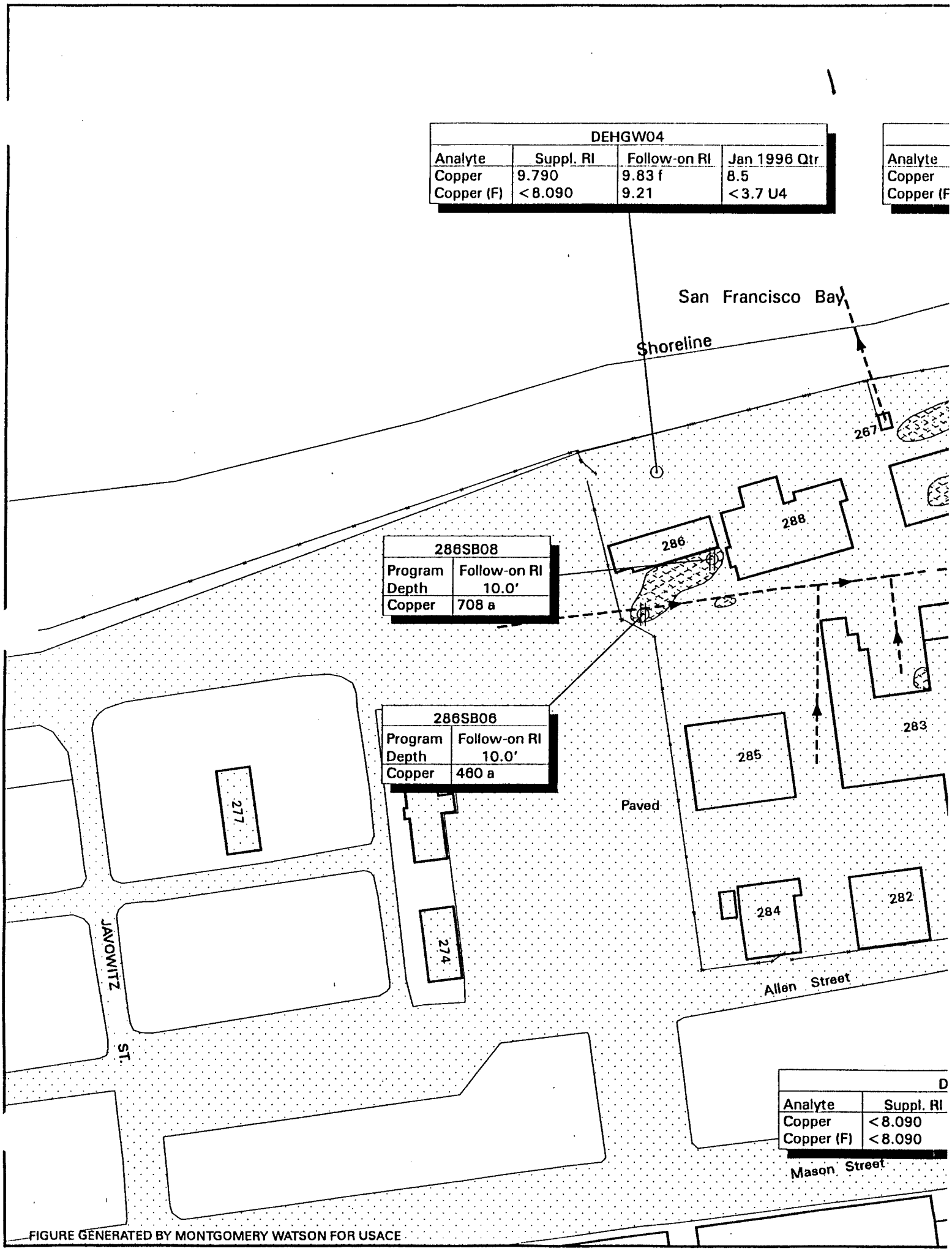
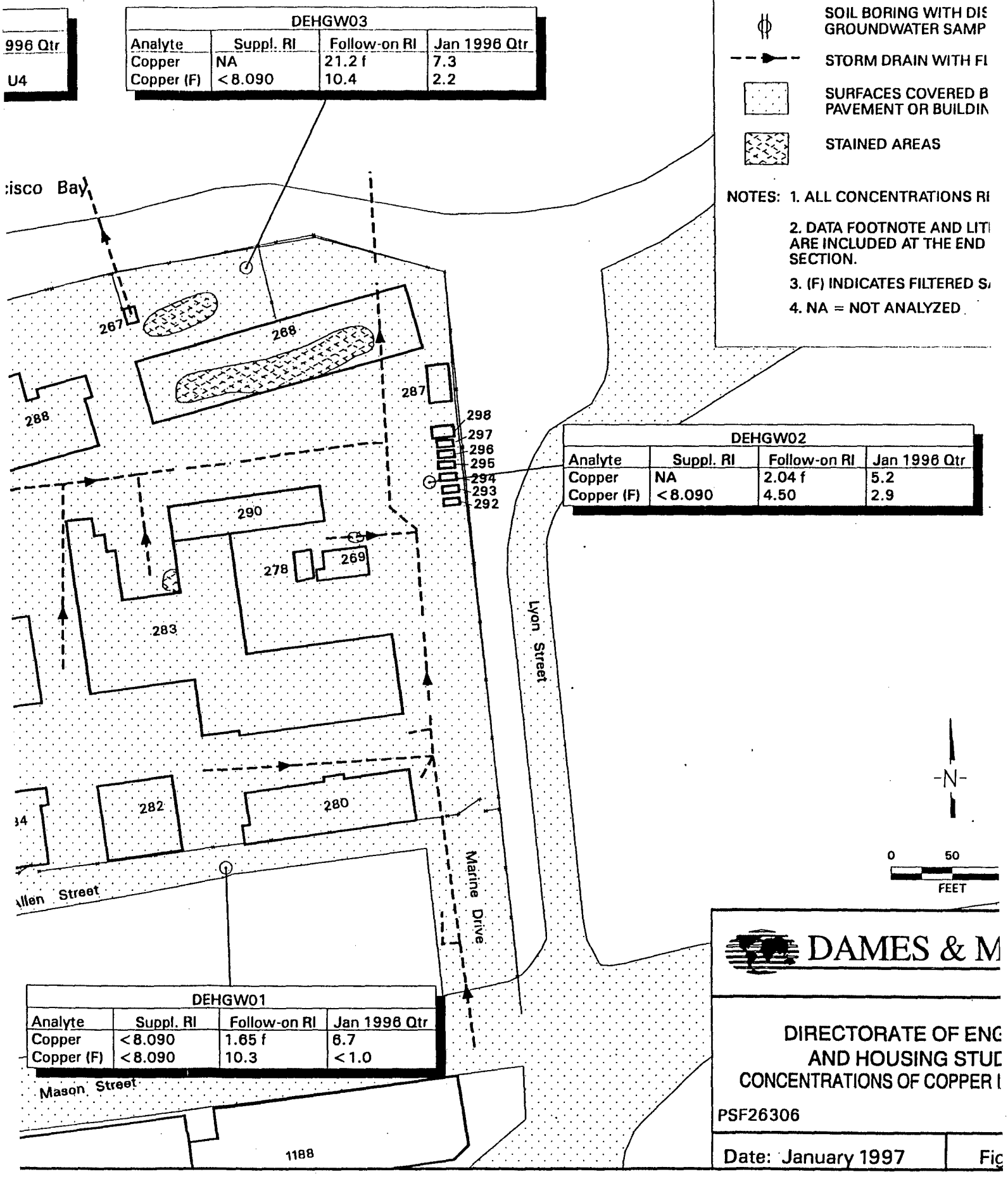


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATIO
MONITORING WELL WI SAMPLES
SOIL BORING WITH DIS GROUNDWATER SAMP
STORM DRAIN WITH FL
SURFACES COVERED B PAVEMENT OR BUILDIN
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS RI
2. DATA FOOTNOTE AND LITI ARE INCLUDED AT THE END SECTION.
3. (F) INDICATES FILTERED S.
4. NA = NOT ANALYZED
996 Qtr
U4
DEHGW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | NA | 21.2 f | 7.3
Copper (F) | <8.090 | 10.4 | 2.2
DEHGW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | NA | 2.04 f | 5.2
Copper (F) | <8.090 | 4.50 | 2.9
DEHGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | <8.090 | 1.65 f | 6.7
Copper (F) | <8.090 | 10.3 | <1.0
isco Bay
267
268
287
288
298
297
296
295
294
293
292
290
278
269
283
282
280
Lyon Street
Marine Drive
llen Street
Mason Street
1188
-N-
0
50
FEET
DAMES & M
DIRECTORATE OF ENG
AND HOUSING STUD
CONCENTRATIONS OF COPPER I
PSF26306
Date: January 1997
Fig

3

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

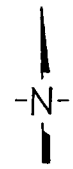
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

DEHGW02

nalyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
opper	NA	2.04 f	5.2
opper (F)	< 8.090	4.50	2.9



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF COPPER IN GROUNDWATER

PSF26306

Date: January 1997 | Figure 7.5-25

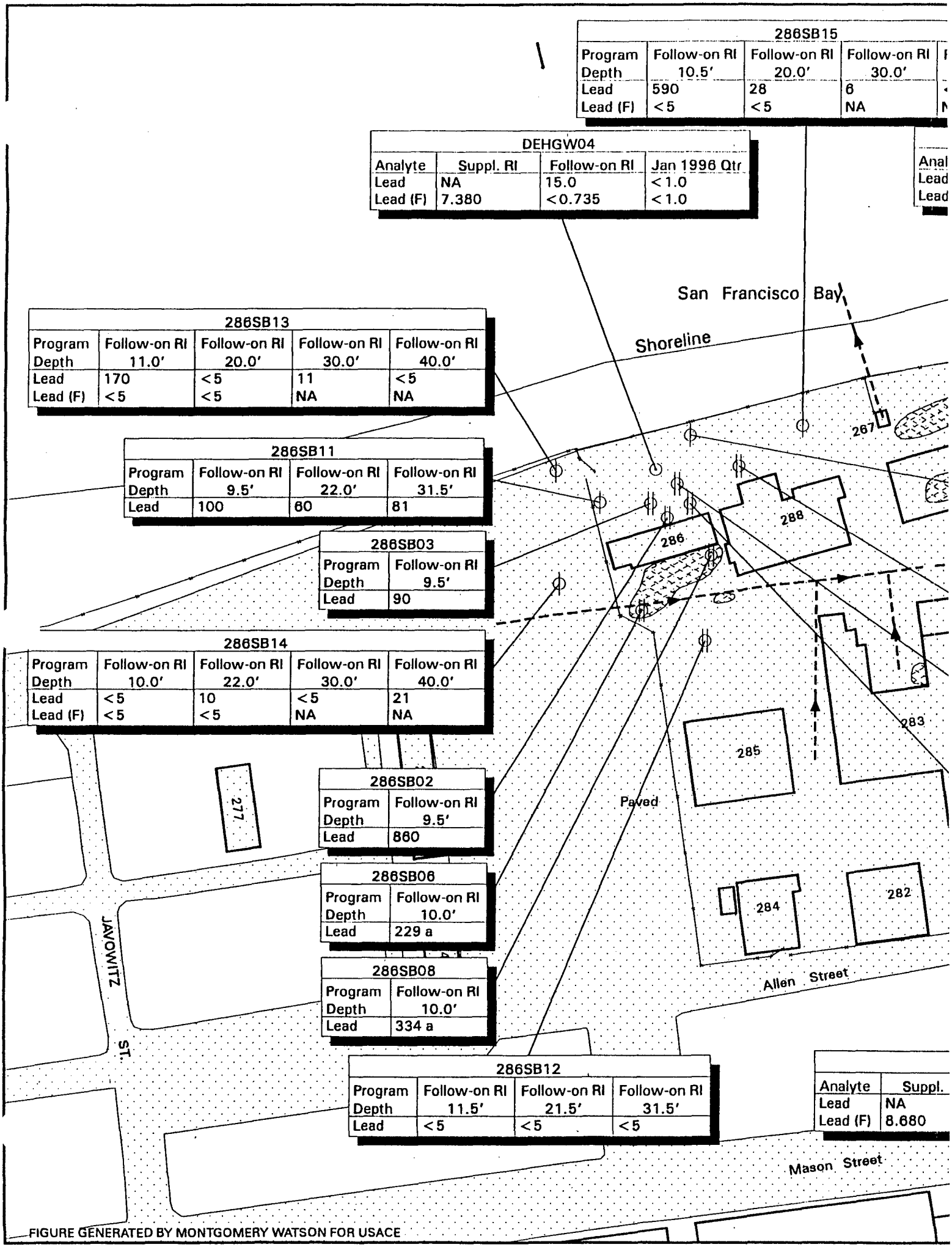
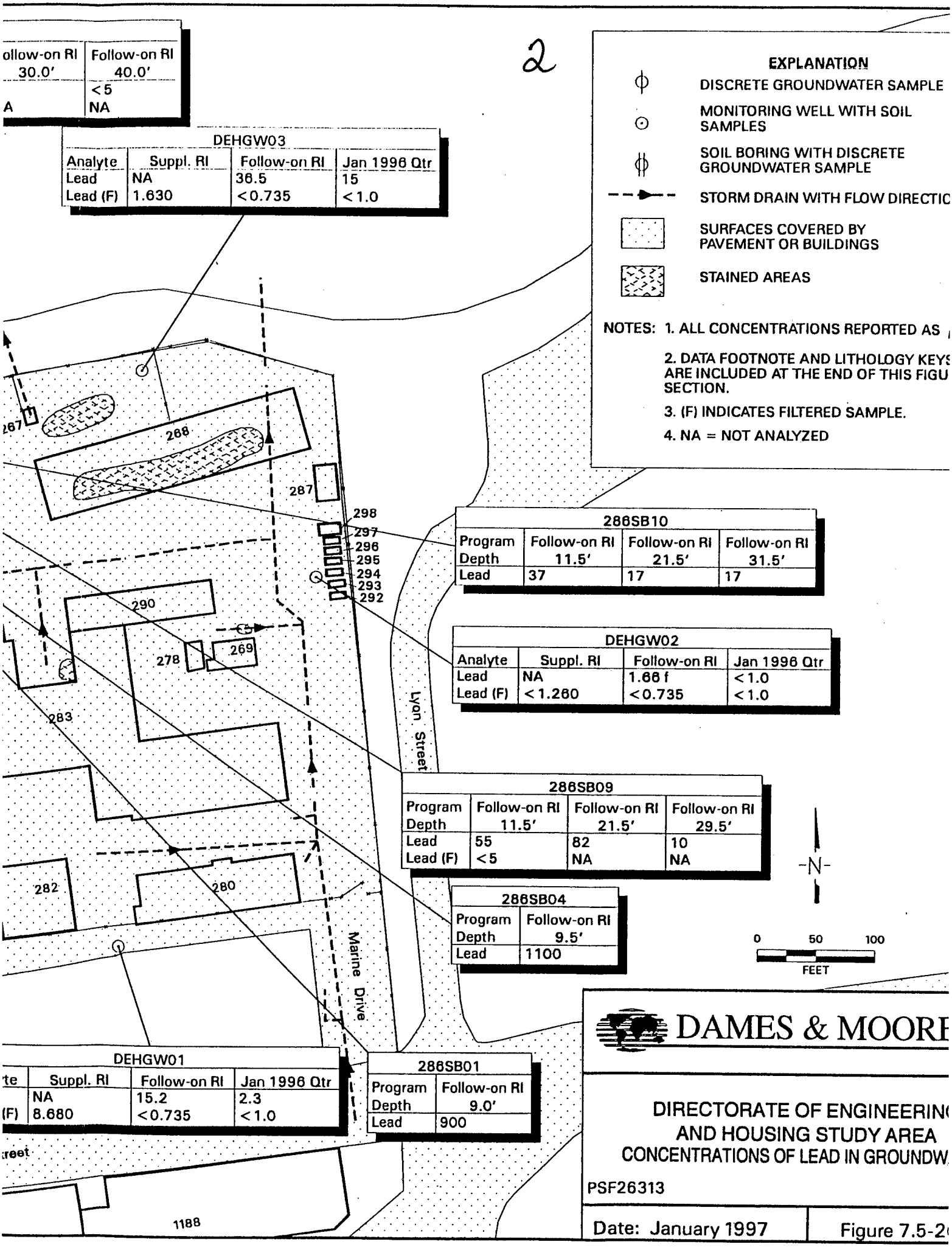


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
DISCRETE GROUNDWATER SAMPLE
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW DIRECTIC
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGU SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
ollow-on RI | Follow-on RI
30.0′ | 40.0′
| <5
A | NA
DEHGW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 36.5 | 15
Lead (F) | 1.630 | <0.735 | <1.0
286SB10
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 11.5′ | 21.5′ | 31.5′
Lead | 37 | 17 | 17
DEHGW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 1.66 f | <1.0
Lead (F) | <1.260 | <0.735 | <1.0
286SB09
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 11.5′ | 21.5′ | 29.5′
Lead | 55 | 82 | 10
Lead (F) | <5 | NA | NA
286SB04
Program | Follow-on RI
Depth | 9.5′
Lead | 1100
DEHGW01
te | Suppl. RI | Follow-on RI | Jan 1996 Qtr
| NA | 15.2 | 2.3
(F) | 8.680 | <0.735 | <1.0
286SB01
Program | Follow-on RI
Depth | 9.0′
Lead | 900
267
268
287
298
297
296
295
294
293
292
290
278
269
283
282
280
1188
Lyon Street
Marine Drive
-N-
0 50 100
FEET
DAMES & MOORE
DIRECTORATE OF ENGINEERIN
AND HOUSING STUDY AREA
CONCENTRATIONS OF LEAD IN GROUNDW
PSF26313
Date: January 1997
Figure 7.5-2

3

EXPLANATION

- DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

286SB10			
ım	Follow-on RI 11.5'	Follow-on RI 21.5'	Follow-on RI 31.5'
	37	17	17

DEHGW02			
e	Suppl. RI	Follow-on RI	Jan 1996 Qtr
	NA	1.66 f	< 1.0
F)	< 1.260	< 0.735	< 1.0

286SB09		
ow-on RI 11.5'	Follow-on RI 21.5'	Follow-on RI 29.5'
	82	10
	NA	NA

286SB04	
m	Follow-on RI 9.5'
	1100

-N-

0 50 100

FEET

n RI

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DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF LEAD IN GROUNDWATER

PSF26313

Date: January 1997 | Figure 7.5-26

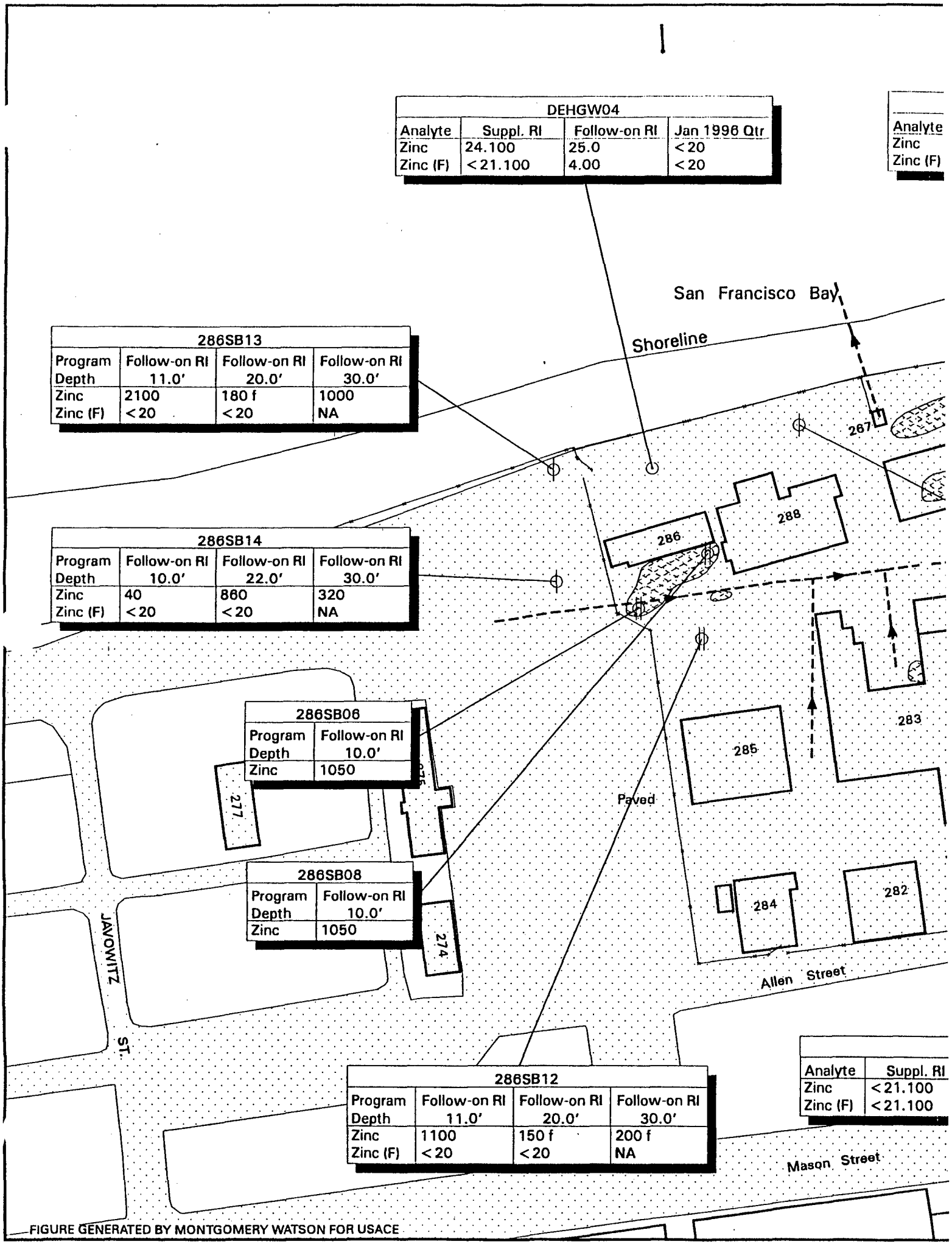
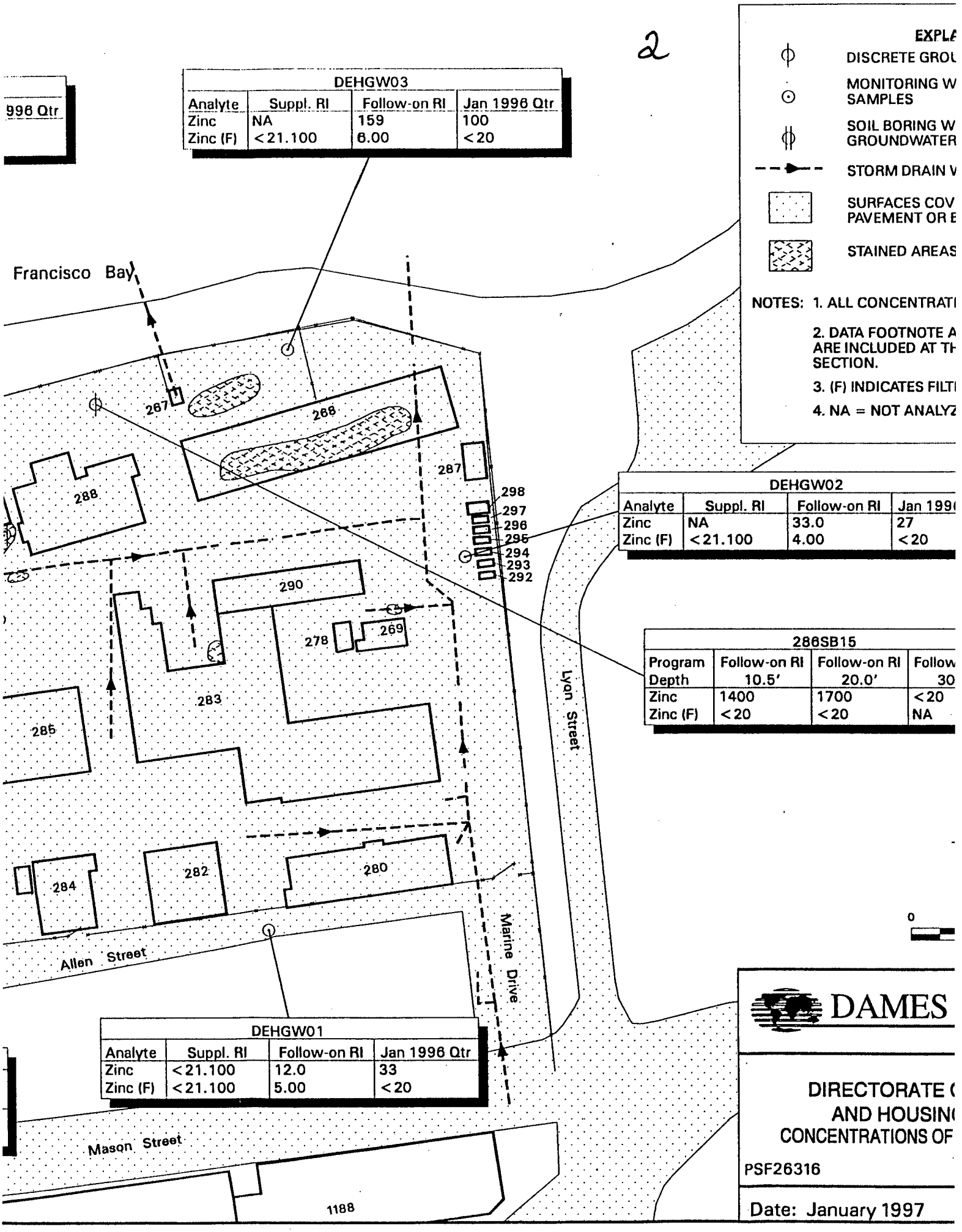


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
996 Qtr
DEHGW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | NA | 159 | 100
Zinc (F) | <21.100 | 6.00 | <20
EXPLA
DISCRETE GROU
MONITORING W
SAMPLES
SOIL BORING W
GROUNDWATER
STORM DRAIN V
SURFACES COV
PAVEMENT OR E
STAINED AREAS
NOTES: 1. ALL CONCENTRATI
2. DATA FOOTNOTE A
ARE INCLUDED AT TH
SECTION.
3. (F) INDICATES FILTI
4. NA = NOT ANALYZ
DEHGW02
Analyte | Suppl. RI | Follow-on RI | Jan 199
Zinc | NA | 33.0 | 27
Zinc (F) | <21.100 | 4.00 | <20
286SB15
Program | Follow-on RI | Follow-on RI | Follow
Depth | 10.5' | 20.0' | 30
Zinc | 1400 | 1700 | <20
Zinc (F) | <20 | <20 | NA
Francisco Bay
267
268
287
288
298
297
296
295
294
293
292
290
278
269
283
285
284
282
280
Lyon Street
Marine Drive
Allen Street
Mason Street
1188
DEHGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | <21.100 | 12.0 | 33
Zinc (F) | <21.100 | 5.00 | <20
0
DAMES
DIRECTORATE (
AND HOUSIN(
CONCENTRATIONS OF
PSF26316
Date: January 1997

3

EXPLANATION

- DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

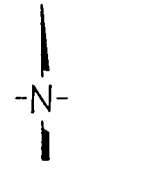
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

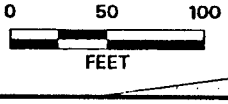
3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

DEHGW02			
nalyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
nc	NA	33.0	27
nc (F)	<21.100	4.00	<20

286SB15			
Program Depth	Follow-on RI 10.5'	Follow-on RI 20.0'	Follow-on RI 30.0'
Zinc	1400	1700	<20
Zinc (F)	<20	<20	NA





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AND HOUSING STUDY AREA
CONCENTRATIONS OF ZINC IN GROUNDWATER

PSF26316

Date: January 1997 | Figure 7.5-27

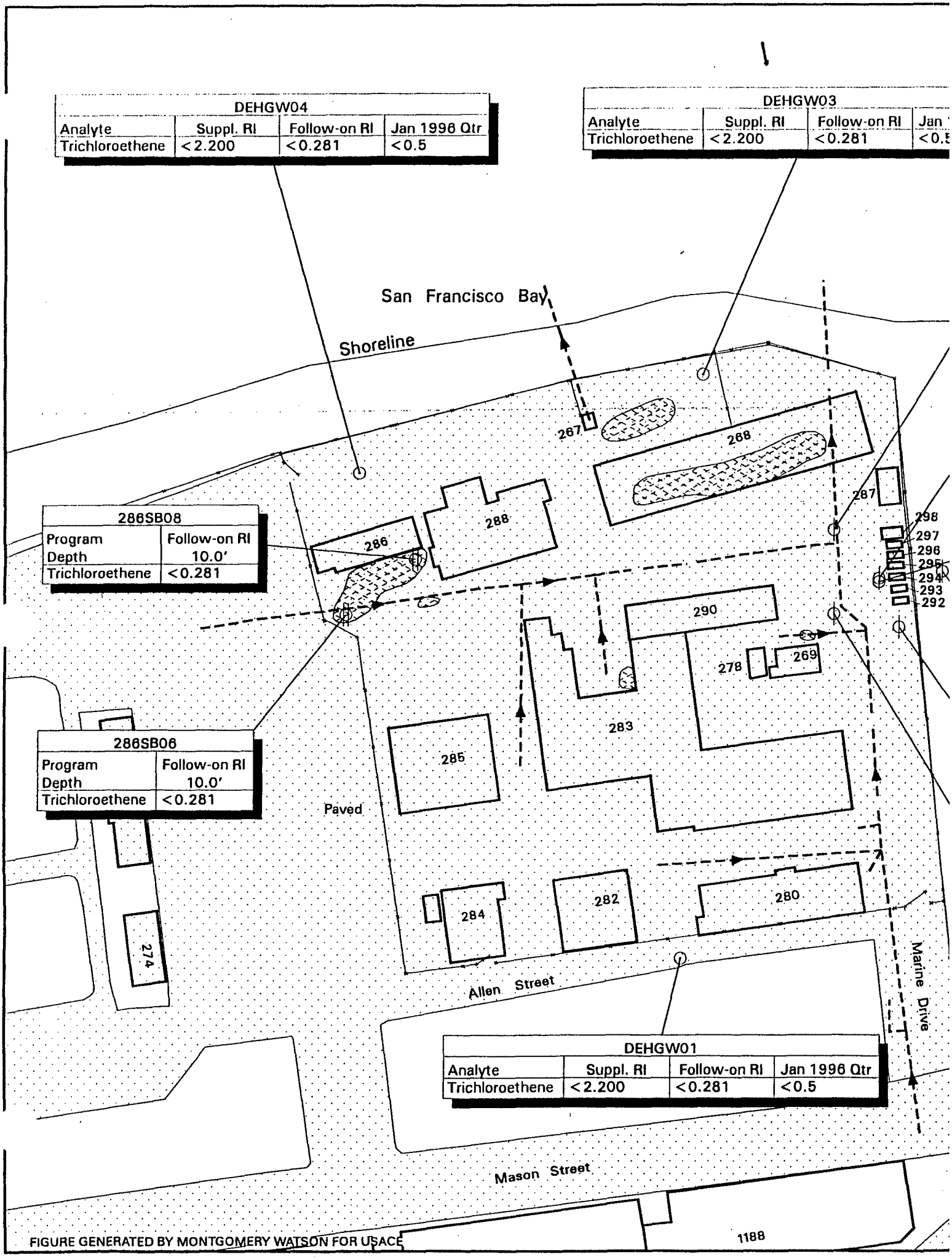
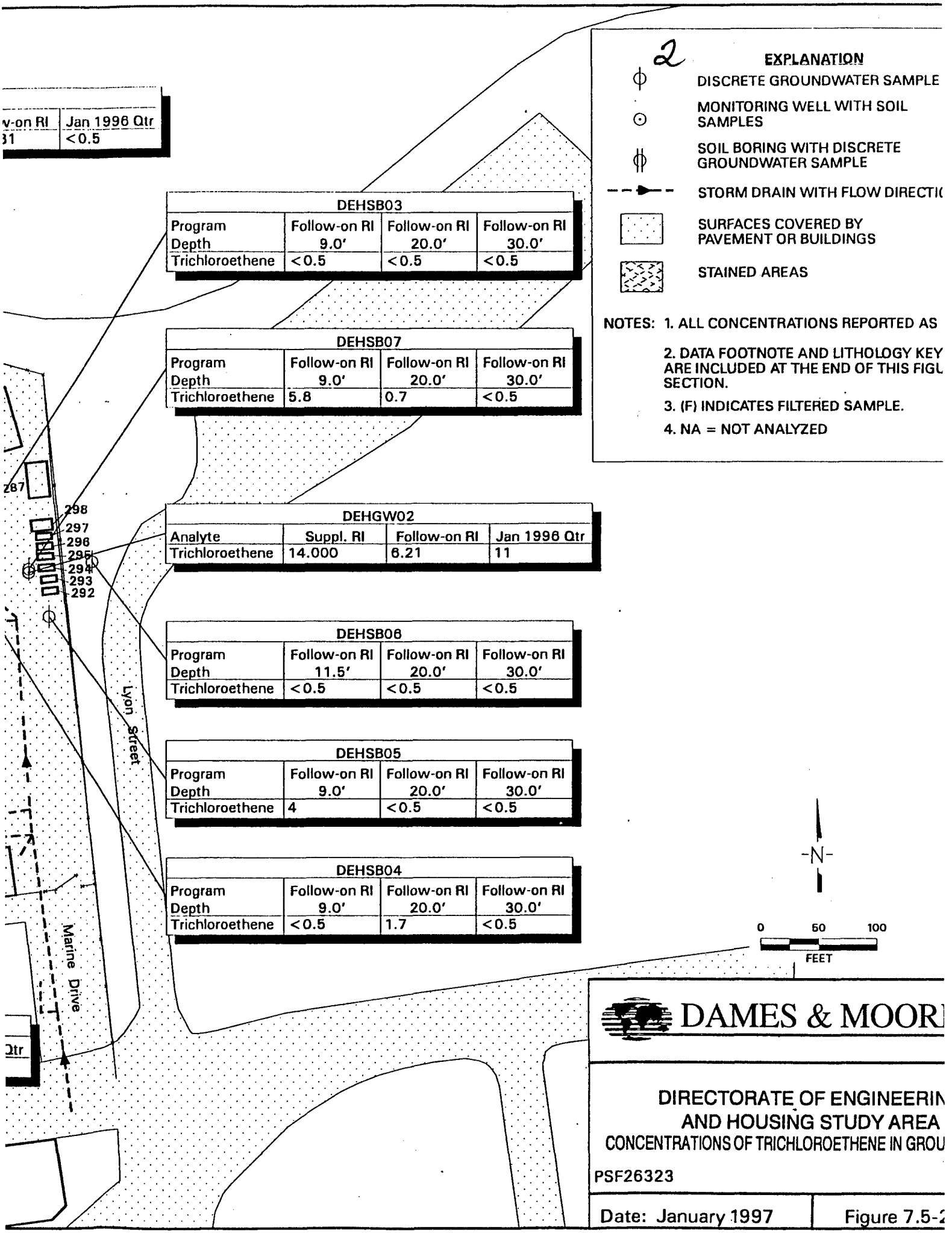


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
DISCRETE GROUNDWATER SAMPLE
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW DIRECTI
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS
2. DATA FOOTNOTE AND LITHOLOGY KEY ARE INCLUDED AT THE END OF THIS FIGU SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
v-on RI | Jan 1996 Qtr
31 | <0.5
DEHSB03
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 9.0' | 20.0' | 30.0'
Trichloroethene | <0.5 | <0.5 | <0.5
DEHSB07
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 9.0' | 20.0' | 30.0'
Trichloroethene | 5.8 | 0.7 | <0.5
287
298
297
296
295
294
293
292
DEHGW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Trichloroethene | 14.000 | 6.21 | 11
DEHSB06
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 11.5' | 20.0' | 30.0'
Trichloroethene | <0.5 | <0.5 | <0.5
Lyon Street
DEHSB05
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 9.0' | 20.0' | 30.0'
Trichloroethene | 4 | <0.5 | <0.5
DEHSB04
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 9.0' | 20.0' | 30.0'
Trichloroethene | <0.5 | 1.7 | <0.5
Marine Drive
Qtr
-N-
0 50 100
FEET
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AND HOUSING STUDY AREA
CONCENTRATIONS OF TRICHLOROETHENE IN GROU
PSF26323
Date: January 1997
Figure 7.5-2

3

EXPLANATION

- DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

Follow-on RI 30.0'
<0.5

Follow-on RI 30.0'
<0.5

RI Jan 1996 Qtr
11

Follow-on RI 30.0'
<0.5

Follow-on RI 30.0'
<0.5

Follow-on RI 30.0'
<0.5

-N-

0 50 100
FEET

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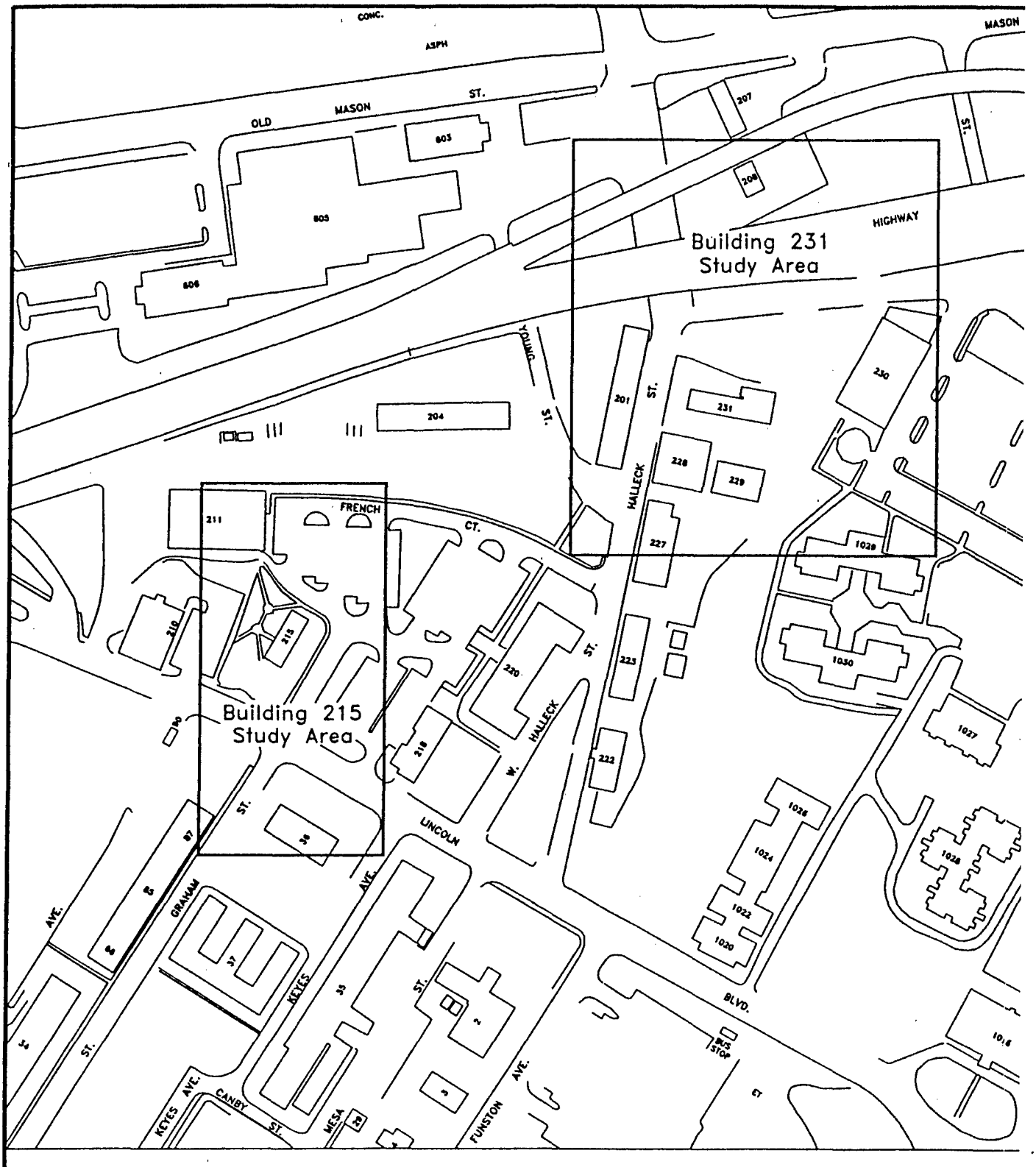
DIRECTORATE OF ENGINEERING AND HOUSING STUDY AREA

CONCENTRATIONS OF TRICHLOROETHENE IN GROUNDWATER

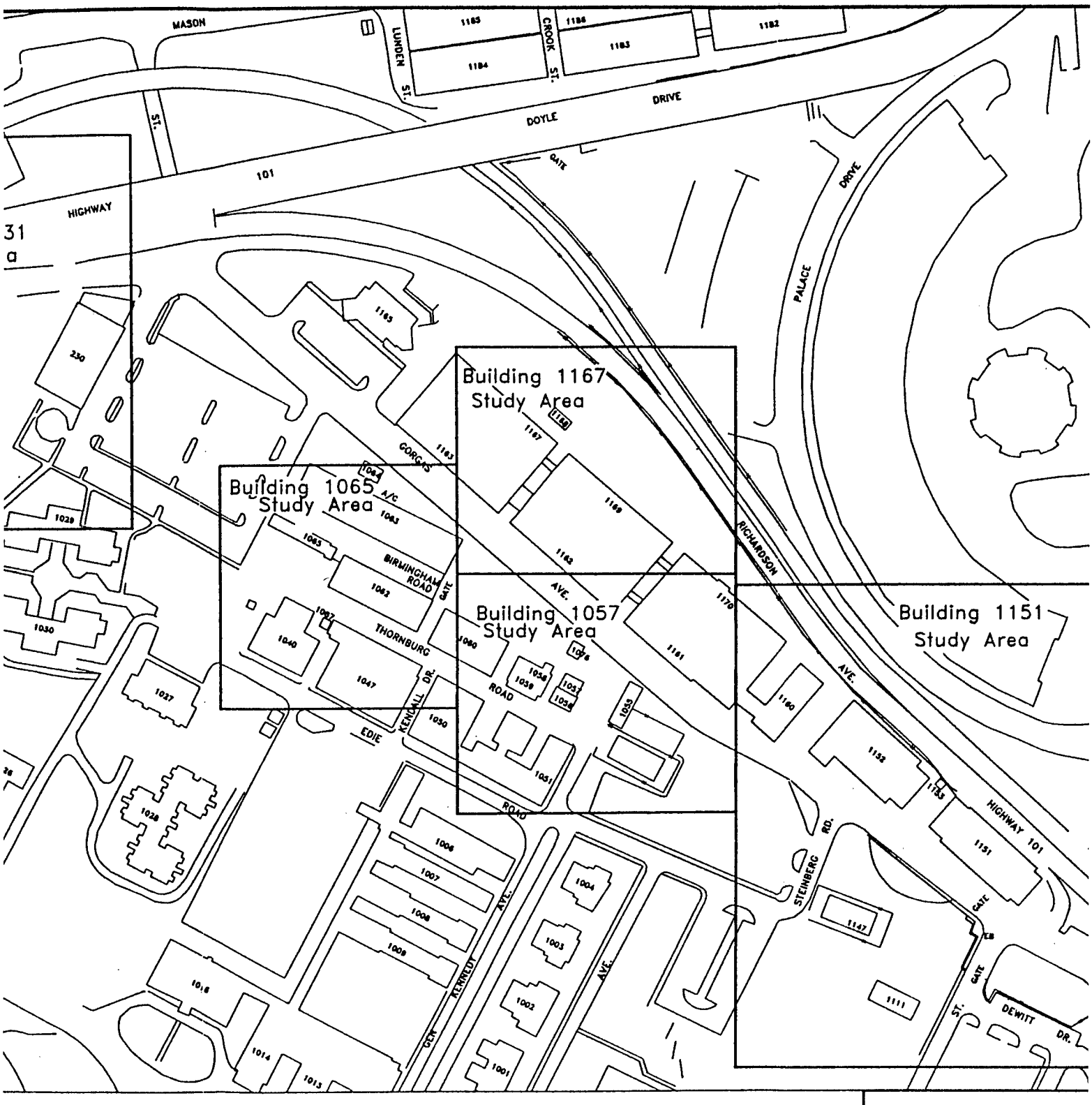
PSF26323

Date: January 1997 | Figure 7.5-28



EXPLANATION

Study Area Boundary

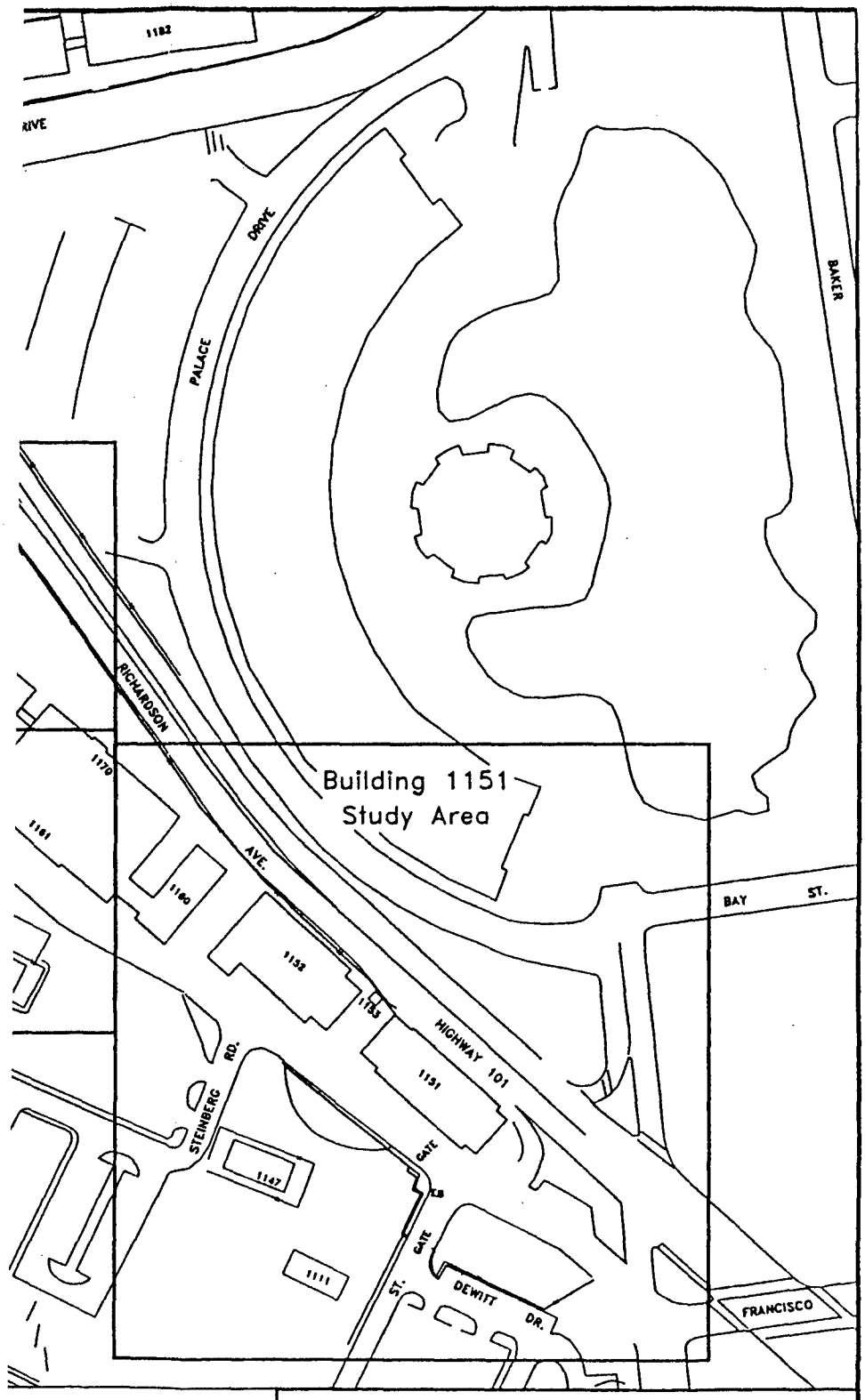


DAMES

MAIN POST S

PSF25015/DV1

Date: January 1997

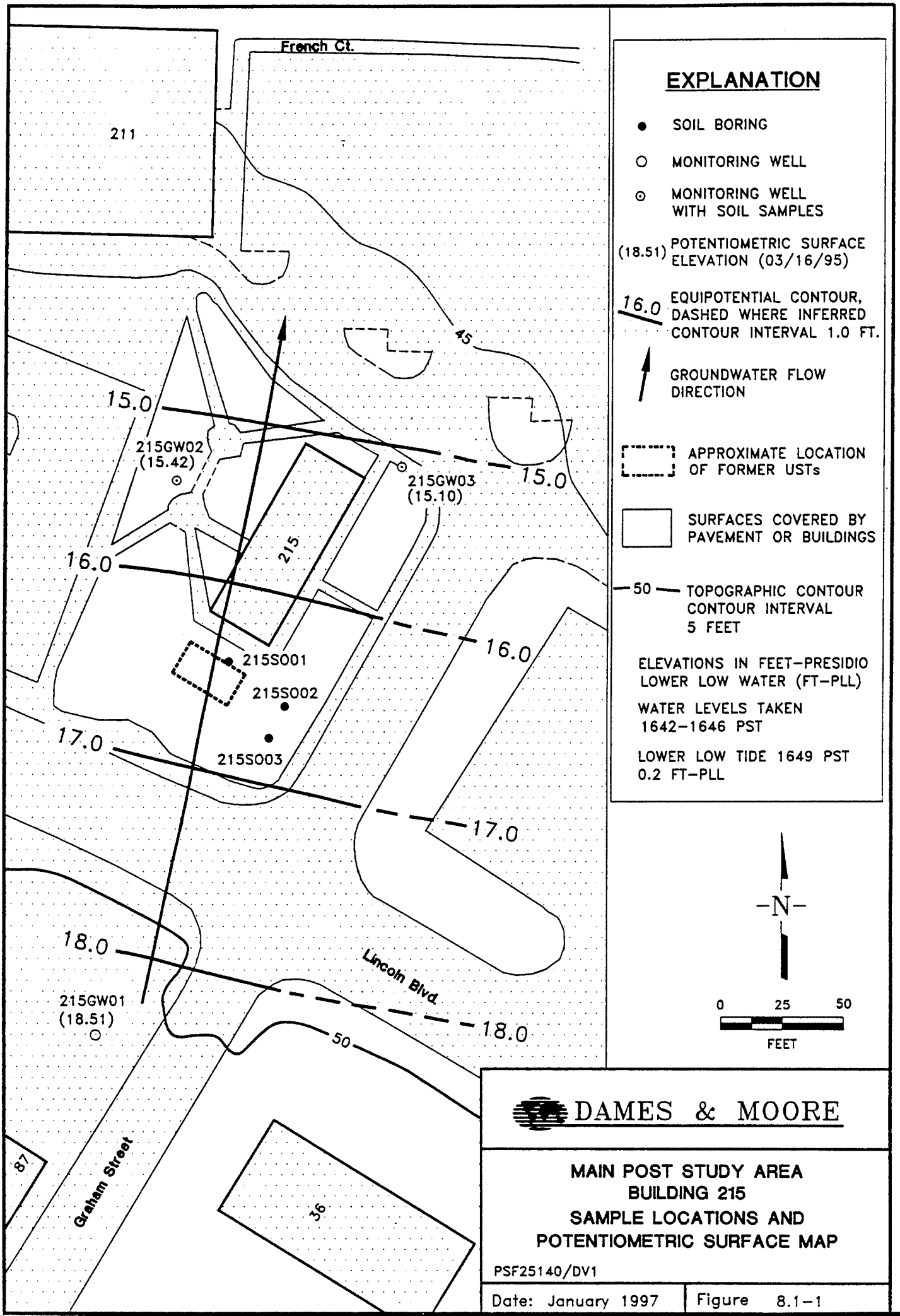


DAMES & MOORE

MAIN POST STUDY AREAS

PSF25015/DV1

Date: January 1997 | Figure 8.0-1

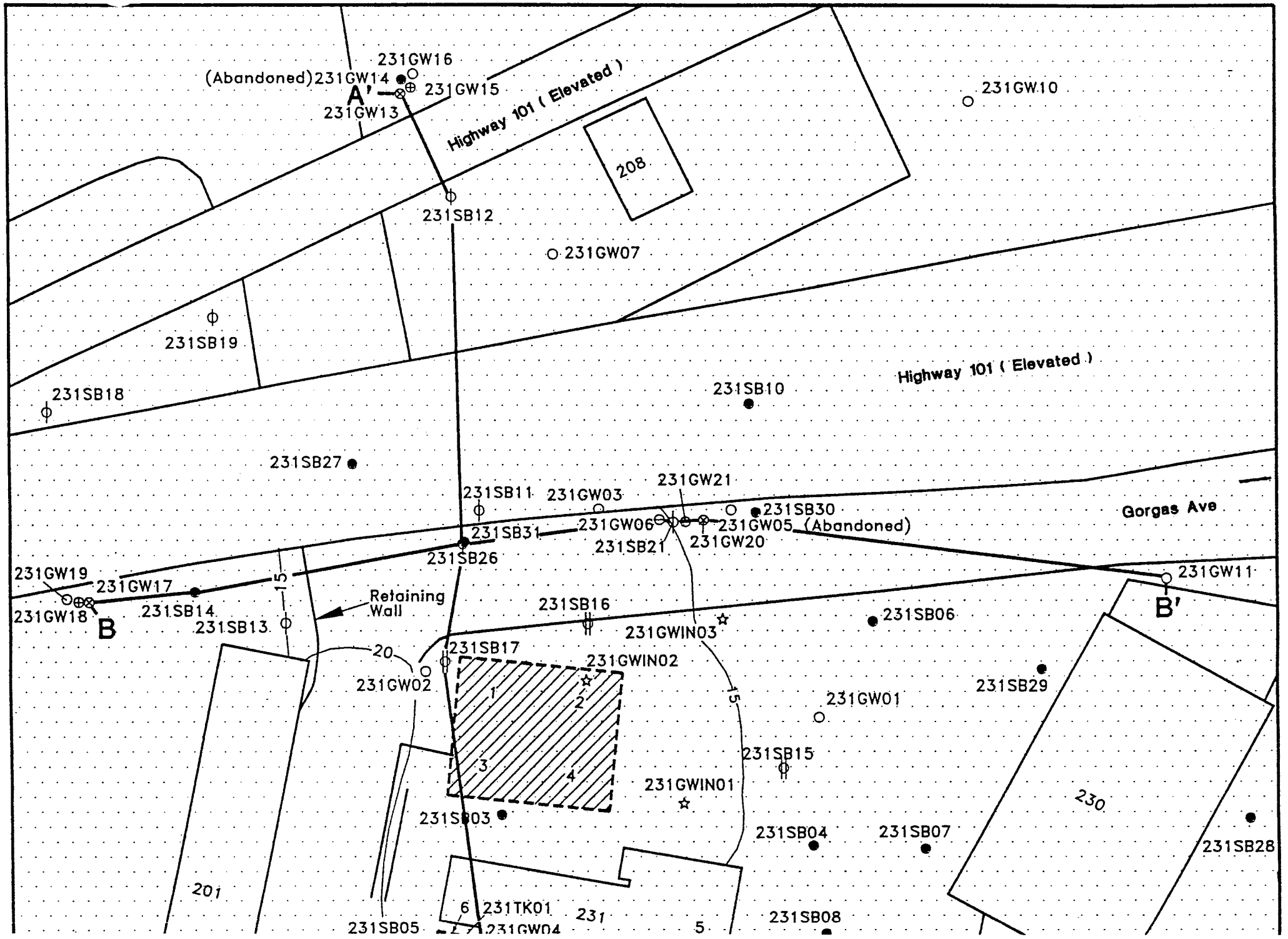


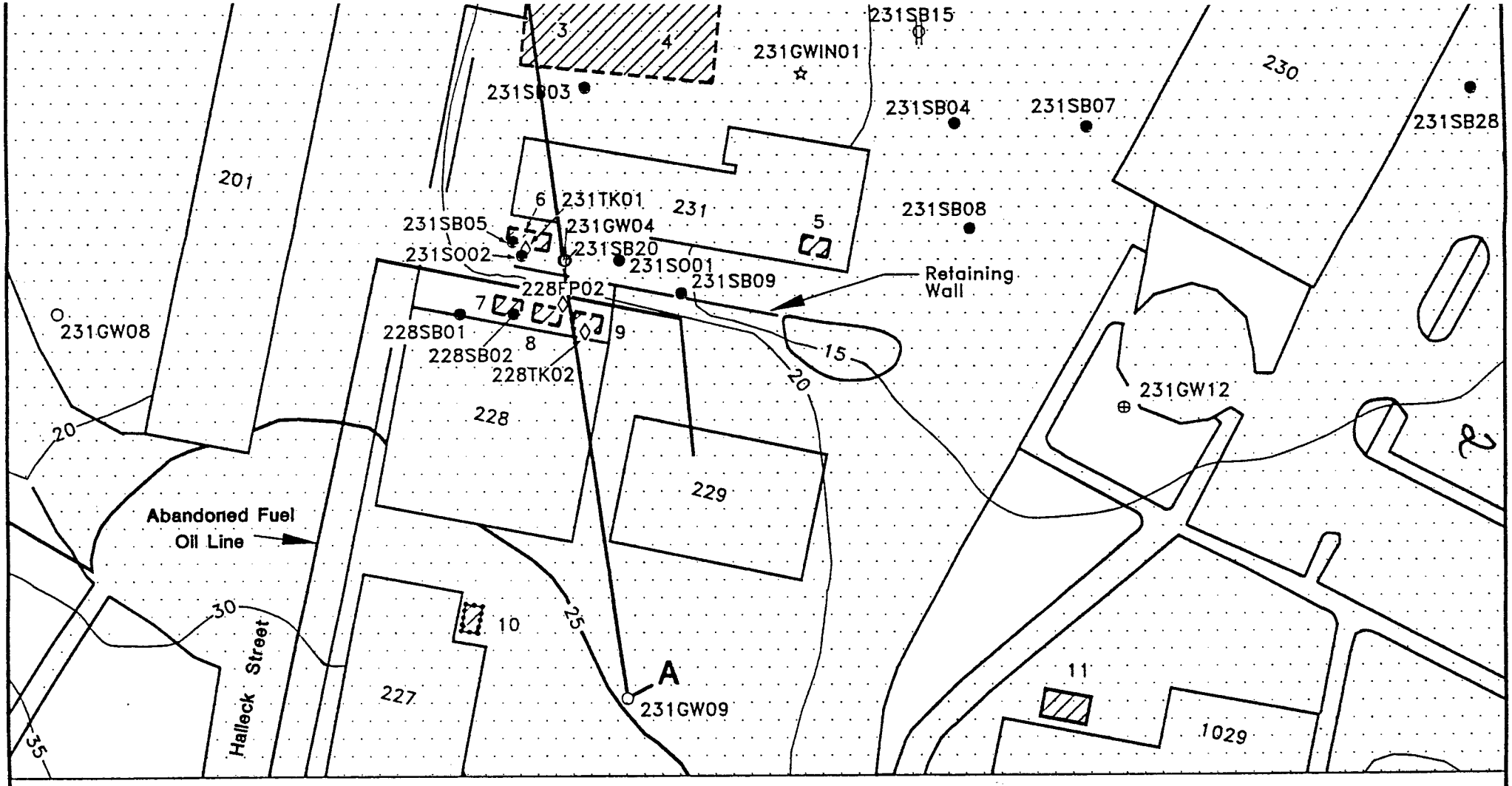
DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 215
SAMPLE LOCATIONS AND
POTENTIOMETRIC SURFACE MAP

PSF25140/DV1

Date: January 1997 | Figure 8.1–1


231GW16
(Abandoned)231GW14
A'
231GW15
231GW13
Highway 101 (Elevated)
208
231GW10
231SB12
231GW07
231SB19
231SB18
231SB10
Highway 101 (Elevated)
231SB27
231SB11
231GW03
231GW21
231SB30
Gorgas Ave
231SB31
231GW06
231GW05 (Abandoned)
231SB21
231GW20
231SB26
231GW19
231GW17
231GW11
231GW18
B
231SB14
231SB13
15
Retaining Wall
231SB16
231GWIN03
231SB06
B'
20
231SB17
231GWIN02
231GW02
1
2
3
4
231GW01
231SB29
15
231SB15
231GWIN01
231SB03
230
231SB04
231SB07
231SB28
201
6
231TK01
231
231SB05
231GW04
5
231SB08



EXPLANATION

- ● SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- ○ SHALLOW MONITORING WELL[1]
- ⊕ INTERMEDIATE MONITORING WELL[2]
- ⊖ INTERMEDIATE MONITORING WELL WITH SOIL BORING[2]
- ⊗ DEEP MONITORING WELL[3]

A A' CROSS-SECTION LINE

25 TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

SURFACES COVERED BY PAVEMENT OR BUILDINGS

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE : (1) SHALLOW WELLS ARE SCREENED WITHIN THE UPPERMOST

N

0 25 50
FEET

DAMES & MOORE

EXPLANATION

- ● SOIL BORING
- ⌽ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⌽ DISCRETE GROUNDWATER SAMPLE
- ○ SHALLOW MONITORING WELL[1]
- ⊕ INTERMEDIATE MONITORING WELL[2]
- ⊖ INTERMEDIATE MONITORING WELL WITH SOIL BORING[2]
- ⊗ DEEP MONITORING WELL[3]
- ☆ INJECTION WELL
- ◊ PRODUCT SAMPLE
- UNSUBSTANTIATED TANK LOCATIONS, SEE TABLE 8.2-1 FOR TANK NUMBERS.
- FORMER TANK LOCATIONS, SEE TABLE 8.2-1 FOR TANK NUMBERS.

A A' CROSS-SECTION LINE

—25— TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 5 FEET

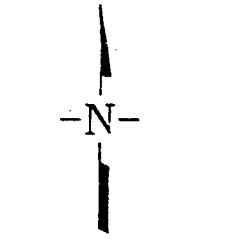
SURFACES COVERED BY PAVEMENT OR BUILDINGS

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE : (1) SHALLOW WELLS ARE SCREENED WITHIN THE UPPERMOST UNCONFINED UNIT

(2) INTERMEDIATE WELLS ARE SCREENED WITHIN THE UPPERMOST CONFINED/SEMI-CONFINED UNIT

(3) DEEP WELLS ARE SCREENED WITHIN THE (DEEPER) CONFINED/SEMI-CONFINED UNIT

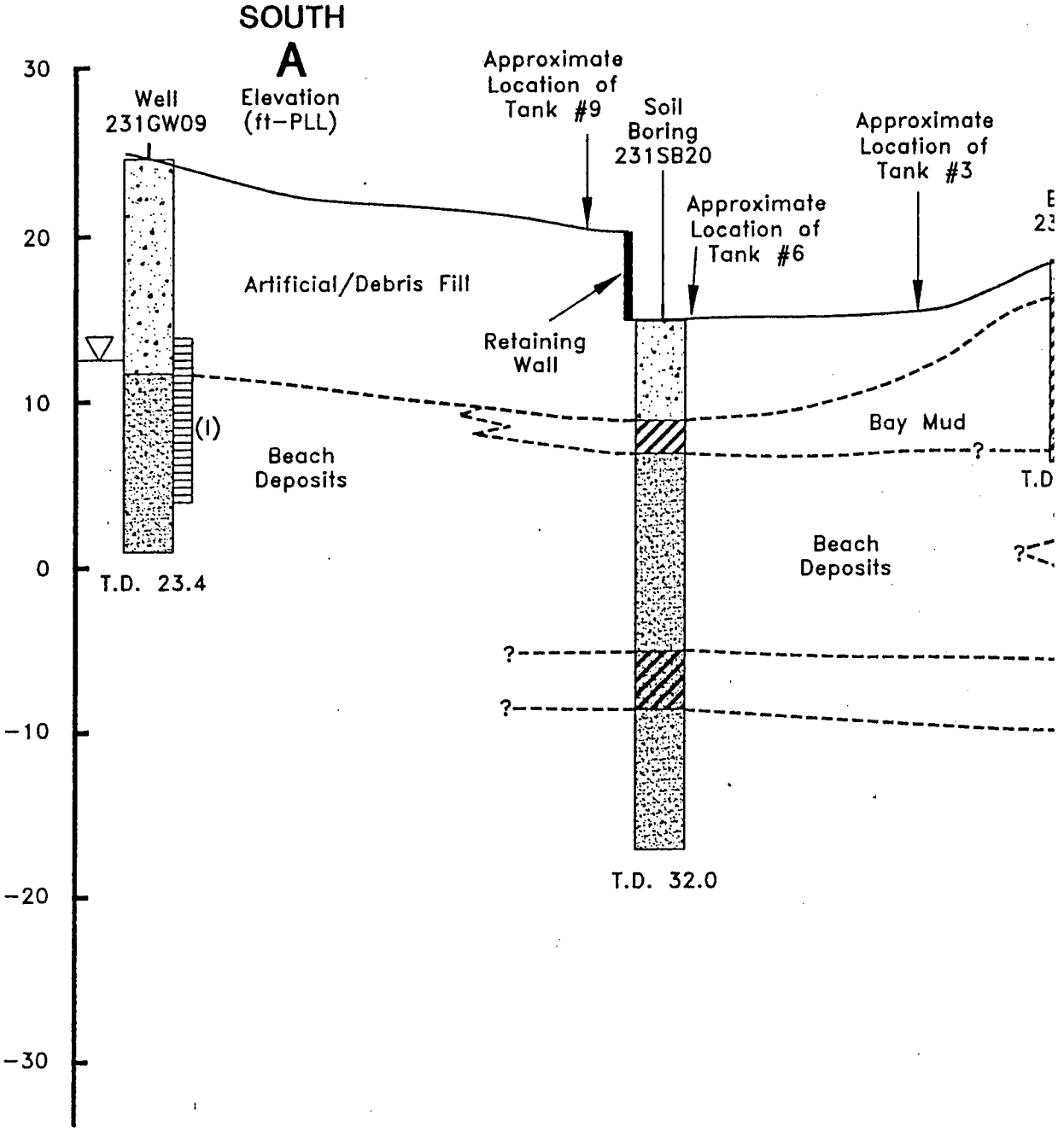


DAMES & MOORE

MAIN POST STUDY AREA BUILDING 231, SAMPLE, CROSS SECTION & TANK LOCATIONS

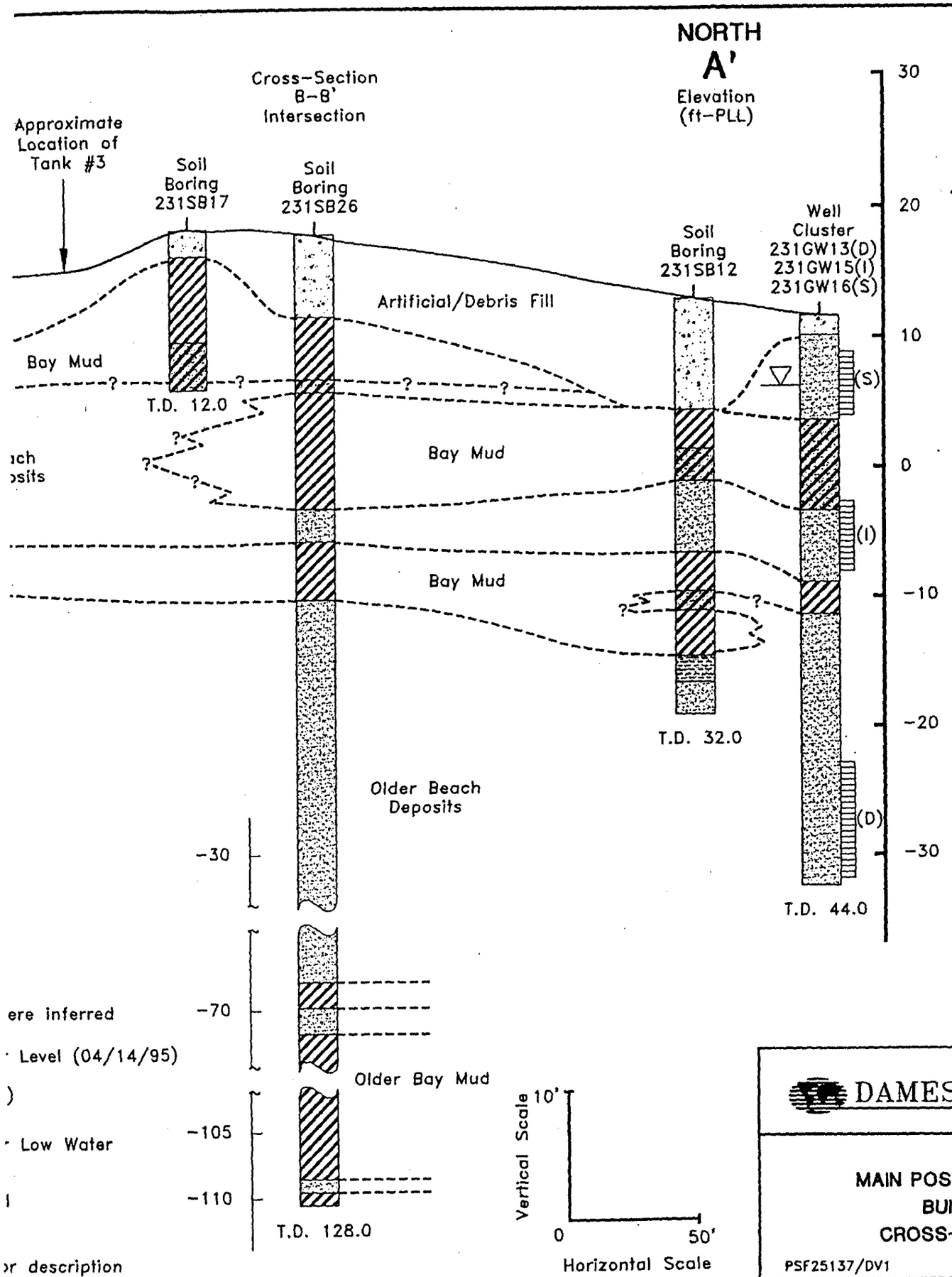
PSF25010/DV1

Date: January 1997 | Figure 8.2-1



EXPLANATION

	Artifical/Debris Fill	----------	Contact, dashed where inferred
	Clay	▽	Shallow Zone Water Level (04/14/95)
	Silt	T.D.	Total Depth (ft bgs)
	Sand	ft-PLL	feet-Presidio Lower Low Water
(S)	Shallow Well		Well Screen Interval
(I)	Intermediate Well		
(D)	Deep Well		See Table 8.2-1 for description and status of tanks



ere inferred

· Level (04/14/95)

)

· Low Water

l

or description
s

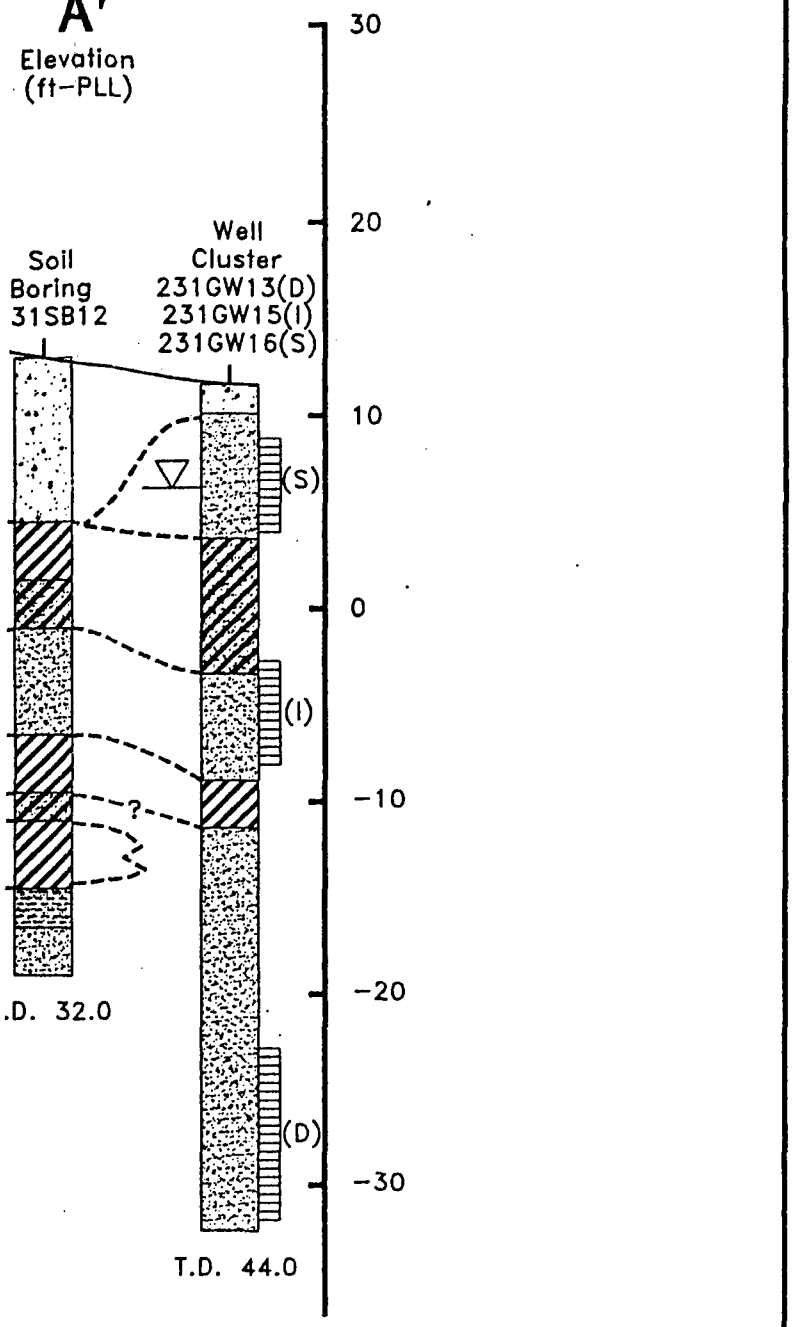
DAMES & M

MAIN POST STUDY
BUILDING 231
CROSS-SECTION

PSF25137/DV1

Date: January 1997 | Figure

3



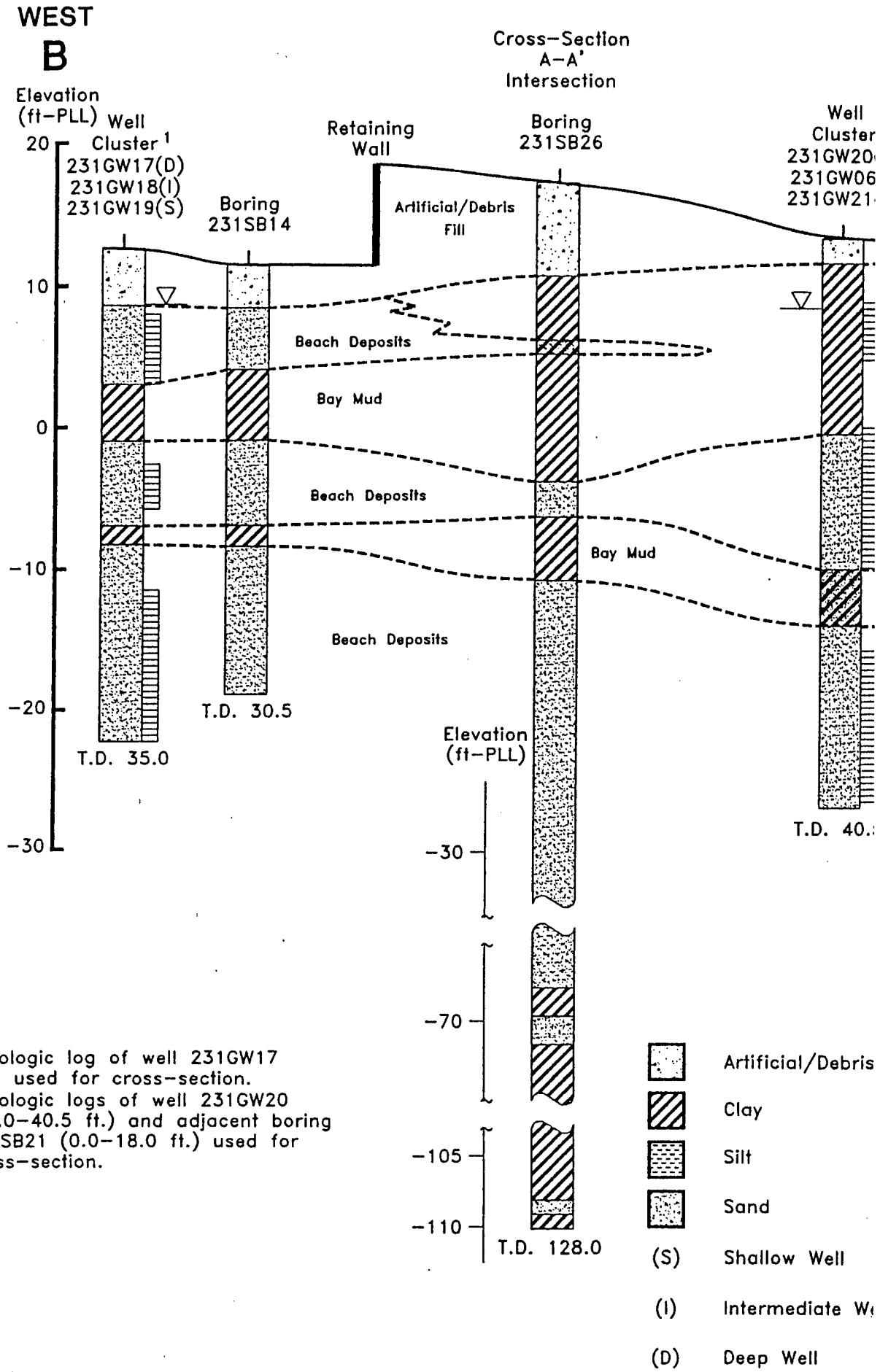
DAMES & MOORE

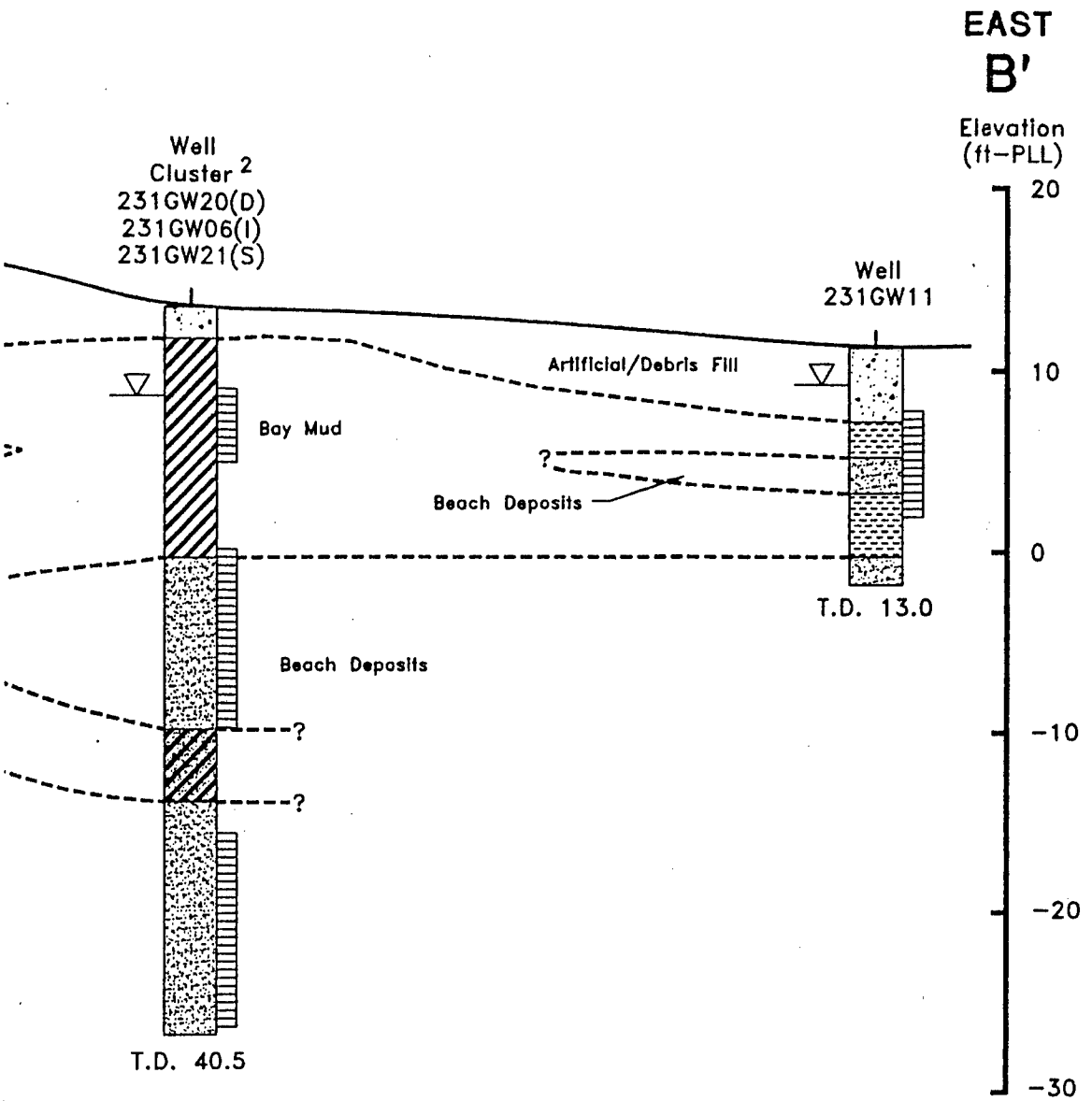
MAIN POST STUDY AREA
BUILDING 231
CROSS-SECTION A-A'

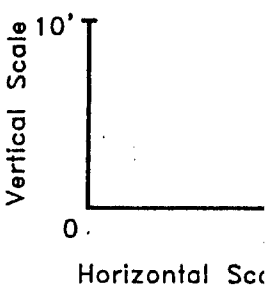
PSF25137/DV1

Date: January 1997 | Figure 8.2-2

50'
Scale


WEST
B
Elevation
(ft-PLL)
Well
Cluster 1
231GW17(D)
231GW18(I)
231GW19(S)
Boring
231SB14
Retaining
Wall
Cross-Section
A-A'
Intersection
Boring
231SB26
Well
Cluster
231GW20
231GW06
231GW21
Artificial/Debris
Fill
Beach Deposits
Bay Mud
Beach Deposits
Bay Mud
Beach Deposits
20
10
0
-10
-20
-30
T.D. 35.0
T.D. 30.5
T.D. 40.
Elevation
(ft-PLL)
-30
-70
-105
-110
T.D. 128.0
1 Lithologic log of well 231GW17 was used for cross-section.
2 Lithologic logs of well 231GW20 (18.0-40.5 ft.) and adjacent boring 231SB21 (0.0-18.0 ft.) used for cross-section.
Artificial/Debris
Clay
Silt
Sand
(S) Shallow Well
(I) Intermediate W
(D) Deep Well





EXPLANATION

Artificial/Debris Fill	----------	Contact, dashed where inferred
Clay	▽	Shallow Zone Water Level (04/14/95)
Silt	T.D.	Total Depth (ft bgs)
Sand	ft-PLL	feet-Presidio Lower Low Water
Shallow Well	(a)	Approximate location & elevation
Intermediate Well		Well Screen Interval
Deep Well		

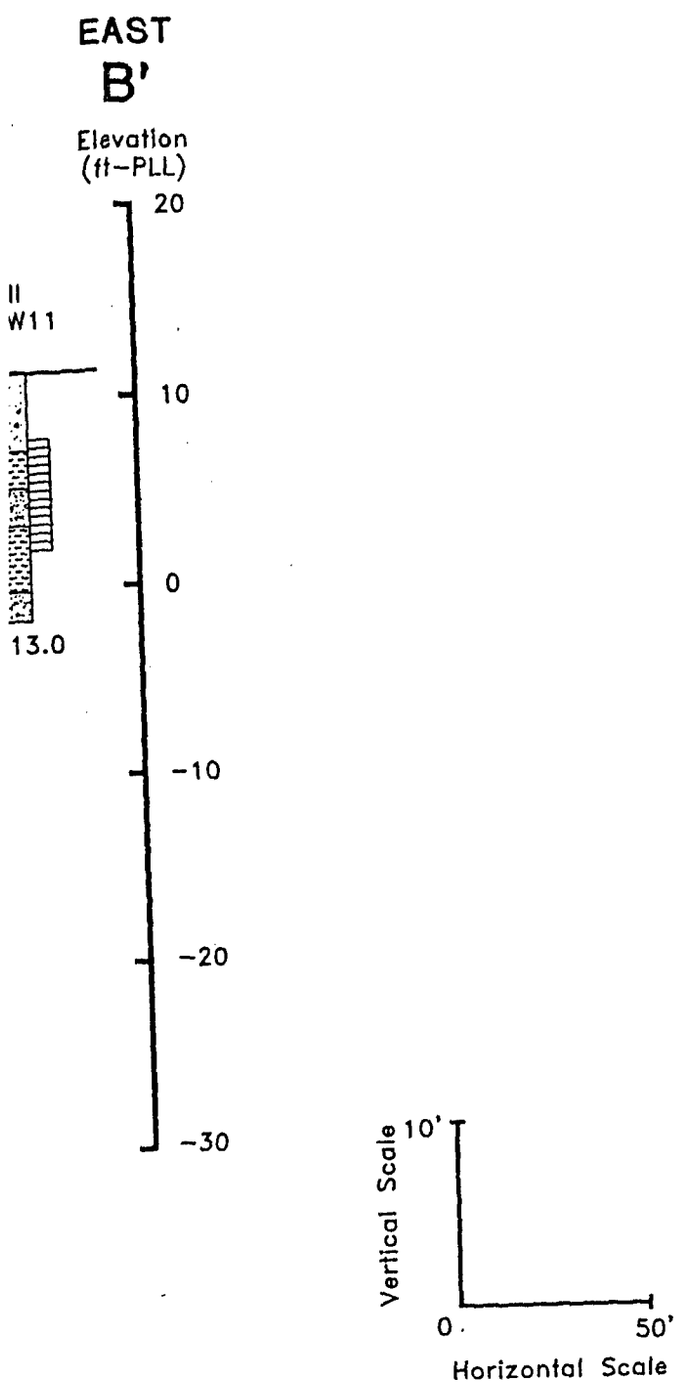
DAMES & M

MAIN POST STUDY A
BUILDING 231
CROSS-SECTION B

PSF25134/DV1

Date: January 1997 | Figure

3



nferred

l (04/14/95)

Water

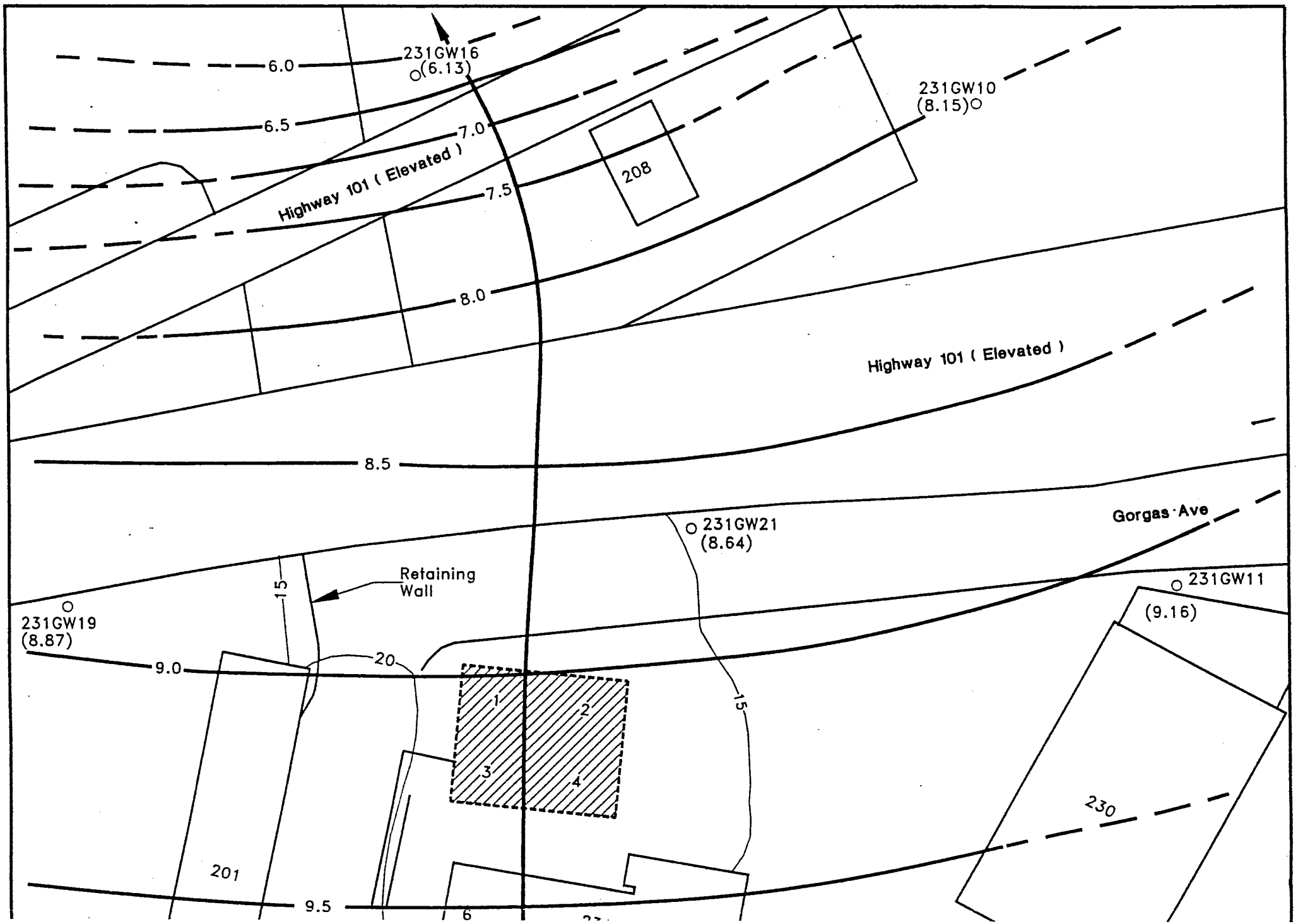
elevation

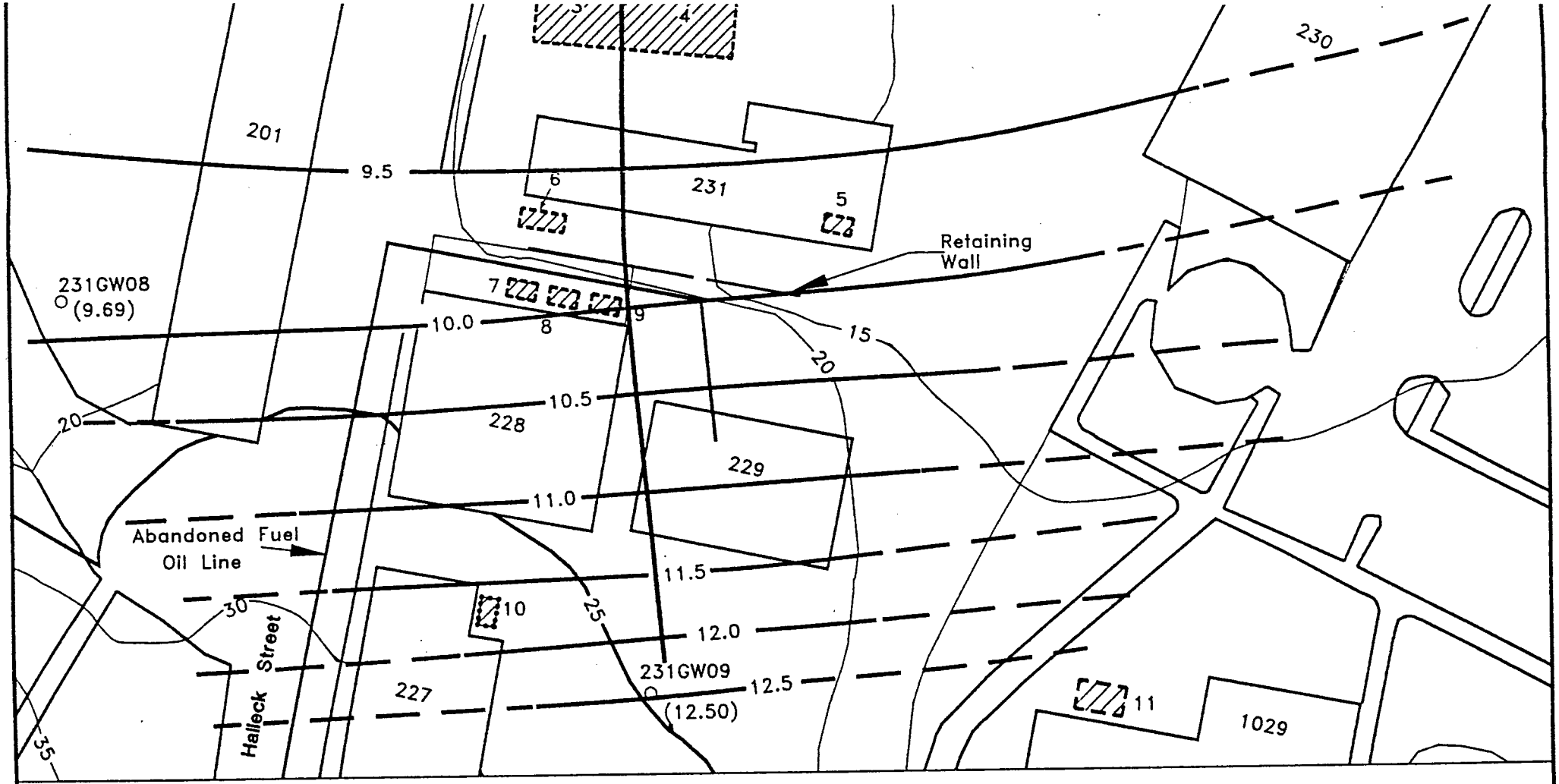
DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 231
CROSS-SECTION B-B'

PSF25134/DV1

Date: January 1997 | Figure 8.2-3


6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
231GW16
(6.13)
231GW10
(8.15)
231GW21
(8.64)
231GW19
(8.87)
231GW11
(9.16)
Highway 101 (Elevated)
Highway 101 (Elevated)
Gorgas Ave
Retaining
Wall
208
201
230
1
2
3
4
15
15
20
6



EXPLANATION

N

0 25 50
FEET

○ SHALLOW MONITORING WELL

(6.13) POTENTIOMETRIC SURFACE ELEVATION (04/14/95)

—6— EQUIPOTENTIAL CONTOUR, DASHED WHERE INFERRED CONTOUR INTERVAL 0.5 FEET

GROUNDWATER FLOW DIRECTION

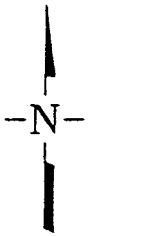
—25— TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 5 FEET

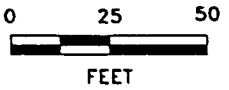
ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER (FT–PLL)

WATER LEVELS TAKEN 0925–1100 PST
LOWER–HIGH TIDE 1051 PST
5.0 FT–PLL

DAMES & MOORE

EXPLANATION





- ○ SHALLOW MONITORING WELL
- (6.13) POTENTIOMETRIC SURFACE ELEVATION (04/14/95)
- EQUIPOTENTIAL CONTOUR, DASHED WHERE INFERRED CONTOUR INTERVAL 0.5 FEET
- GROUNDWATER FLOW DIRECTION DASHED WHERE INFERRED
- UNSUBSTANTIATED TNAK LOCATIONS, SEE TABLE 8.2-1 FOR TANK NUMBERS
- FORMER TANK LOCATIONS, SEE TABLE 8.2-1 FOR TANK NUMBERS.
- —25— TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 5 FEET

ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER (FT-PLL)

WATER LEVELS TAKEN 0925-1100 PST
LOWER-HIGH TIDE 1051 PST
5.0 FT-PLL

NOTE : SHALLOW WELLS ARE SCREENED WITHIN THE UPPERMOST UNCONFINED UNIT

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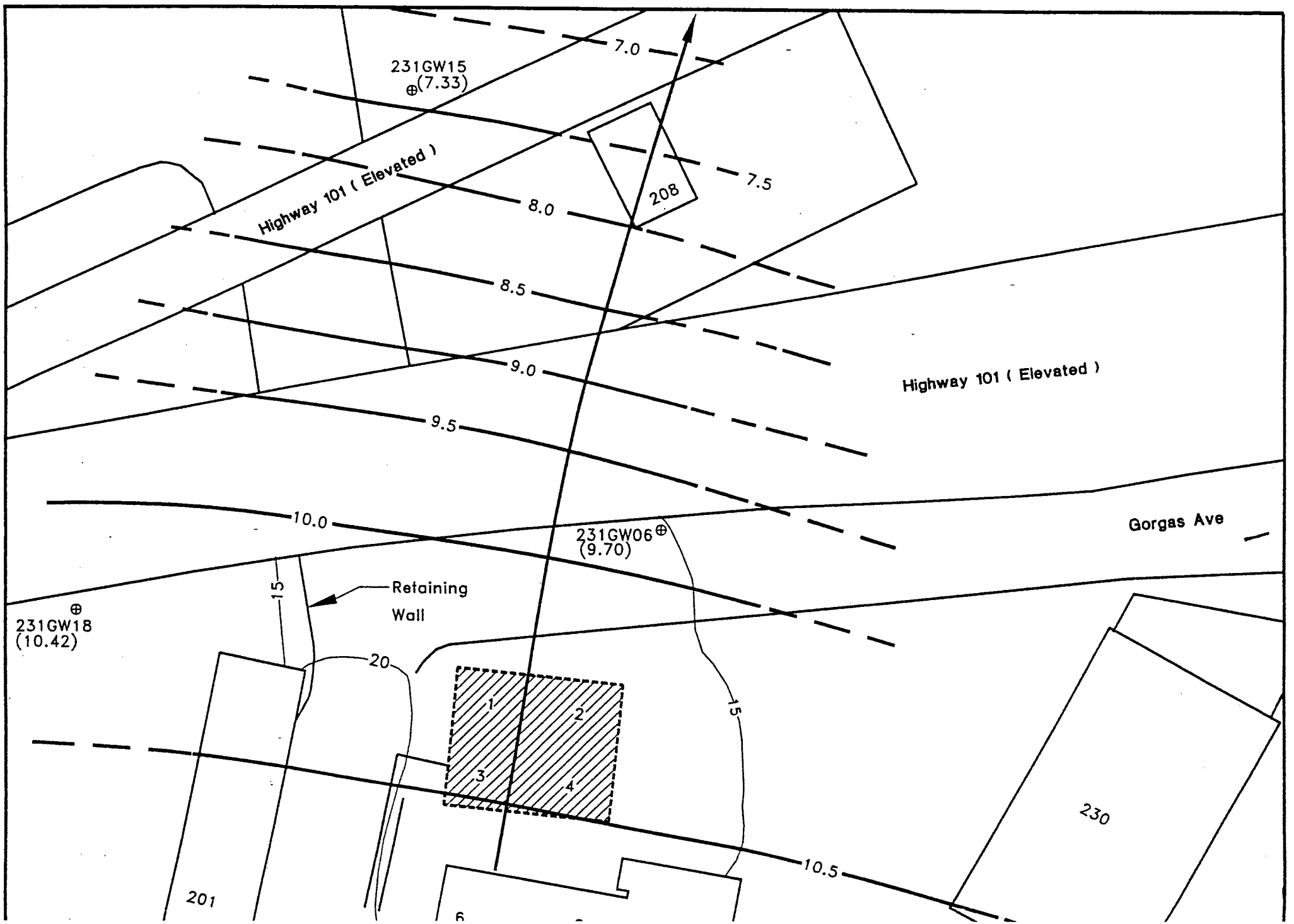
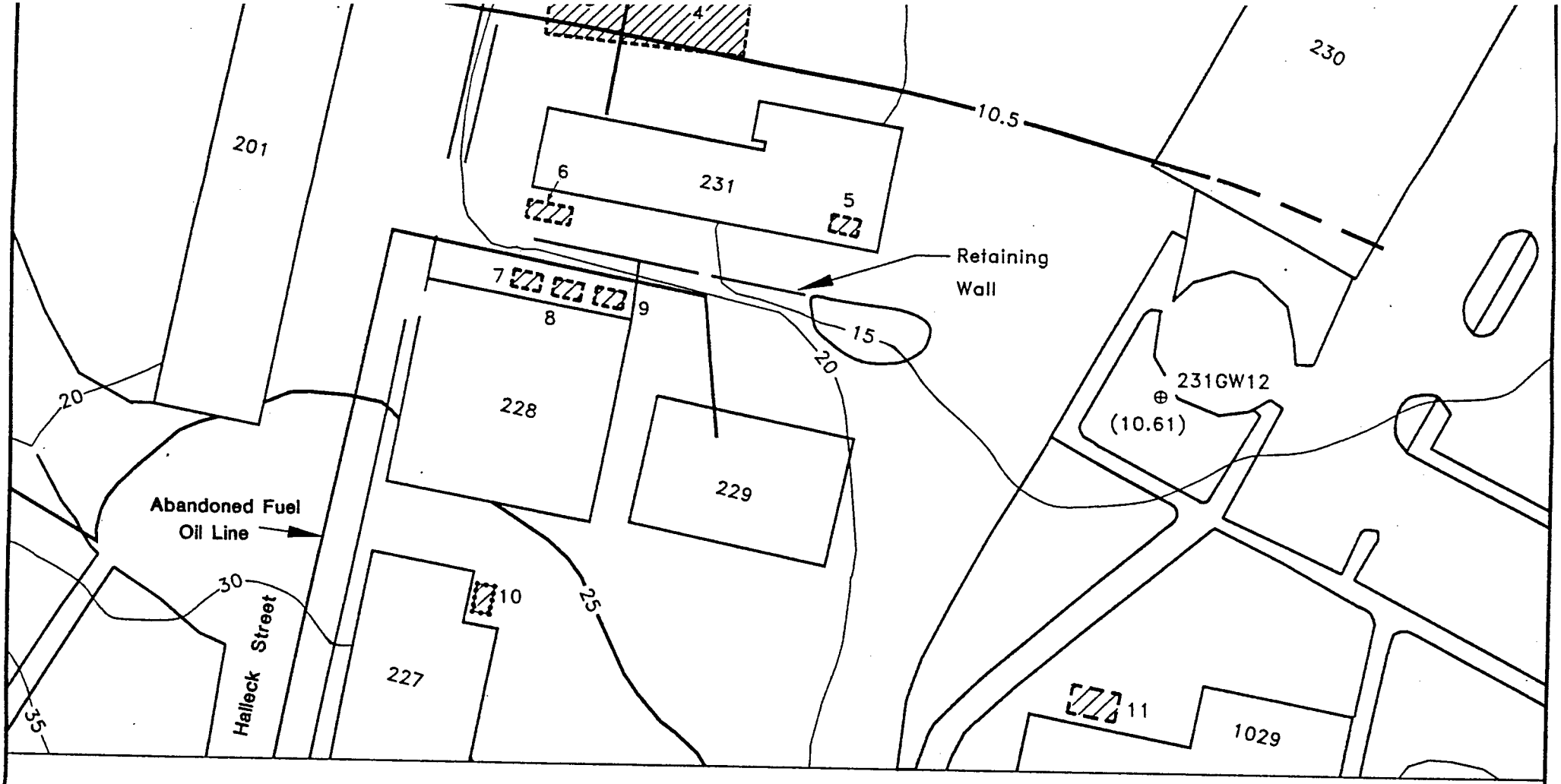
MAIN POST STUDY AREA, BUILDING 231, POTENTIOMETRIC SURFACE MAP, SHALLOW MONITORING WELLS, 1995

PSF25095/DV2

Date: January 1997 | Figure 8.2-4

3


7.0
231GW15
⊕(7.33)
7.5
Highway 101 (Elevated)
8.0
208
8.5
9.0
Highway 101 (Elevated)
9.5
10.0
231GW06⊕
(9.70)
Gorgas Ave
15
Retaining
Wall
⊕
231GW18
(10.42)
20
1
2
3
4
15
230
10.5
201
6



EXPLANATION

⊕ INTERMEDIATE MONITORING WELL

—25— TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(6.43) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)

ELEVATIONS IN
FEET–PRESIDIO LOWER LOW WATER (FT–PLL)

--6-- EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.5 FEET

GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED

WATER LEVELS TAKEN 0930–1040 PST
LOWER–HIGH TIDE 1051 PST
5.0 FT–PLL

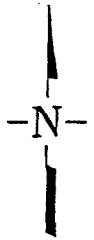
–N–

0 25 50
FEET

DAMES & MOORE

2

EXPLANATION

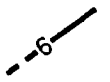


⊕ INTERMEDIATE MONITORING WELL

—25— TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(6.43) POTENTIOMETRIC SURFACE ELEVATION (04/14/95)

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER (FT–PLL)



EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.5 FEET

GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED

WATER LEVELS TAKEN 0930–1040 PST
LOWER–HIGH TIDE 1051 PST
5.0 FT–PLL

UNSUBSTANTIATED TANK LOCATIONS,
SEE TABLE 8.2–1 FOR TANK NUMBERS.

FORMER TANK LOCATIONS, SEE TABLE 8.2–1
FOR TANK NUMBERS.

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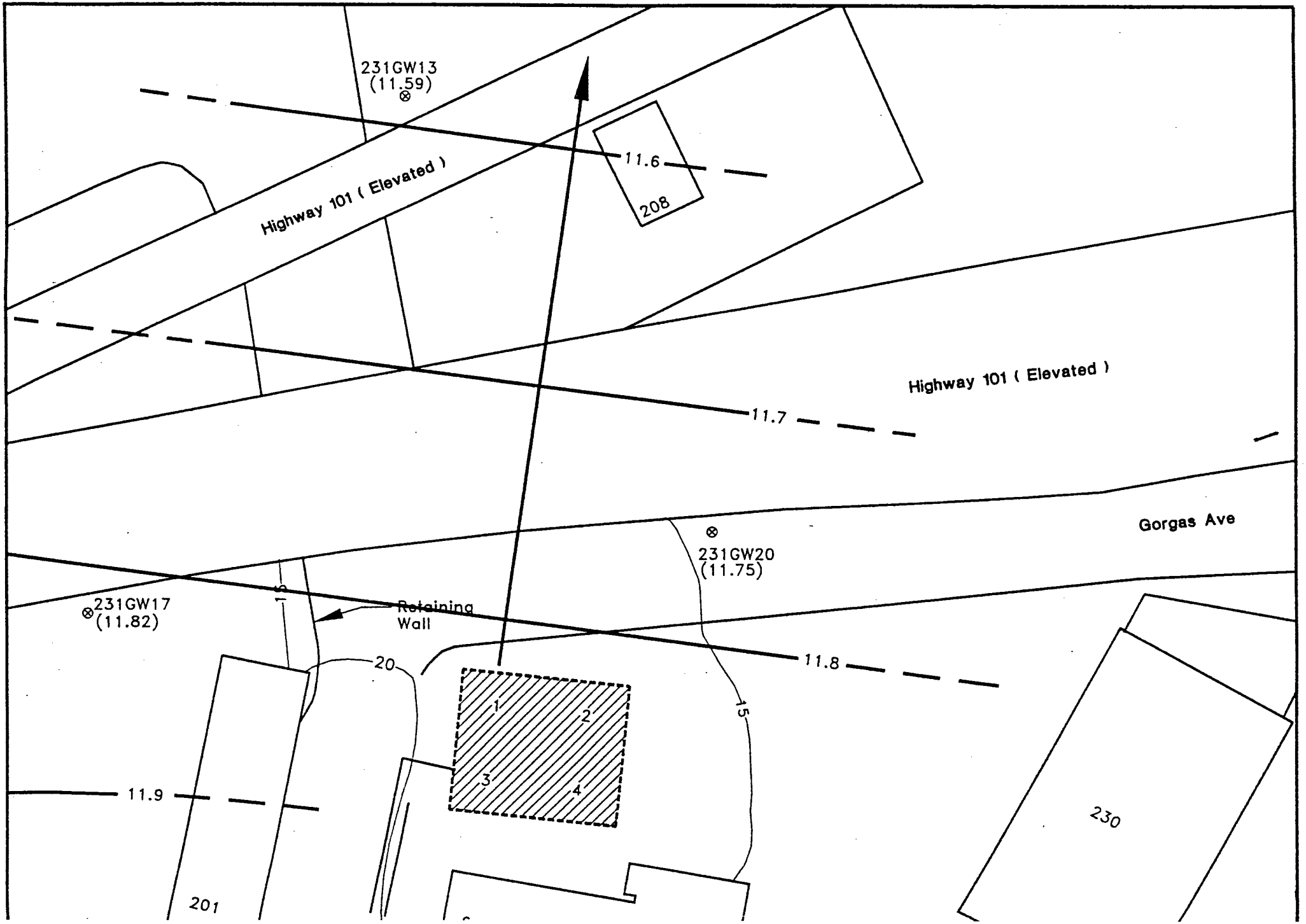
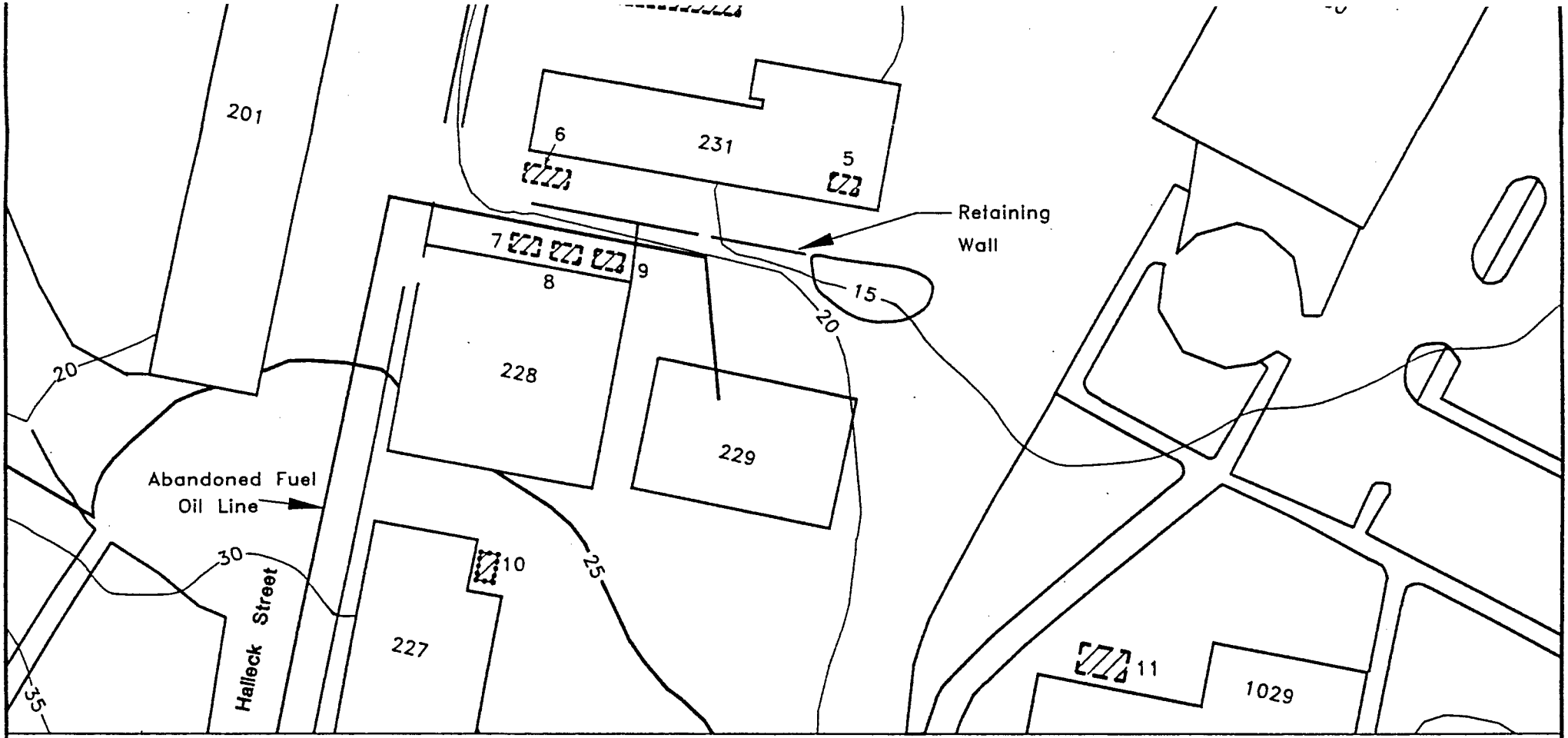
**MAIN POST STUDY AREA,
BUILDING 231,
POTENTIOMETRIC SURFACE MAP,
INTERMEDIATE MONITORING WELLS, 1995**

PSF25096/DV3

Date: January 1997 | Figure 8.2–5

3


231GW13
(11.59)
11.6
208
Highway 101 (Elevated)
11.7
Highway 101 (Elevated)
Gorgas Ave
231GW20
(11.75)
231GW17
(11.82)
Retaining
Wall
11.8
20
15
1
2
3
4
11.9
201
230



EXPLANATION

⊗ DEEP MONITORING WELL

—25— TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(11.84) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)

ELEVATIONS IN
FEET–PRESIDIO LOWER LOW WATER (FT–PLL)

--11.8-- EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.1 FEET

WATER LEVELS TAKEN 0929–1057 PST
LOWER–HIGH TIDE 1051 PST
5.0 FT–PLL

GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED

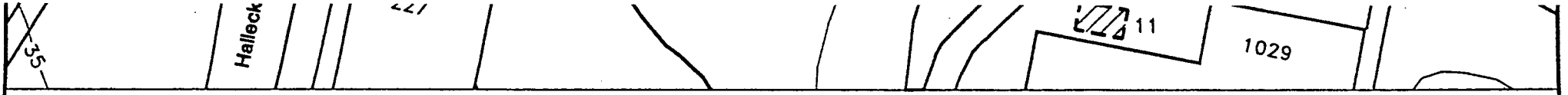
–N–

0 25 50
FEET

DAMES & MOORE

MAIN POST STUDY AREA,
BUILDING 231,

2



EXPLANATION

⊗ DEEP MONITORING WELL

—25— TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(11.84) POTENTIOMETRIC SURFACE ELEVATION (04/14/95)

ELEVATIONS IN
FEET–PRESIDIO LOWER LOW WATER (FT–PLL)

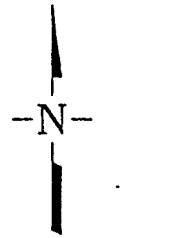
--11.8 EQUIPOTENTIAL CONTOUR, DASHED WHERE INFERRED
CONTOUR INTERVAL 0.1 FEET

WATER LEVELS TAKEN 0929–1057 PST
LOWER–HIGH TIDE 1051 PST
5.0 FT–PLL

GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED

UNSUBSTANTIATED TANK LOCATIONS,
SEE TABLE 8.2–1 FOR TANK NUMBERS.

FORMER TANK LOCATIONS, SEE TABLE 8.2–1
FOR TANK NUMBERS.



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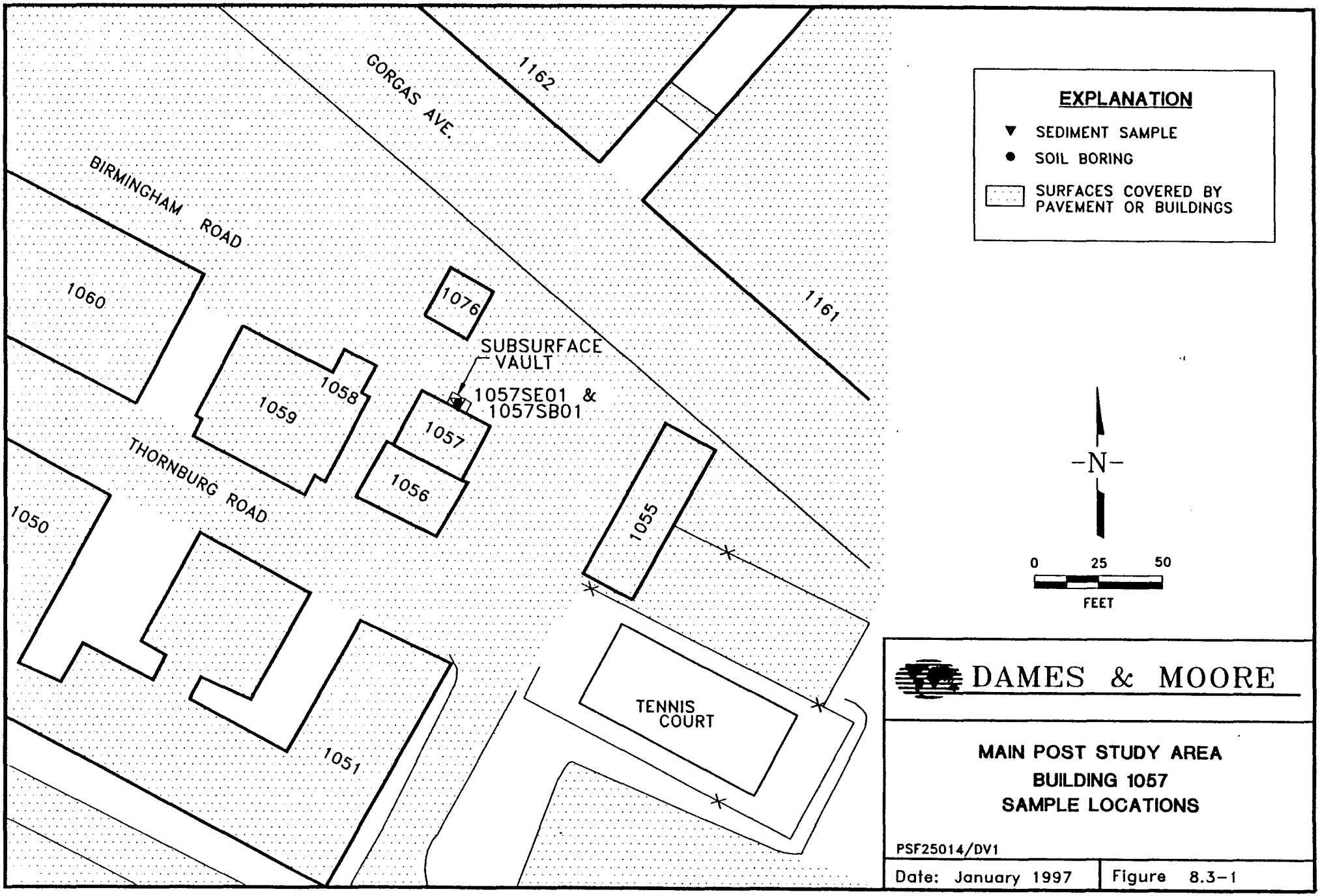
**MAIN POST STUDY AREA,
BUILDING 231,
POTENTIOMETRIC SURFACE MAP,
DEEP MONITORING WELLS, 1995**

PSF25097/DV2

Date: January 1997 | Figure 8.2–6

6



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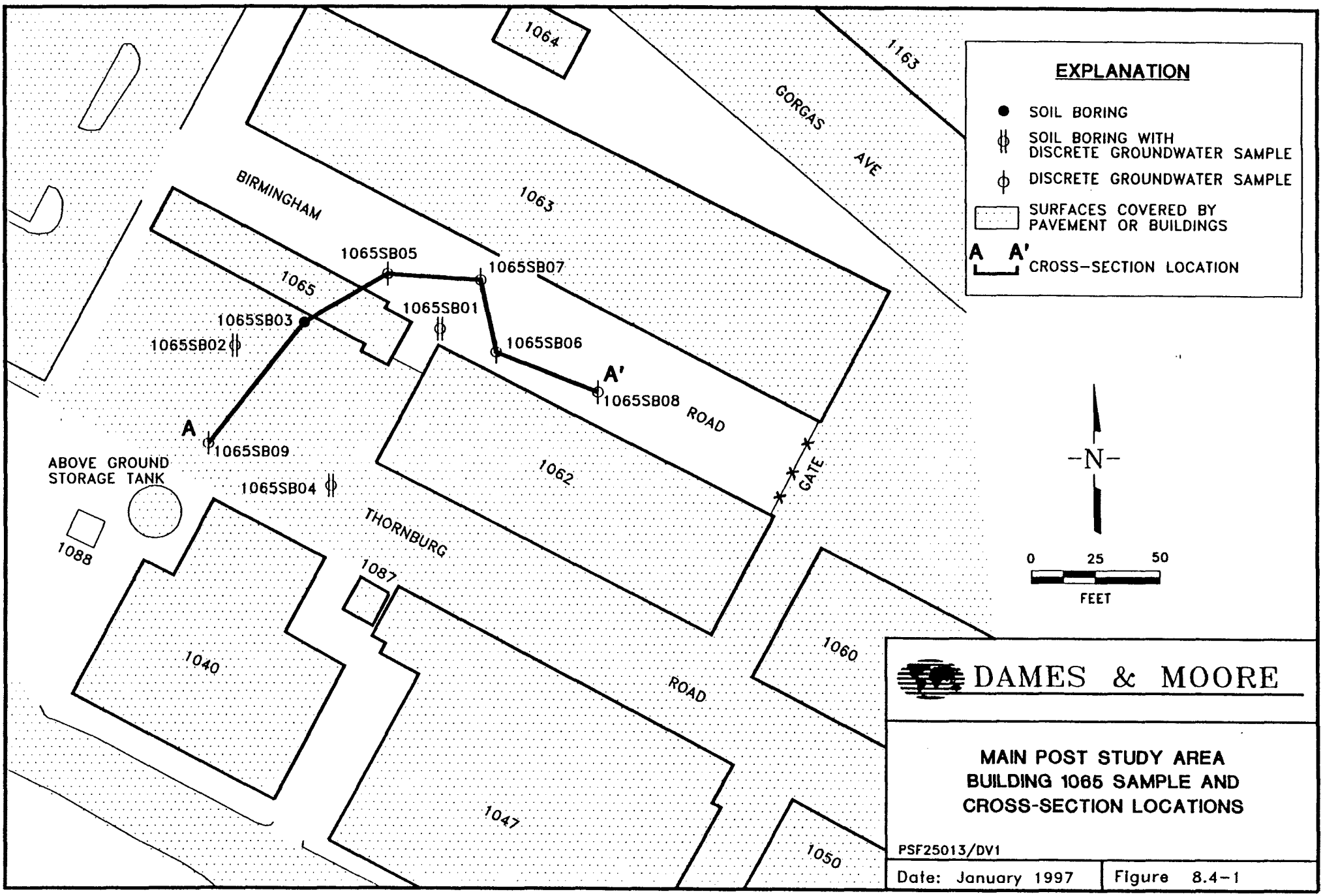
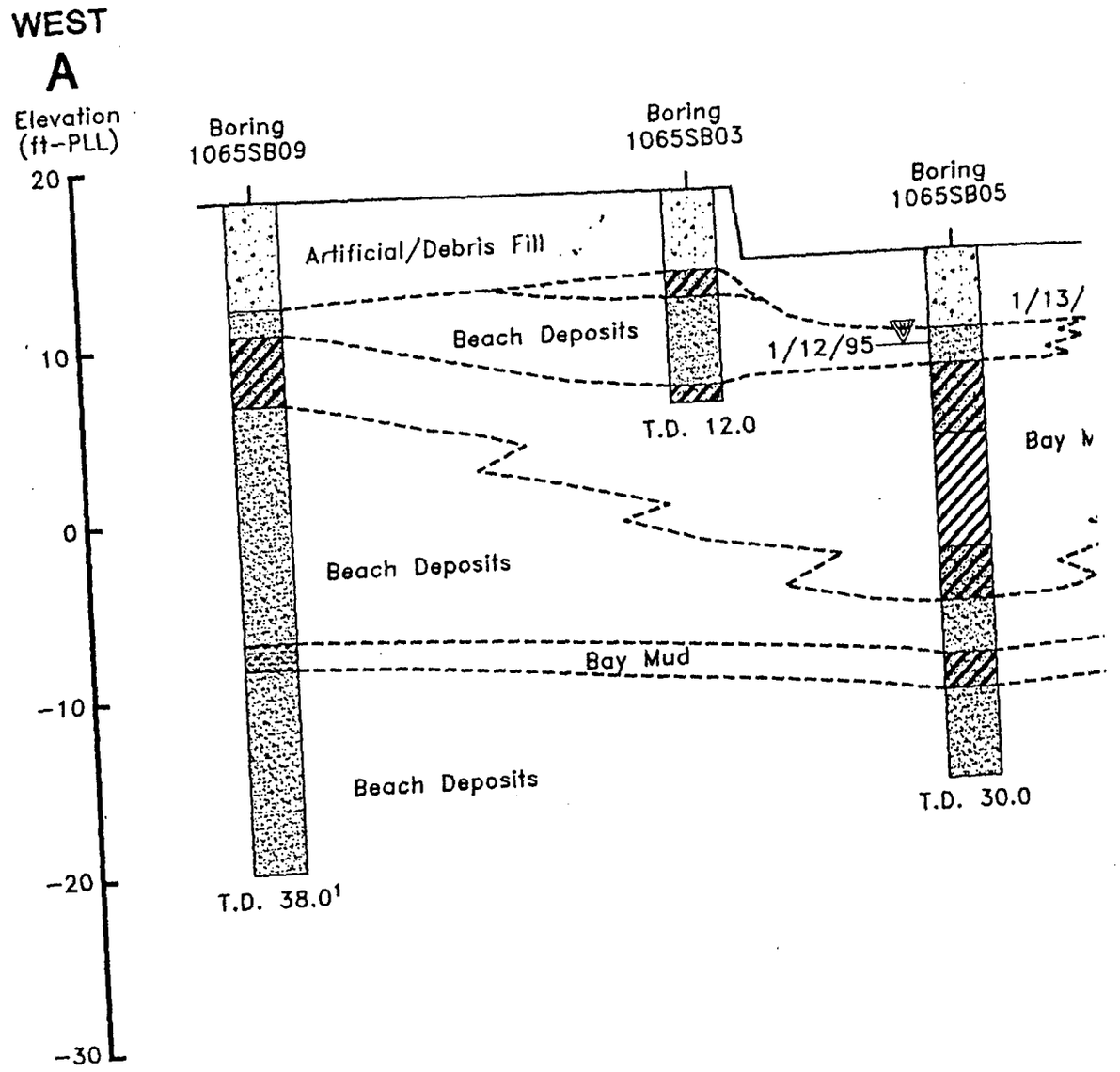
MAIN POST STUDY AREA
BUILDING 1057
SAMPLE LOCATIONS

PSF25014/DV1

Date: January 1997

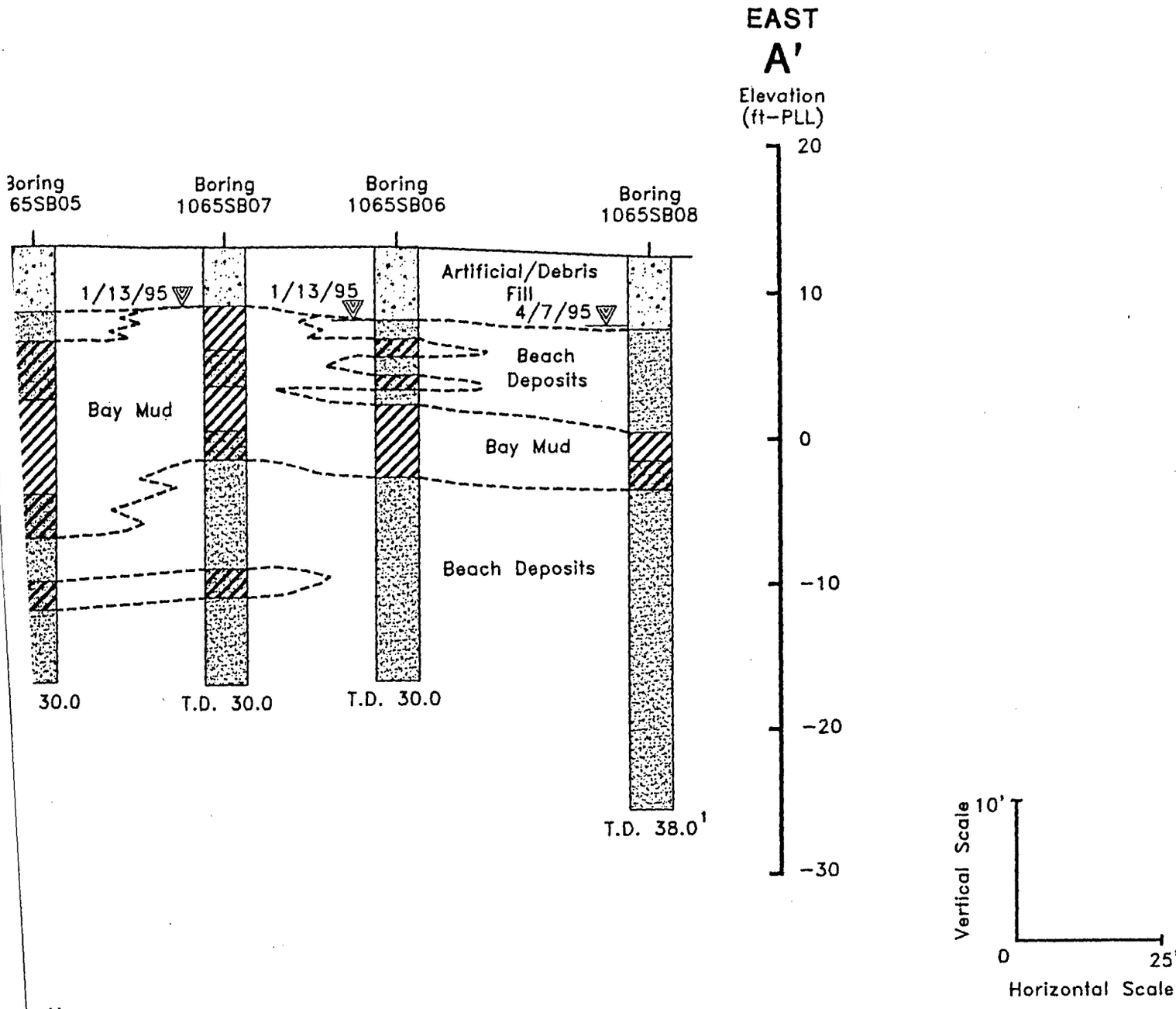
Figure 8.3-1


EXPLANATION
SOIL BORING
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
DISCRETE GROUNDWATER SAMPLE
SURFACES COVERED BY PAVEMENT OR BUILDINGS
A A' CROSS-SECTION LOCATION
1064
1163
GORGAS AVE
1063
BIRMINGHAM
1065SB05
1065SB07
1065
1065SB01
1065SB03
1065SB02
1065SB06
A'
1065SB08
ROAD
A
1065SB09
ABOVE GROUND STORAGE TANK
1065SB04
1062
GATE
THORNBURG
1088
1087
1040
1060
ROAD
1047
1050
-N-
0 25 50
FEET
DAMES & MOORE
MAIN POST STUDY AREA
BUILDING 1065 SAMPLE AND
CROSS-SECTION LOCATIONS
PSF25013/DV1
Date: January 1997
Figure 8.4-1



EXPLANATION

- Artificial/Debris Fill
- Clay
- Silt
- Sand
- Con
- App
  Mea
- T.D. Tot
- ft-PLL fee
- 1 Tot



N

— Contact, dashed where inferred

– Approximate Water Level Measured During Drilling

'. Total Depth (ft bgs)

.L feet-Presidio Lower Low Water

Total Logged Depth

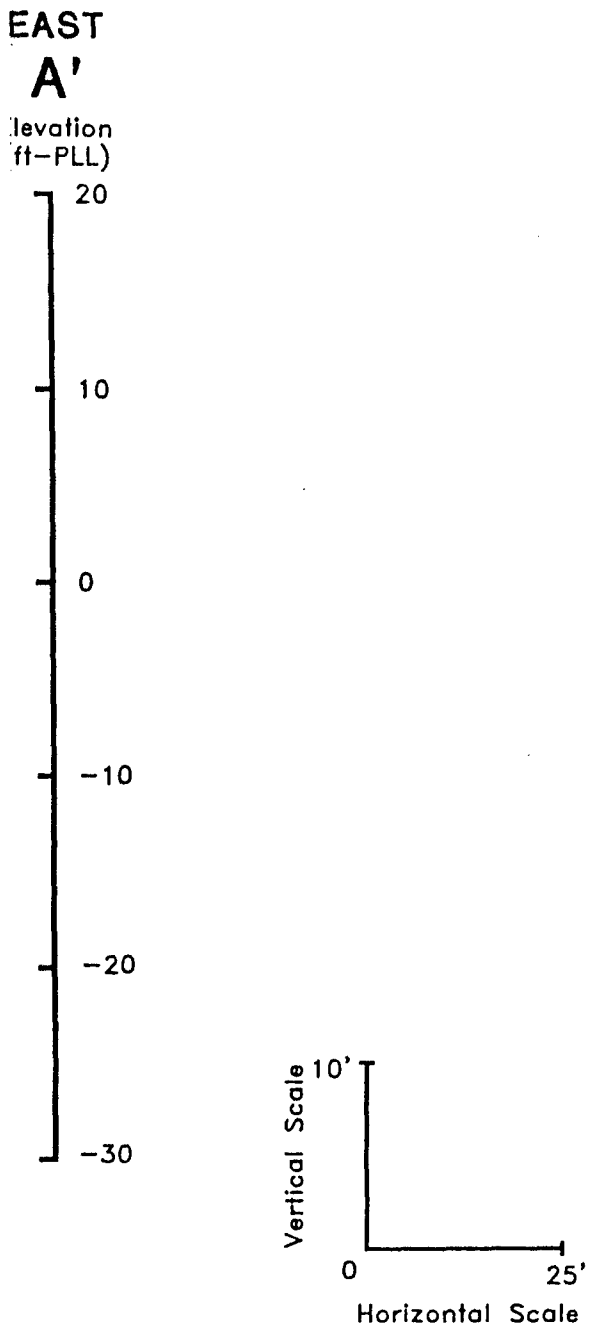
DAMES & MOORI

MAIN POST STUDY AREA
BUILDING 1065
CROSS-SECTION A-A'

PSF25139/DV1

Date: January 1997 | Figure 8.4-2

3

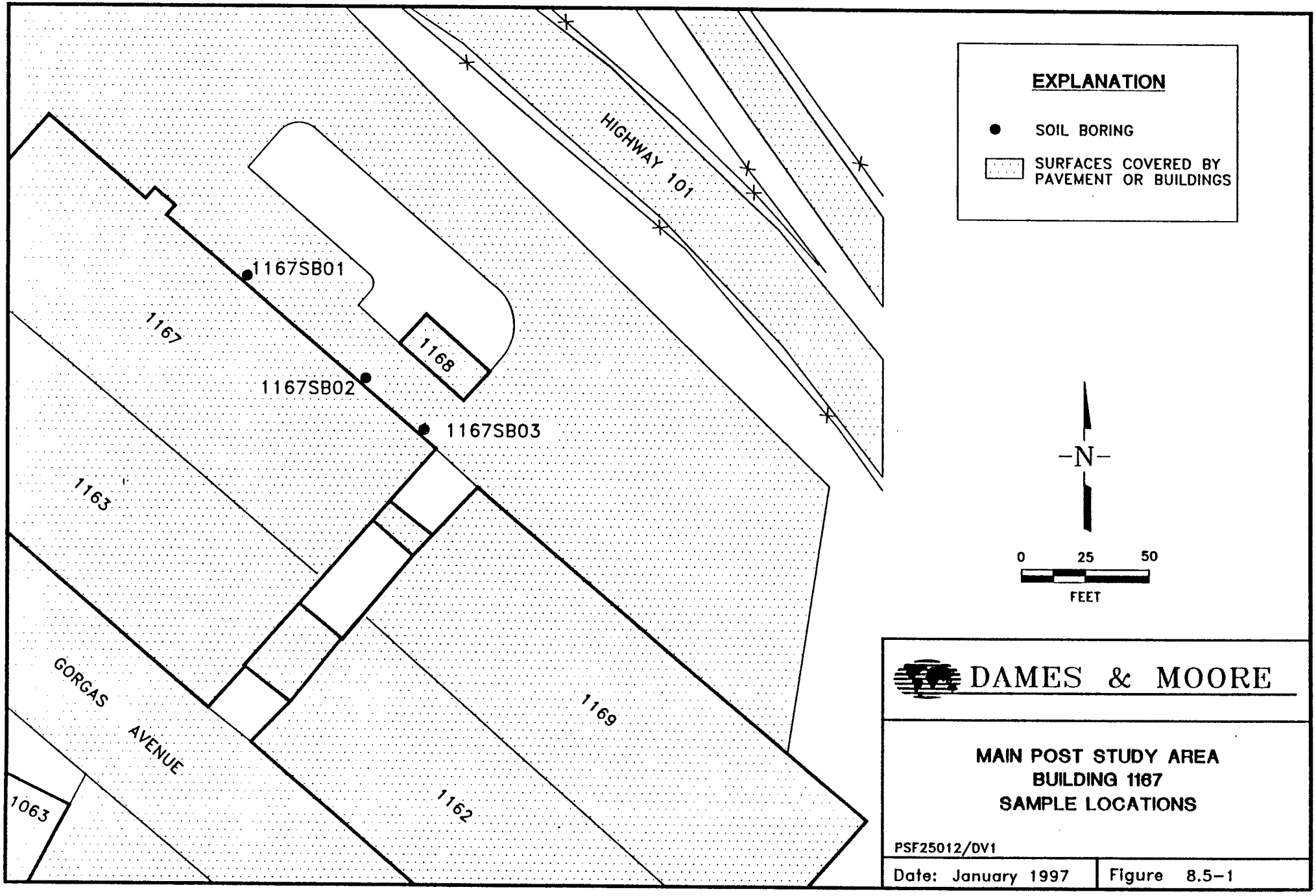


DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 1065
CROSS-SECTION A-A'

PSF25139/DV1

Date: January 1997 | Figure 8.4-2

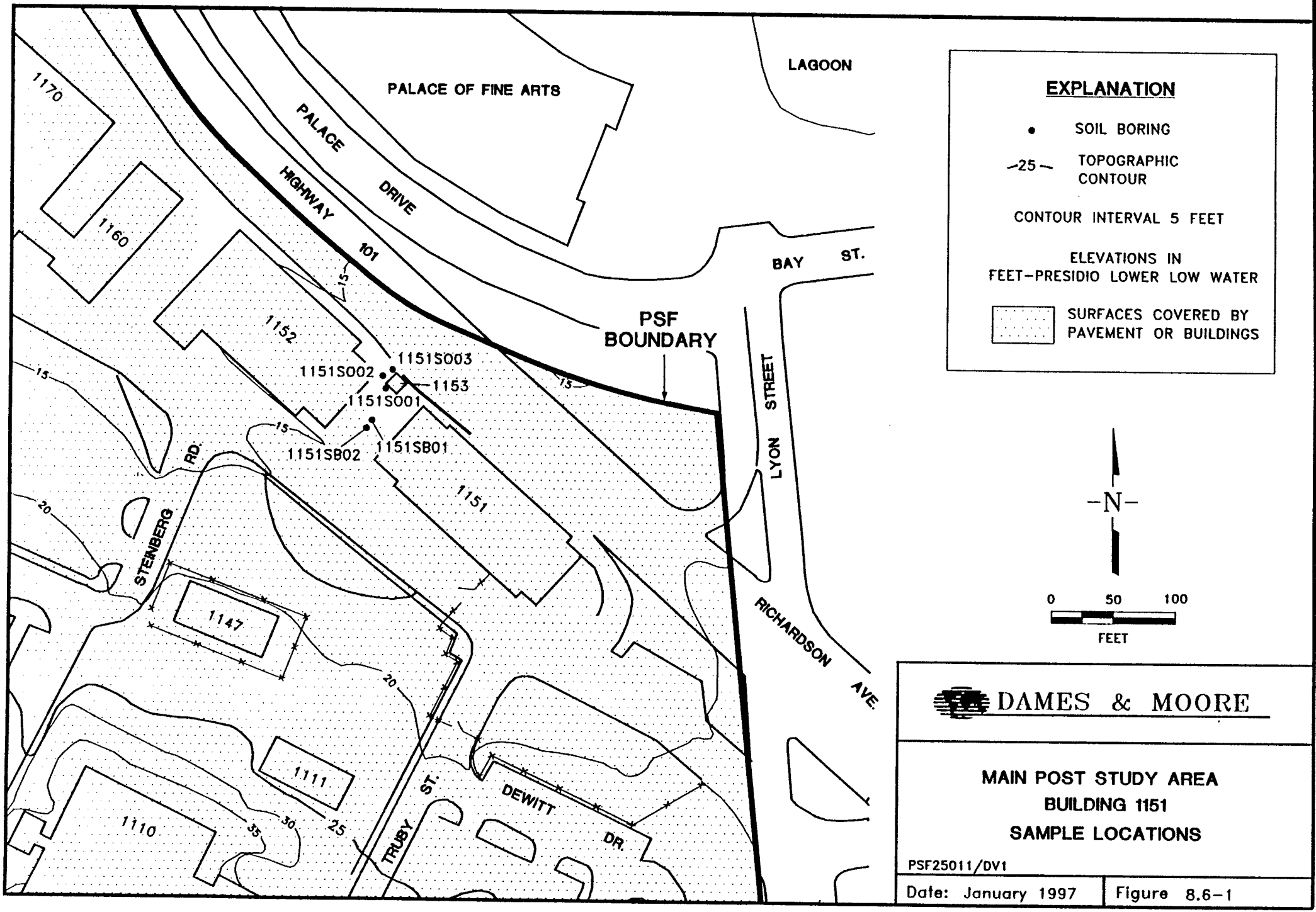


DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 1167
SAMPLE LOCATIONS

PSF25012/DV1

Date: January 1997 | Figure 8.5-1

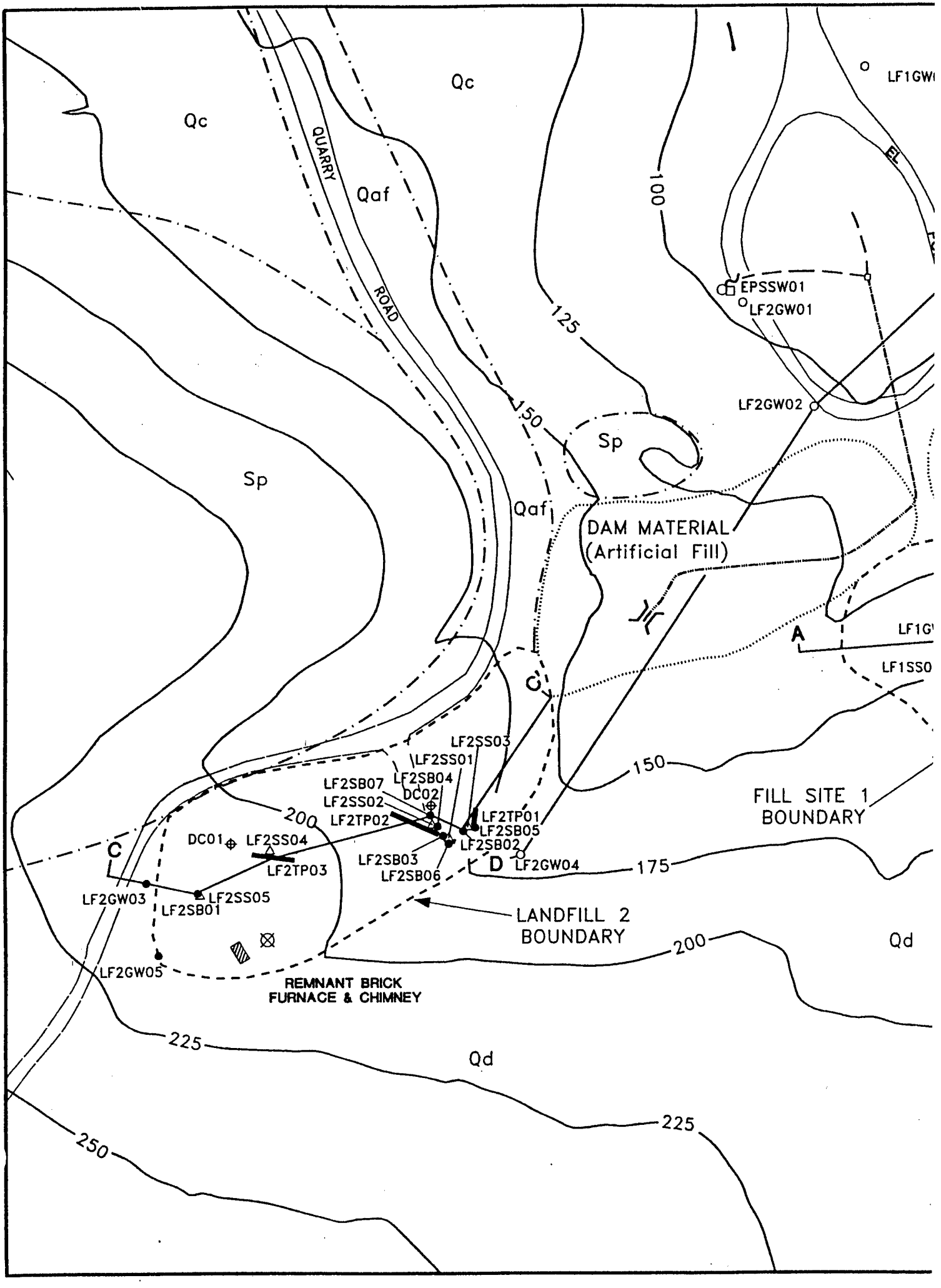


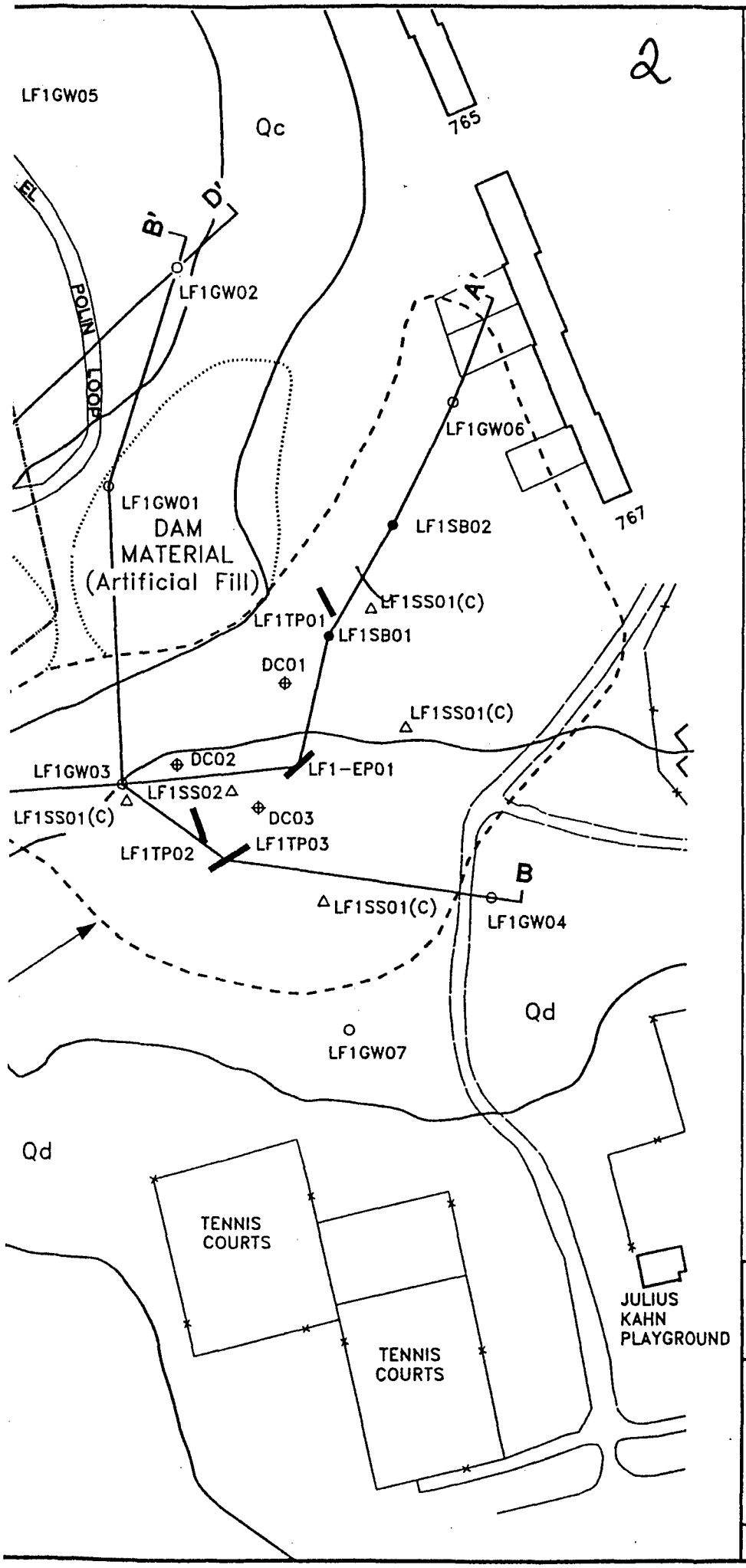
DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 1151
SAMPLE LOCATIONS

PSF25011/DV1

Date: January 1997 | Figure 8.6-1


Qc
Qc
QUARRY
ROAD
Qaf
100
125
150
EPSSW01
LF2GW01
LF2GW02
Sp
Sp
Qaf
DAM MATERIAL
(Artificial Fill)
A
LF1SS0
C
C'
LF2SS03
LF2SS01
LF2SB04
LF2SB07
DC02
LF2SS02
LF2TP02
LF2TP01
LF2SB05
LF2SB02
150
FILL SITE 1
BOUNDARY
200
DC01
LF2SS04
LF2TP03
LF2SB03
LF2SB06
D
LF2GW04
175
C
LF2GW03
LF2SS05
LF2SB01
LANDFILL 2
BOUNDARY
Qd
200
LF2GW05
REMNANT BRICK
FURNACE & CHIMNEY
225
Qd
225
250



EXPLANATION

- △ SURFACE SOIL SAMPLE (C) = COMPOSITE
- ▬ TEST PIT
- ● SOIL BORING
- ○ MONITORING WELL
- □ SURFACE WATER SAMPLE
- ⊕ RESISTIVITY MEASUREMENT
- ~— EL POLIN SPRING & STREAM CHANNEL
- — — EPHEMERAL STREAM CHANNEL (APPROXIMATE LOCATION)
- A A' CROSS SECTION LINE
- 250 TOPOGRAPHIC CONTOUR
- — · — · — LITHOLOGIC CONTACT
- ..... DAM MATERIAL BOUNDARY
- Qaf ARTIFICIAL FILL
- Qc COLMA FORMATION
- Qd DUNE SAND
- Sp SERPENTINITE

CONTOUR INTERVAL 25 FEET

ELEVATION IN FEET–PRESIDIO LOWER LOW WATER

NOTE: LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DA FOR DETAILS.

-N-

0 50 100

FEET

DAMES & MOORE

FILL SITE 1 & LANDFILL 2

SAMPLE & CROSS SECTION LOCATION

PSF25004/DV1

Date: January 1997 | Figure 9.1-1

3

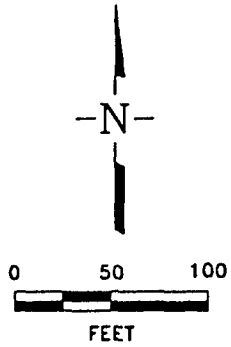
EXPLANATION

△	SURFACE SOIL SAMPLE (C) = COMPOSITE
▬	TEST PIT
●	SOIL BORING
○	MONITORING WELL
□	SURFACE WATER SAMPLE
⊕	RESISTIVITY MEASUREMENT
~— —	EL POLIN SPRING & STREAM CHANNEL
———	EPHEMERAL STREAM CHANNEL (APPROXIMATE LOCATION)
A A'	CROSS SECTION LINE
250	TOPOGRAPHIC CONTOUR
—·—·—	LITHOLOGIC CONTACT
.....	DAM MATERIAL BOUNDARY
Qaf	ARTIFICIAL FILL
Qc	COLMA FORMATION
Qd	DUNE SAND
Sp	SERPENTINITE

CONTOUR INTERVAL 25 FEET

ELEVATION IN FEET–PRESIDIO LOWER LOW WATER

NOTE: LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



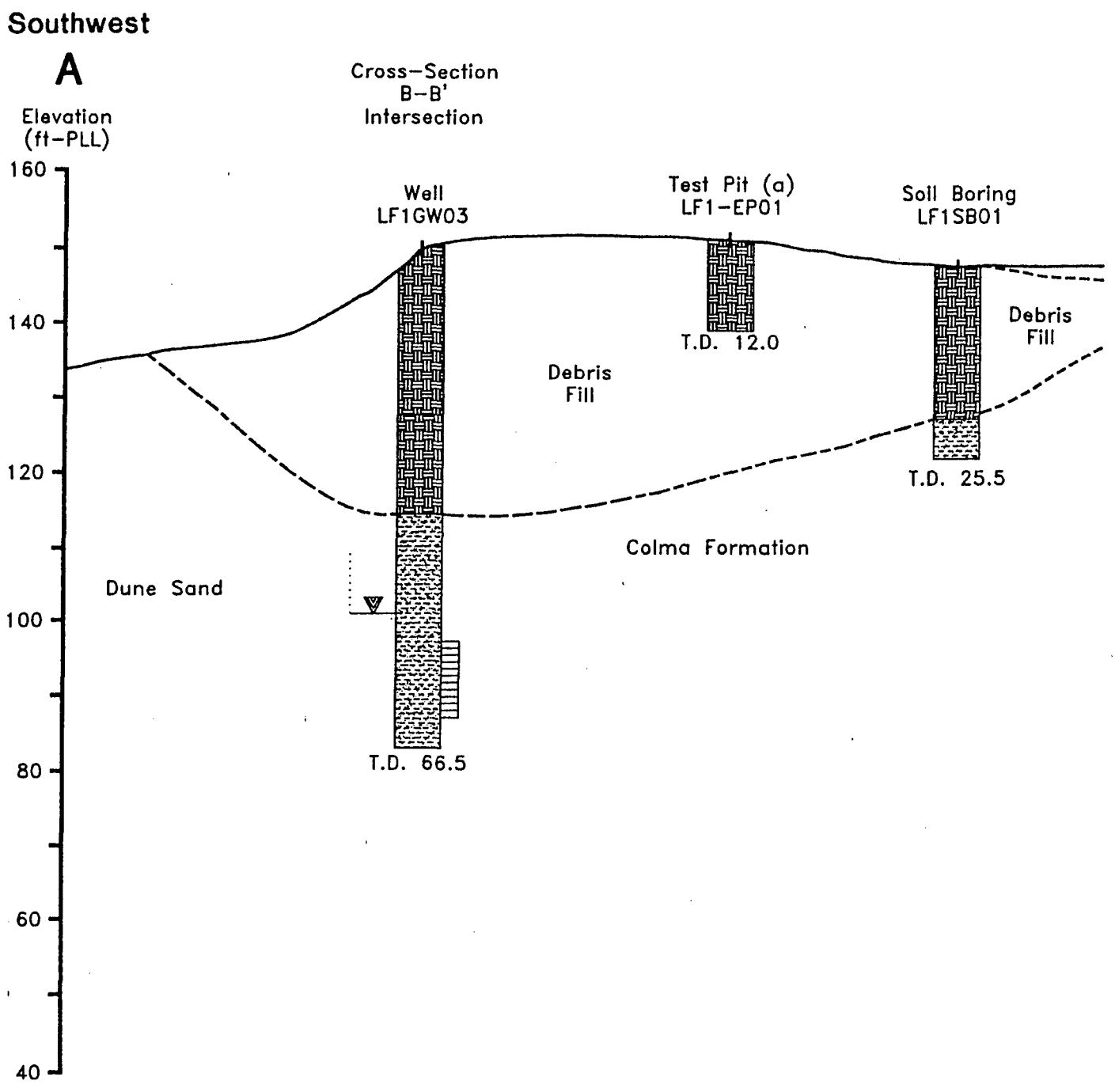
DAMES & MOORE

FILL SITE 1 & LANDFILL 2

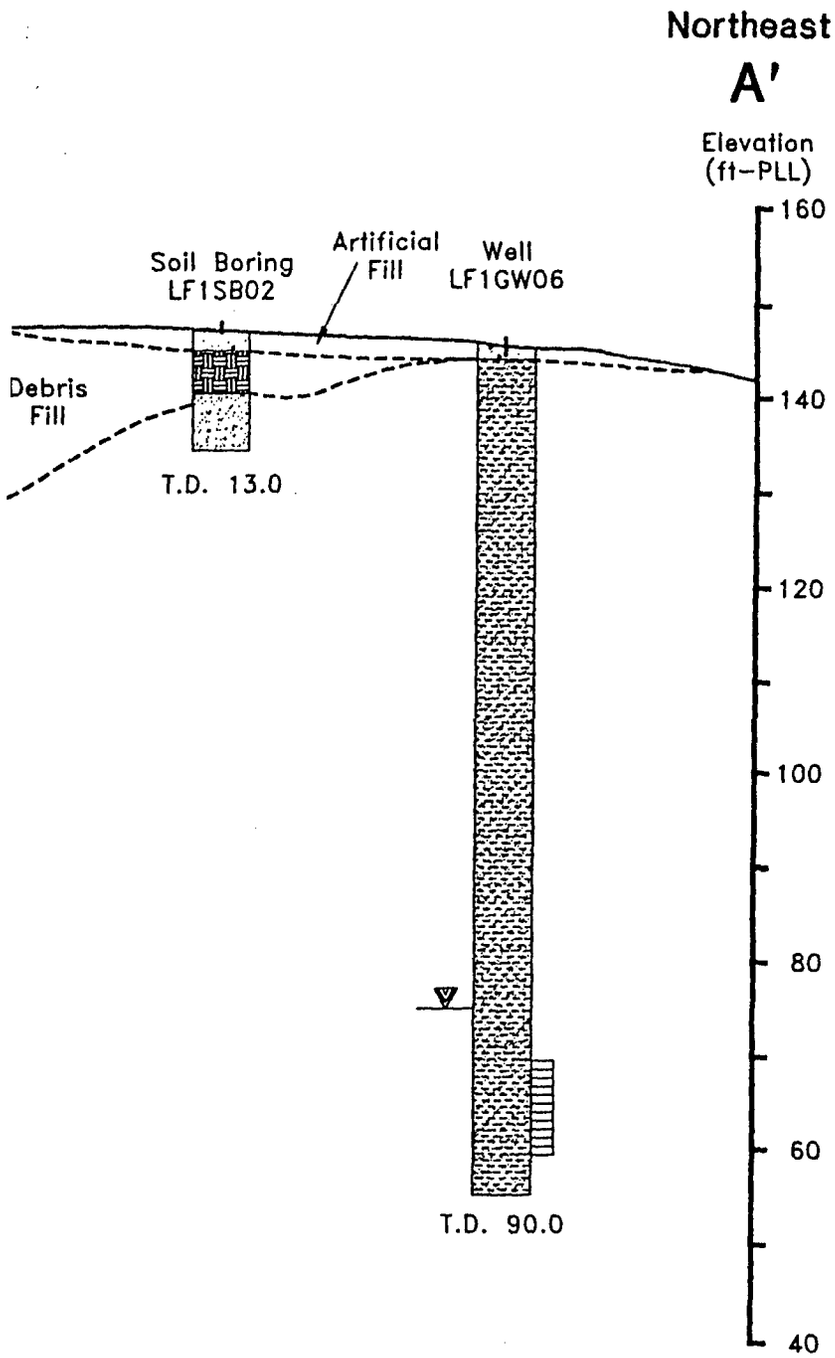
SAMPLE & CROSS SECTION LOCATIONS

PSF25004/DV1

Date: January 1997 | Figure 9.1–1

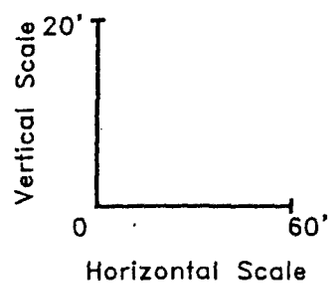

Southwest
A
Cross-Section
B-B'
Intersection
Elevation
(ft-PLL)
160
140
120
100
80
60
40
Well
LF1GW03
Test Pit (a)
LF1-EP01
Soil Boring
LF1SB01
T.D. 12.0
Debris
Fill
Debris
Fill
T.D. 25.5
Colma Formation
Dune Sand
T.D. 66.5

2



EXPLANATION

- Artificial Fill
- Debris Fill
- Silt
- Sand
- Contact, dashed where inferred
- Water Level (03/17/95)
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- (a) Approximate Location & Elevation
- Well Screen Interval



DAMES & MOORE

FILL SITE 1
CROSS SECTION A-A'

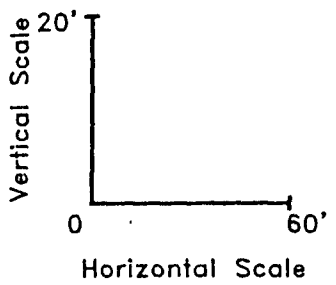
PSF25109/DV1

Date: January 1997 | Figure 9.1-2

3

EXPLANATION

- Artificial Fill
- Debris Fill
- Silt
- Sand
- Contact, dashed where inferred
- Water Level (03/17/95)
- T.D. — Total Depth (ft bgs)
- ft–PLL — feet–Presidio Lower Low Water
- (a) — Approximate Location & Elevation
- Well Screen Interval

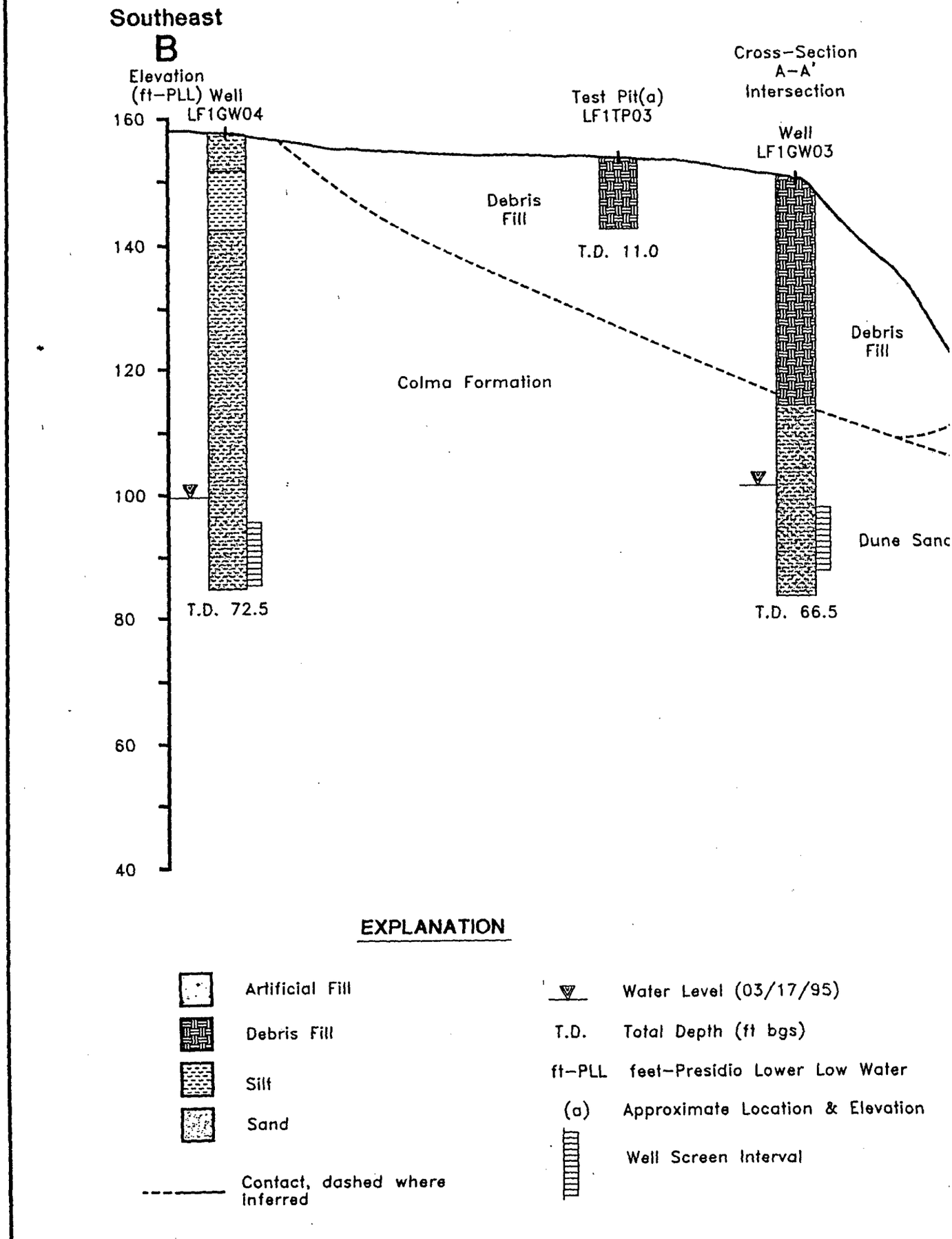


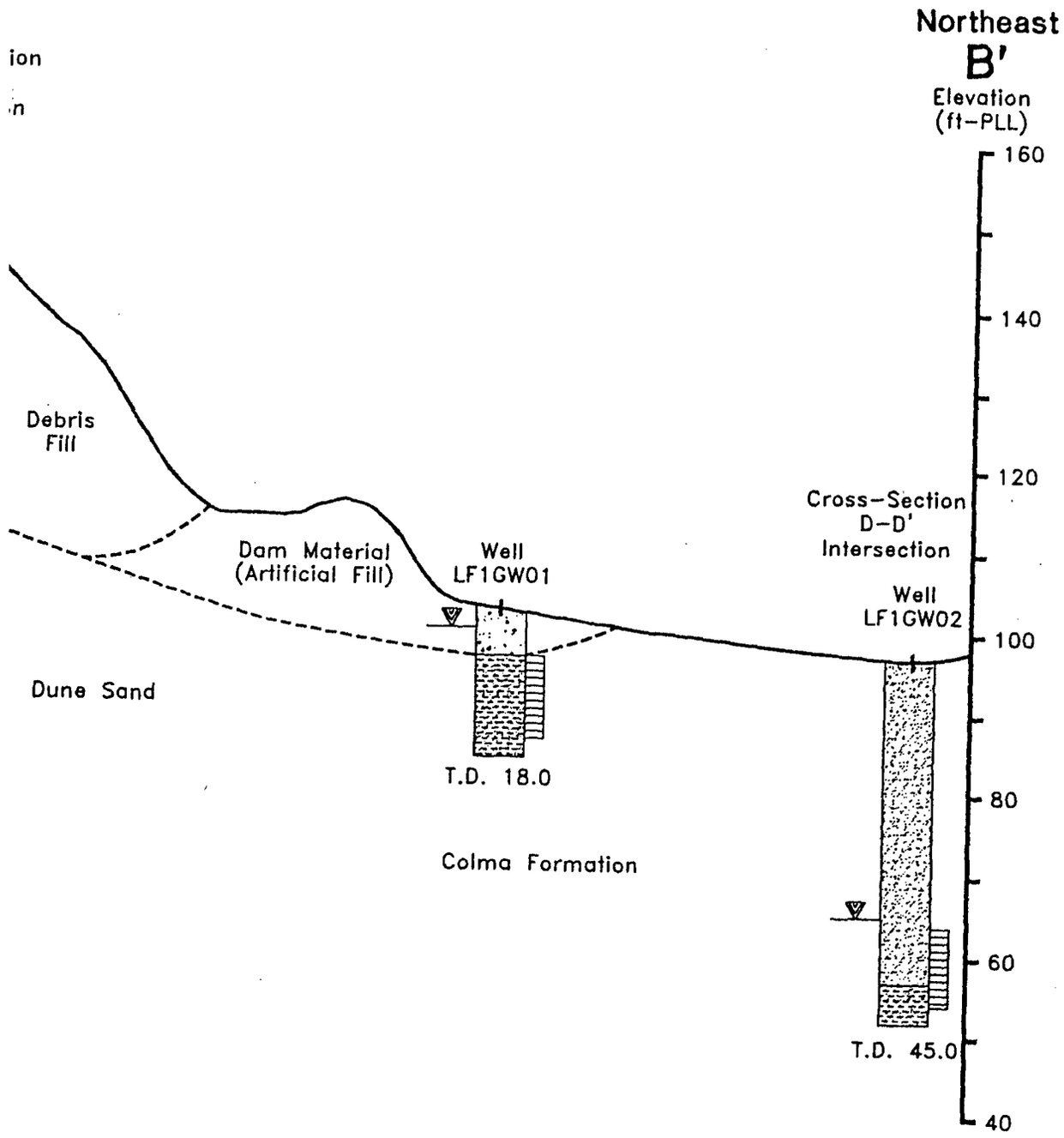
DAMES & MOORE

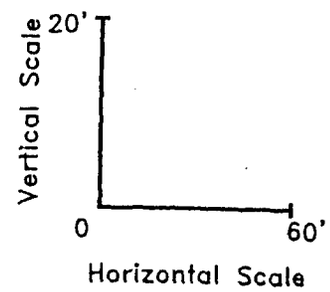
FILL SITE 1
CROSS SECTION A-A'

PSF25109/DV1

Date: January 1997 | Figure 9.1-2


Southeast
B
Elevation
(ft-PLL)
160
140
120
100
80
60
40
Well
LF1GW04
Test Pit(a)
LF1TP03
Cross-Section
A-A'
Intersection
Well
LF1GW03
Debris
Fill
T.D. 11.0
Debris
Fill
Colma Formation
Dune Sanc
T.D. 72.5
T.D. 66.5
EXPLANATION
Artificial Fill
Debris Fill
Silt
Sand
Contact, dashed where inferred
Water Level (03/17/95)
T.D. Total Depth (ft bgs)
ft-PLL feet-Presidio Lower Low Water
(a) Approximate Location & Elevation
Well Screen Interval





Water Elevation

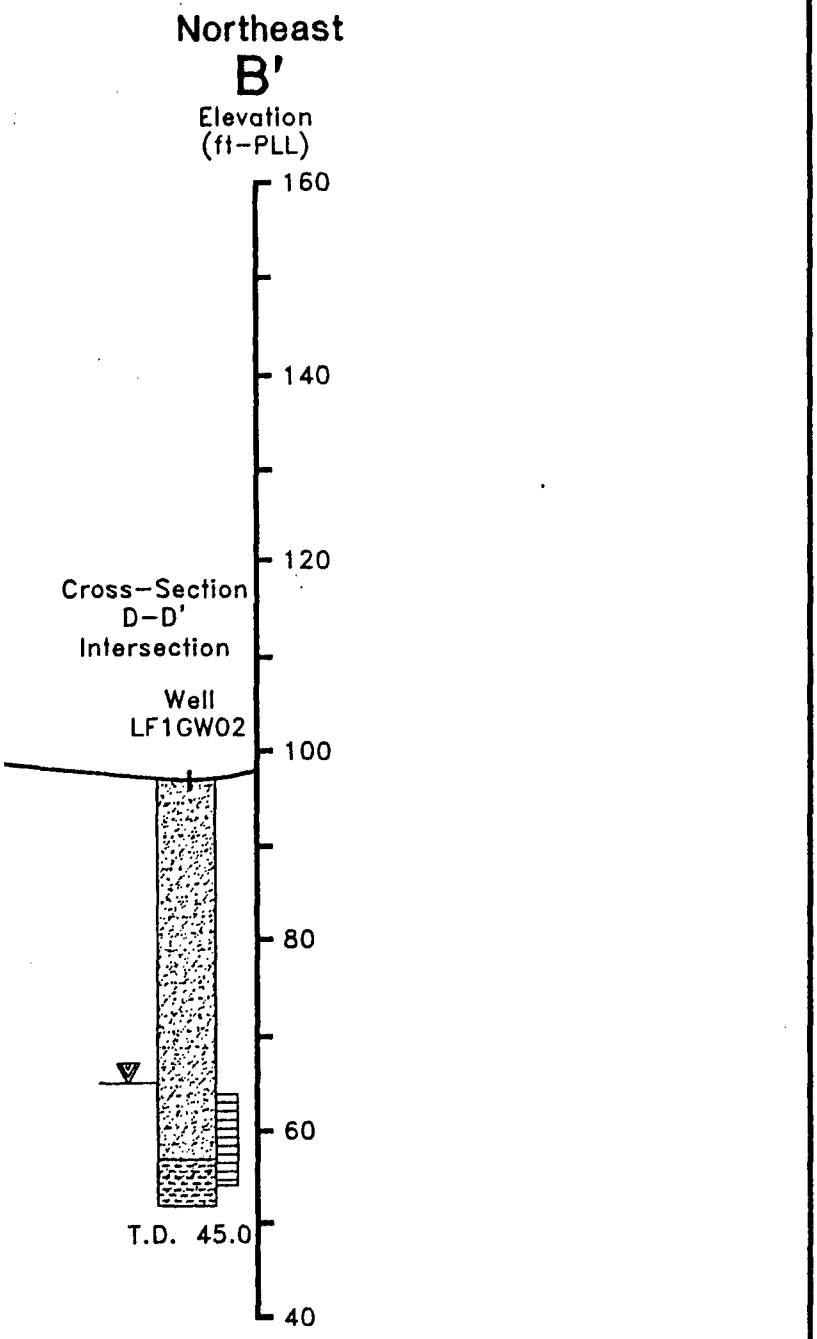
DAMES & MOOR

FILL SITE 1
CROSS SECTION B-B'

PSF25110/DV1

Date: January 1997 | Figure 9.1-3

3

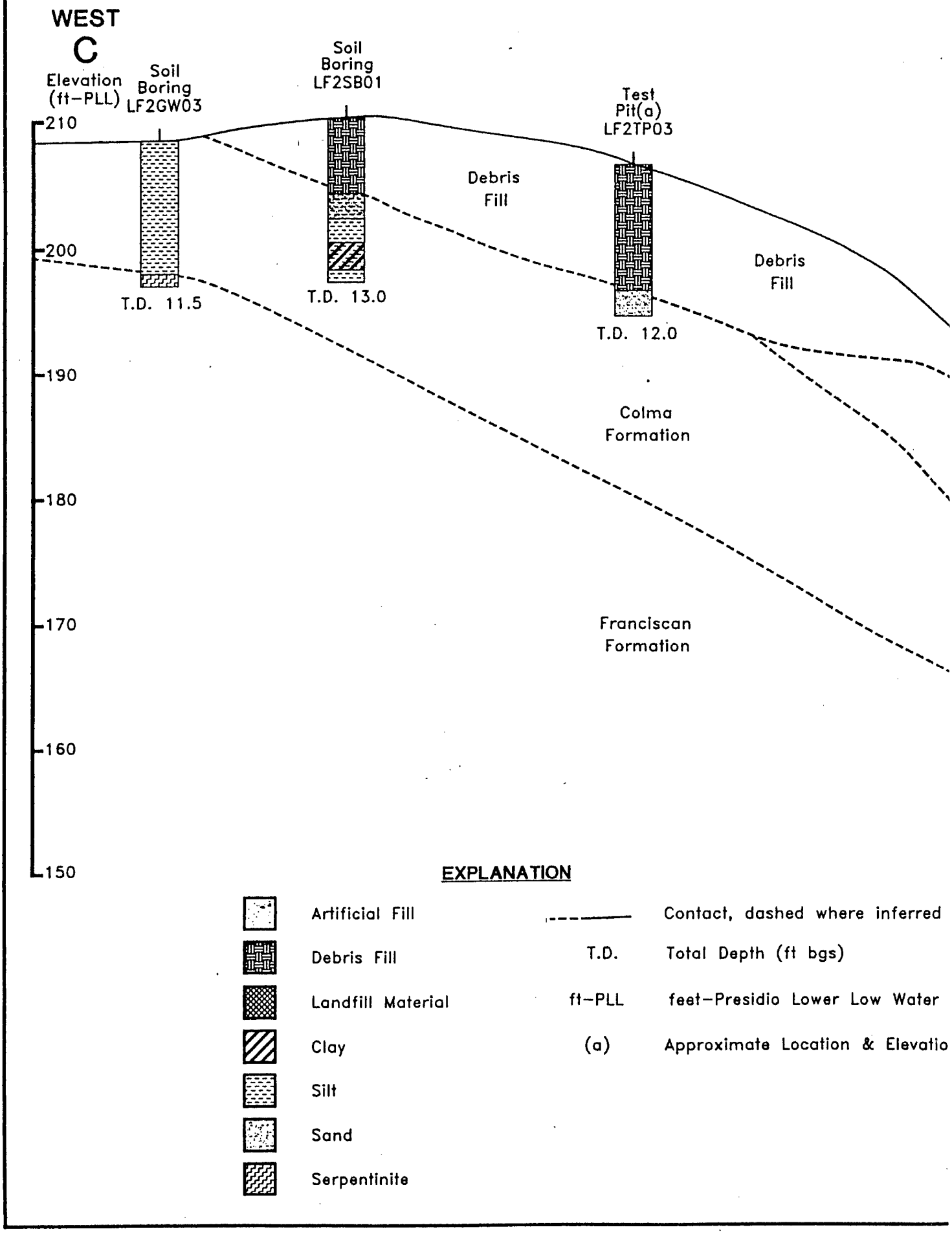


DAMES & MOORE

FILL SITE 1
CROSS SECTION B-B'

PSF25110/DV1

Date: January 1997 | Figure 9.1-3

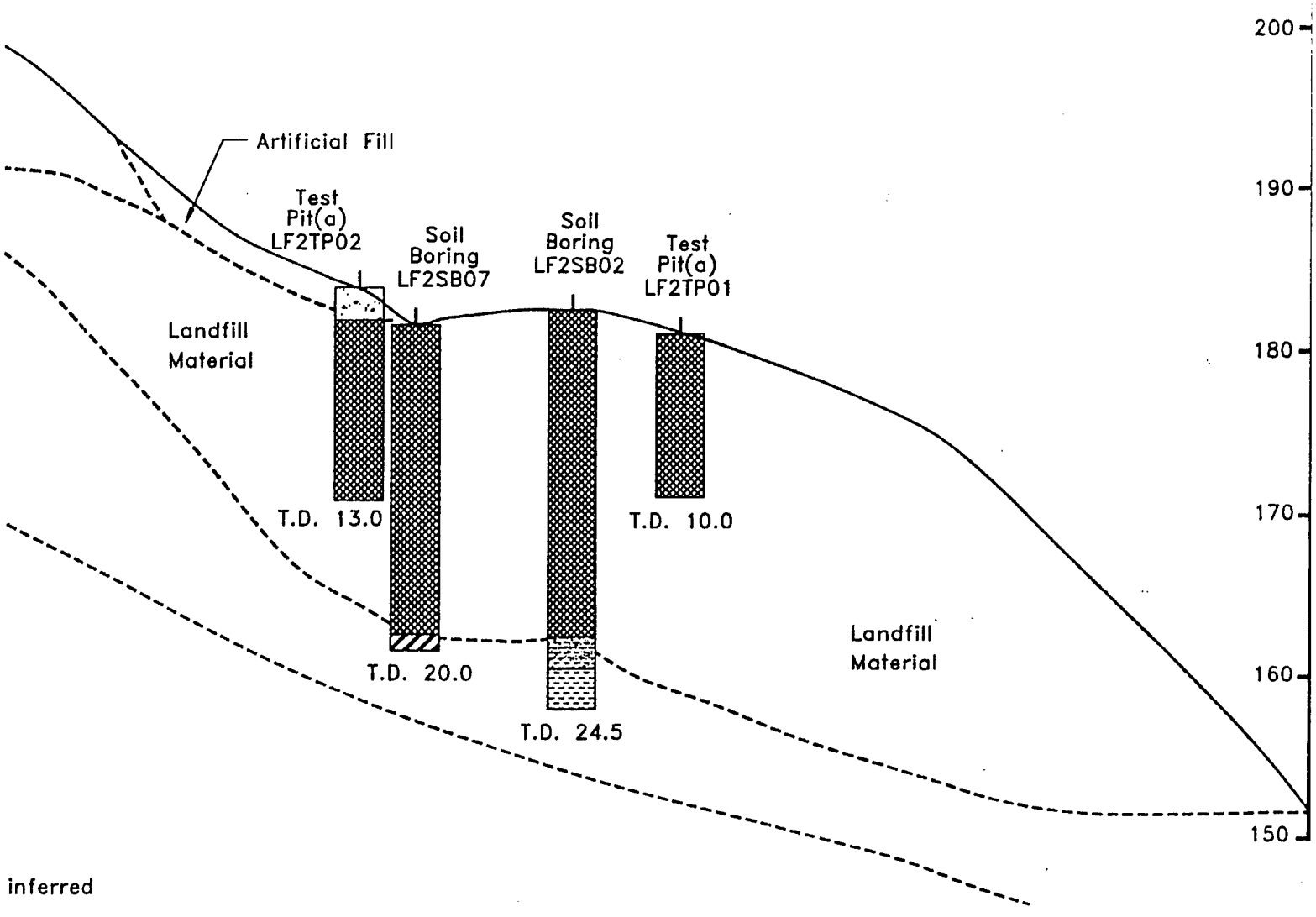

WEST
C
Elevation (ft-PLL)
Soil Boring LF2GW03
Soil Boring LF2SB01
Test Pit(a) LF2TP03
210
200
190
180
170
160
150
Debris Fill
Debris Fill
T.D. 11.5
T.D. 13.0
T.D. 12.0
Colma Formation
Franciscan Formation
EXPLANATION
Artificial Fill
Debris Fill
Landfill Material
Clay
Silt
Sand
Serpentinite
Contact, dashed where inferred
T.D. Total Depth (ft bgs)
ft-PLL feet-Presidio Lower Low Water
(a) Approximate Location & Elevatio

2

EAST

C'

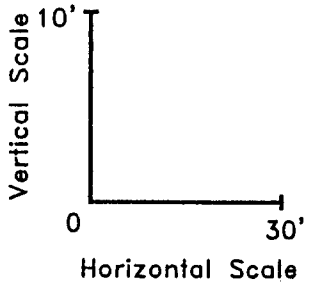
Elevation
(ft-PLL)



inferred

w Water

: Elevation

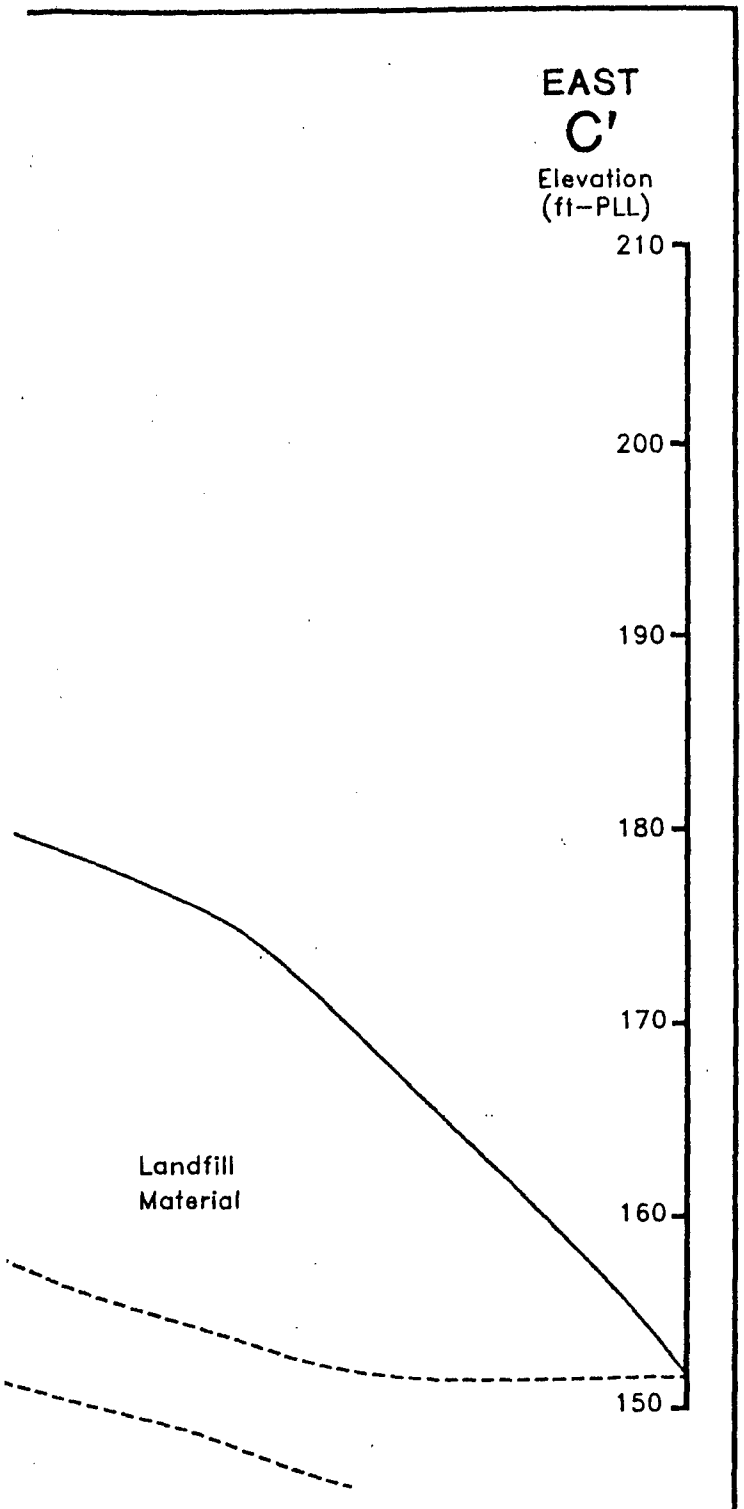


DAMES & MOORE

LANDFILL 2
CROSS SECTION C-C'

PSF25111/DV1

Date: January 1997 | Figure 9.1-4

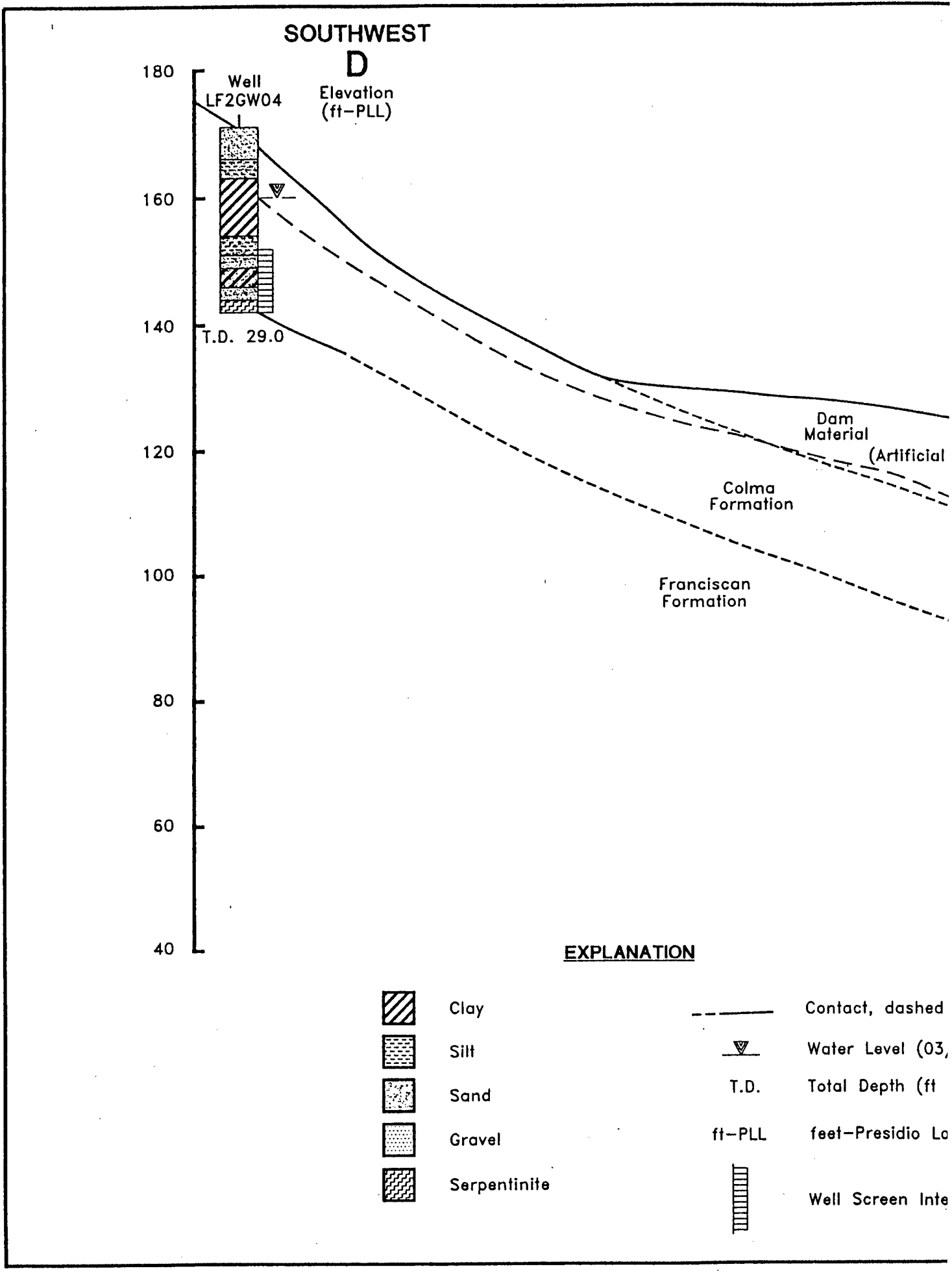


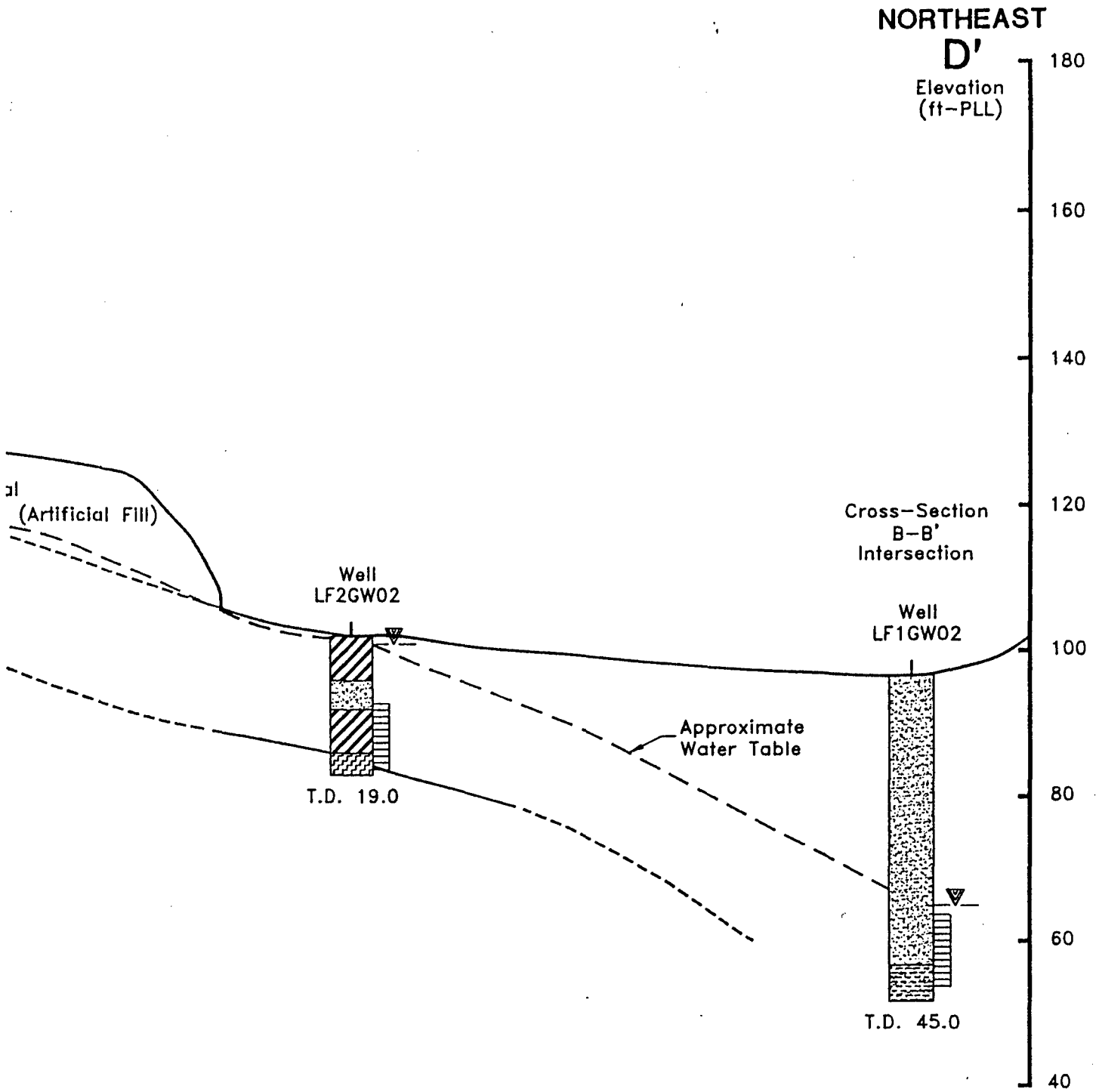
DAMES & MOORE

LANDFILL 2
CROSS SECTION C-C'

PSF25111/DV1

Date: January 1997 | Figure 9.1-4


SOUTHWEST
D
180
160
140
120
100
80
60
40
Well
LF2GW04
Elevation
(ft-PLL)
T.D. 29.0
Dam
Material
(Artificial
Colma
Formation
Franciscan
Formation
EXPLANATION
Clay
Silt
Sand
Gravel
Serpentinite
Contact, dashed
Water Level (03,
T.D.
Total Depth (ft
ft-PLL
feet-Presidio La
Well Screen Inte



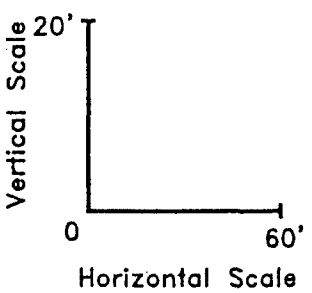
ct, dashed where inferred

Level (03/17/95)

Depth (ft bgs)

Presidio Lower Low Water

Screen Interval

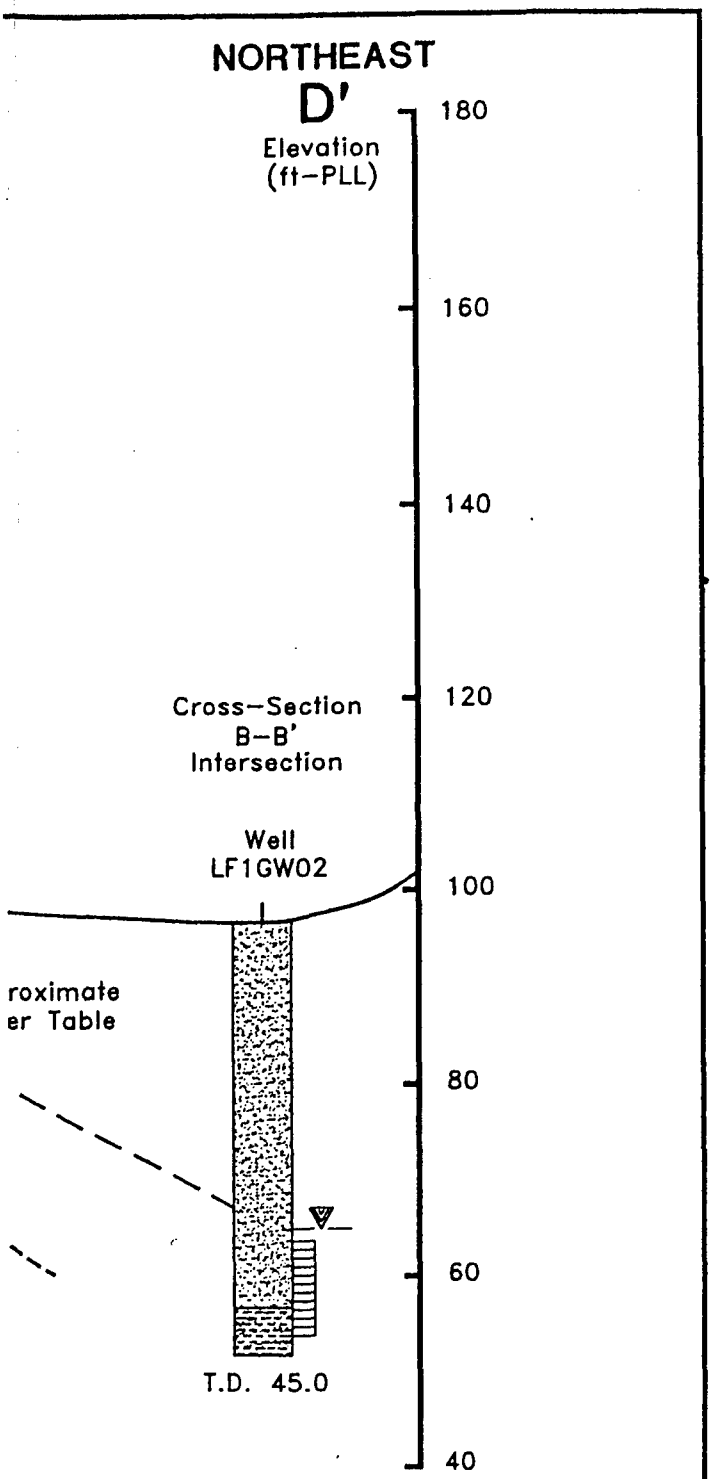


DAMES & MOORE

LANDFILL 2
CROSS SECTION D-D'

PSF25112/DV1

Date: January 1997 | Figure 9.1-5



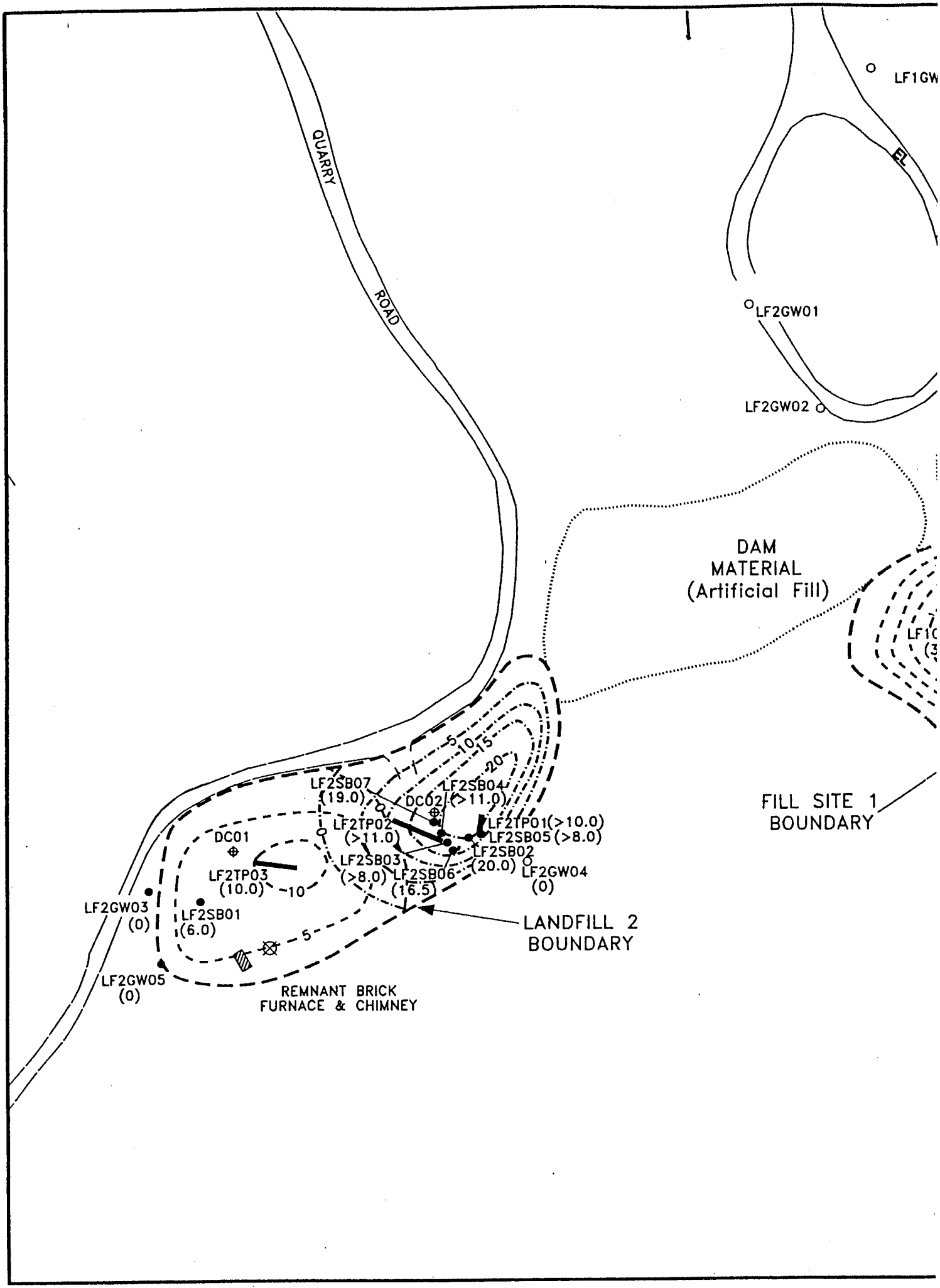
3

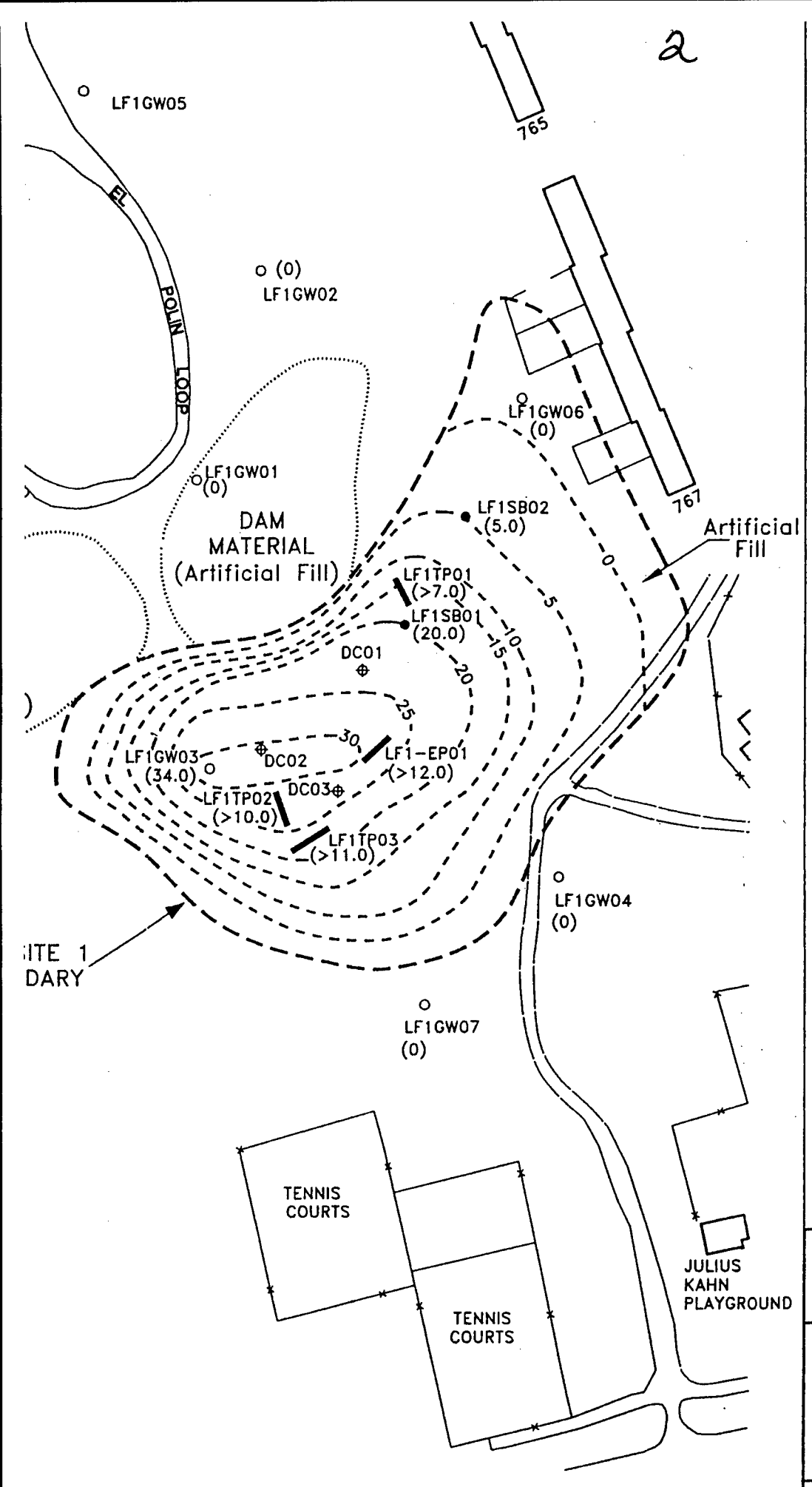
DAMES & MOORE

LANDFILL 2
CROSS SECTION D-D'

PSF25112/DV1

Date: January 1997 | Figure 9.1-5


QUARRY ROAD
LF1GW
EL
LF2GW01
LF2GW02
DAM MATERIAL (Artificial Fill)
FILL SITE 1 BOUNDARY
LANDFILL 2 BOUNDARY
LF2SB07 (19.0)
LF2SB04 (>11.0)
DC02
LF2TP02 (>11.0)
LF2TP01(>10.0)
LF2SB05 (>8.0)
DC01
LF2SB03 (>8.0)
LF2SB02 (20.0)
LF2GW04 (0)
LF2TP03 (10.0)
LF2SB06 (16.5)
LF2GW03 (0)
LF2SB01 (6.0)
LF2GW05 (0)
REMNANT BRICK FURNACE & CHIMNEY
5
10
15
20



EXPLANATION

- TEST PIT
- SOIL BORING
- MONITORING WELL
- RESISTIVITY MEASUREMENT
- (5) FILL THICKNESS IN FEET
- ---5--- DEBRIS FILL THICKNESS C (FILL SITE 1 & LANDFILL
- -·-·-5-·-·- LANDFILL MATERIAL THICKN CONTOUR (LANDFILL 2)
- ..... DAM MATERIAL BOUNDARY

-N-

0 50 100

FEET

DAMES & MOOI

FILL SITE 1 & LANDFILL 2

DEBRIS FILL & LANDFILL MATI

ISOPACHS

PSF25115/DV1

Date: January 1997 | Figure 9.1-

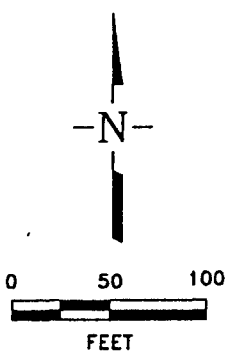
3

EXPLANATION

- TEST PIT
- SOIL BORING
- MONITORING WELL
- RESISTIVITY MEASUREMENT
- (5) FILL THICKNESS IN FEET
- ---5--- DEBRIS FILL THICKNESS CONTOUR (FILL SITE 1 & LANDFILL 2)
- -·-·-5-·-·- LANDFILL MATERIAL THICKNESS CONTOUR (LANDFILL 2)
- ..... DAM MATERIAL BOUNDARY

Artificial Fill

LIUS HN AYGROUND

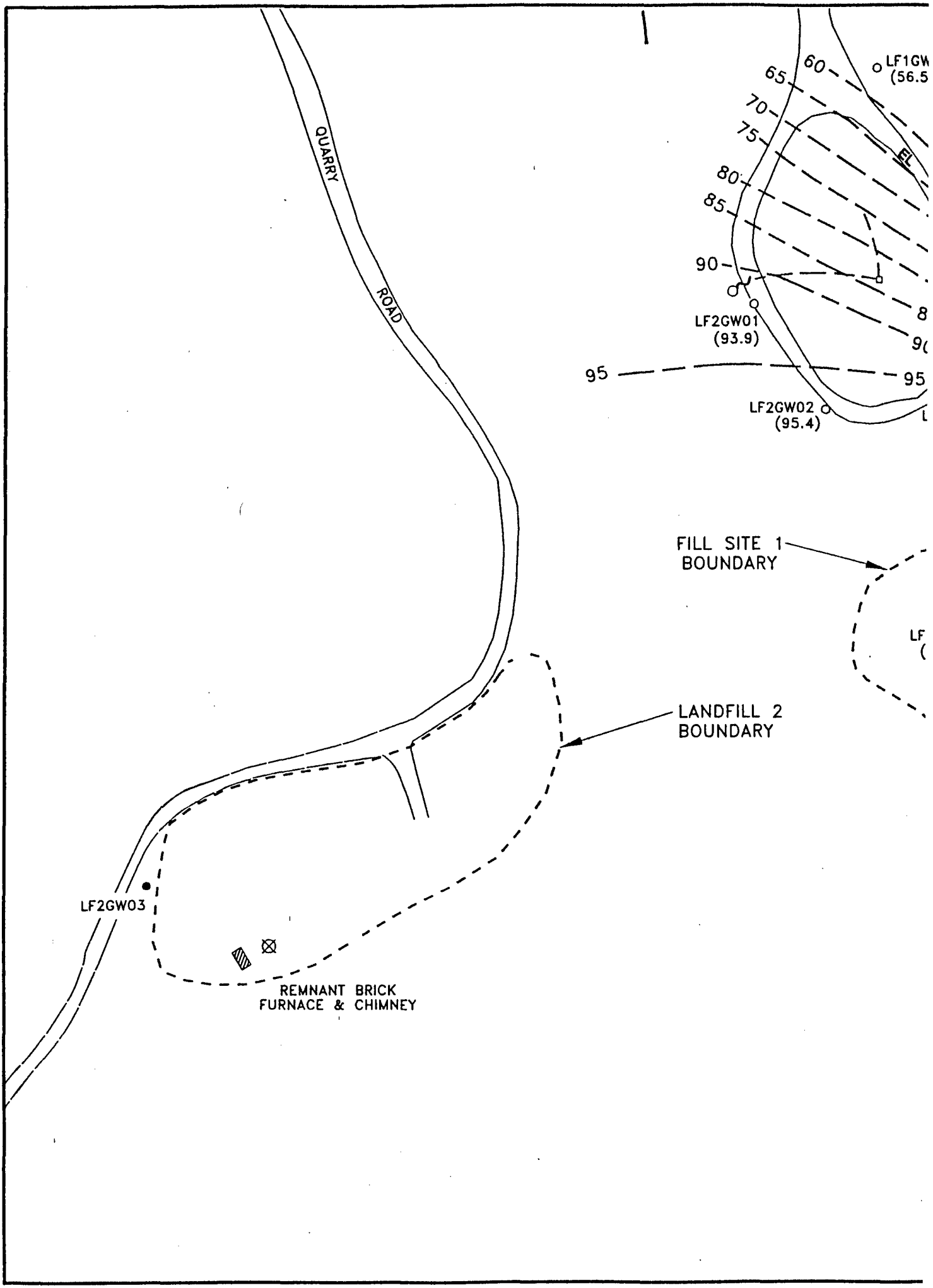


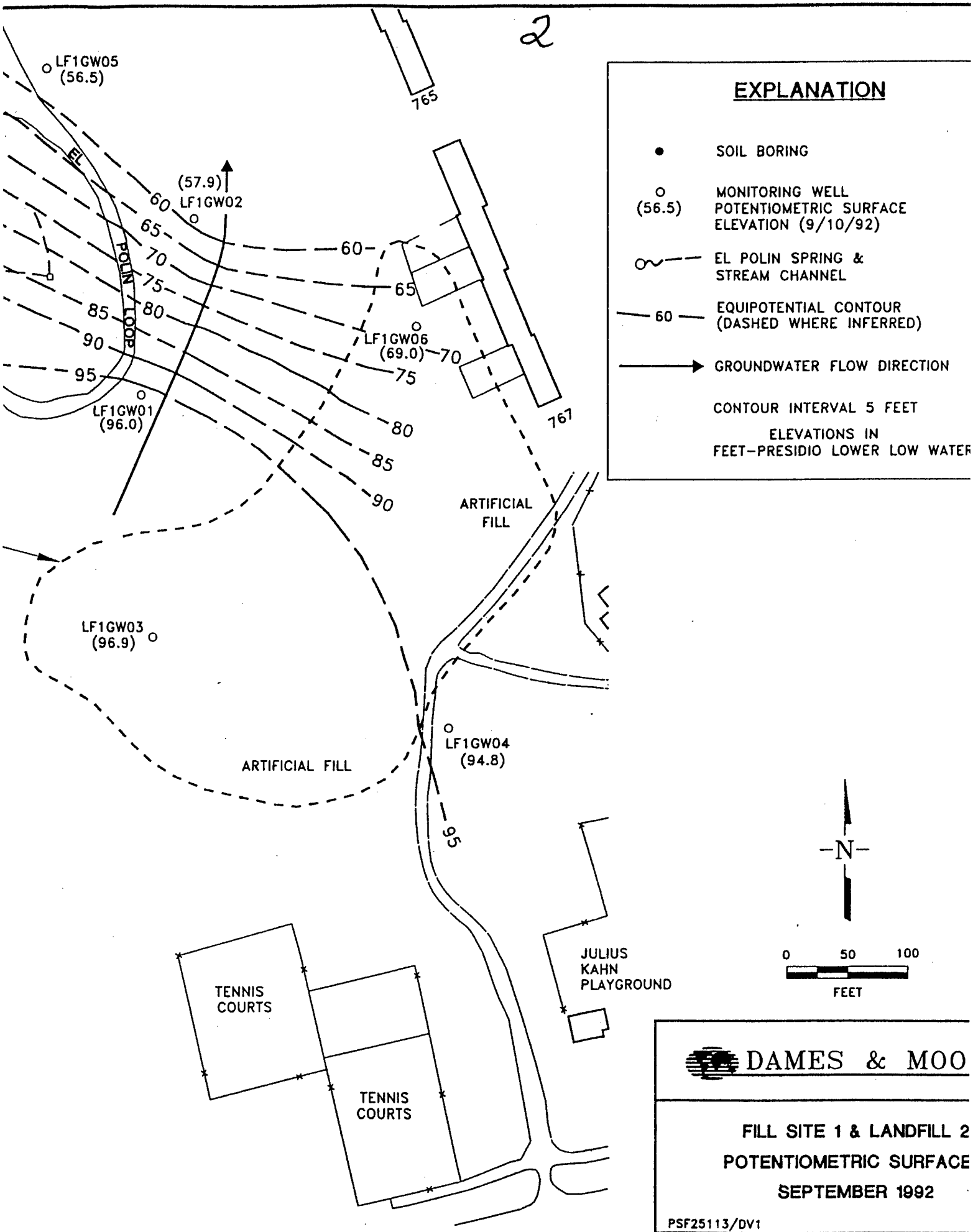
DAMES & MOORE

FILL SITE 1 & LANDFILL 2
DEBRIS FILL & LANDFILL MATERIAL
ISOPACHS

PSF25115/DV1

Date: January 1997 | Figure 9.1-6


QUARRY ROAD
60
65
70
75
80
85
90
95
LF1GW
(56.5
LF2GW01
(93.9)
LF2GW02
(95.4)
FILL SITE 1
BOUNDARY
LANDFILL 2
BOUNDARY
LF2GW03
REMNANT BRICK
FURNACE & CHIMNEY



DAMES & MOO

FILL SITE 1 & LANDFILL 2
POTENTIOMETRIC SURFACE
SEPTEMBER 1992

PSF25113/DV1

Date: January 1997 | Figure 9.1-

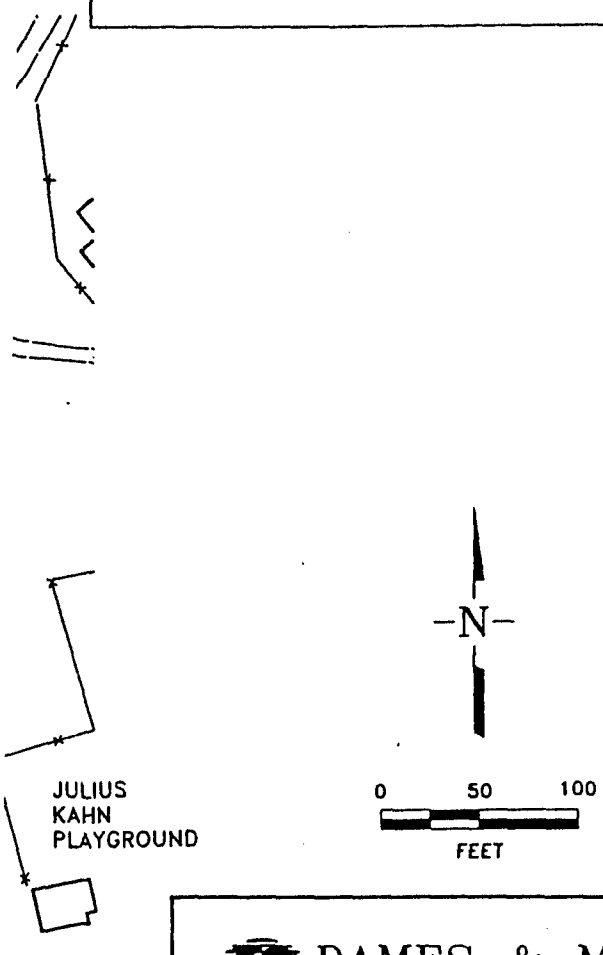
3

EXPLANATION

- ● SOIL BORING
- O (56.5) MONITORING WELL POTENTIOMETRIC SURFACE ELEVATION (9/10/92)
- EL POLIN SPRING & STREAM CHANNEL
- — 60 — EQUIPOTENTIAL CONTOUR (DASHED WHERE INFERRED)
- → GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL 5 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

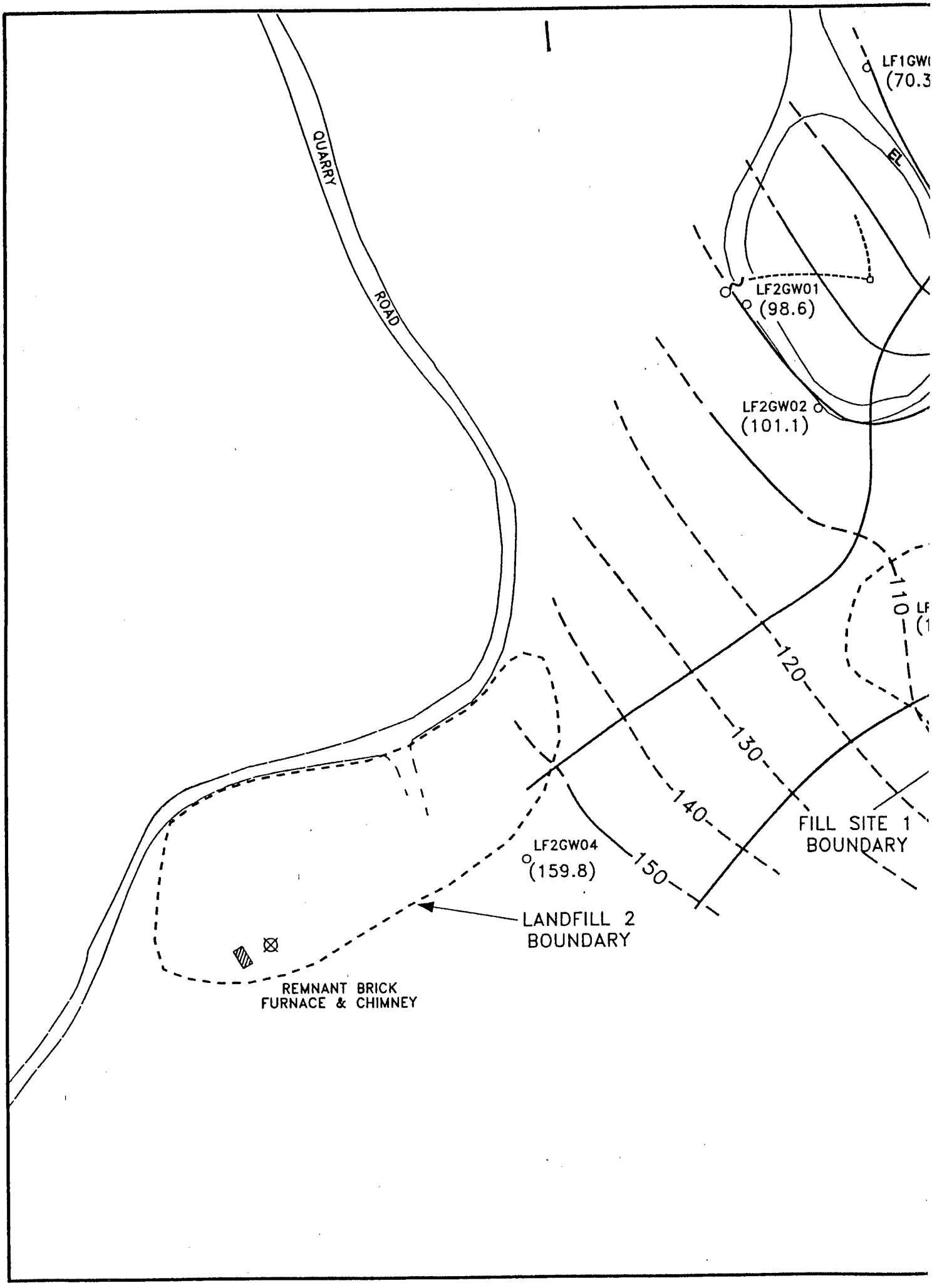


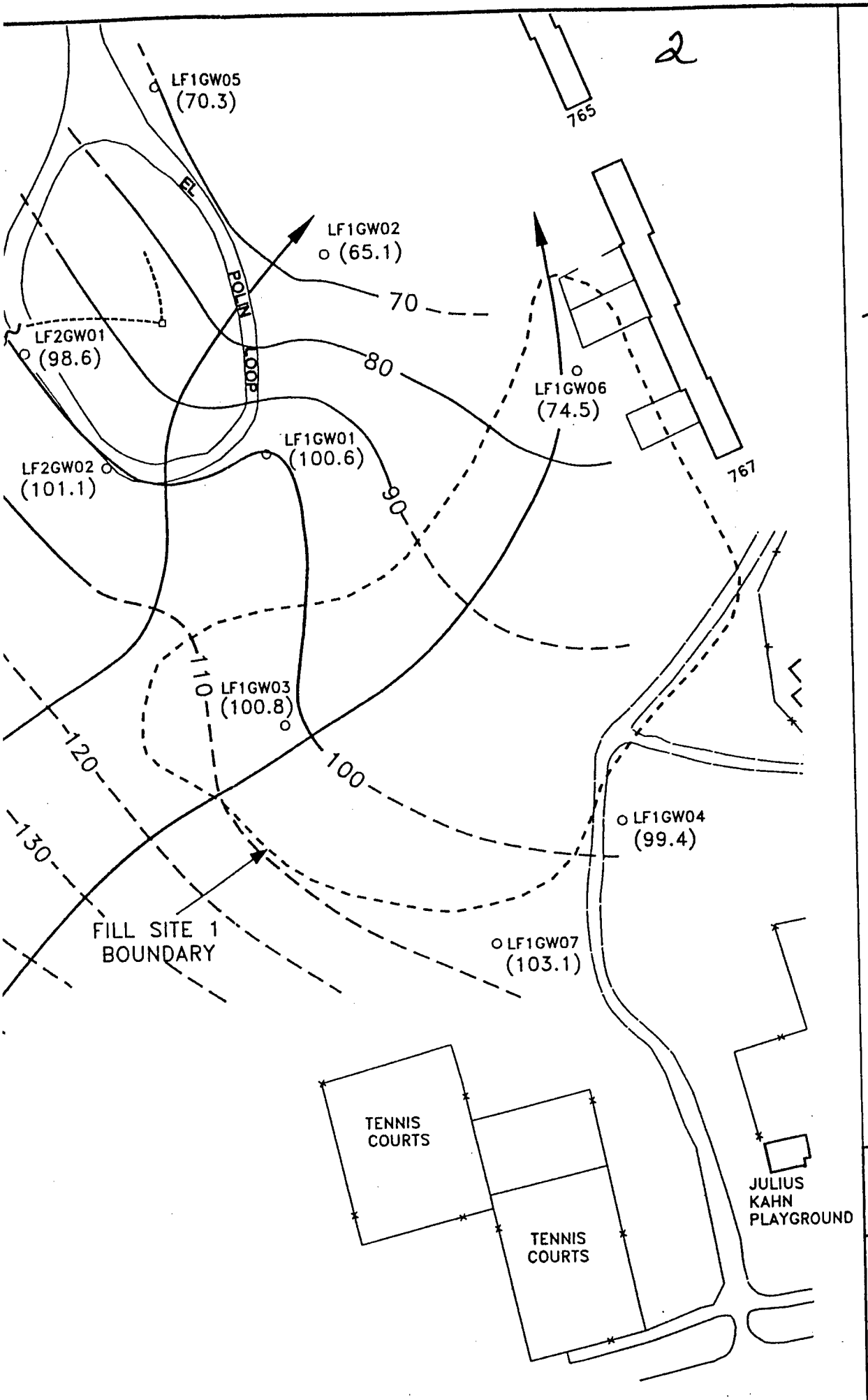
DAMES & MOORE

FILL SITE 1 & LANDFILL 2
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 1992

PSF25113/DV1

Date: January 1997 | Figure 9.1-7


QUARRY ROAD
LF1GW
(70.3
EL
LF2GW01
(98.6)
LF2GW02
(101.1)
110
120
130
140
150
FILL SITE 1
BOUNDARY
LF2GW04
(159.8)
LANDFILL 2
BOUNDARY
REMNANT BRICK
FURNACE & CHIMNEY


2
LF1GW05
(70.3)
765
EL
POLIN
LOOP
LF1GW02
(65.1)
70
LF2GW01
(98.6)
80
LF1GW06
(74.5)
LF1GW01
(100.6)
LF2GW02
(101.1)
90
767
110
LF1GW03
(100.8)
120
100
LF1GW04
(99.4)
130
FILL SITE 1
BOUNDARY
LF1GW07
(103.1)
TENNIS
COURTS
TENNIS
COURTS
JULIUS
KAHN
PLAYGROUND
EXPLANAT
MONITORING W
(74.5)
POTENTIOMETRI
ELEVATION (0
EL POLIN SPR
STREAM CHAN
70
EQUIPOTENTIAL
(DASHED WHE
GROUNDWATER
CONTOUR INTI
ELEV
FEET-PRESIDIO
0
DAMES
FILL SITE 1 &
POTENTIOMETRI
MARC
PSF25067/DV1
Date: January 1997

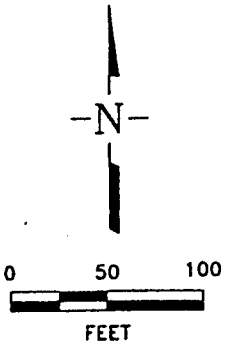
3

EXPLANATION

o	MONITORING WELL
(74.5)	POTENTIOMETRIC SURFACE ELEVATION (03/17/95)
~----	EL POLIN SPRING & STREAM CHANNEL
--70	EQUIPOTENTIAL CONTOUR, (DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL 10 FEET

ELEVATION IN FEET–PRESIDIO LOWER LOW WATER



DAMES & MOORE

FILL SITE 1 & LANDFILL 2
POTENTIOMETRIC SURFACE MAP
MARCH 1995

PSF25067/DV1

Date: January 1997 | Figure 9.1–8

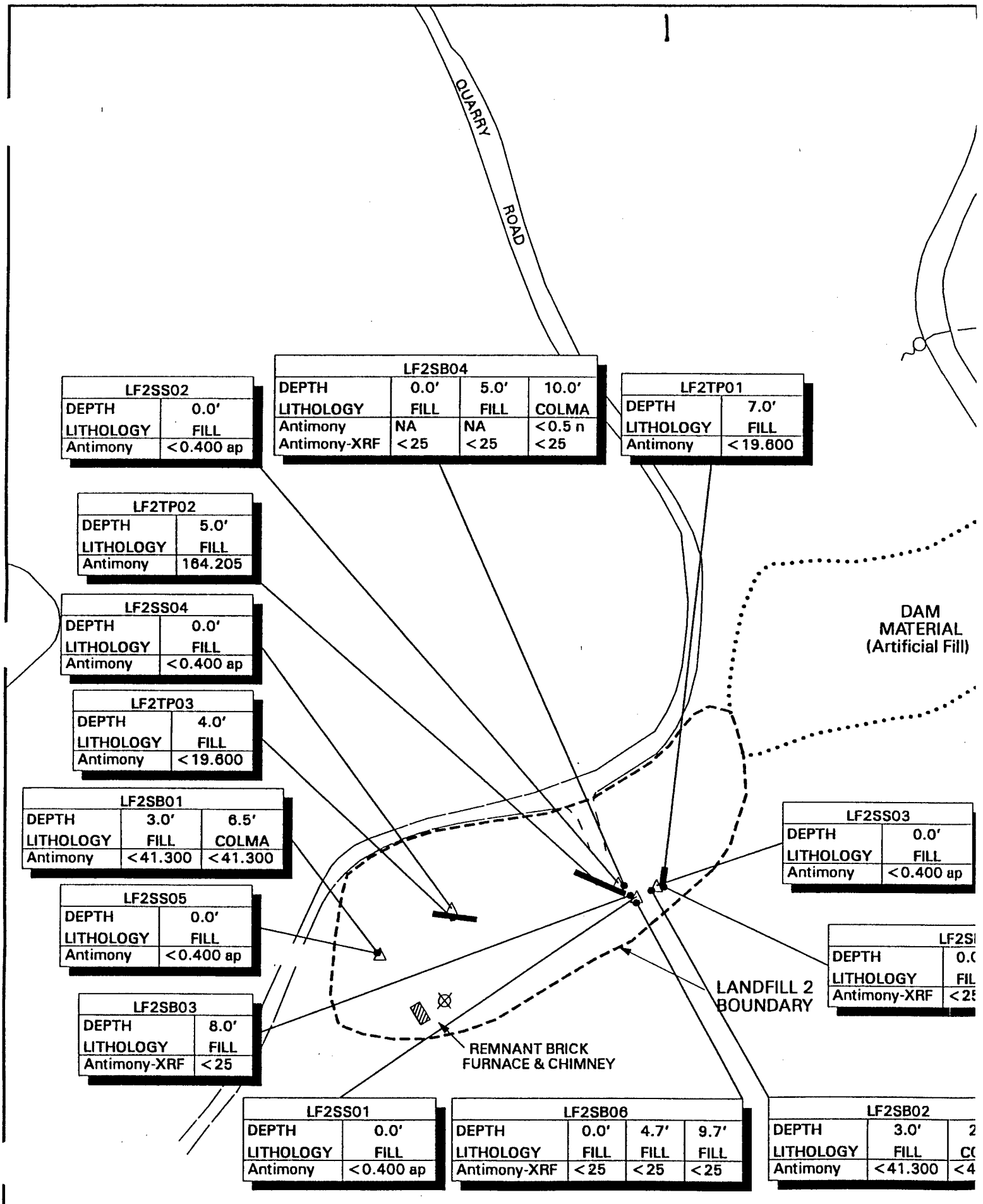
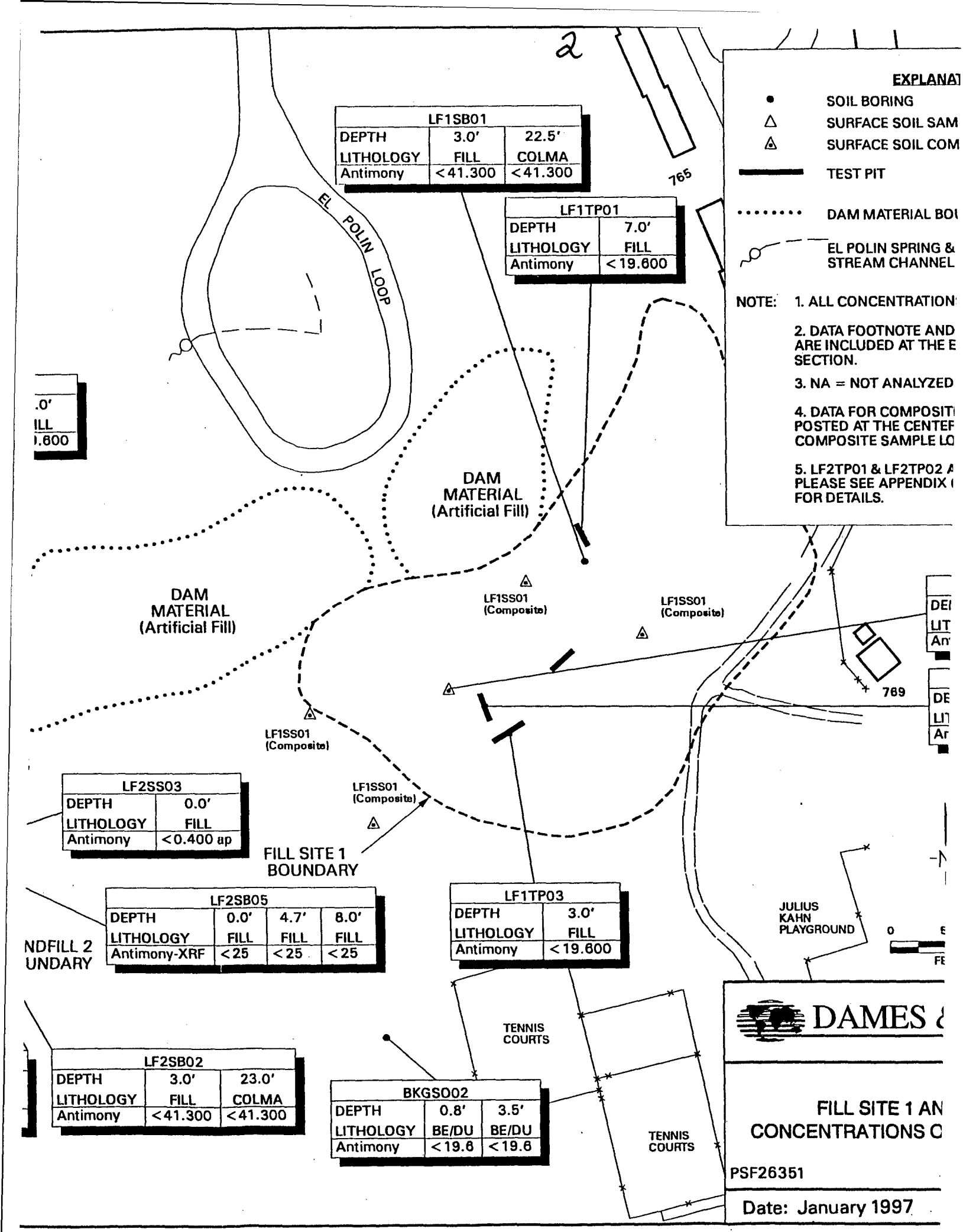
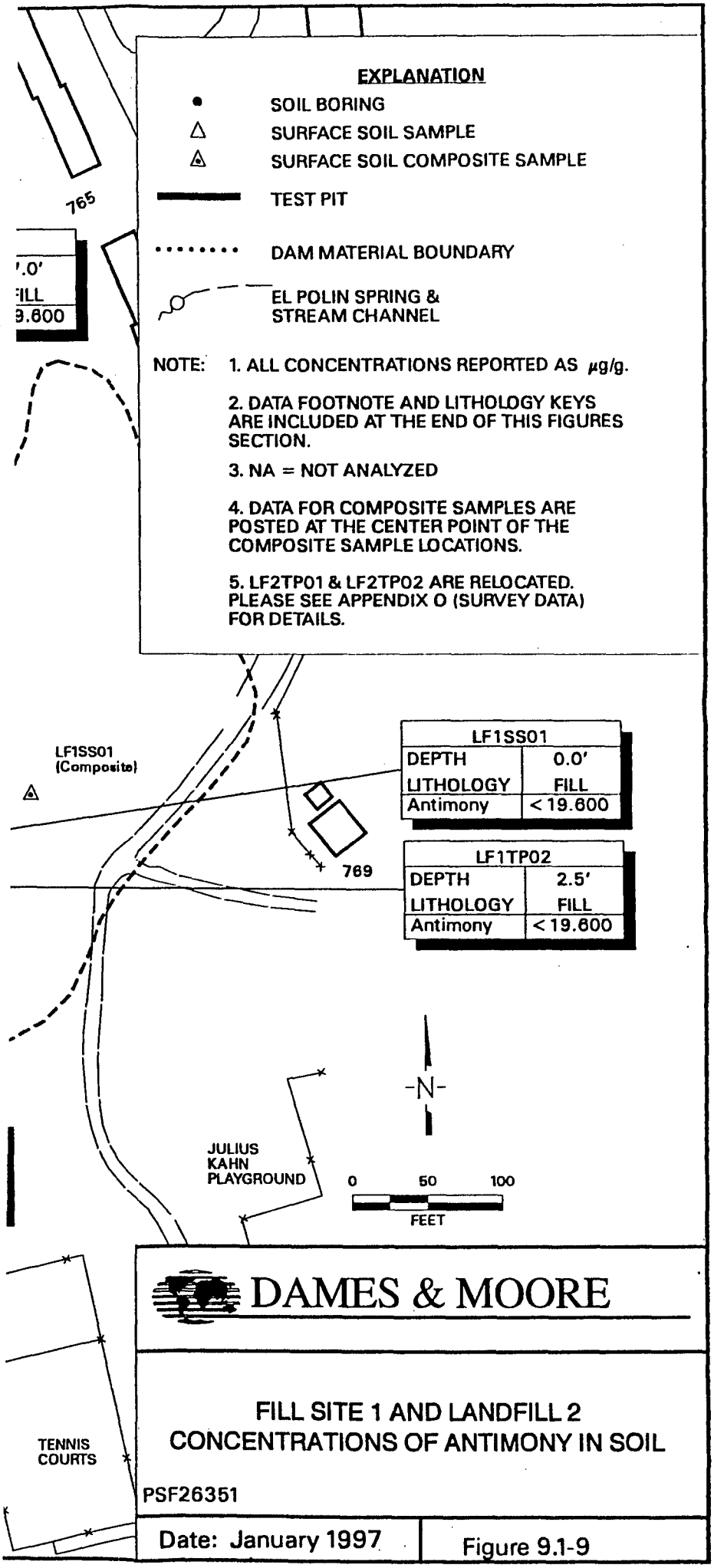


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANAT
SOIL BORING
SURFACE SOIL SAM
SURFACE SOIL COM
TEST PIT
DAM MATERIAL BOU
EL POLIN SPRING &
STREAM CHANNEL
NOTE: 1. ALL CONCENTRATION
2. DATA FOOTNOTE AND
ARE INCLUDED AT THE E
SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITI
POSTED AT THE CENTEF
COMPOSITE SAMPLE LO
5. LF2TP01 & LF2TP02 A
PLEASE SEE APPENDIX
FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Antimony <41.300 <41.300
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Antimony <19.600
765
EL POLIN LOOP
.0'
ILL
).600
DAM
MATERIAL
(Artificial Fill)
DAM
MATERIAL
(Artificial Fill)
LF1SS01
(Composite)
LF1SS01
(Composite)
LF1SS01
(Composite)
LF1SS01
(Composite)
769
DEI
LIT
An
DE
LI
Ar
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Antimony <0.400 ap
FILL SITE 1
BOUNDARY
LF2SB05
DEPTH 0.0' 4.7' 8.0'
LITHOLOGY FILL FILL FILL
Antimony-XRF <25 <25 <25
NDFILL 2
UNDARY
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Antimony <19.600
JULIUS
KAHN
PLAYGROUND
0
FE
TENNIS
COURTS
LF2SB02
DEPTH 3.0' 23.0'
LITHOLOGY FILL COLMA
Antimony <41.300 <41.300
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Antimony <19.6 <19.6
TENNIS
COURTS
DAMES &
FILL SITE 1 AN
CONCENTRATIONS C
PSF26351
Date: January 1997



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ANTIMONY IN SOIL

PSF26351

Date: January 1997

Figure 9.1-9

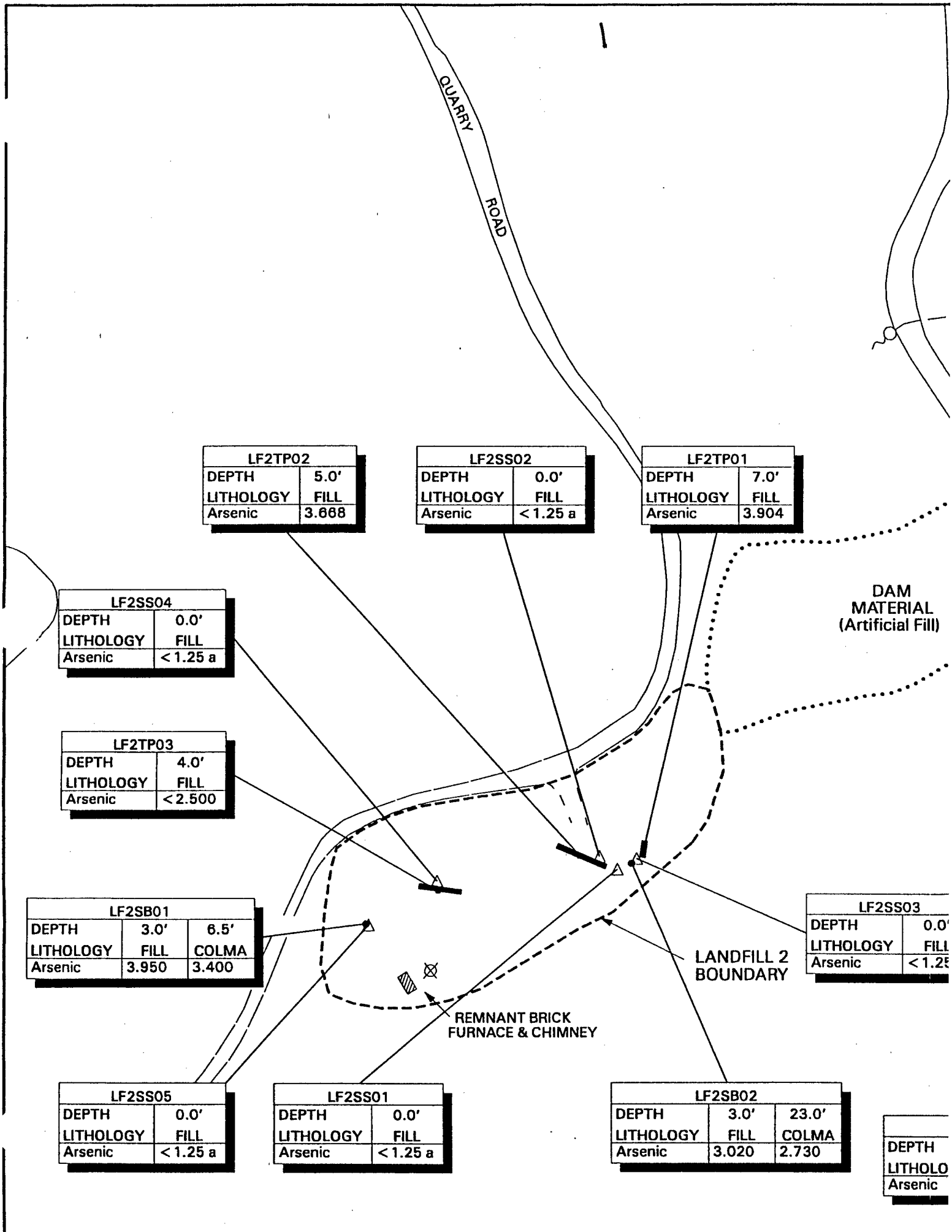
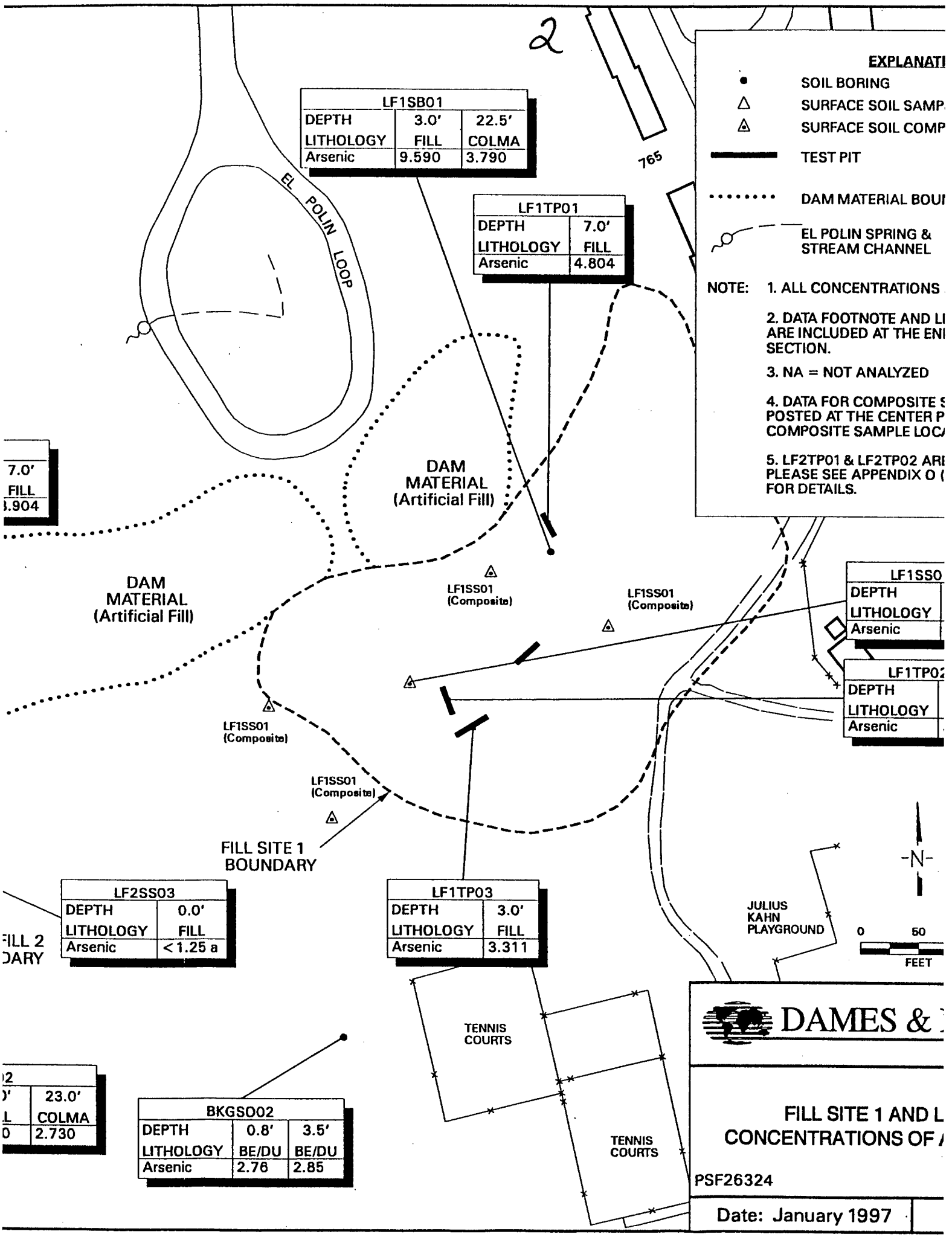
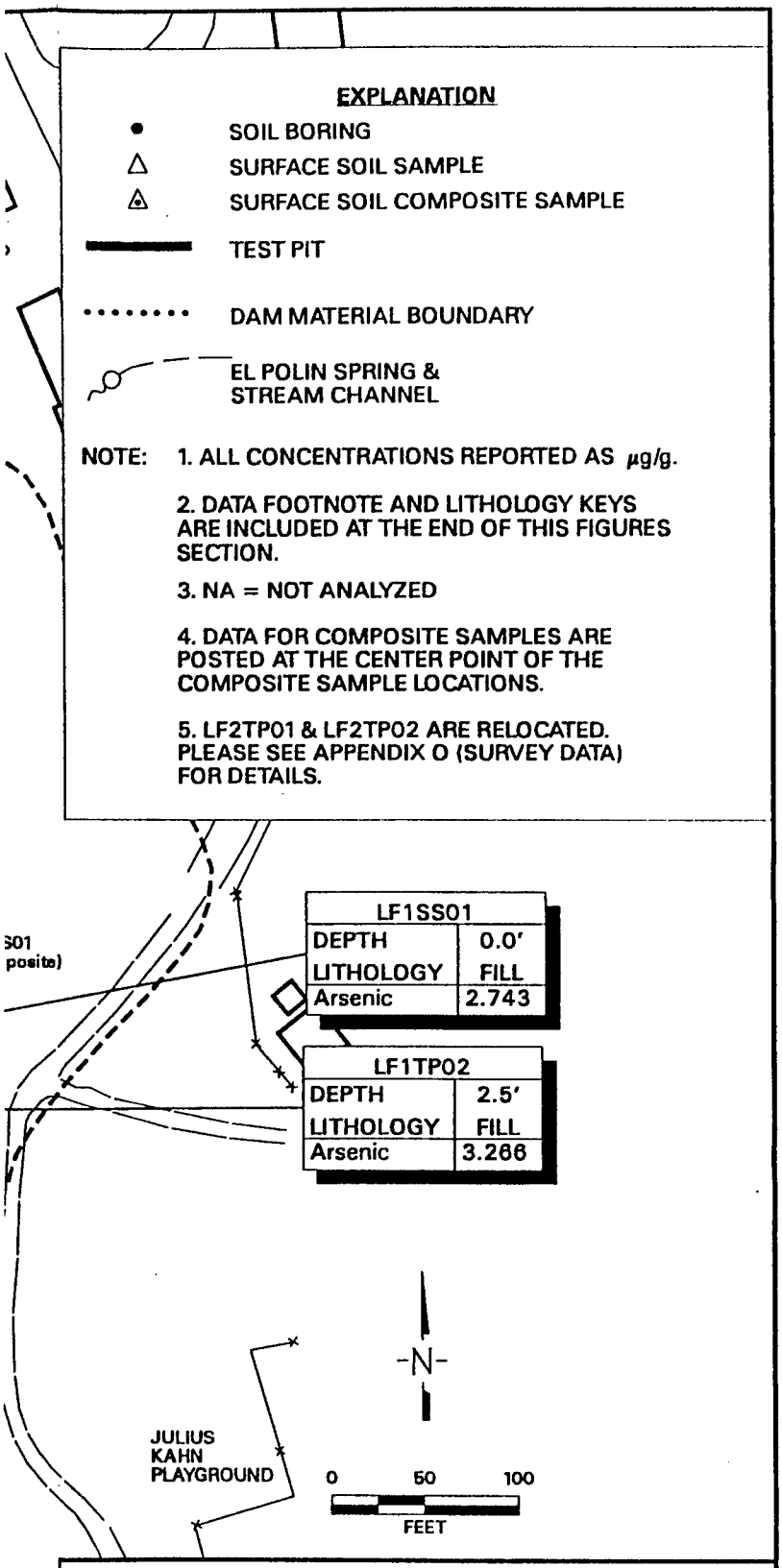


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATI
SOIL BORING
SURFACE SOIL SAMP
SURFACE SOIL COMP
TEST PIT
DAM MATERIAL BOU
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND LI ARE INCLUDED AT THE ENI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE S POSTED AT THE CENTER P COMPOSITE SAMPLE LOC
5. LF2TP01 & LF2TP02 ARI PLEASE SEE APPENDIX O (FOR DETAILS.
765
EL POLIN LOOP
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Arsenic 9.590 3.790
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Arsenic 4.804
7.0'
FILL
.904
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS0
DEPTH
LITHOLOGY
Arsenic
LF1TP02
DEPTH
LITHOLOGY
Arsenic
FILL SITE 1 BOUNDARY
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Arsenic <1.25 a
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Arsenic 3.311
FILL 2
DARY
JULIUS KAHN PLAYGROUND
-N-
0 50
FEET
TENNIS COURTS
TENNIS COURTS
2
23.0'
COLMA
2.730
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Arsenic 2.76 2.85
DAMES &
FILL SITE 1 AND L
CONCENTRATIONS OF
PSF26324
Date: January 1997



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26324

Date: January 1997

Figure 9.1-10

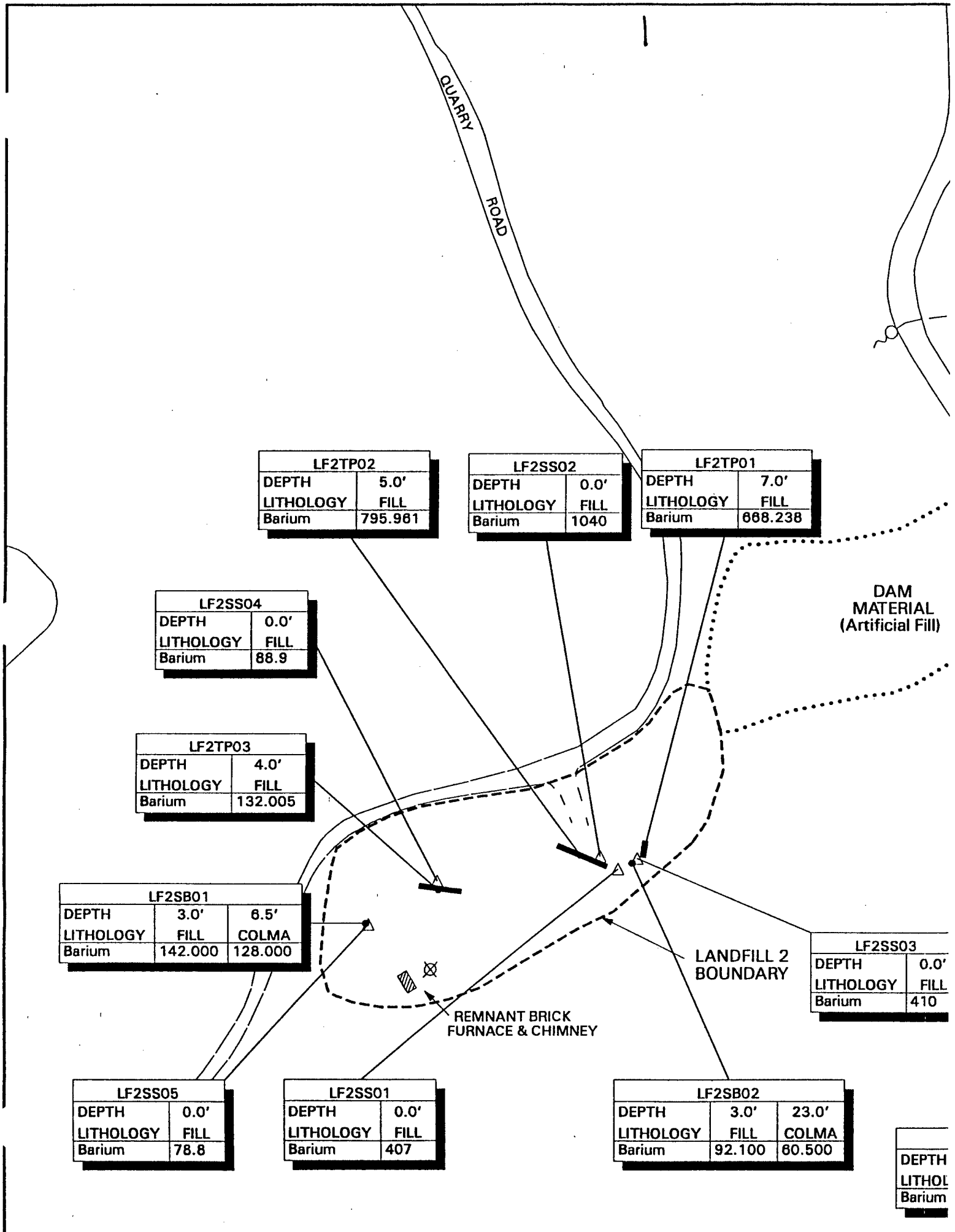
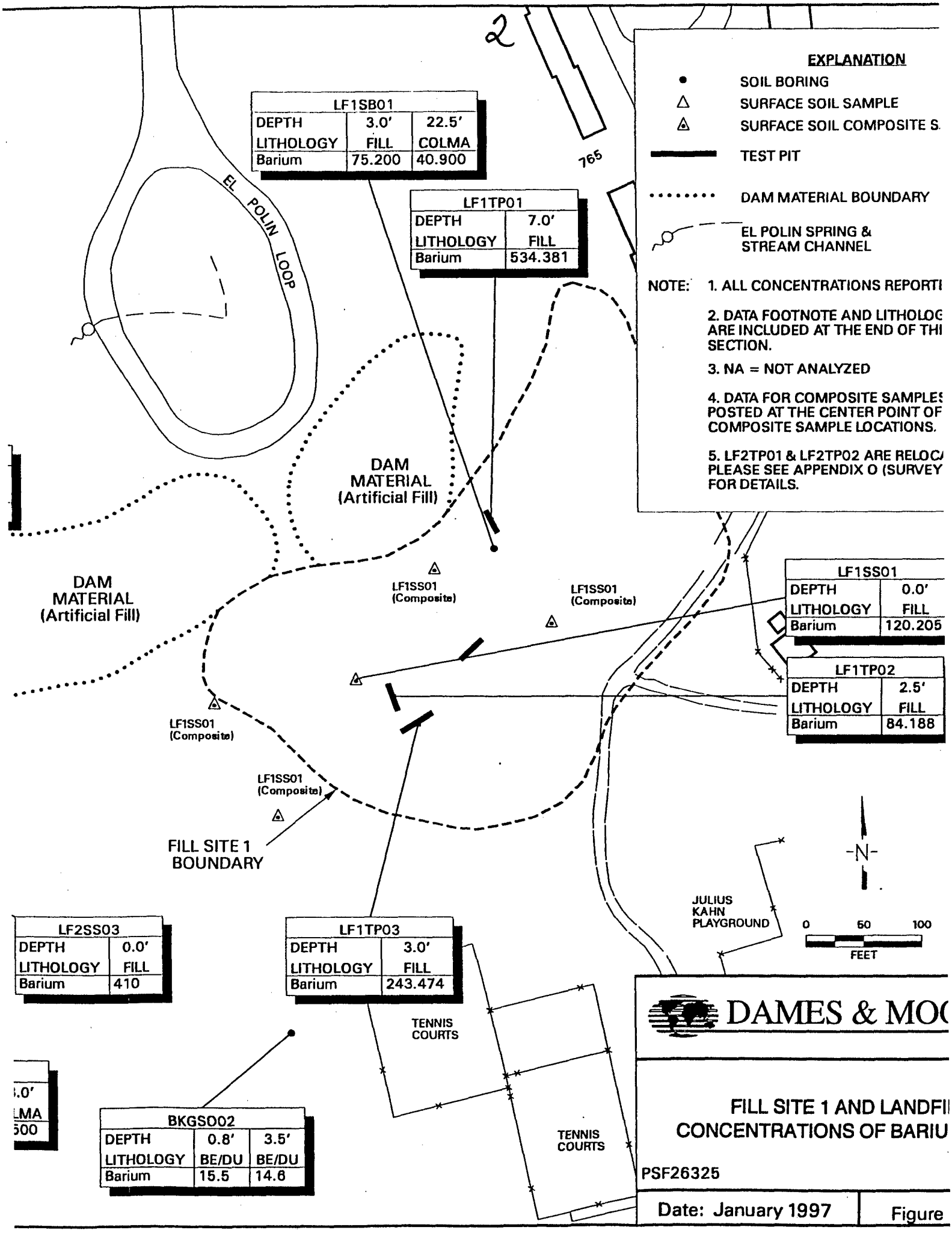
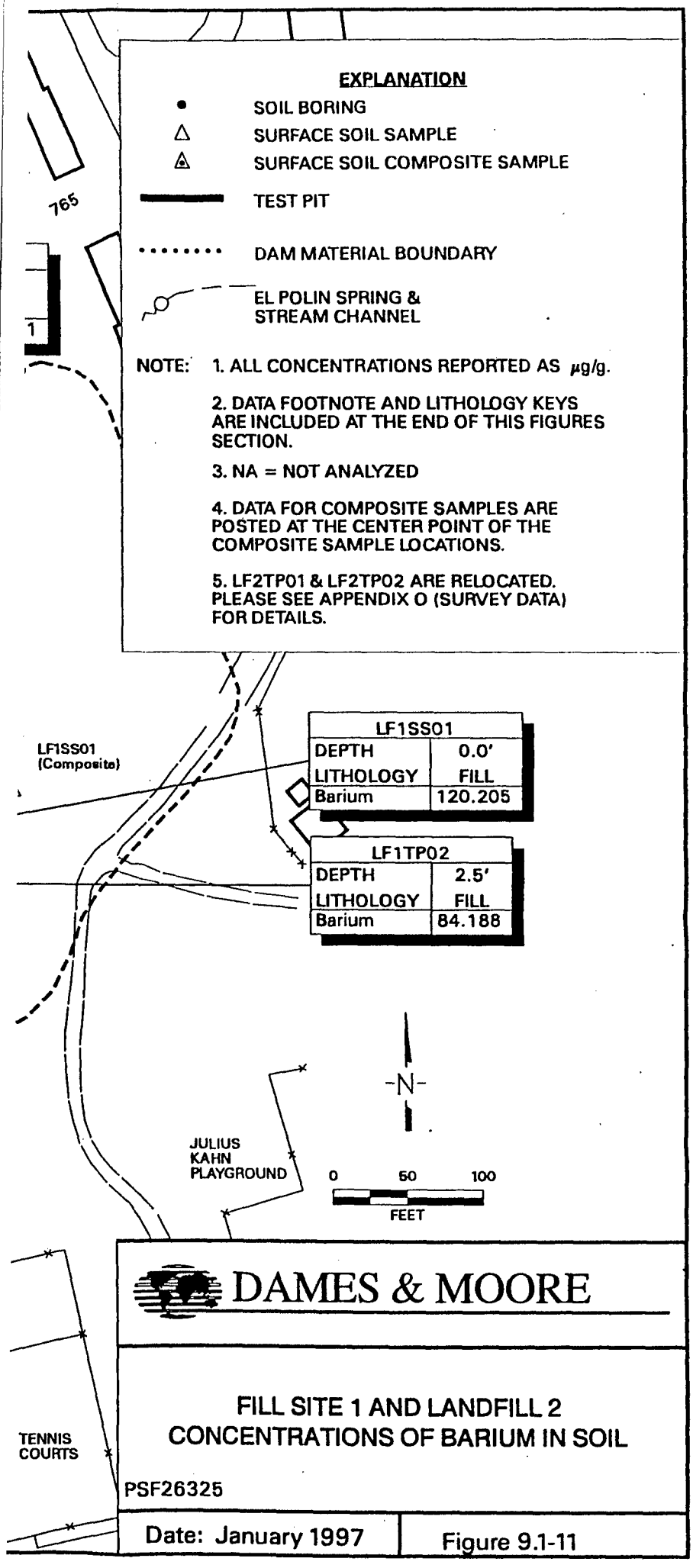


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
765
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSITE S.
TEST PIT
DAM MATERIAL BOUNDARY
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REPORTI
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOC/ PLEASE SEE APPENDIX O (SURVEY FOR DETAILS.
EL POLIN LOOP
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
FILL SITE 1 BOUNDARY
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Barium 75.200 40.900
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Barium 534.381
LF1SS01
DEPTH 0.0'
LITHOLOGY FILL
Barium 120.205
LF1TP02
DEPTH 2.5'
LITHOLOGY FILL
Barium 84.188
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Barium 410
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Barium 243.474
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Barium 15.5 14.6
TENNIS COURTS
TENNIS COURTS
JULIUS KAHN PLAYGROUND
-N-
0 50 100
FEET
DAMES & MOC
FILL SITE 1 AND LANDFI
CONCENTRATIONS OF BARIU
PSF26325
Date: January 1997
Figure



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF BARIUM IN SOIL

PSF26325

Date: January 1997

Figure 9.1-11

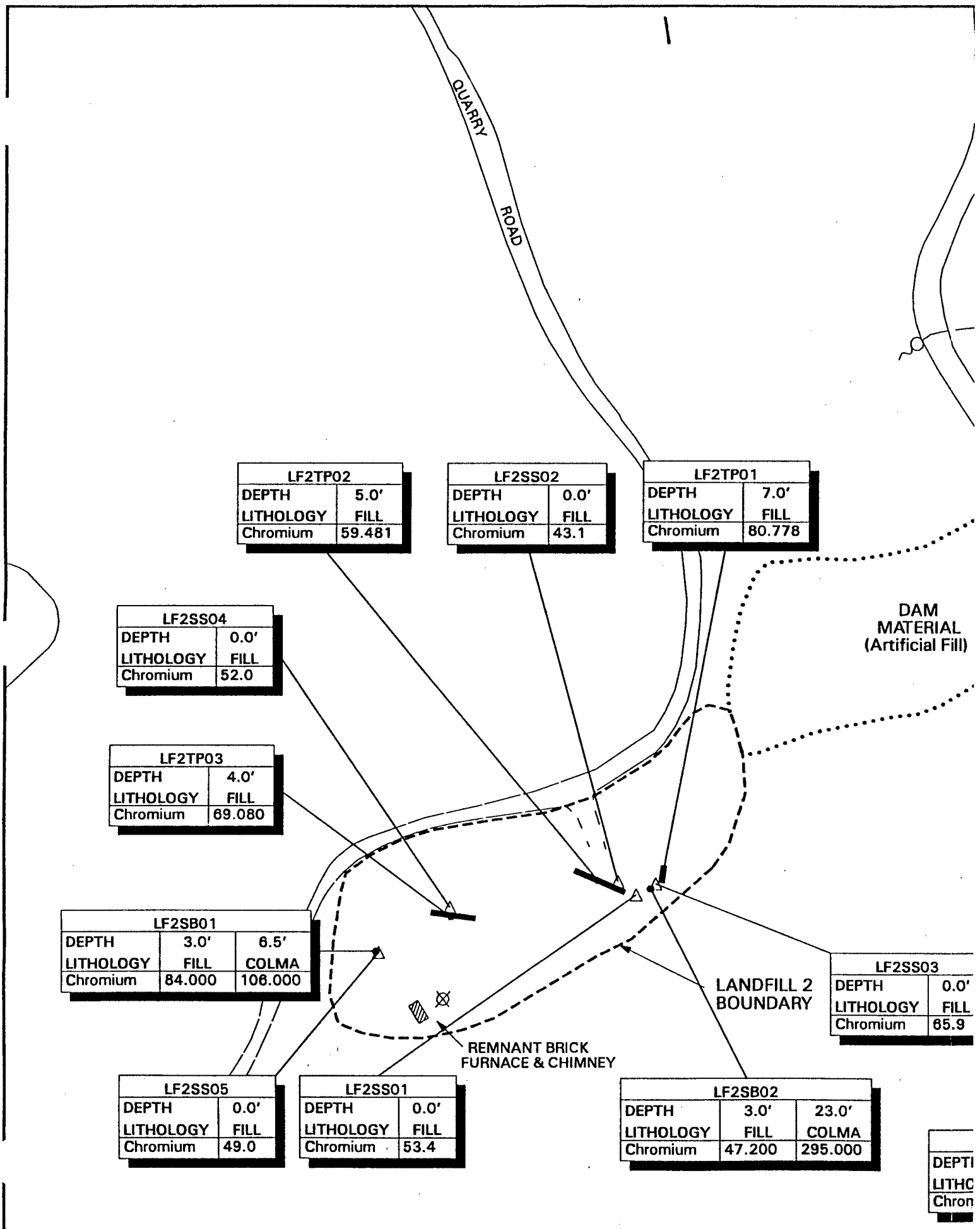
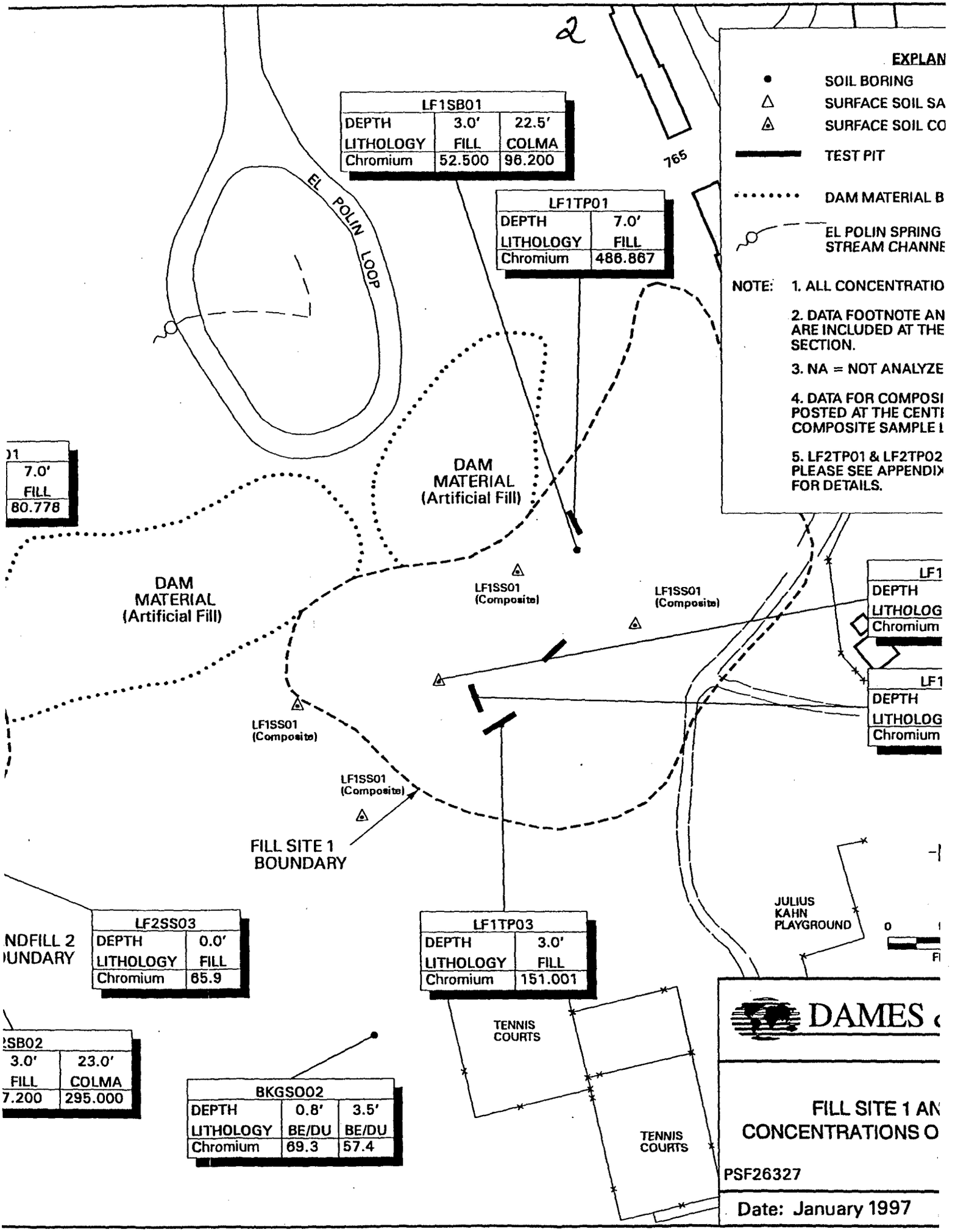
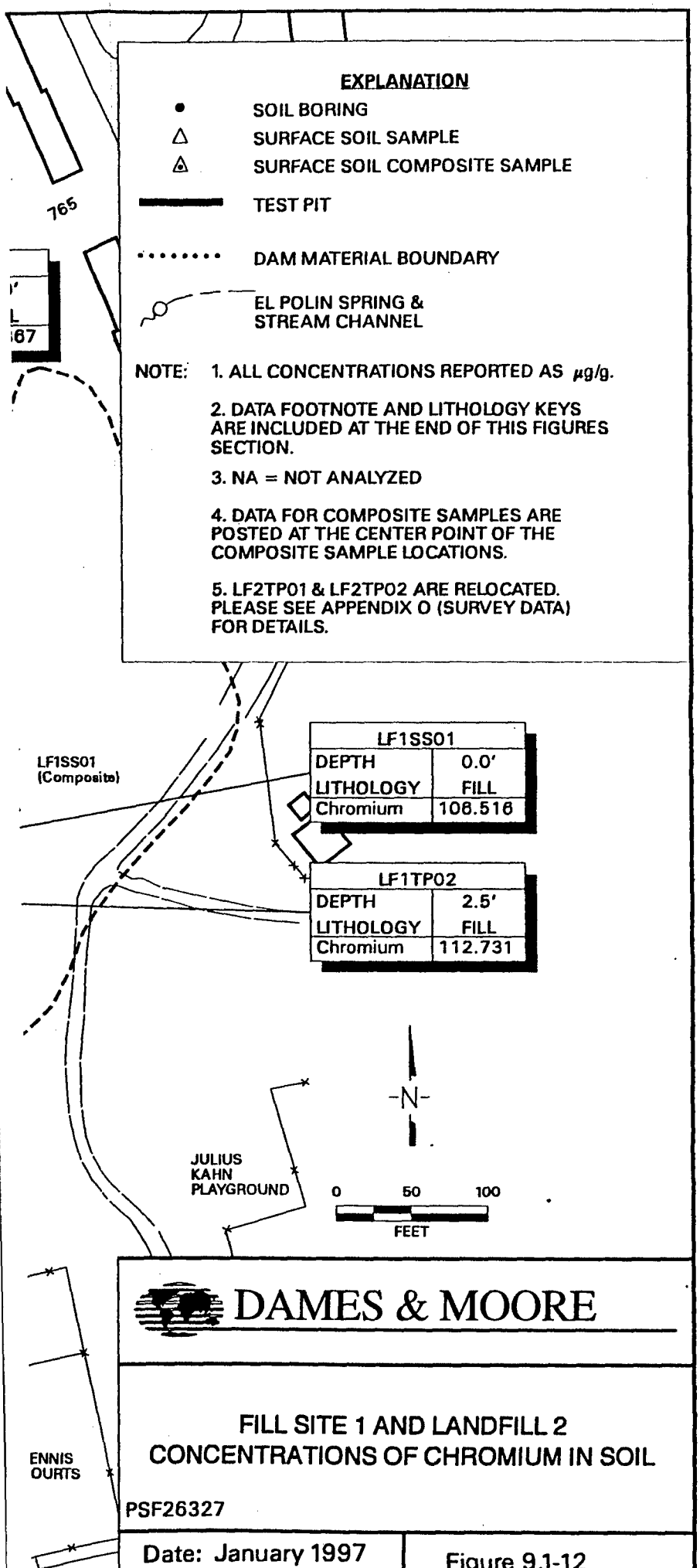


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLAN
SOIL BORING
SURFACE SOIL SA
SURFACE SOIL CO
TEST PIT
DAM MATERIAL B
EL POLIN SPRING
STREAM CHANNE
NOTE: 1. ALL CONCENTRATIO
2. DATA FOOTNOTE AN
ARE INCLUDED AT THE
SECTION.
3. NA = NOT ANALYZE
4. DATA FOR COMPOSI
POSTED AT THE CENTI
COMPOSITE SAMPLE L
5. LF2TP01 & LF2TP02
PLEASE SEE APPENDIX
FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Chromium 52.500 96.200
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Chromium 486.867
01
7.0'
FILL
80.778
EL POLIN LOOP
765
DAM
MATERIAL
(Artificial Fill)
DAM
MATERIAL
(Artificial Fill)
LF1SS01
(Composite)
LF1SS01
(Composite)
LF1SS01
(Composite)
LF1SS01
(Composite)
LF1
DEPTH
LITHOLOG
Chromium
LF1
DEPTH
LITHOLOG
Chromium
FILL SITE 1
BOUNDARY
NDFILL 2
UNDARY
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Chromium 65.9
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Chromium 151.001
JULIUS
KAHN
PLAYGROUND
0
SB02
3.0' 23.0'
FILL COLMA
7.200 295.000
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Chromium 69.3 57.4
TENNIS
COURTS
TENNIS
COURTS
DAMES
FILL SITE 1 AN
CONCENTRATIONS O
PSF26327
Date: January 1997

3



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26327

Date: January 1997

Figure 9.1-12

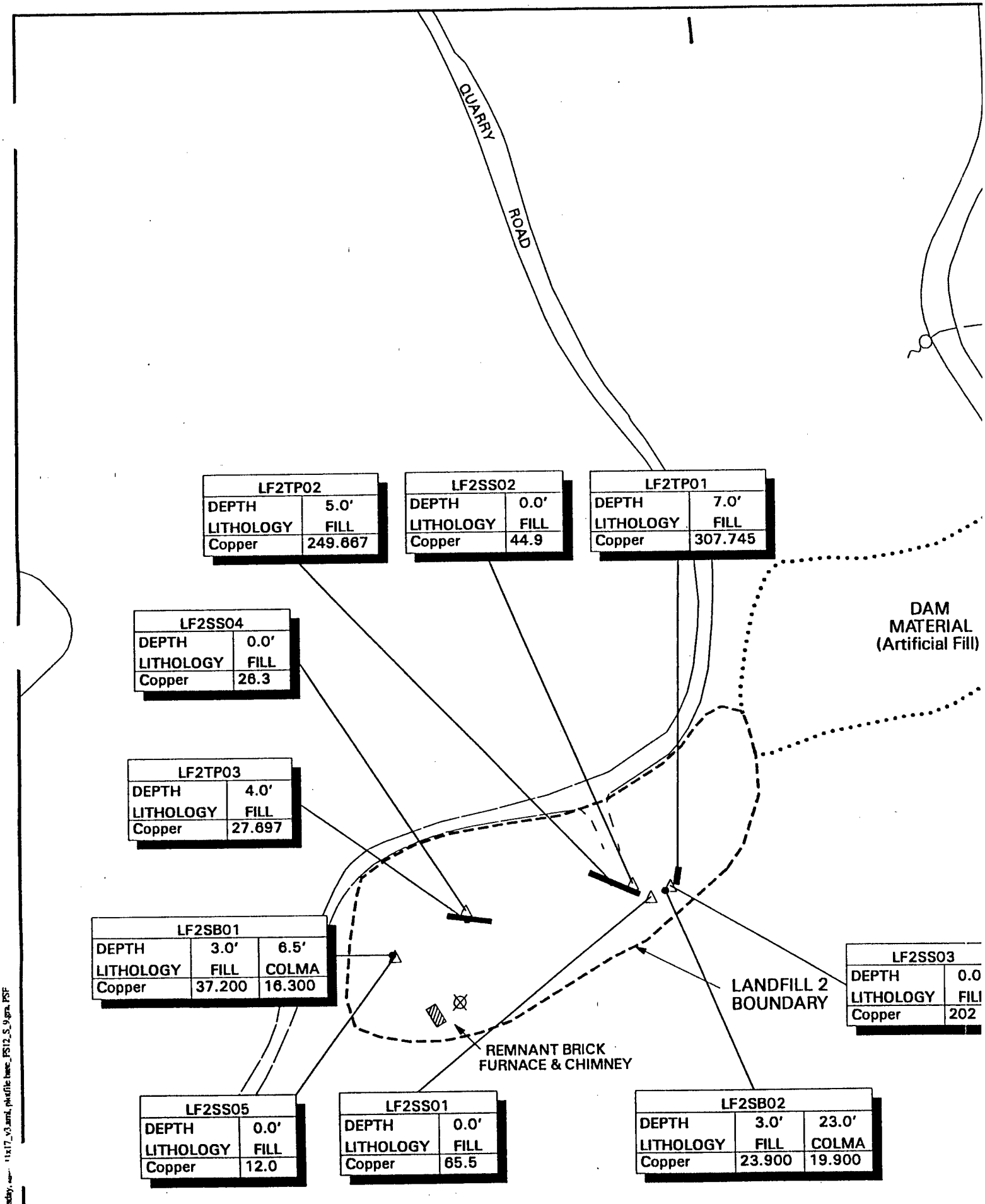
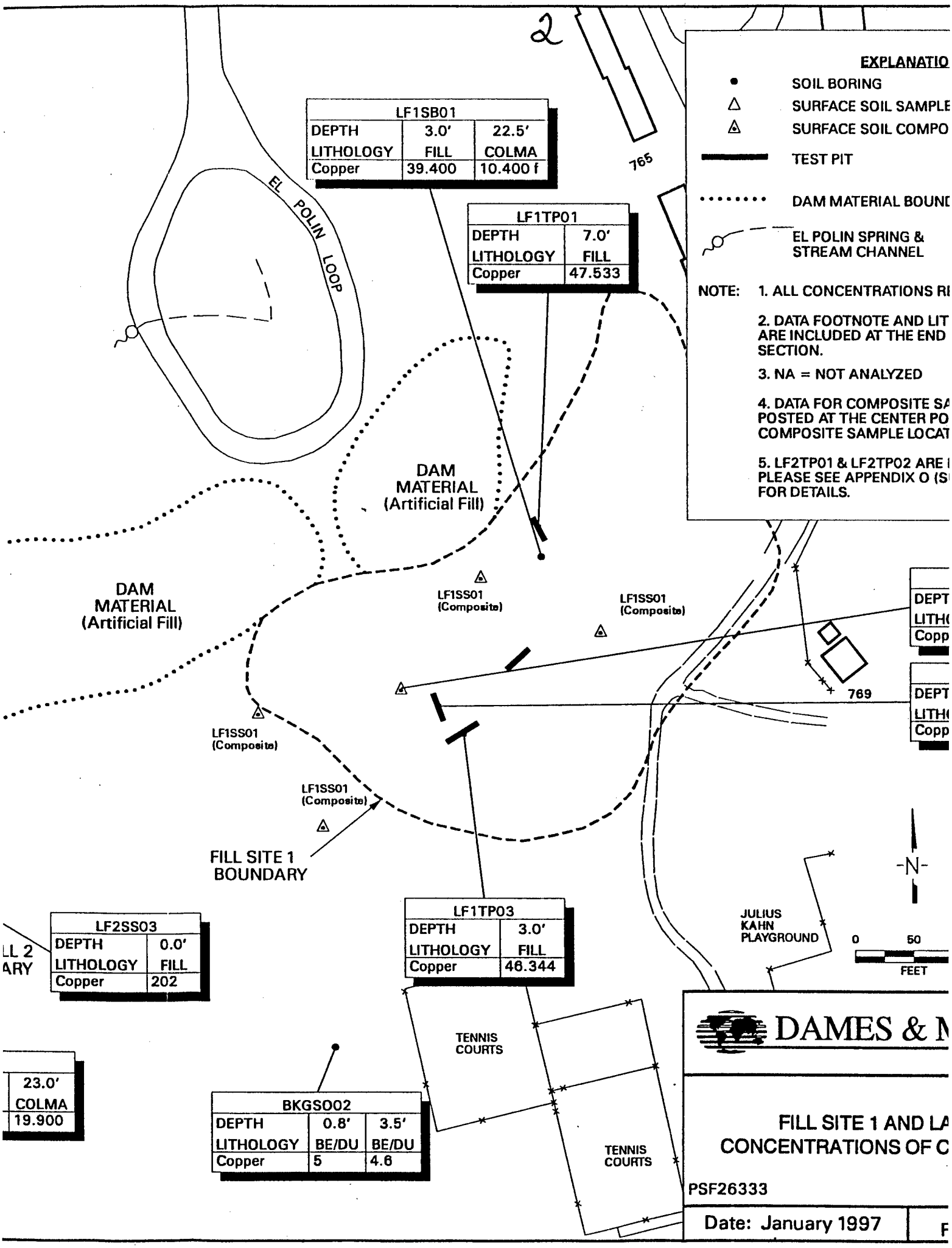
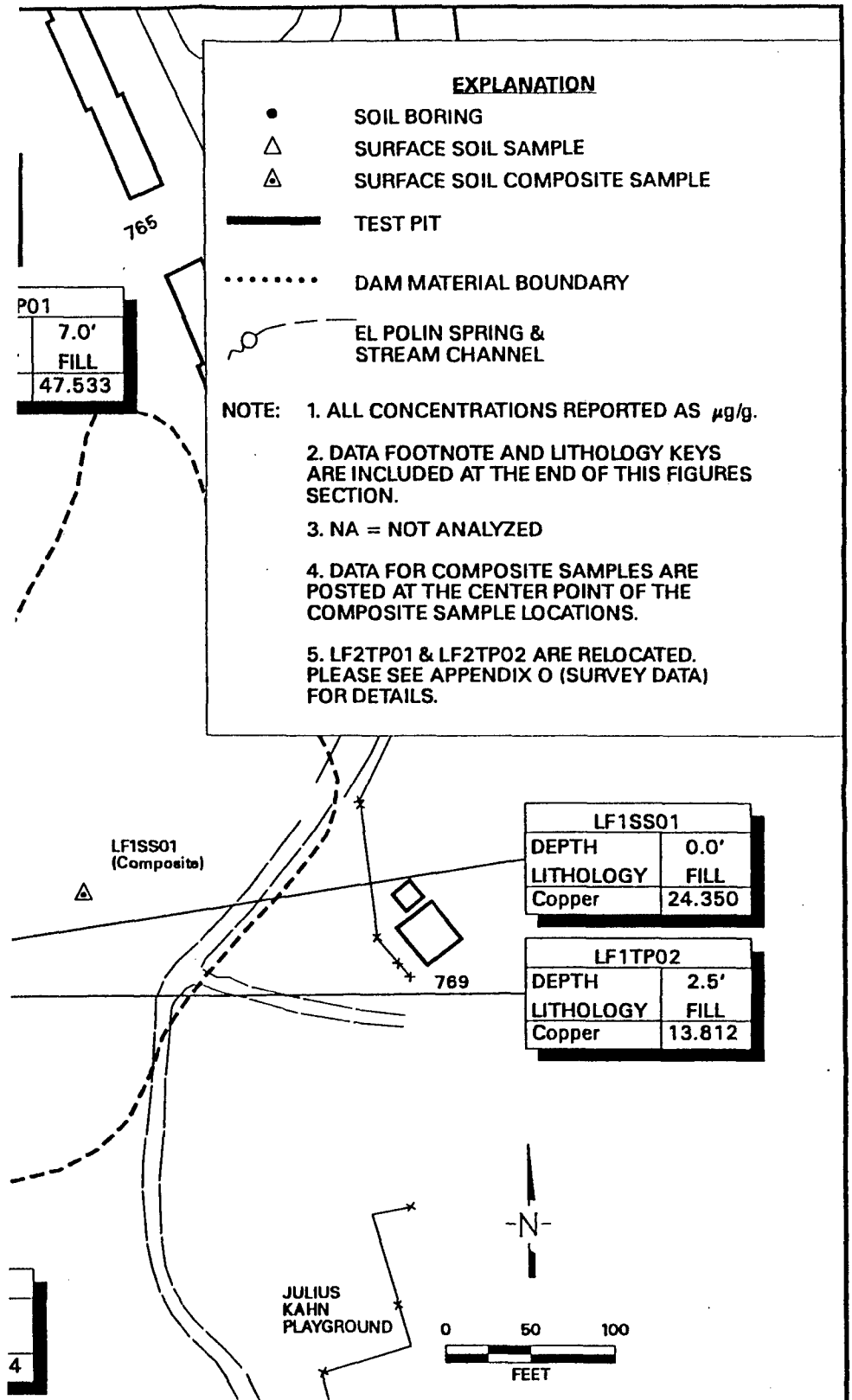


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05 Sep 96 10:54:42 Thursday, ... 11x17_v3.aml, pltdfile base_FS12_5_9.gra, PSF


2
EXPLANATIO
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPO
TEST PIT
DAM MATERIAL BOUND
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS RI
2. DATA FOOTNOTE AND LIT ARE INCLUDED AT THE END SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SA POSTED AT THE CENTER PO COMPOSITE SAMPLE LOCAT
5. LF2TP01 & LF2TP02 ARE PLEASE SEE APPENDIX O (S FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Copper 39.400 10.400 f
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Copper 47.533
EL POLIN LOOP
765
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
769
FILL SITE 1 BOUNDARY
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Copper 202
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Copper 46.344
JULIUS KAHN PLAYGROUND
-N-
0 50
FEET
TENNIS COURTS
TENNIS COURTS
23.0'
COLMA
19.900
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Copper 5 4.6
DAMES & M
FILL SITE 1 AND LA
CONCENTRATIONS OF C
PSF26333
Date: January 1997



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF COPPER IN SOIL

PSF26333

Date: January 1997

Figure 9.1-13

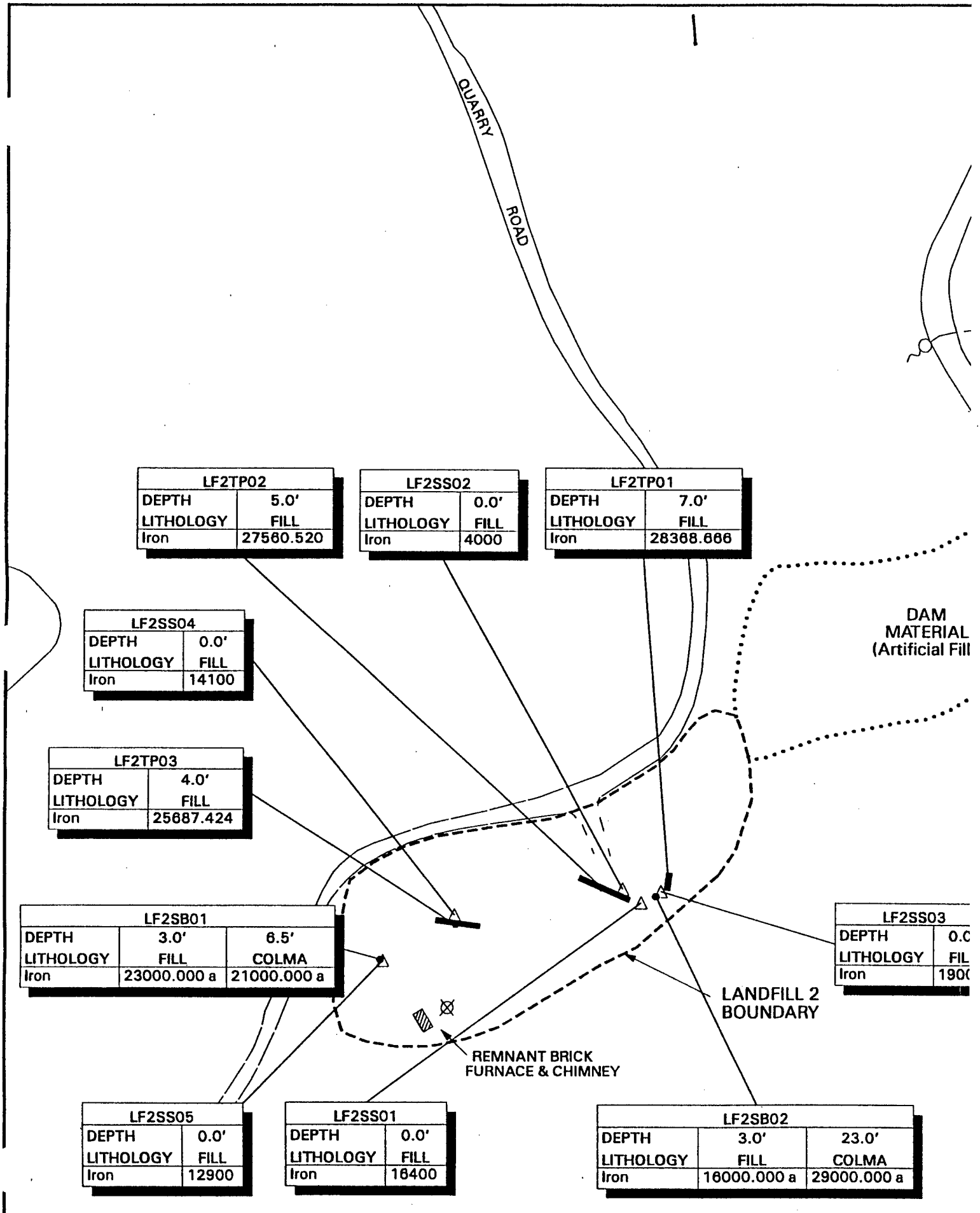


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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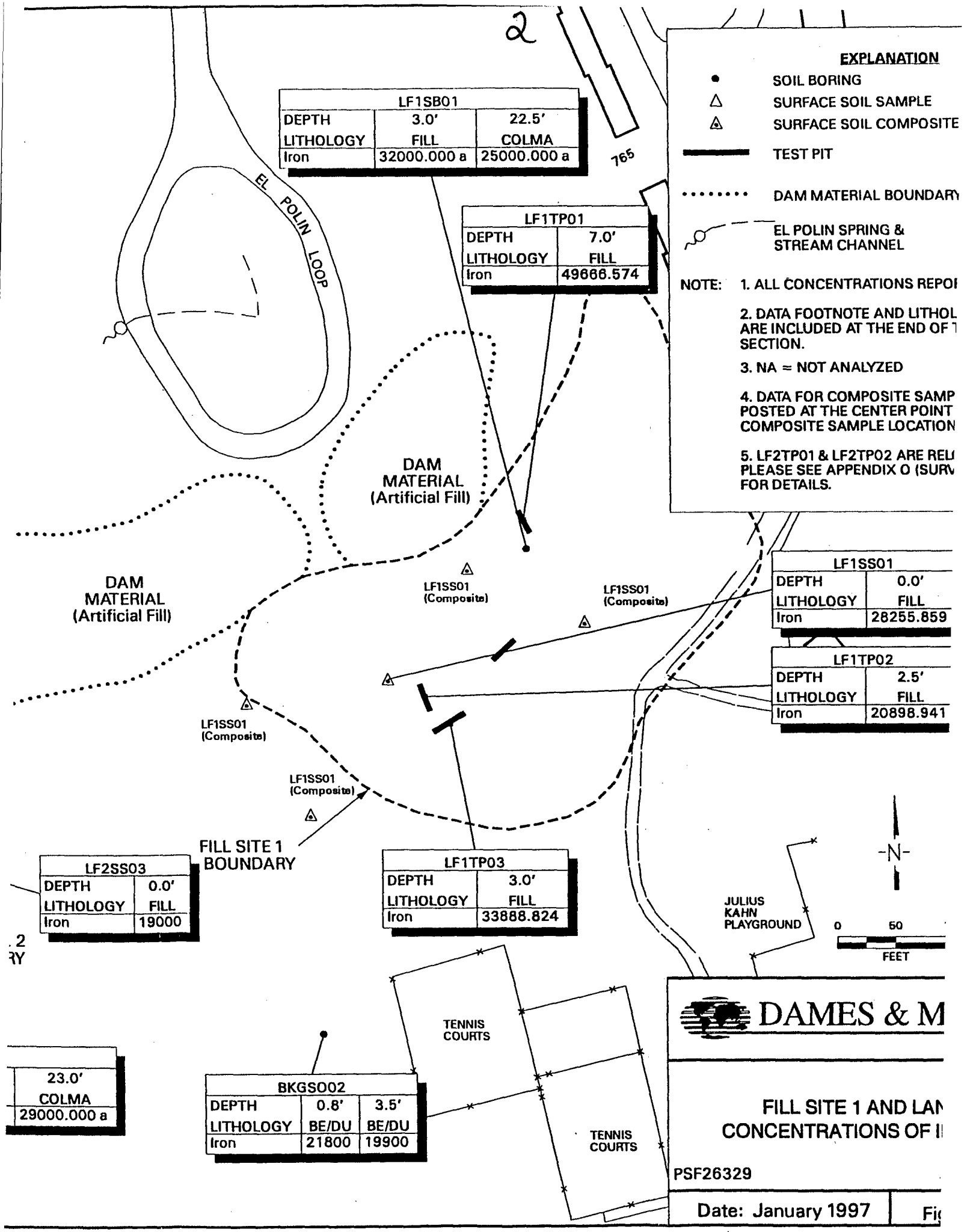
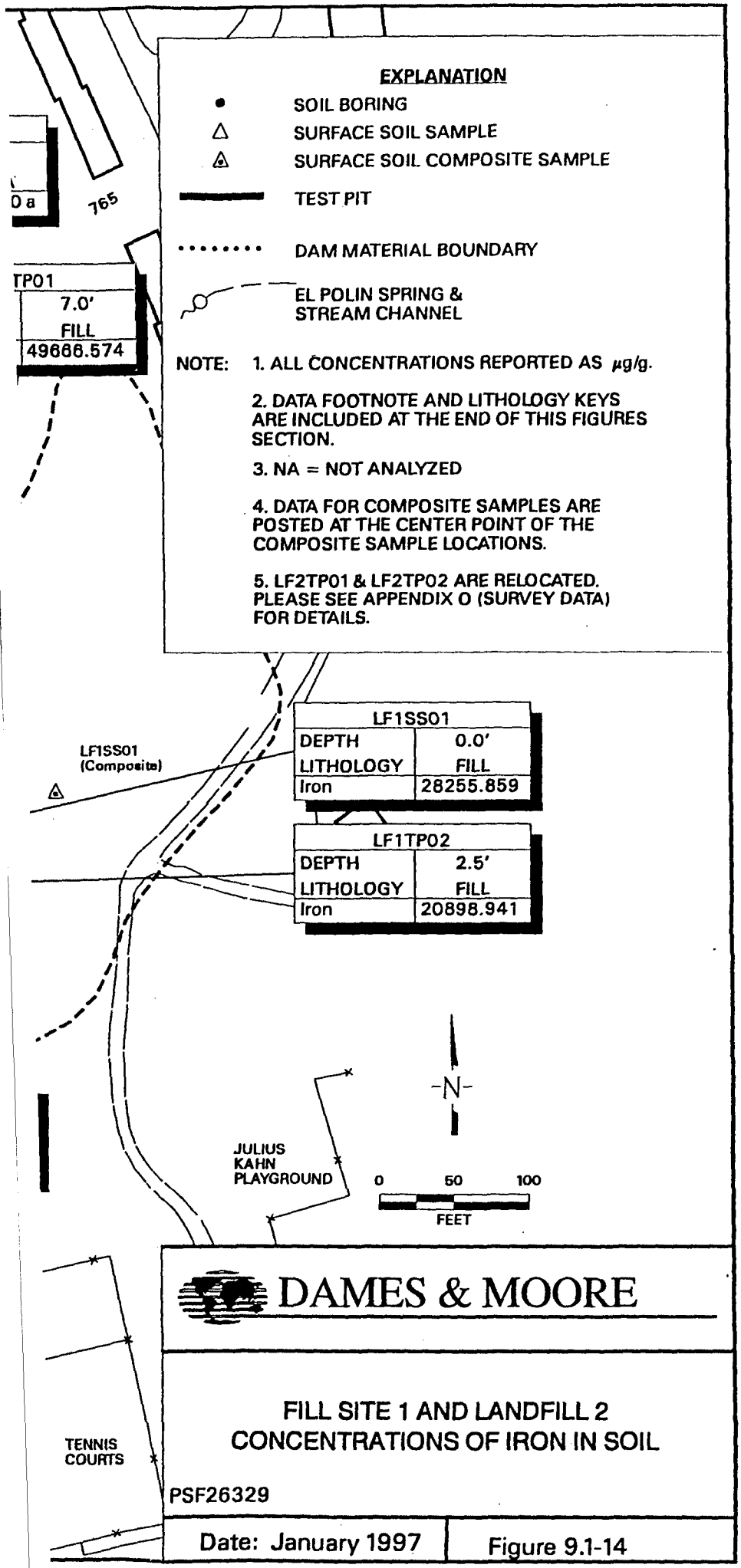

2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSITE
TEST PIT
DAM MATERIAL BOUNDARY
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REPOI
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF T SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMP POSTED AT THE CENTER POINT COMPOSITE SAMPLE LOCATION
5. LF2TP01 & LF2TP02 ARE REL PLEASE SEE APPENDIX O (SURV FOR DETAILS.
EL POLIN LOOP
765
LF1SB01
DEPTH | 3.0' FILL | 22.5' COLMA
Iron | 32000.000 a | 25000.000 a
LF1TP01
DEPTH | 7.0' FILL
Iron | 49666.574
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01
DEPTH | 0.0' FILL
Iron | 28255.859
LF1TP02
DEPTH | 2.5' FILL
Iron | 20898.941
FILL SITE 1 BOUNDARY
LF2SS03
DEPTH | 0.0' FILL
Iron | 19000
LF1TP03
DEPTH | 3.0' FILL
Iron | 33888.824
JULIUS KAHN PLAYGROUND
-N-
0 50
FEET
TENNIS COURTS
TENNIS COURTS
BKGSO02
DEPTH | 0.8' BE/DU | 3.5' BE/DU
Iron | 21800 | 19900
23.0' COLMA
29000.000 a
DAMES & M
FILL SITE 1 AND LAN
CONCENTRATIONS OF I
PSF26329
Date: January 1997



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF IRON IN SOIL

PSF26329

Date: January 1997 | Figure 9.1-14

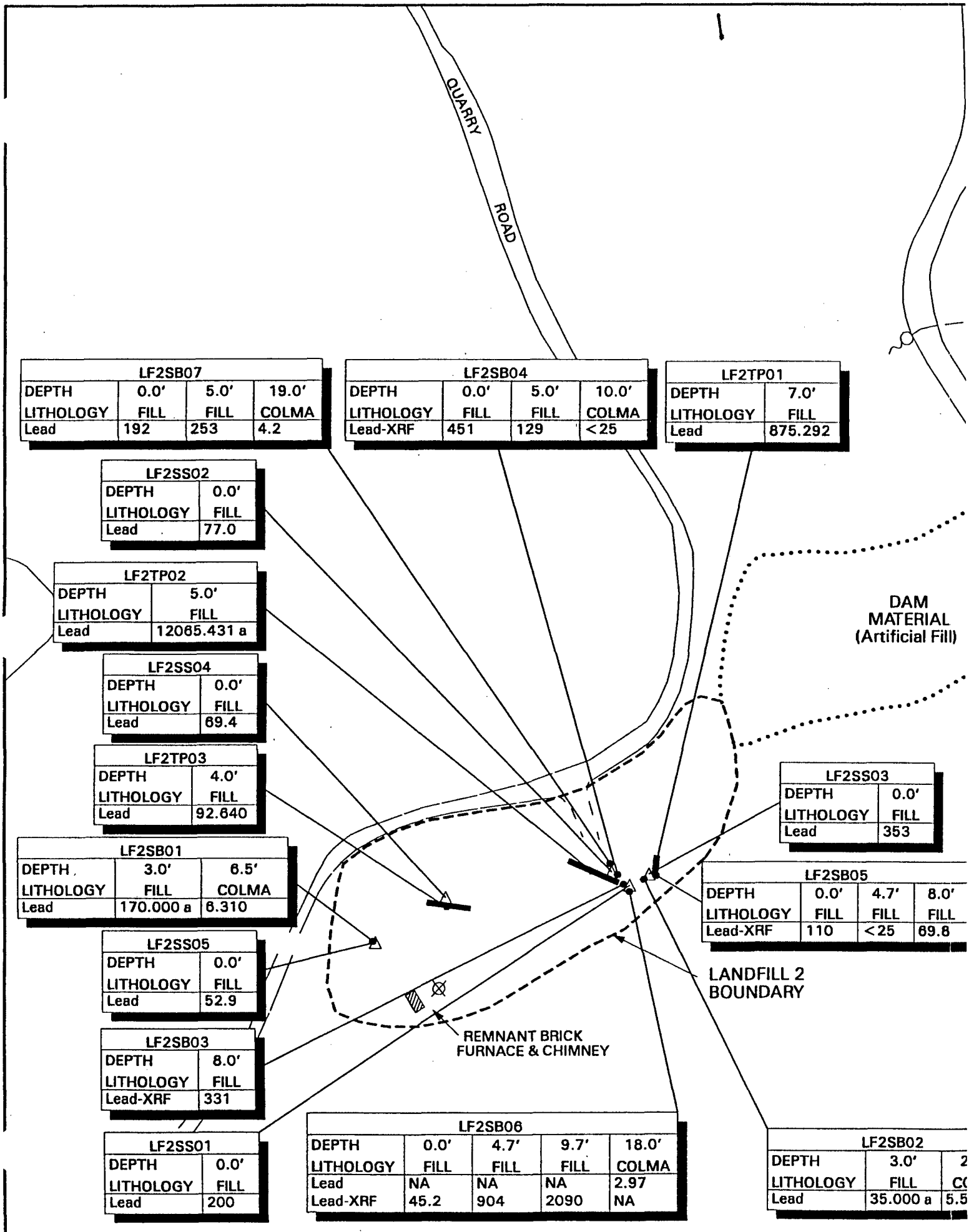
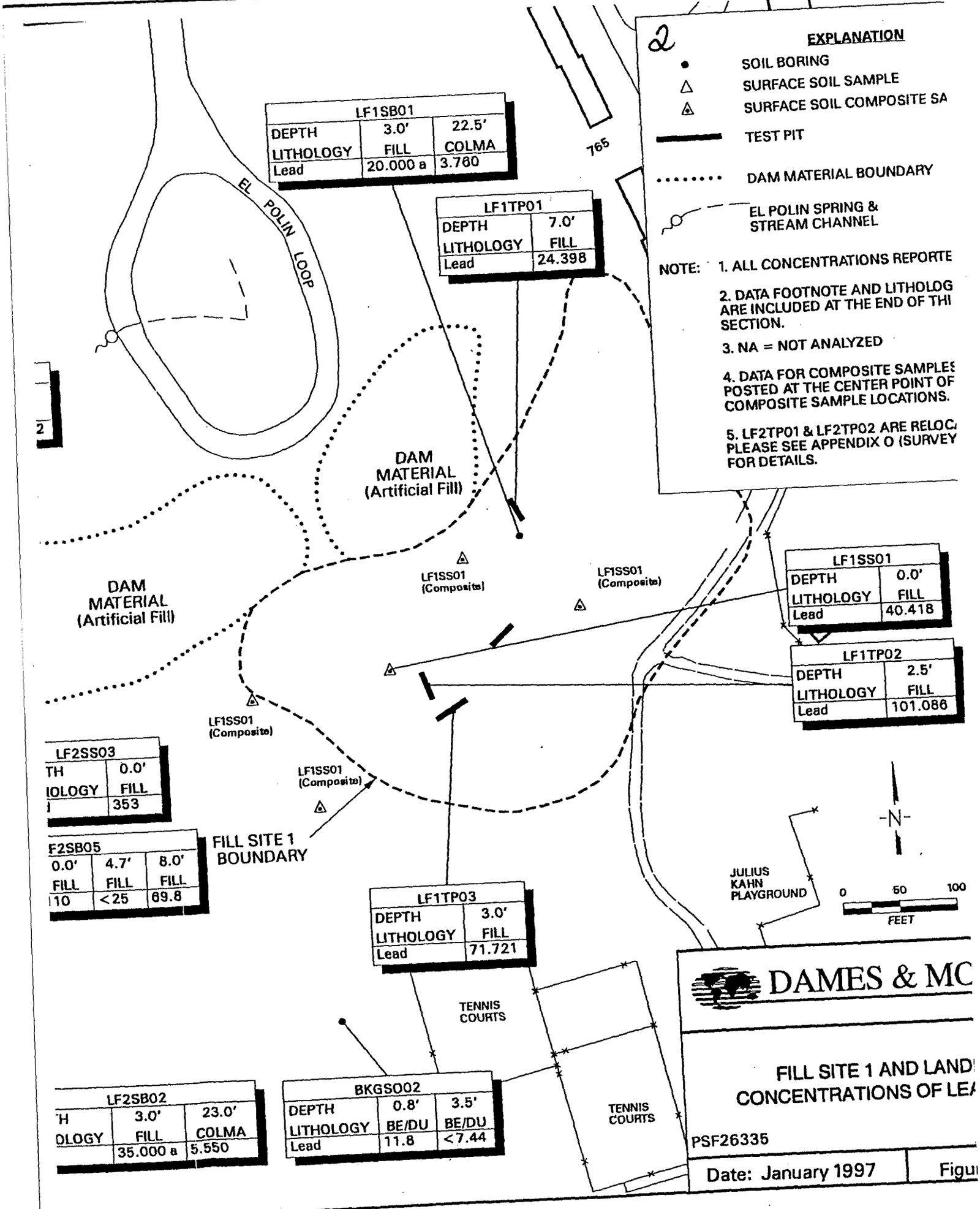
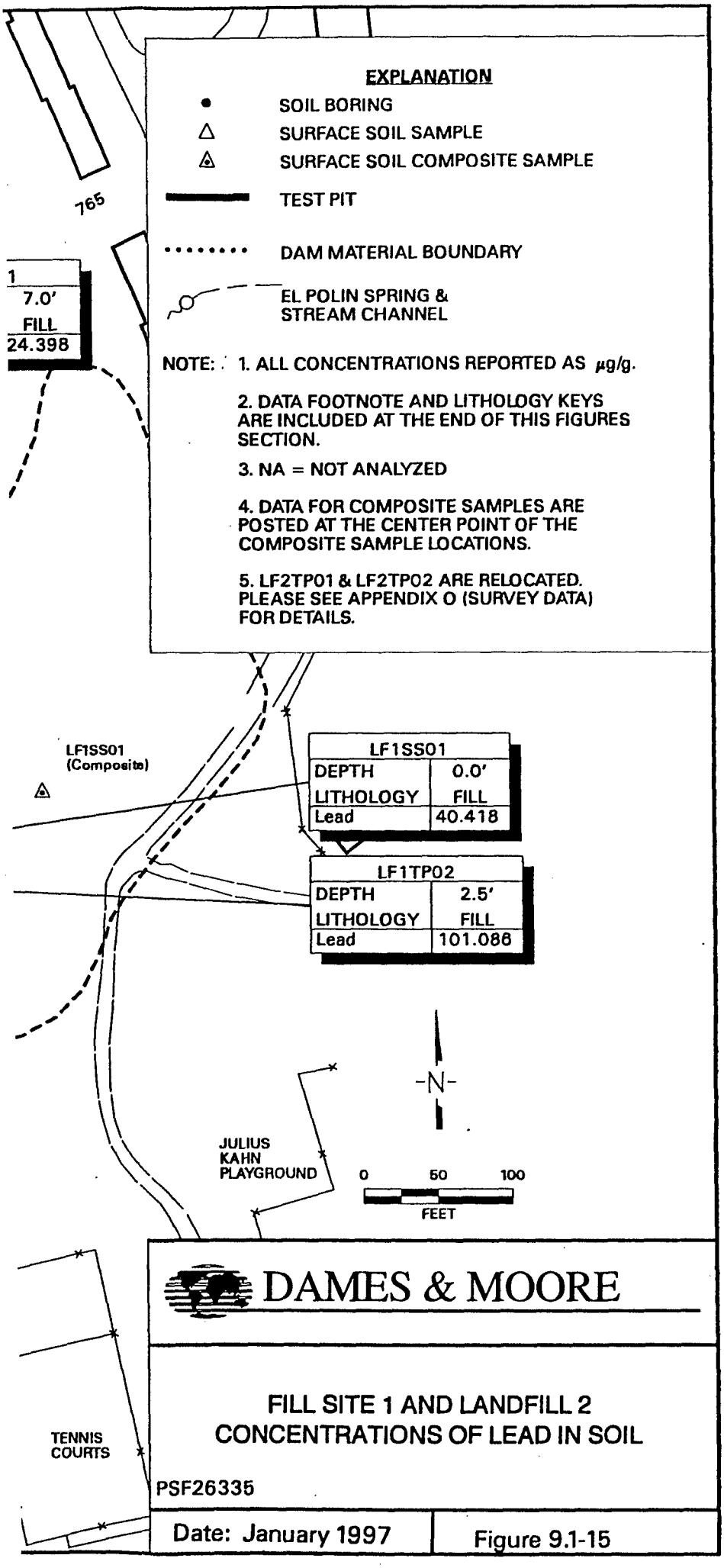


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSITE SA
TEST PIT
DAM MATERIAL BOUNDARY
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOC PLEASE SEE APPENDIX O (SURVEY FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Lead 20.000 a 3.760
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Lead 24.398
765
EL POLIN LOOP
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01
DEPTH 0.0'
LITHOLOGY FILL
Lead 40.418
LF1TP02
DEPTH 2.5'
LITHOLOGY FILL
Lead 101.086
LF2SS03
TH 0.0'
IOLOGY FILL
353
F2SB05
0.0' 4.7' 8.0'
FILL FILL FILL
10 <25 69.8
FILL SITE 1 BOUNDARY
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Lead 71.721
JULIUS KAHN PLAYGROUND
TENNIS COURTS
TENNIS COURTS
LF2SB02
H 3.0' 23.0'
OLOGY FILL COLMA
35.000 a 5.550
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Lead 11.8 <7.44
-N-
0 50 100
FEET
DAMES & MC
FILL SITE 1 AND LAND
CONCENTRATIONS OF LE
PSF26335
Date: January 1997
Figu



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF LEAD IN SOIL

PSF26335

Date: January 1997

Figure 9.1-15

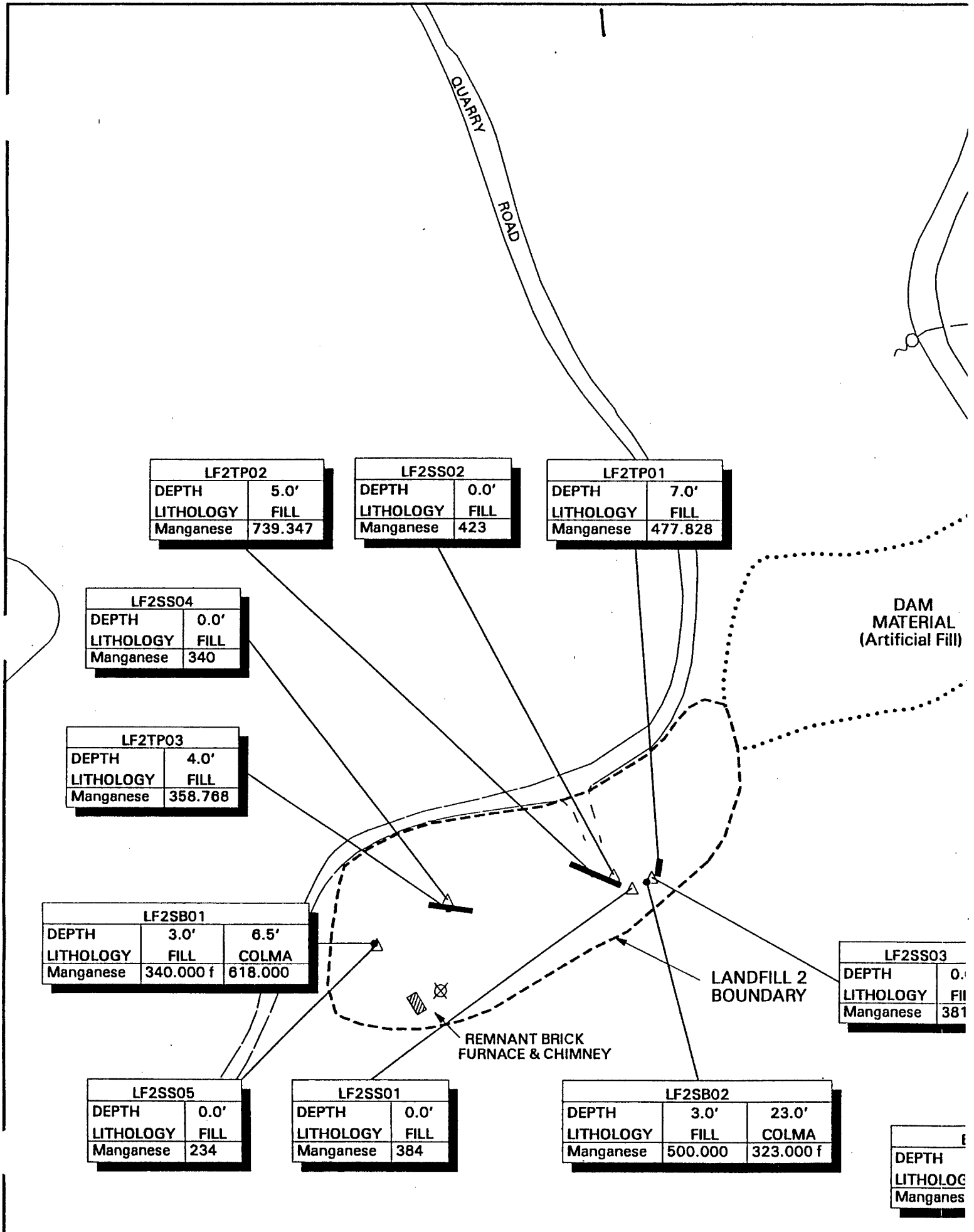
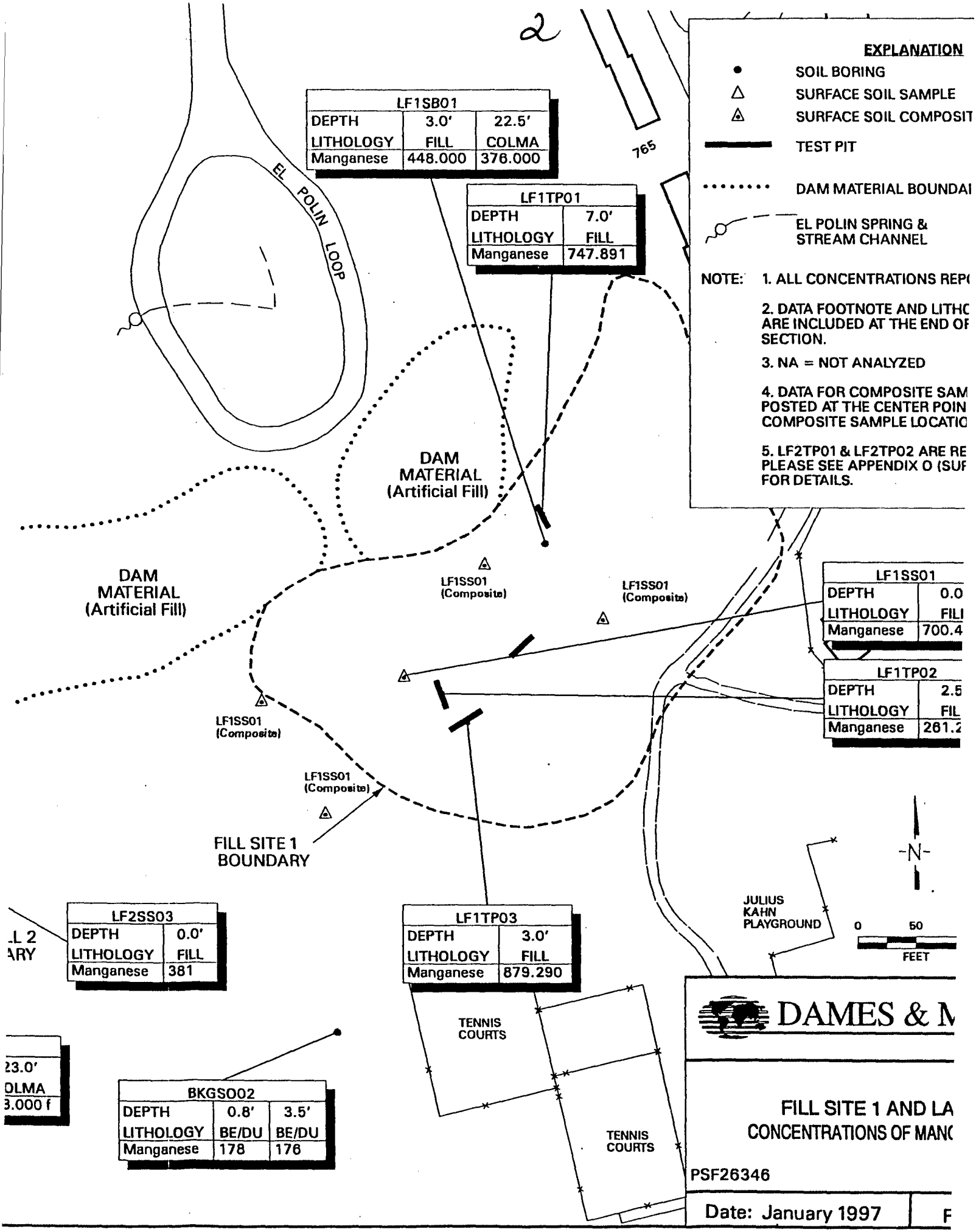
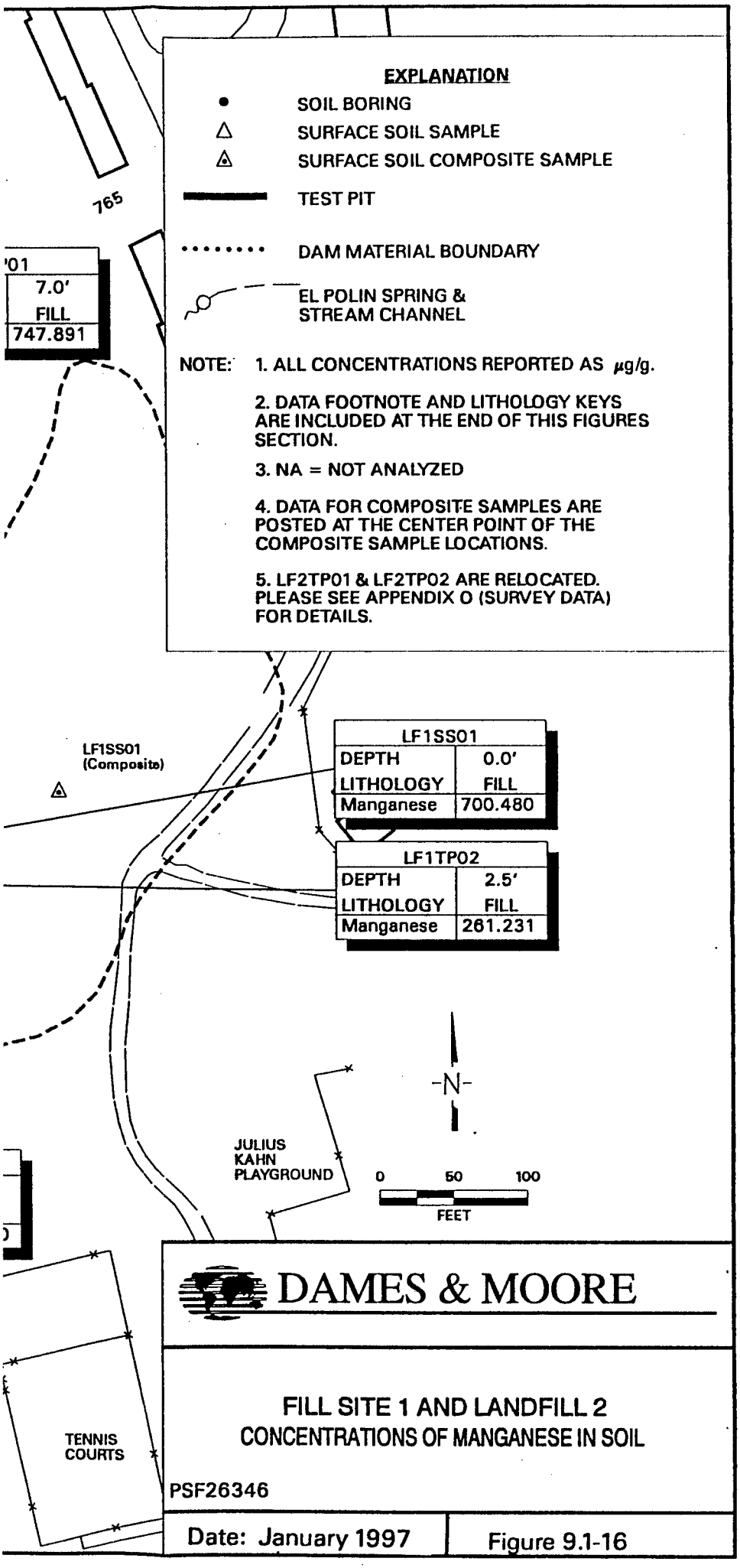


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSIT
TEST PIT
DAM MATERIAL BOUNDAI
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REP(
2. DATA FOOTNOTE AND LITHC ARE INCLUDED AT THE END OF SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAM POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATIO
5. LF2TP01 & LF2TP02 ARE RE PLEASE SEE APPENDIX O (SUF FOR DETAILS.
765
EL POLIN LOOP
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
FILL SITE 1 BOUNDARY
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Manganese 448.000 376.000
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Manganese 747.891
LF1SS01
DEPTH 0.0
LITHOLOGY FILI
Manganese 700.4
LF1TP02
DEPTH 2.5
LITHOLOGY FIL
Manganese 261.2
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Manganese 381
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Manganese 879.290
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Manganese 178 176
TENNIS COURTS
TENNIS COURTS
JULIUS KAHN PLAYGROUND
-N-
0 50
FEET
DAMES & M
FILL SITE 1 AND LA
CONCENTRATIONS OF MANC
PSF26346
Date: January 1997



EXPLANATION

- SOIL BORING
- SURFACE SOIL SAMPLE
- SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE:
1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.

DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26346

Date: January 1997

Figure 9.1-16

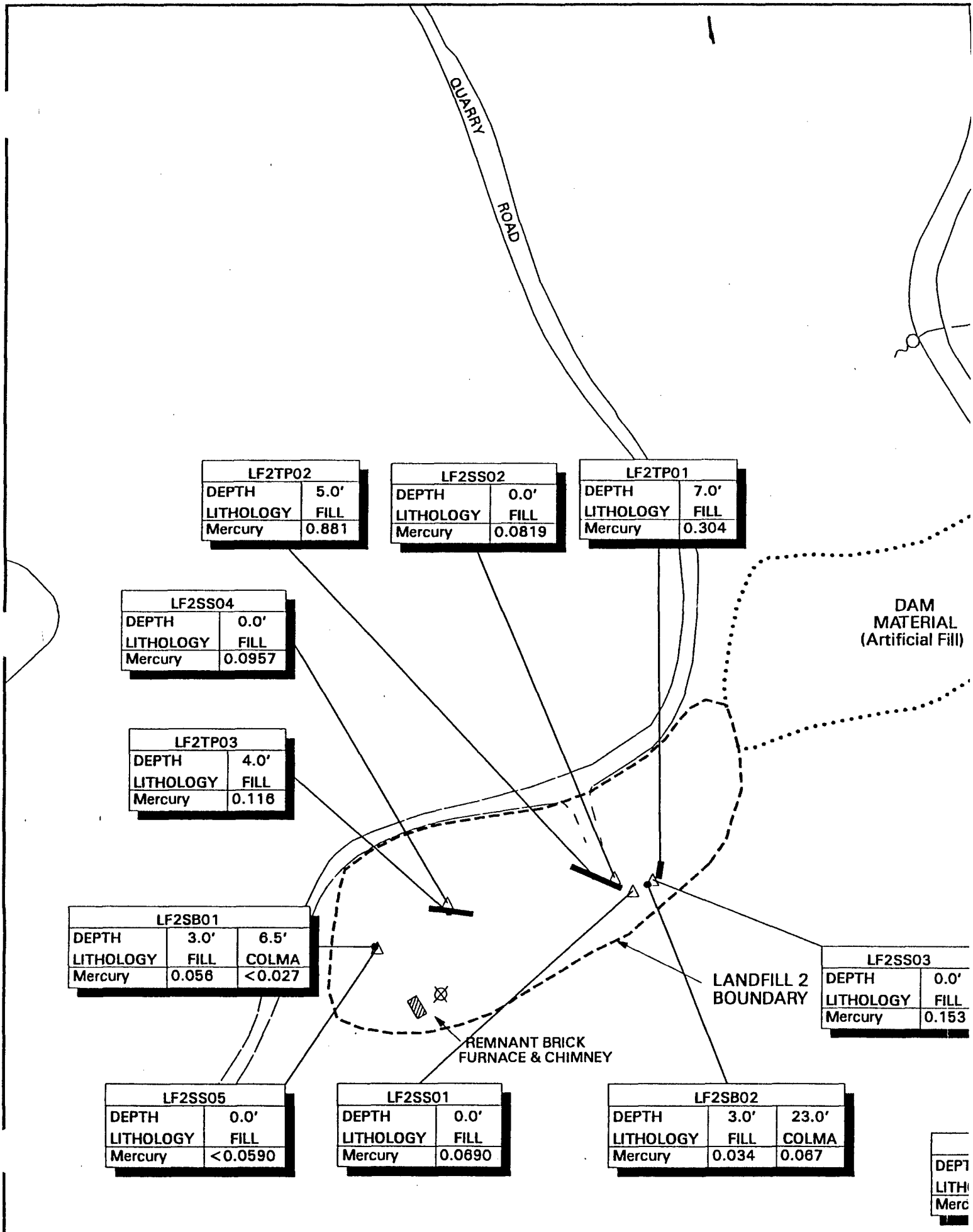
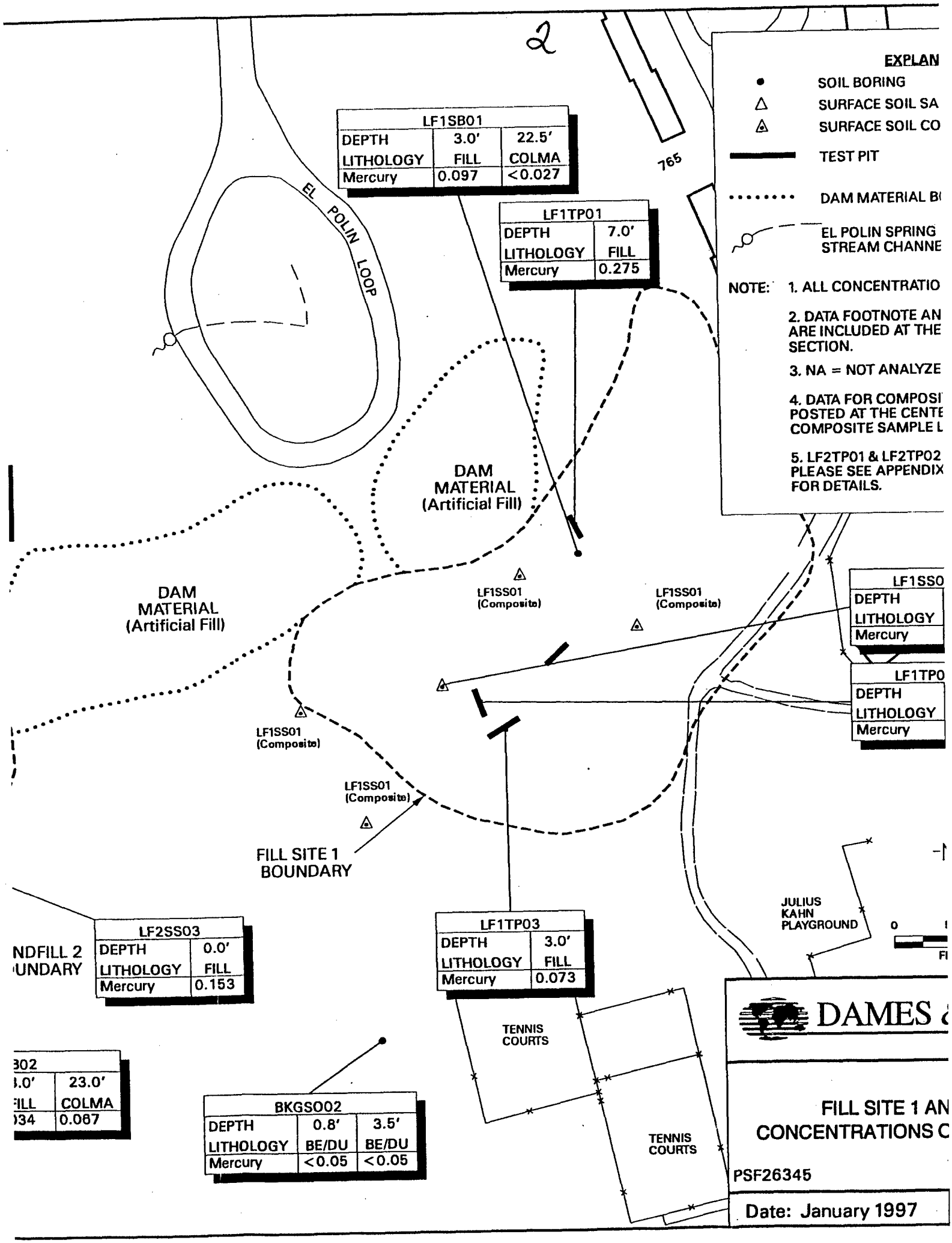
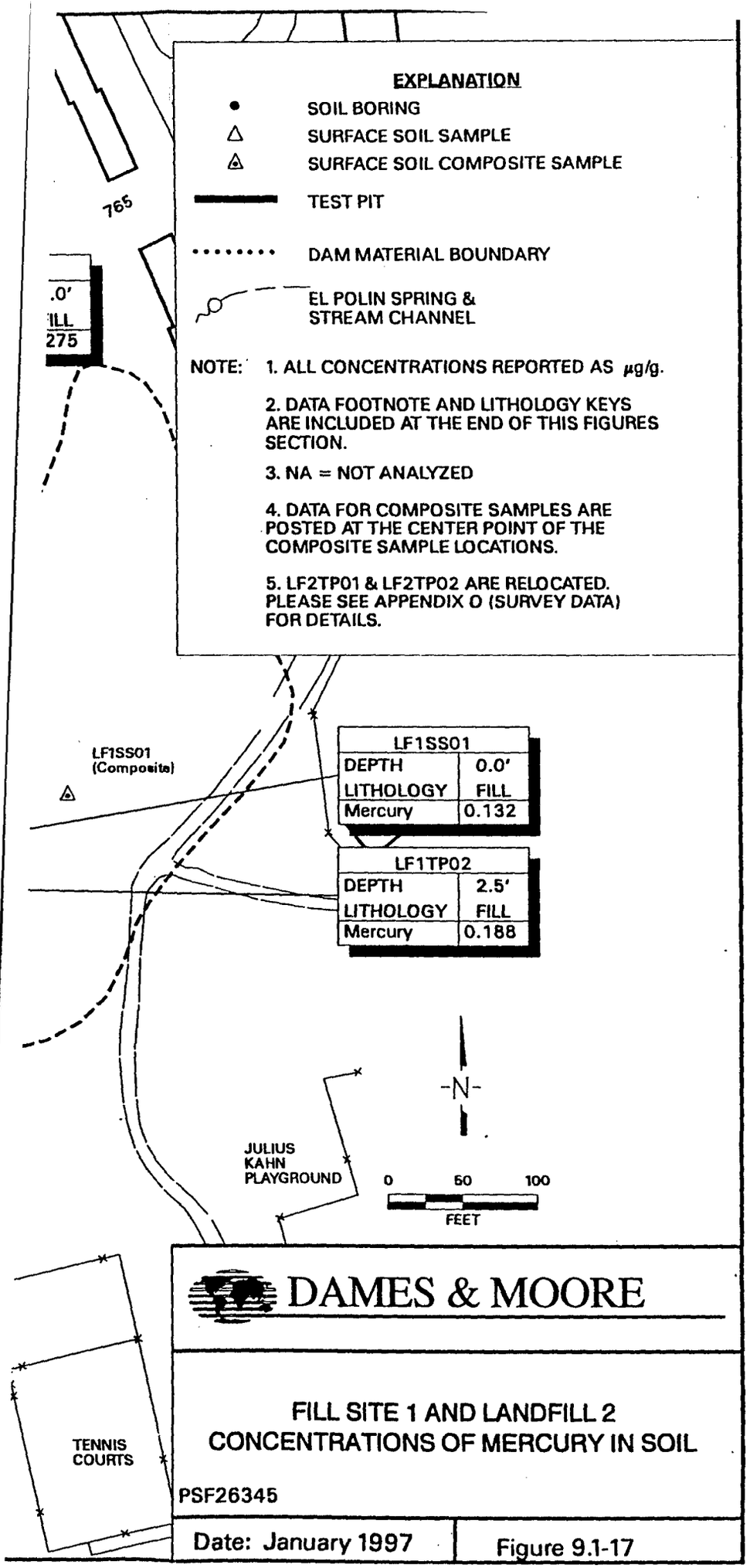


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLAN
SOIL BORING
SURFACE SOIL SA
SURFACE SOIL CO
TEST PIT
DAM MATERIAL B
EL POLIN SPRING
STREAM CHANNE
NOTE: 1. ALL CONCENTRATIO
2. DATA FOOTNOTE AN
ARE INCLUDED AT THE
SECTION.
3. NA = NOT ANALYZE
4. DATA FOR COMPOSI
POSTED AT THE CENTE
COMPOSITE SAMPLE L
5. LF2TP01 & LF2TP02
PLEASE SEE APPENDIX
FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Mercury 0.097 <0.027
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Mercury 0.275
EL POLIN LOOP
765
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SSO
DEPTH
LITHOLOGY
Mercury
LF1TPO
DEPTH
LITHOLOGY
Mercury
FILL SITE 1 BOUNDARY
NDFILL 2
UNDARY
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Mercury 0.153
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Mercury 0.073
JULIUS KAHN PLAYGROUND
TENNIS COURTS
TENNIS COURTS
302
.0' 23.0'
ILL COLMA
034 0.067
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Mercury <0.05 <0.05
DAMES
FILL SITE 1 AN
CONCENTRATIONS C
PSF26345
Date: January 1997

3



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF MERCURY IN SOIL

PSF26345

Date: January 1997 | Figure 9.1-17

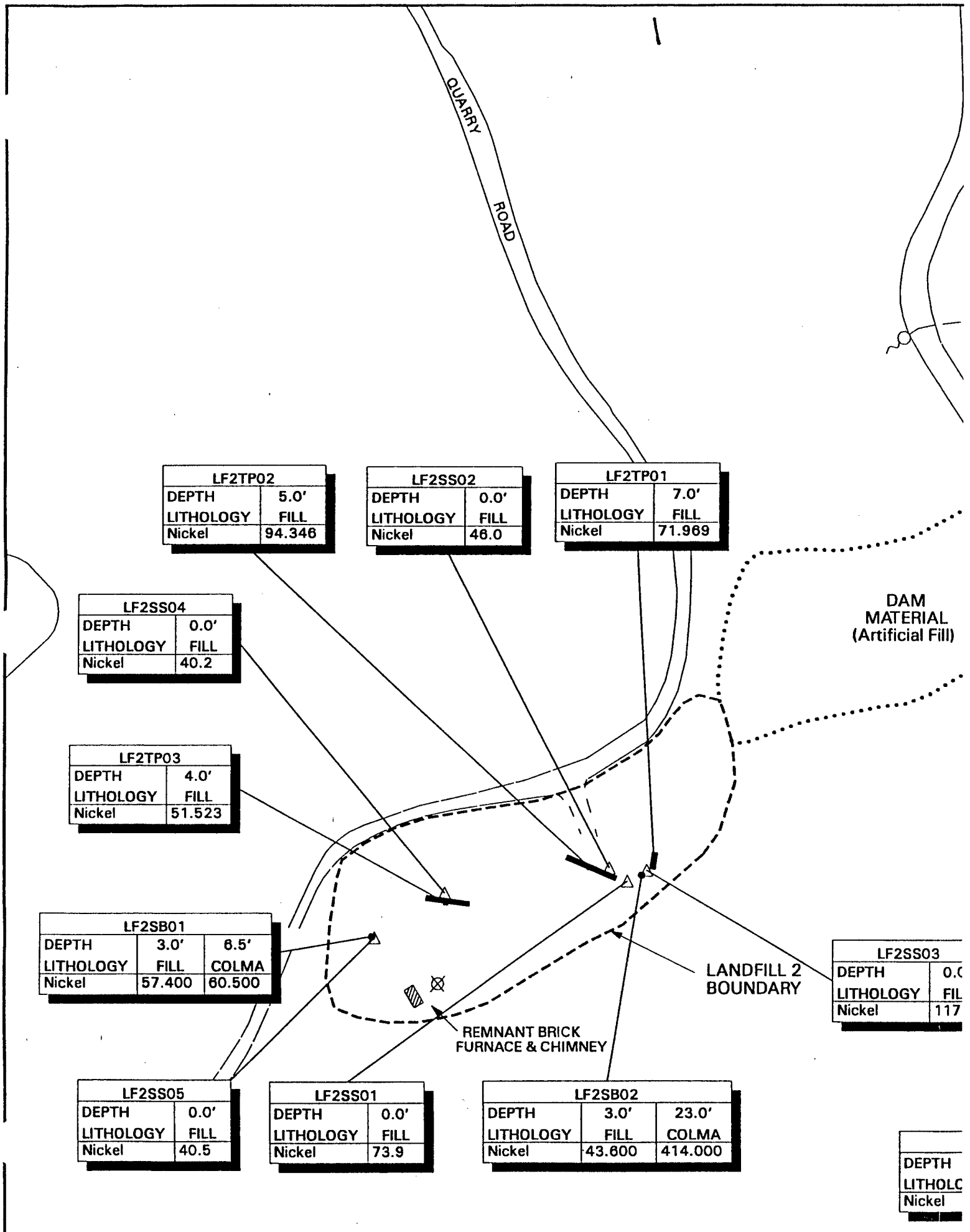
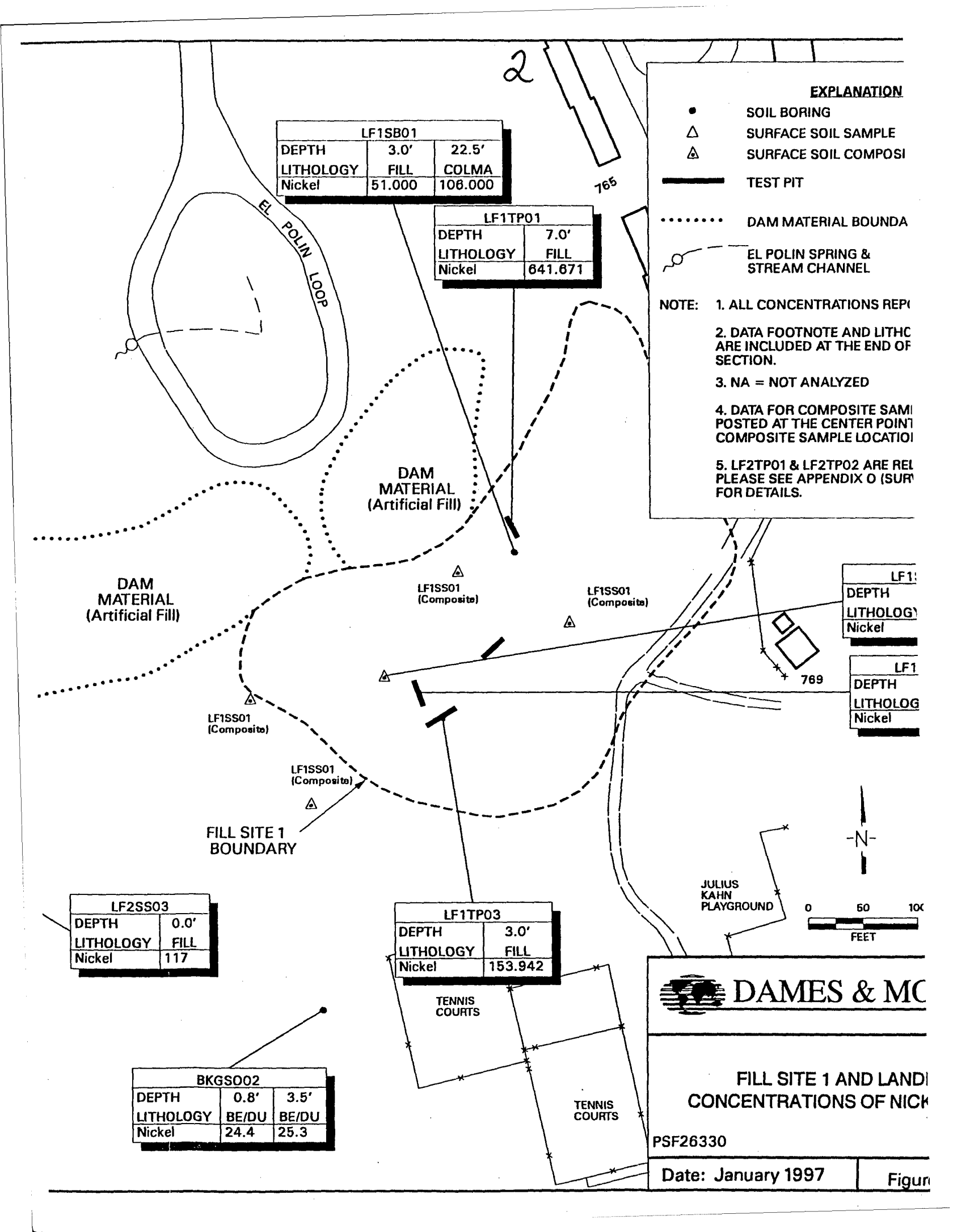
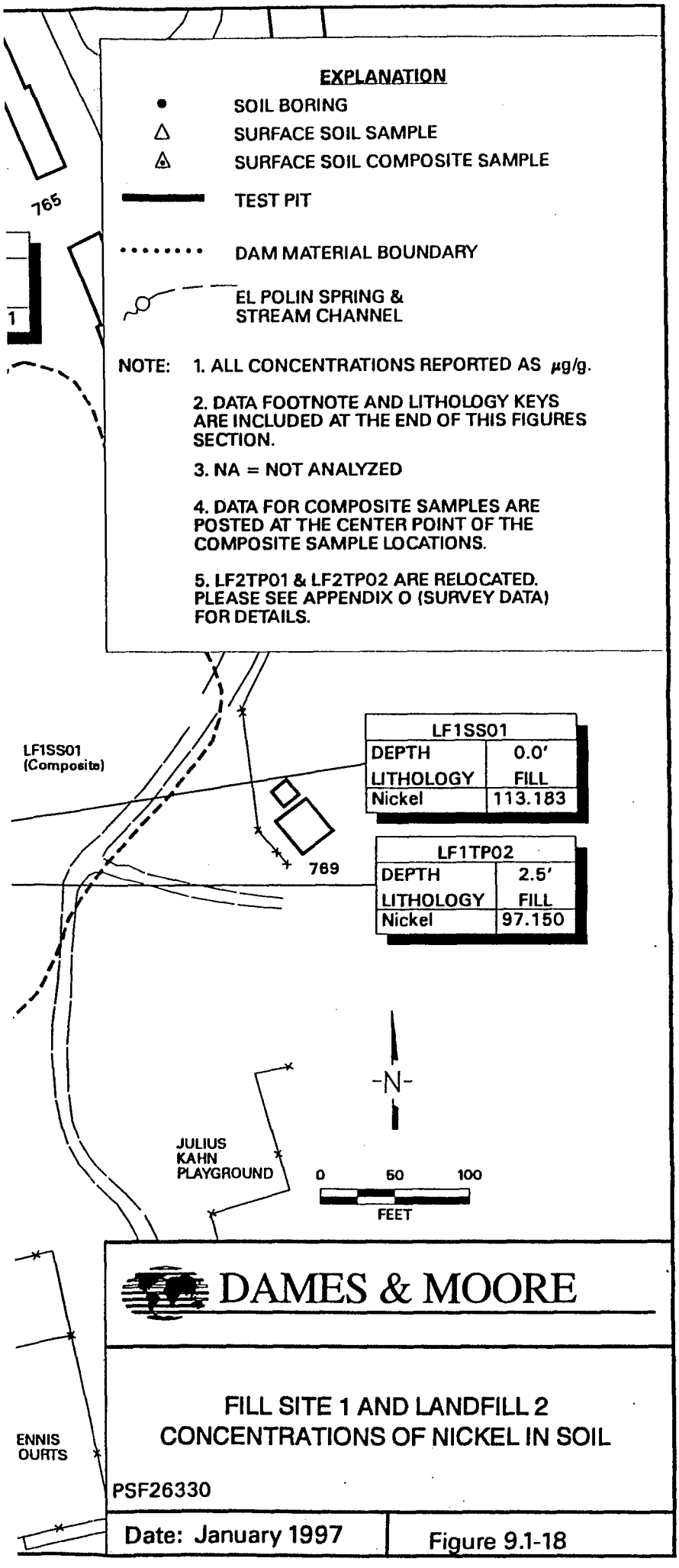


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSI
TEST PIT
DAM MATERIAL BOUNDA
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REP(
2. DATA FOOTNOTE AND LITHC ARE INCLUDED AT THE END OF SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMI POSTED AT THE CENTER POINT COMPOSITE SAMPLE LOCATIOI
5. LF2TP01 & LF2TP02 ARE REL PLEASE SEE APPENDIX O (SUR FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Nickel 51.000 106.000
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Nickel 641.671
EL POLIN LOOP
765
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1
DEPTH
LITHOLOGY
Nickel
LF1
DEPTH
LITHOLOG
Nickel
769
FILL SITE 1 BOUNDARY
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Nickel 117
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Nickel 153.942
TENNIS COURTS
TENNIS COURTS
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Nickel 24.4 25.3
-N-
JULIUS KAHN PLAYGROUND
0 50 10(
FEET
DAMES & MC
FILL SITE 1 AND LANDI
CONCENTRATIONS OF NICK
PSF26330
Date: January 1997
Figur

3



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF NICKEL IN SOIL

PSF26330

Date: January 1997

Figure 9.1-18

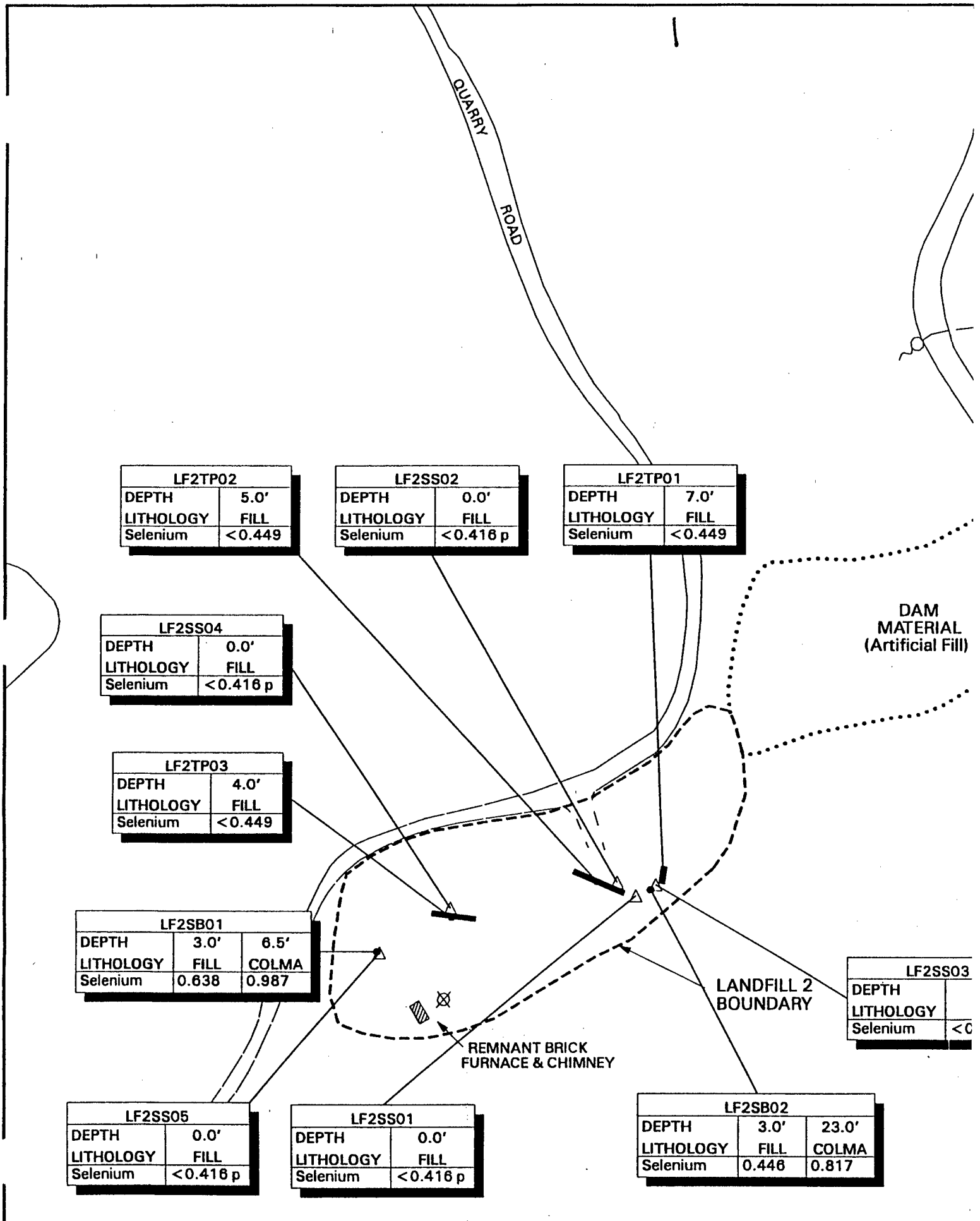
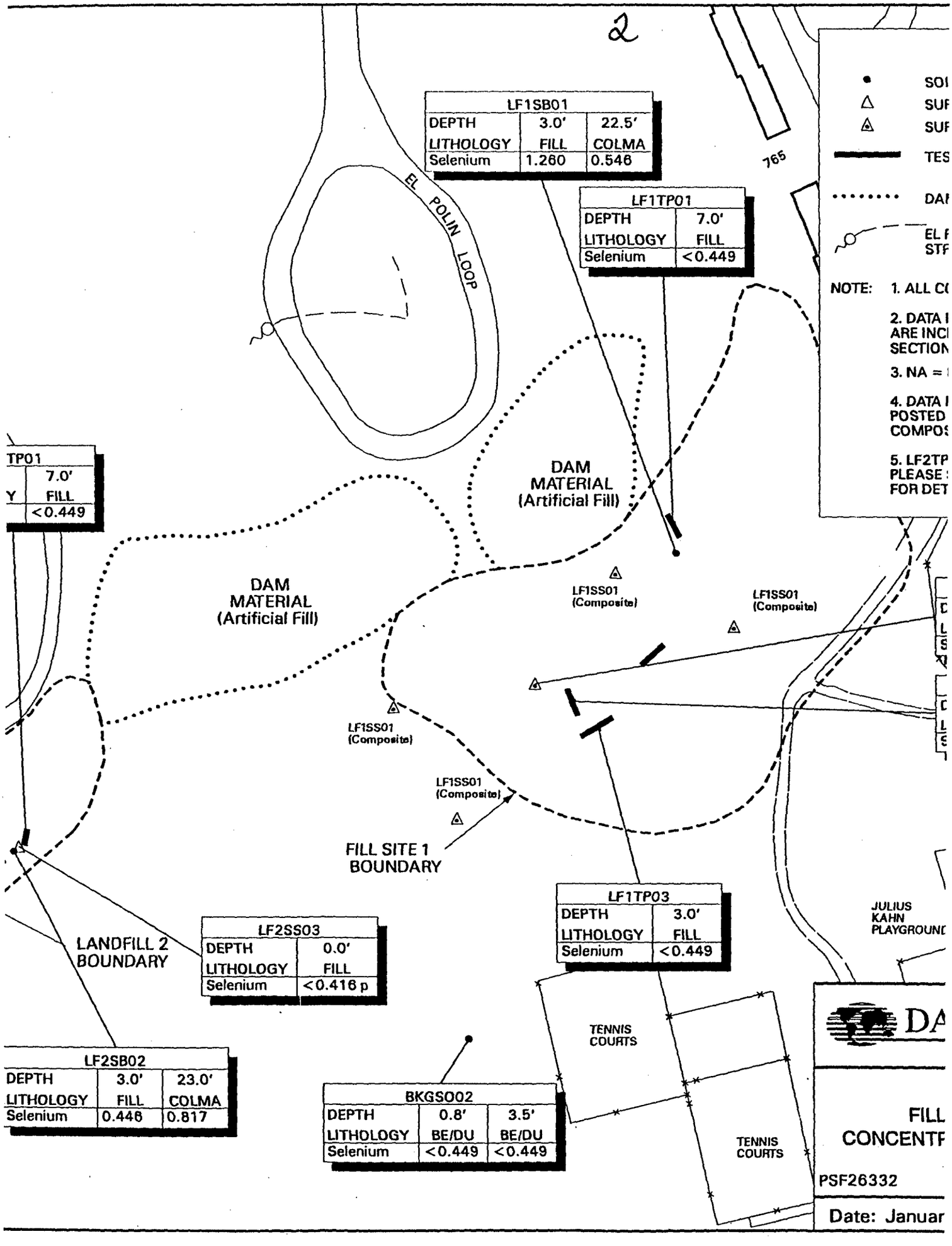
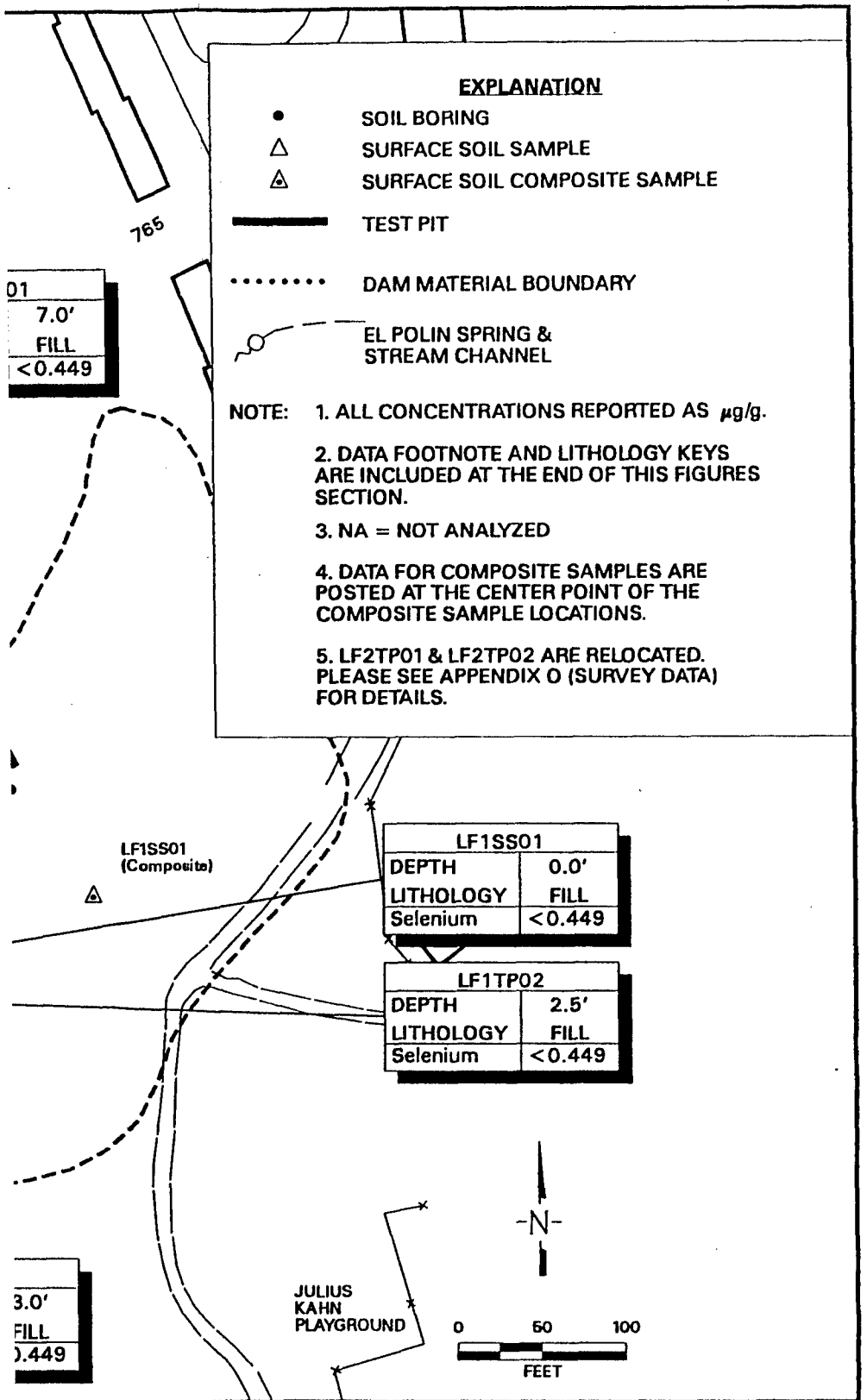


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Selenium 1.260 0.546
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Selenium <0.449
EL POLIN LOOP
765
TP01
7.0'
FILL
<0.449
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
FILL SITE 1 BOUNDARY
LANDFILL 2 BOUNDARY
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Selenium <0.416 p
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Selenium <0.449
LF2SB02
DEPTH 3.0' 23.0'
LITHOLOGY FILL COLMA
Selenium 0.446 0.817
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Selenium <0.449 <0.449
TENNIS COURTS
TENNIS COURTS
JULIUS KAHN PLAYGROUND
NOTE: 1. ALL C
2. DATA
ARE INC
SECTIO
3. NA =
4. DATA
POSTED
COMPO
5. LF2TP
PLEASE
FOR DET
FILL
CONCENTF
PSF26332
Date: Januar



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF SELENIUM IN SOIL

PSF26332

Date: January 1997

Figure 9.1-19

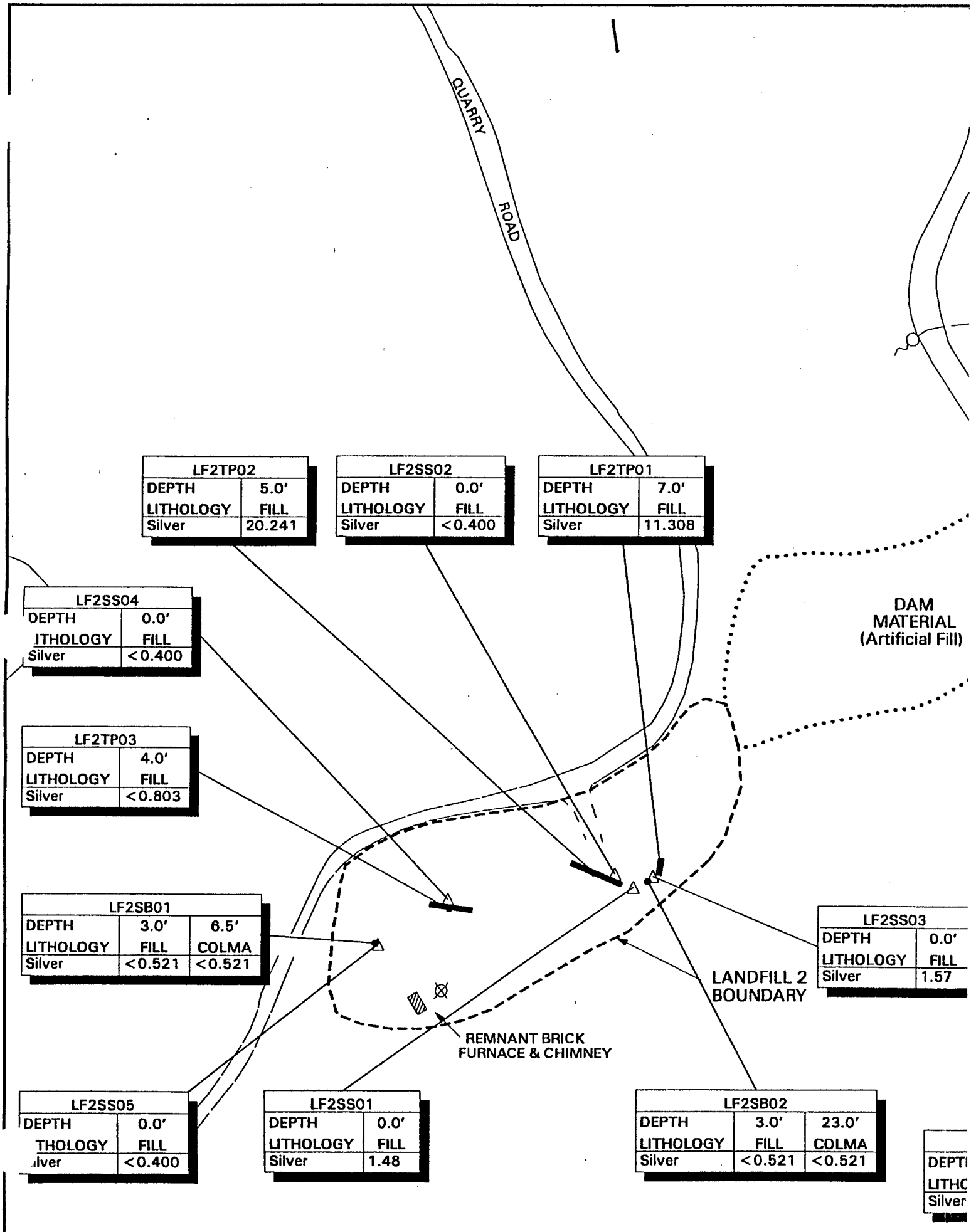
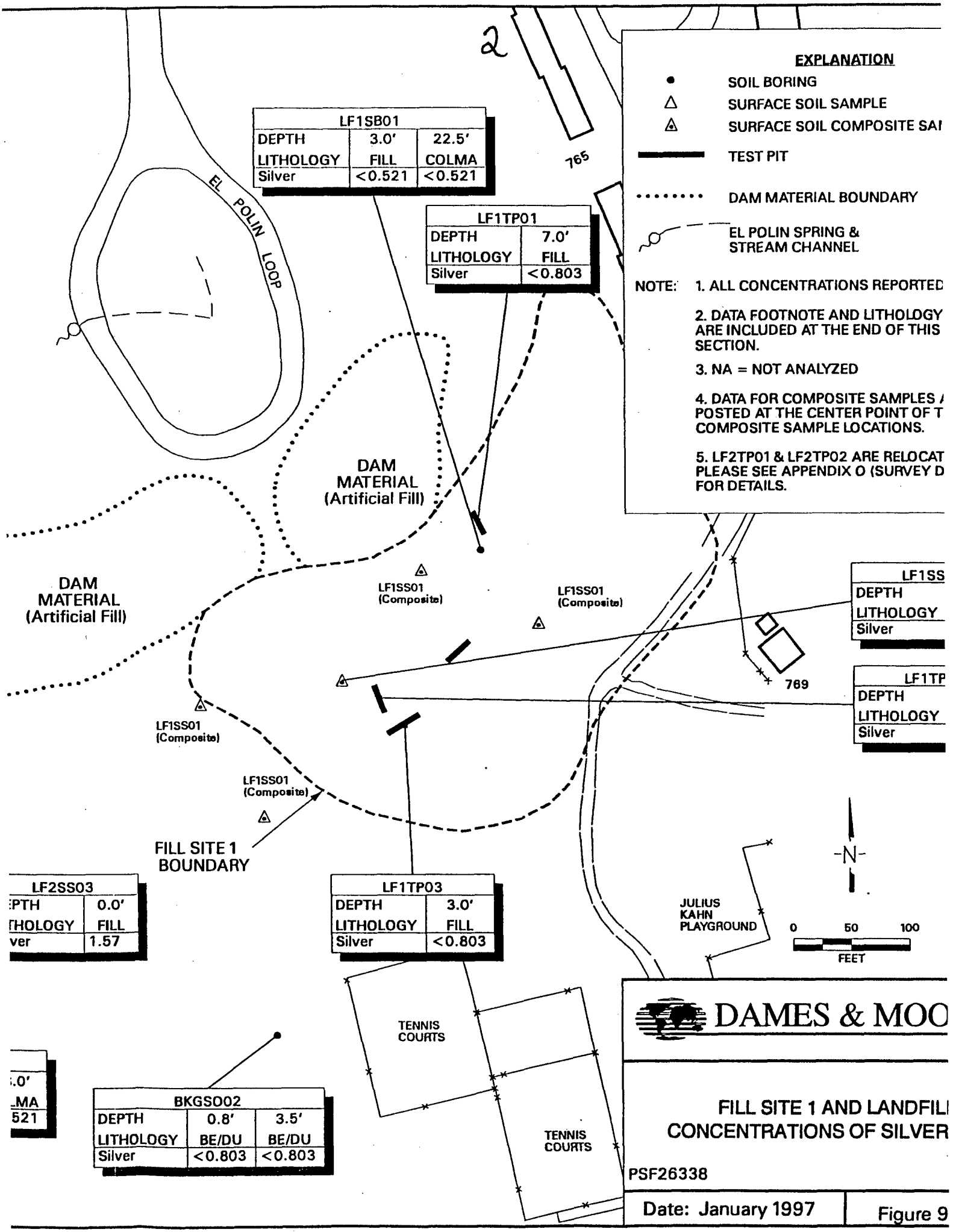


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



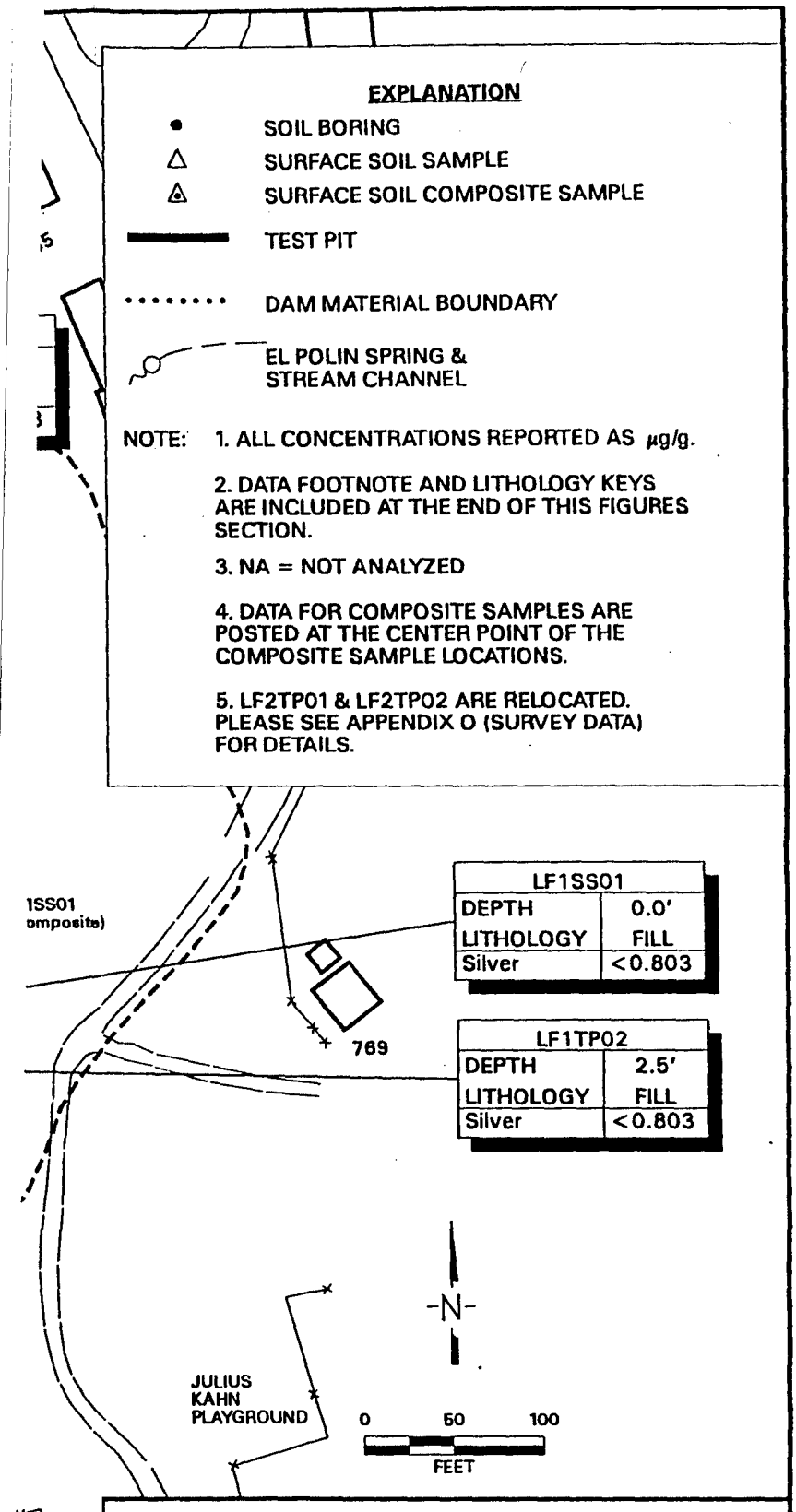
DAMES & MOO

FILL SITE 1 AND LANDFILL
CONCENTRATIONS OF SILVER

PSF26338

Date: January 1997

Figure 9



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF SILVER IN SOIL

PSF26338

Date: January 1997

Figure 9.1-20

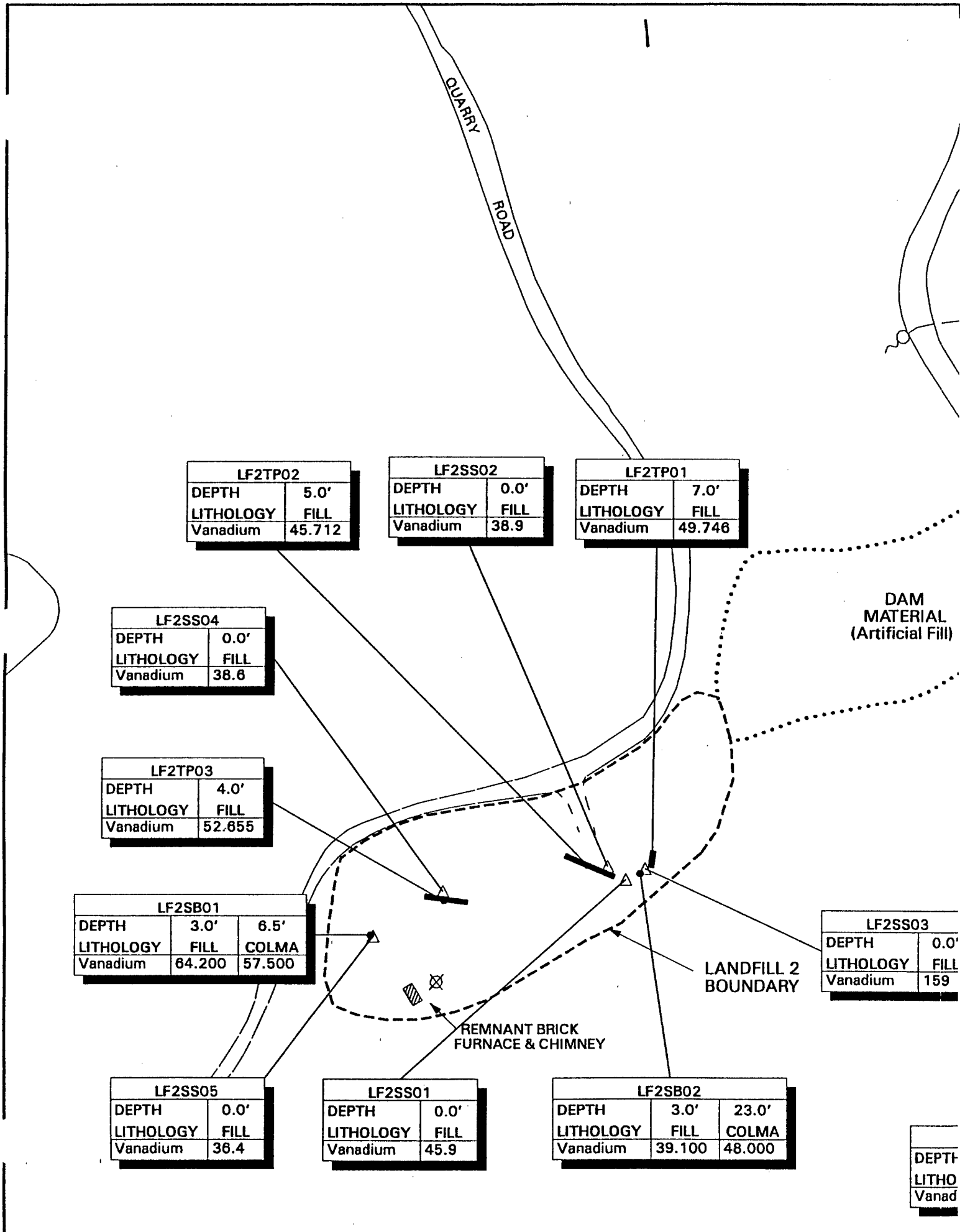
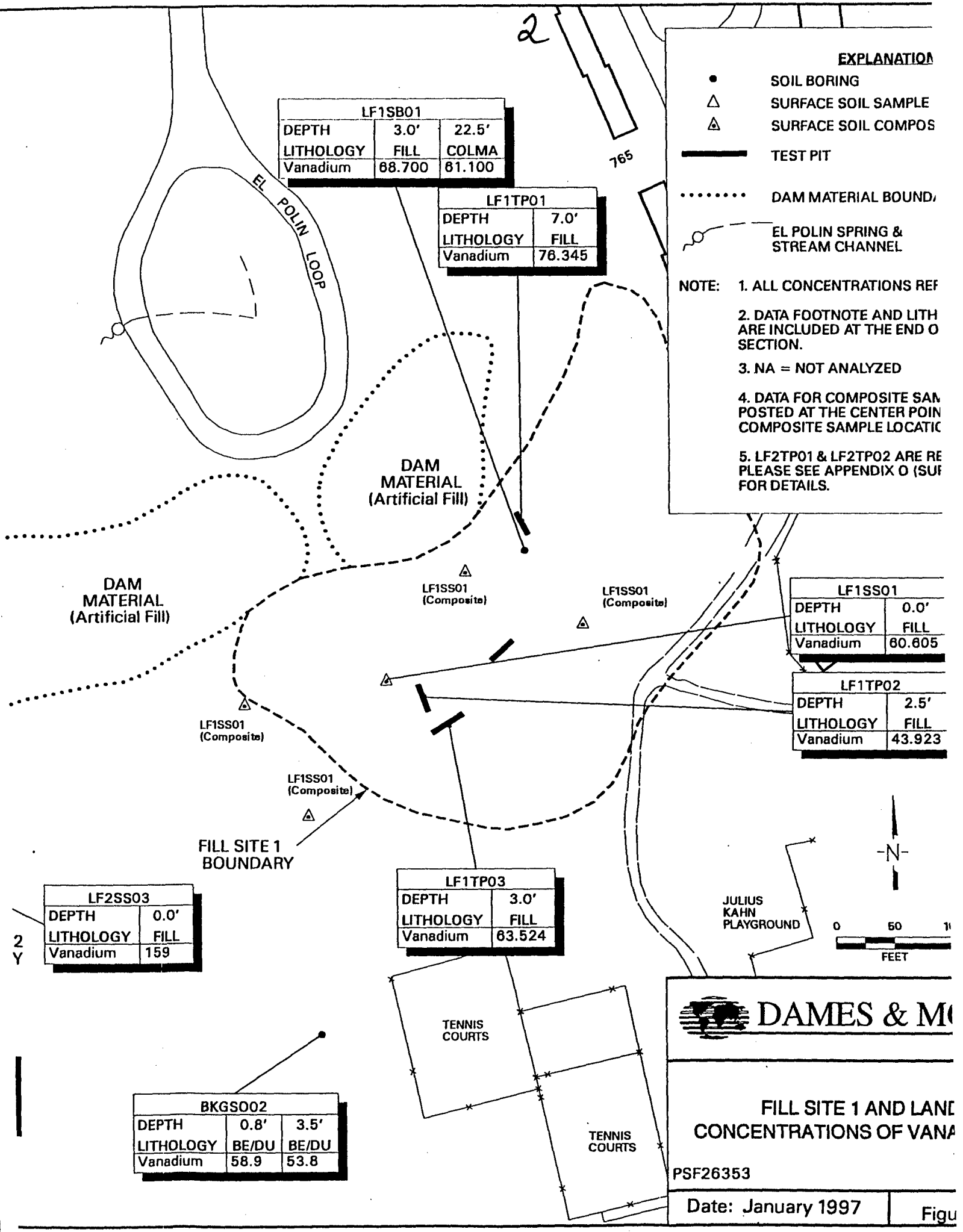
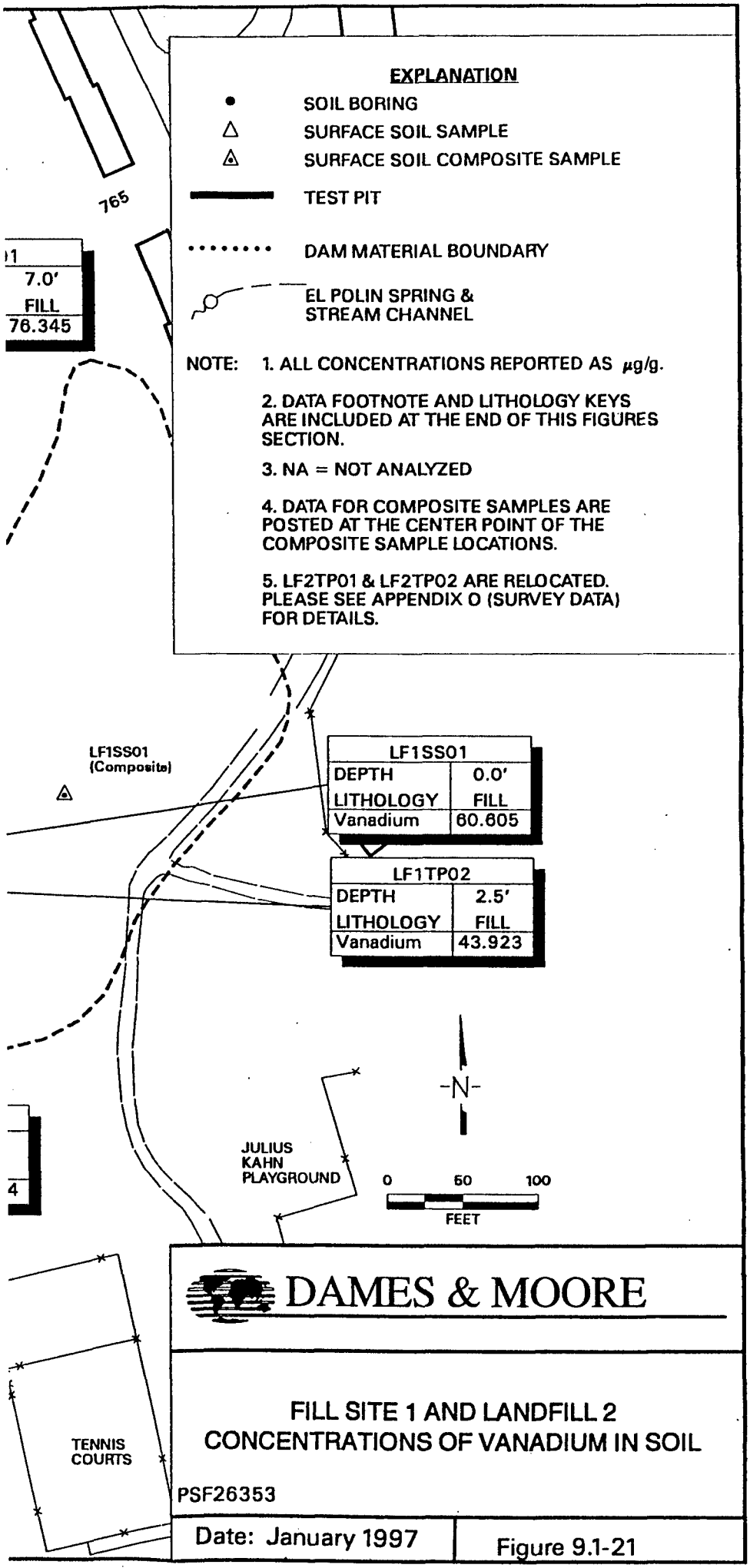


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOS
TEST PIT
DAM MATERIAL BOUND
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAM POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATIC
5. LF2TP01 & LF2TP02 ARE RE PLEASE SEE APPENDIX O (SUI FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Vanadium 68.700 61.100
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Vanadium 76.345
EL POLIN LOOP
765
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01
DEPTH 0.0'
LITHOLOGY FILL
Vanadium 60.605
LF1TP02
DEPTH 2.5'
LITHOLOGY FILL
Vanadium 43.923
FILL SITE 1 BOUNDARY
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Vanadium 63.524
LF2SS03
DEPTH 0.0'
LITHOLOGY FILL
Vanadium 159
JULIUS KAHN PLAYGROUND
-N-
0 50
FEET
TENNIS COURTS
TENNIS COURTS
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Vanadium 58.9 53.8
DAMES & M
FILL SITE 1 AND LAND
CONCENTRATIONS OF VANA
PSF26353
Date: January 1997
Figu

3.



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF VANADIUM IN SOIL

PSF26353

Date: January 1997

Figure 9.1-21

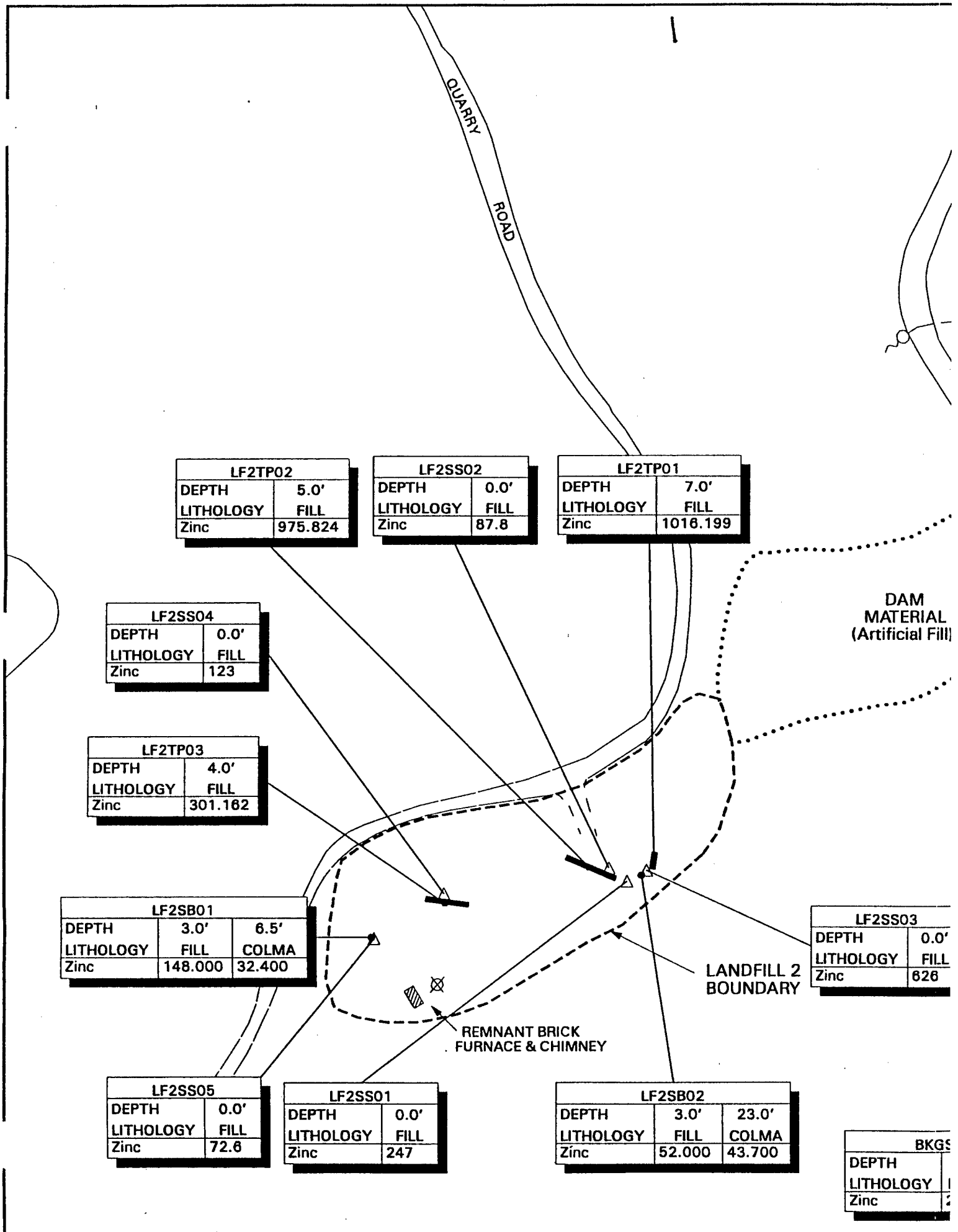
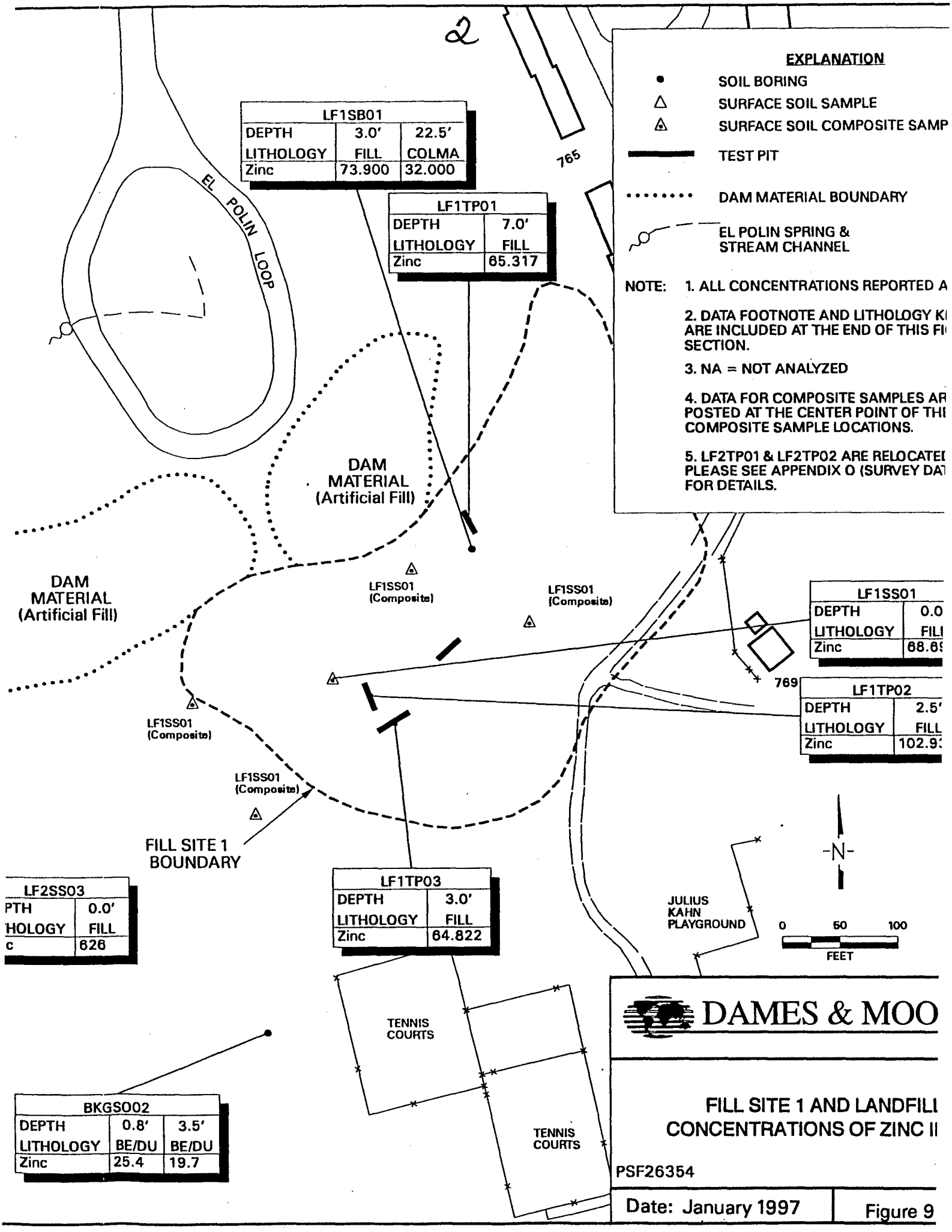
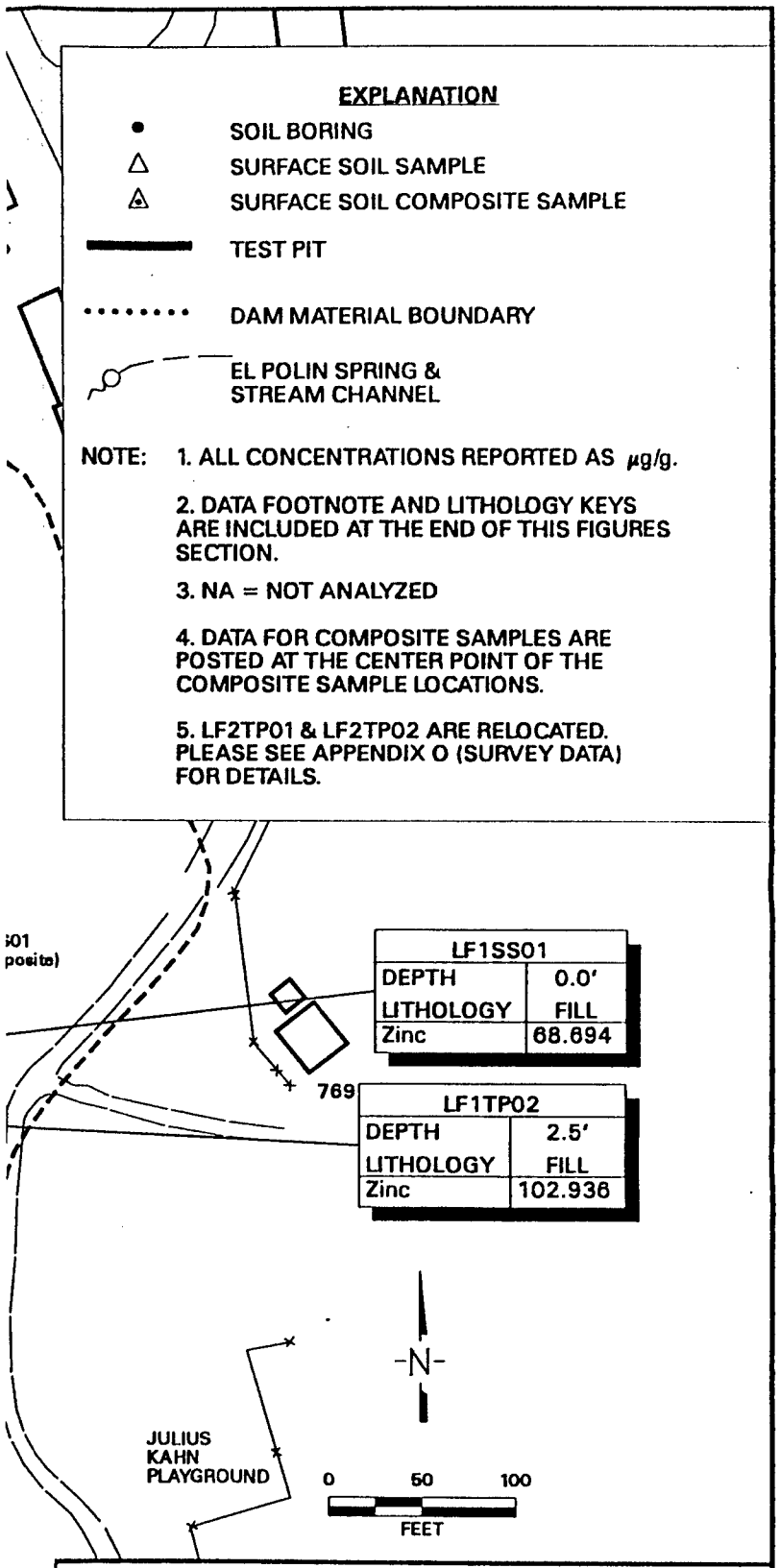


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05 Sep 96 11:11:13 Thursday x17_v3.aml, pltdfile hsec_FS12_S_21.gra, PSF


2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSITE SAMP
TEST PIT
DAM MATERIAL BOUNDARY
EL POLIN SPRING & STREAM CHANNEL
NOTE: 1. ALL CONCENTRATIONS REPORTED A
2. DATA FOOTNOTE AND LITHOLOGY K ARE INCLUDED AT THE END OF THIS FI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES AR POSTED AT THE CENTER POINT OF THI COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATEI PLEASE SEE APPENDIX O (SURVEY DA FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
LITHOLOGY FILL COLMA
Zinc 73.900 32.000
LF1TP01
DEPTH 7.0'
LITHOLOGY FILL
Zinc 65.317
EL POLIN LOOP
765
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01
DEPTH 0.0
LITHOLOGY FILL
Zinc 68.6
769
LF1TP02
DEPTH 2.5'
LITHOLOGY FILL
Zinc 102.9
FILL SITE 1 BOUNDARY
LF2SS03
PTH 0.0'
HOLOGY FILL
c 626
LF1TP03
DEPTH 3.0'
LITHOLOGY FILL
Zinc 64.822
JULIUS KAHN PLAYGROUND
-N-
0 50 100
FEET
TENNIS COURTS
TENNIS COURTS
BKGSO02
DEPTH 0.8' 3.5'
LITHOLOGY BE/DU BE/DU
Zinc 25.4 19.7
DAMES & MOO
FILL SITE 1 AND LANDFILL
CONCENTRATIONS OF ZINC I
PSF26354
Date: January 1997
Figure 9

3



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ZINC IN SOIL

PSF26354

Date: January 1997

Figure 9.1-22

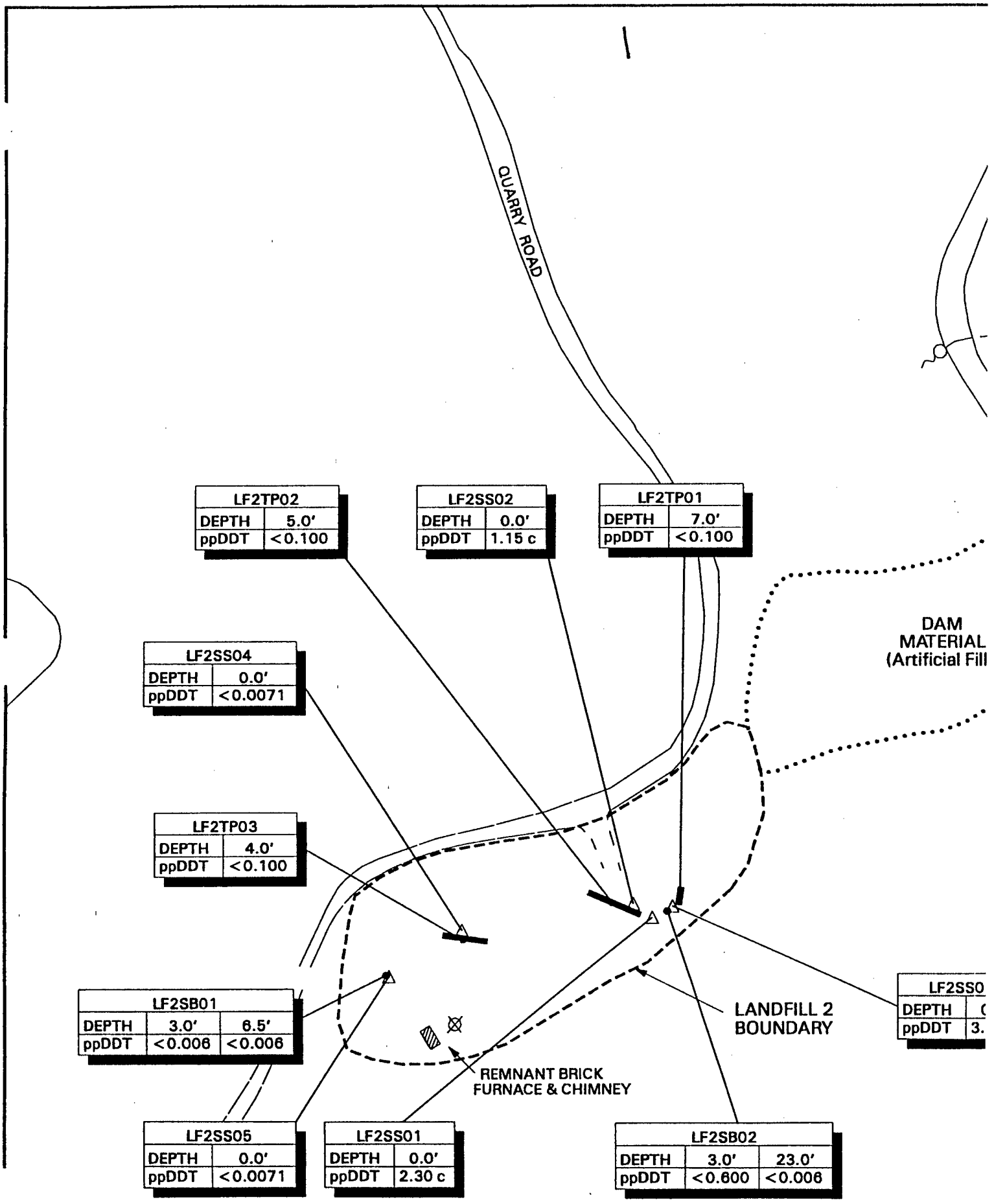
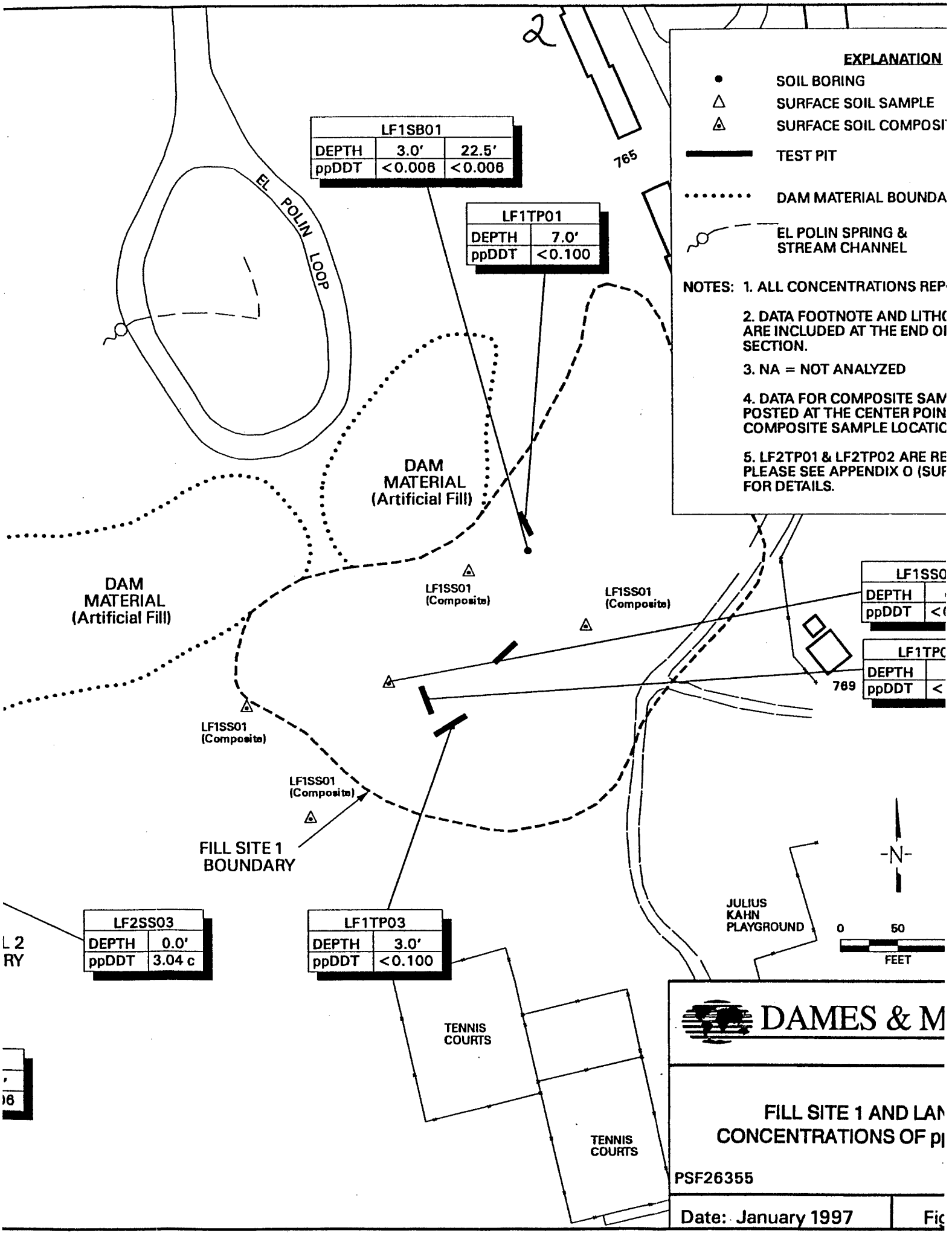
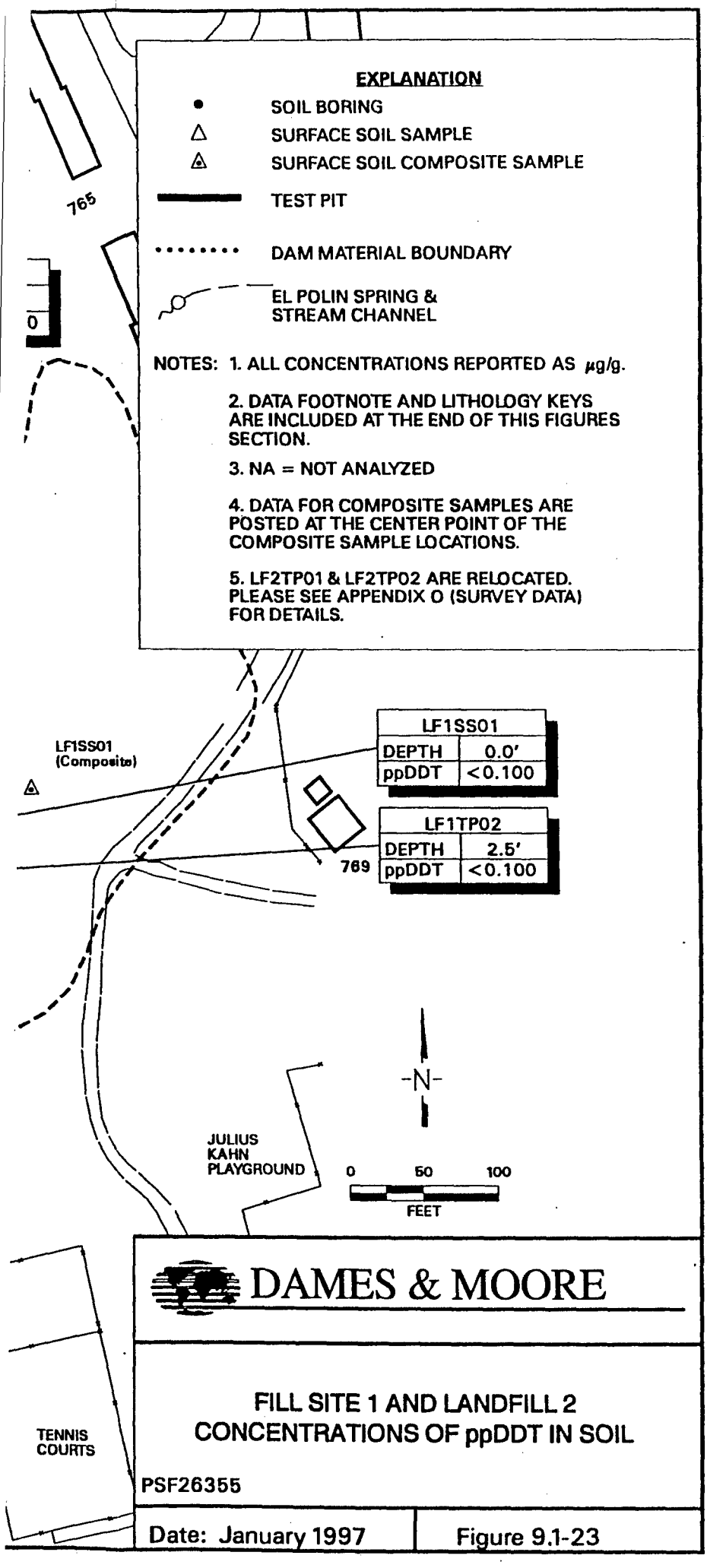


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17_v3.aml, plotfile.hess_FS12_S_45.grs, PSF
31 Dec 96 10:20:22 Tuesday


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACE SOIL COMPOSI
TEST PIT
DAM MATERIAL BOUNDA
EL POLIN SPRING & STREAM CHANNEL
NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAM POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATIC
5. LF2TP01 & LF2TP02 ARE RE PLEASE SEE APPENDIX O (SUF FOR DETAILS.
LF1SB01
DEPTH 3.0' 22.5'
ppDDT <0.006 <0.006
LF1TP01
DEPTH 7.0'
ppDDT <0.100
EL POLIN LOOP
765
DAM MATERIAL (Artificial Fill)
DAM MATERIAL (Artificial Fill)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS01 (Composite)
LF1SS0
DEPTH
ppDDT
LF1TP0
DEPTH
ppDDT
769
FILL SITE 1 BOUNDARY
LF2SS03
DEPTH 0.0'
ppDDT 3.04 c
LF1TP03
DEPTH 3.0'
ppDDT <0.100
JULIUS KAHN PLAYGROUND
TENNIS COURTS
TENNIS COURTS
-N-
0 50
FEET
DAMES & M
FILL SITE 1 AND LAN
CONCENTRATIONS OF pI
PSF26355
Date: January 1997
Fig



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ppDDT IN SOIL

PSF26355

Date: January 1997 | Figure 9.1-23

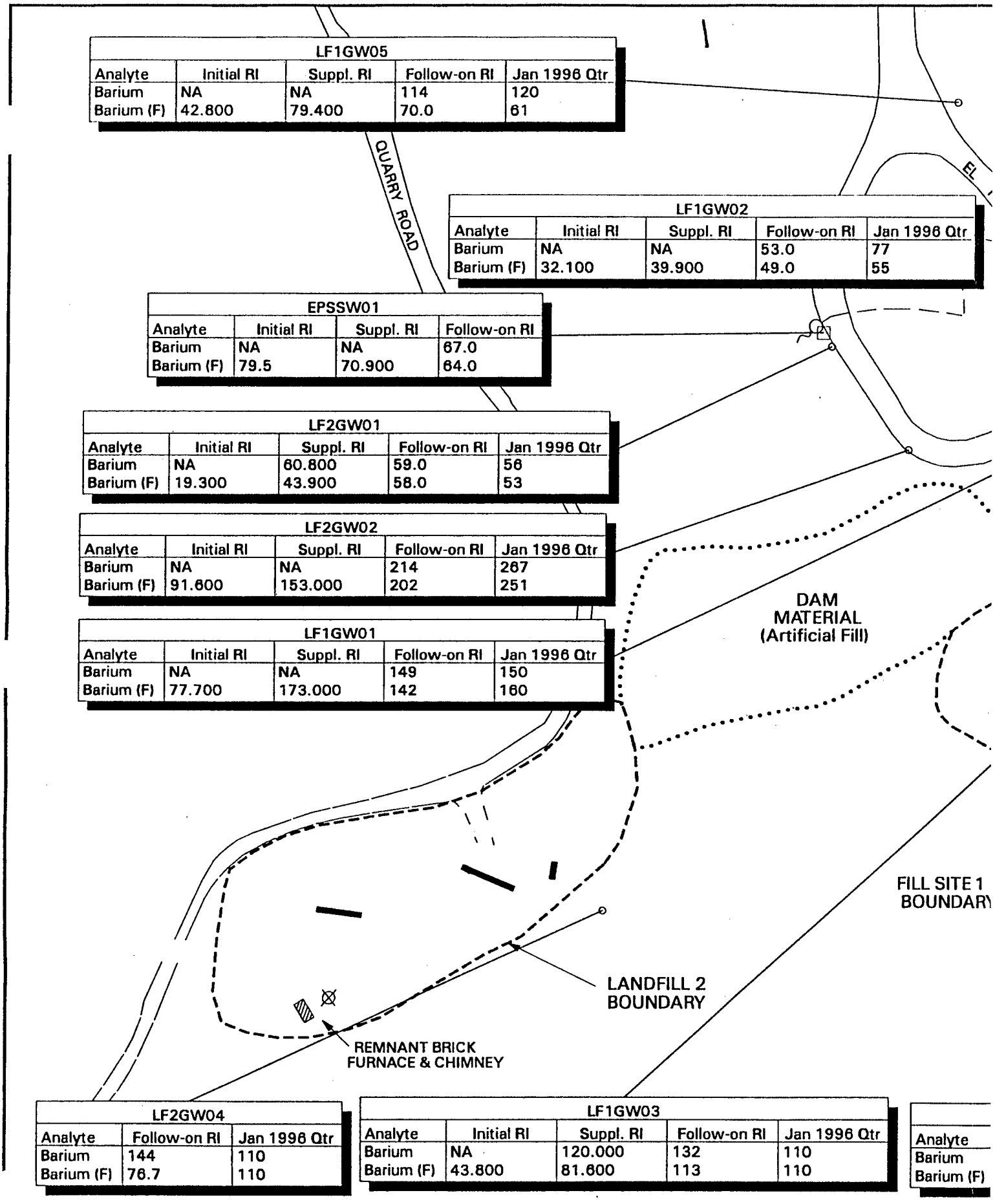
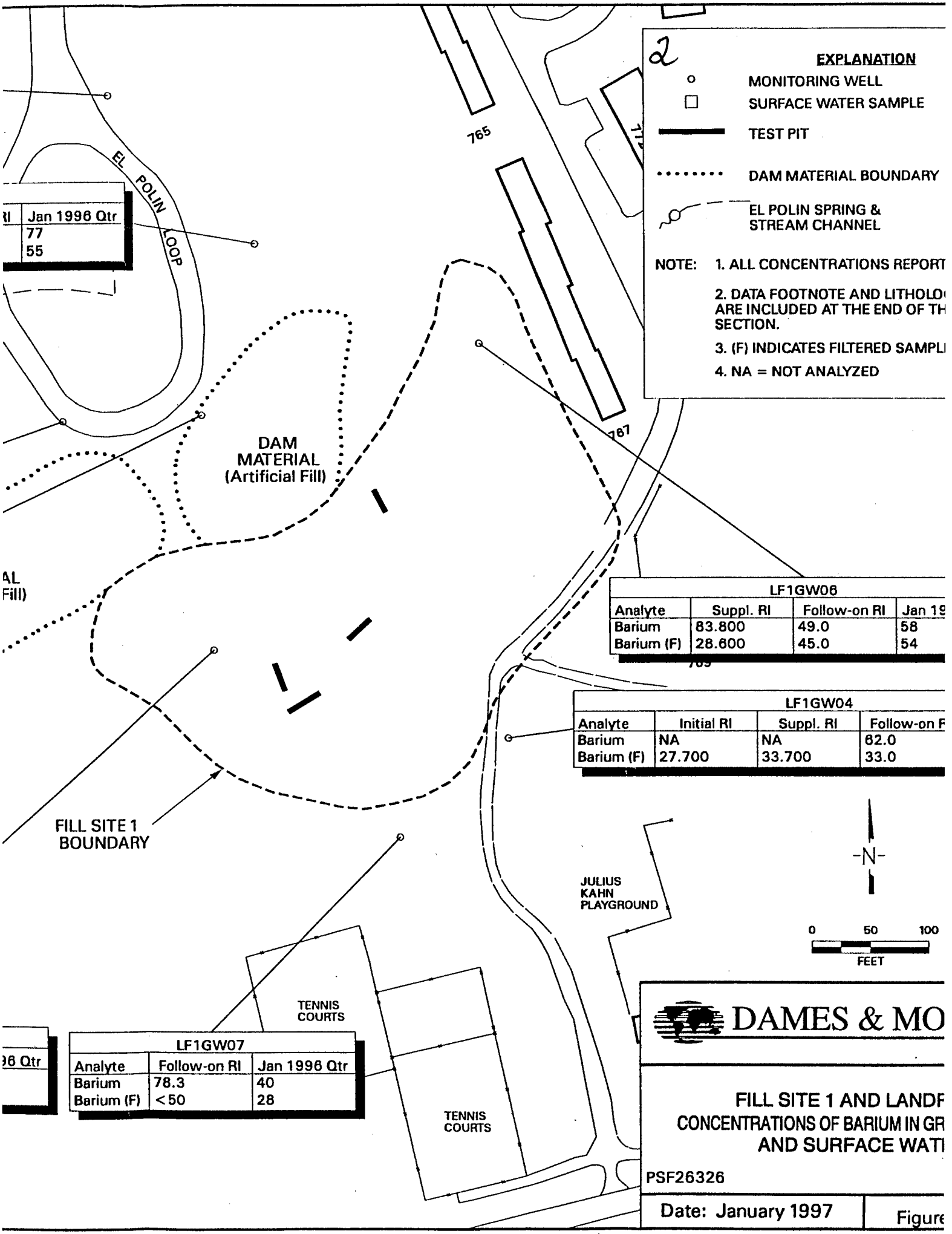


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12-Sep-96 09:10:02 Thursday 11x17_v3.aml, plotfile here_FS12_W_4.grn. PSF



RI	Jan 1996 Qtr
	77
	55

LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 19
Barium	83.800	49.0	58
Barium (F)	28.600	45.0	54

LF1GW04			
Analyte	Initial RI	Suppl. RI	Follow-on F
Barium	NA	NA	62.0
Barium (F)	27.700	33.700	33.0

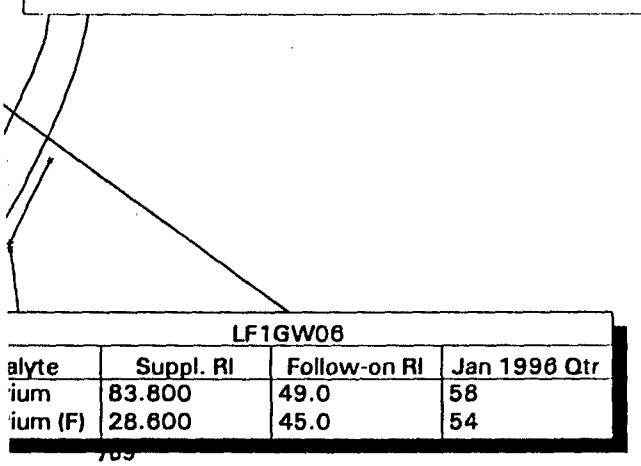
96 Qtr	LF1GW07	
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	78.3	40
Barium (F)	<50	28

3

EXPLANATION

- o — MONITORING WELL
- □ — SURFACE WATER SAMPLE
- ▬▬ — TEST PIT
- ••••••• — DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED



LF1GW06

alyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
ium	83.800	49.0	58
ium (F)	28.600	45.0	54

LF1GW04

	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
	NA	NA	62.0	35
F)	27.700	33.700	33.0	39

IND

-N-

0 50 100

FEET

DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF BARIUM IN GROUNDWATER AND SURFACE WATER

PSF26326

Date: January 1997 | Figure 9.1-24

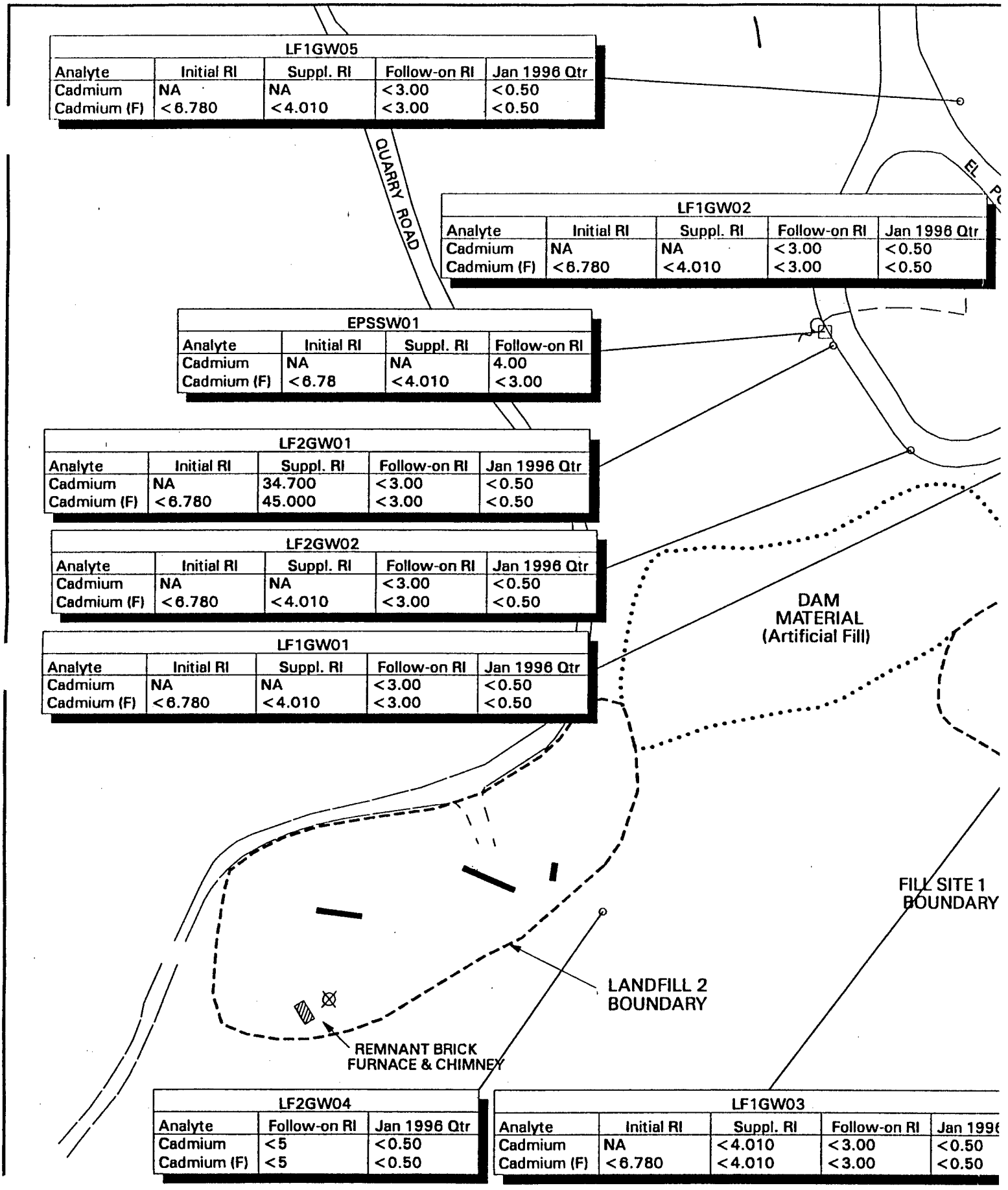
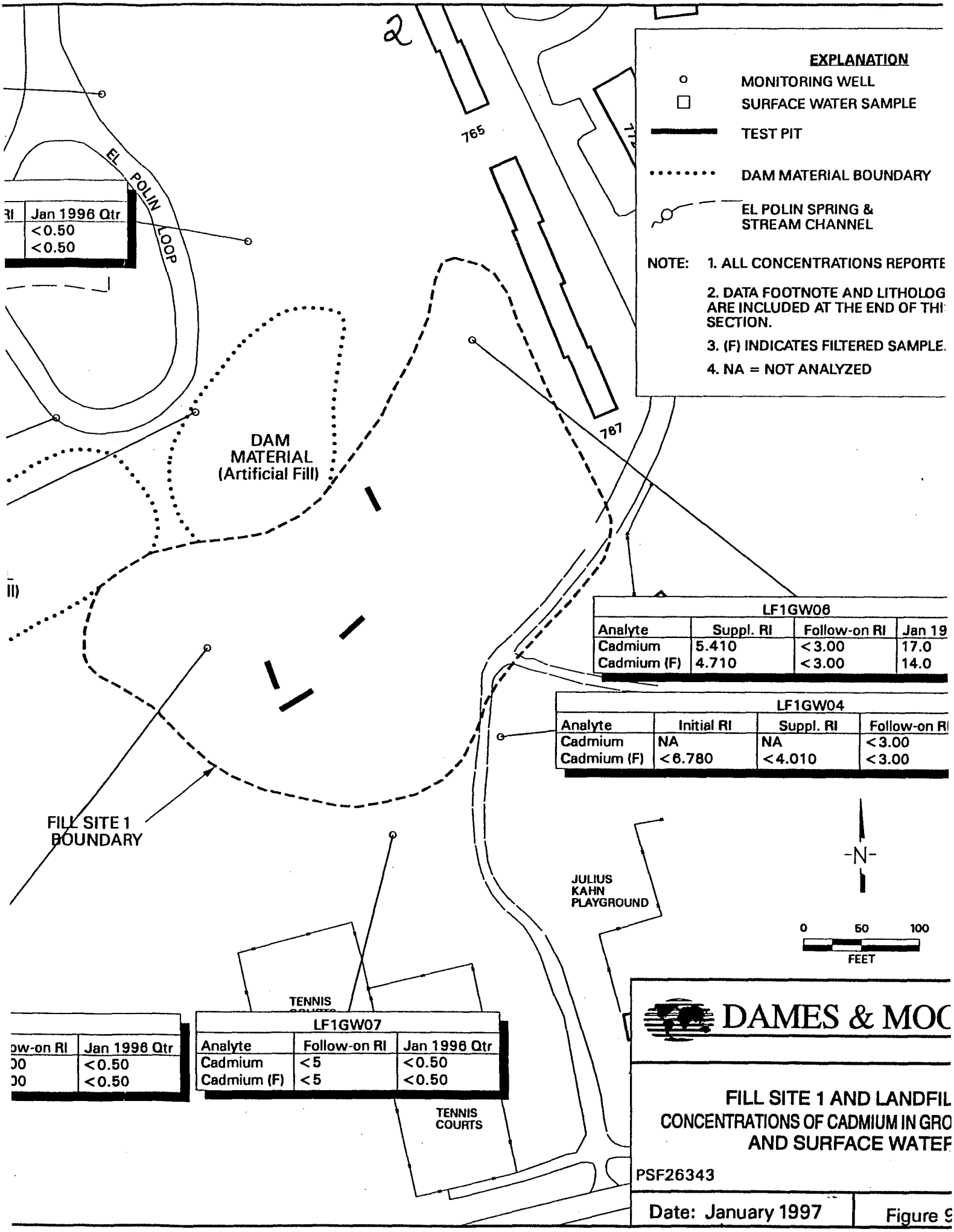


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



RI	Jan 1996 Qtr
	<0.50
	<0.50

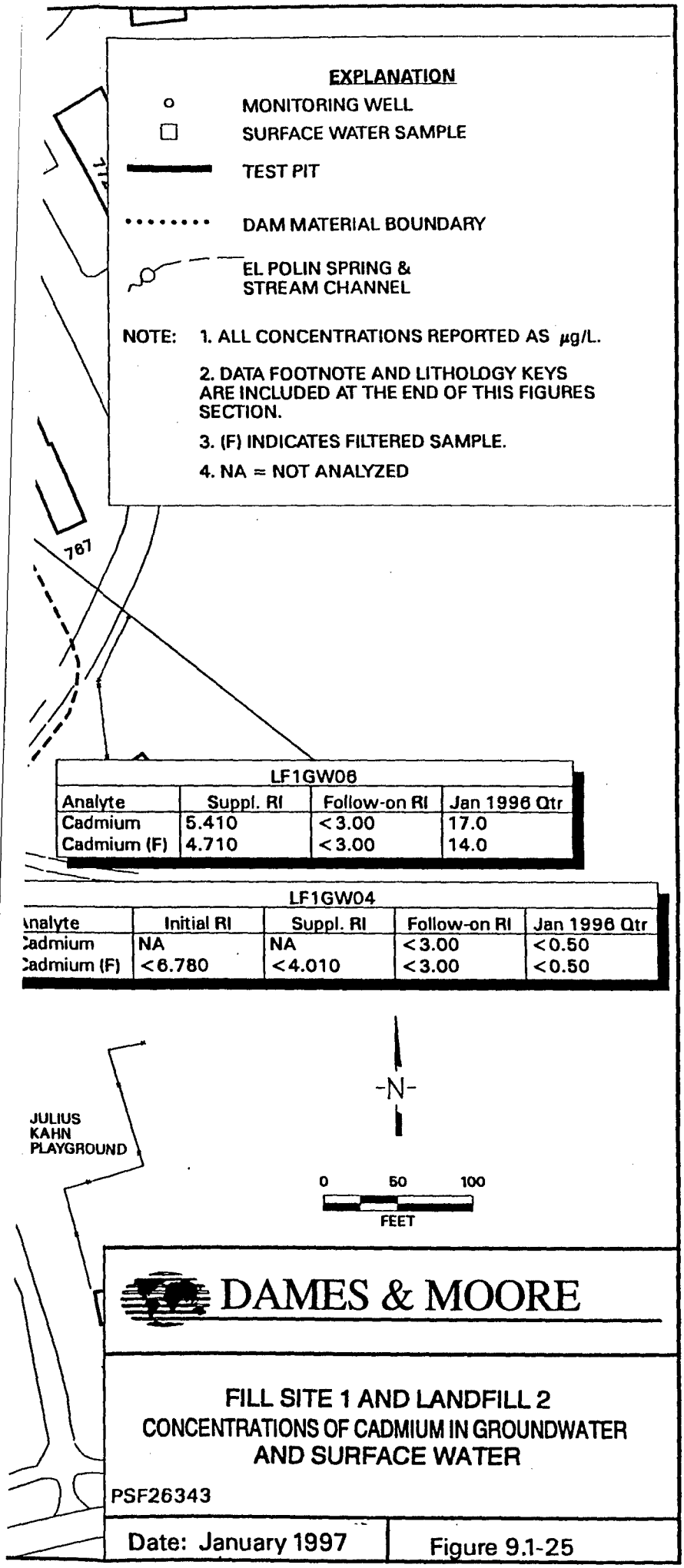
LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 19
Cadmium	5.410	<3.00	17.0
Cadmium (F)	4.710	<3.00	14.0

LF1GW04			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Cadmium	NA	NA	<3.00
Cadmium (F)	<6.780	<4.010	<3.00

LF1GW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Cadmium	<5	<0.50
Cadmium (F)	<5	<0.50

ow-on RI	Jan 1996 Qtr
00	<0.50
00	<0.50

3

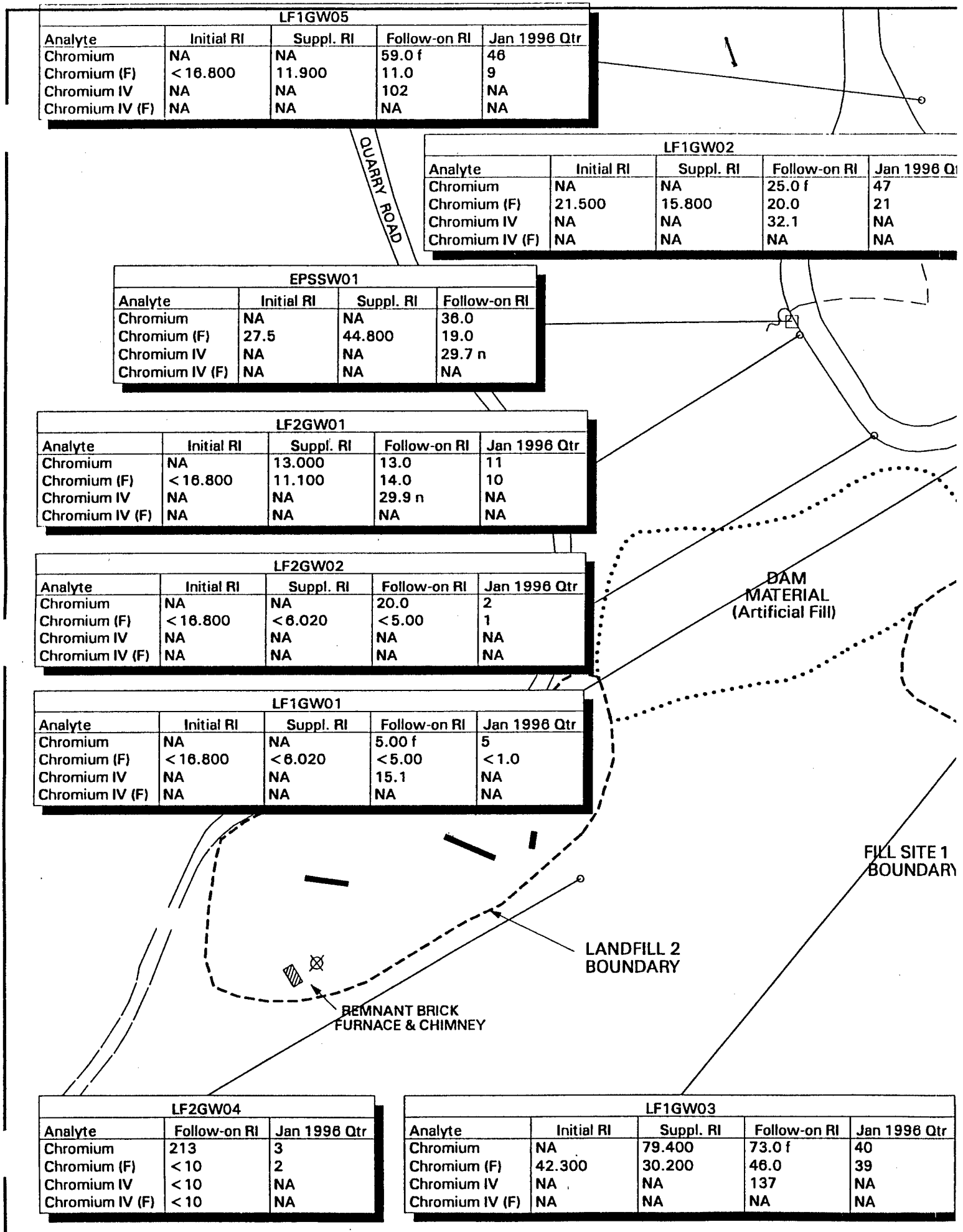


DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF CADMIUM IN GROUNDWATER AND SURFACE WATER

PSF26343

Date: January 1997 | Figure 9.1-25



LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	59.0 f	46
Chromium (F)	< 16.800	11.900	11.0	9
Chromium IV	NA	NA	102	NA
Chromium IV (F)	NA	NA	NA	NA

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qt
Chromium	NA	NA	25.0 f	47
Chromium (F)	21.500	15.800	20.0	21
Chromium IV	NA	NA	32.1	NA
Chromium IV (F)	NA	NA	NA	NA

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Chromium	NA	NA	36.0
Chromium (F)	27.5	44.800	19.0
Chromium IV	NA	NA	29.7 n
Chromium IV (F)	NA	NA	NA

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	13.000	13.0	11
Chromium (F)	< 16.800	11.100	14.0	10
Chromium IV	NA	NA	29.9 n	NA
Chromium IV (F)	NA	NA	NA	NA

LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	20.0	2
Chromium (F)	< 16.800	< 6.020	< 5.00	1
Chromium IV	NA	NA	NA	NA
Chromium IV (F)	NA	NA	NA	NA

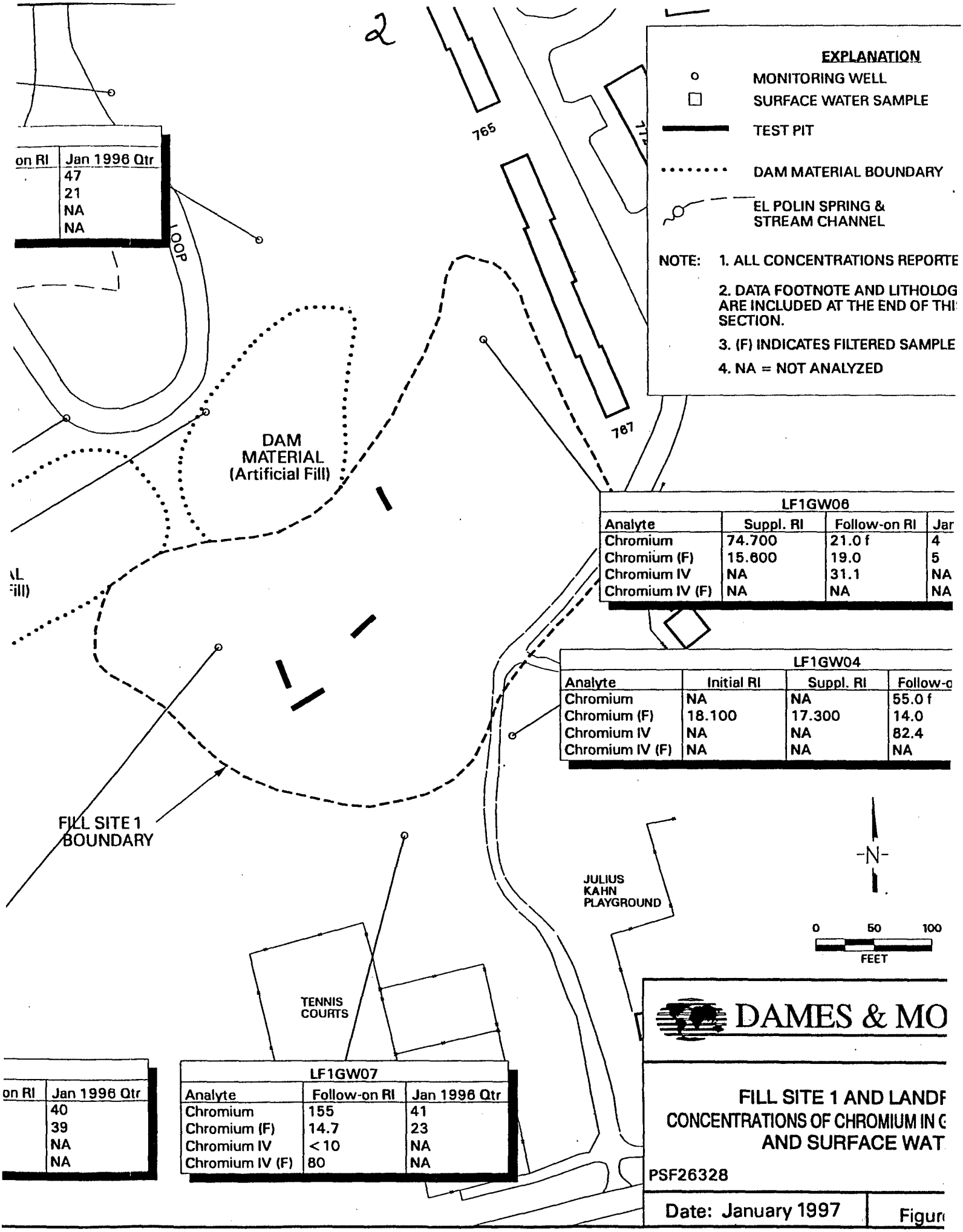
LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	5.00 f	5
Chromium (F)	< 16.800	< 6.020	< 5.00	< 1.0
Chromium IV	NA	NA	15.1	NA
Chromium IV (F)	NA	NA	NA	NA

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	213	3
Chromium (F)	< 10	2
Chromium IV	< 10	NA
Chromium IV (F)	< 10	NA

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	79.400	73.0 f	40
Chromium (F)	42.300	30.200	46.0	39
Chromium IV	NA	NA	137	NA
Chromium IV (F)	NA	NA	NA	NA

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12 Sep 96 10:56:27 Thursday 11x17_v3.aml, pltdfile here_PS12_W_7.grn. PSF



on RI	Jan 1996 Qtr
	47
	21
	NA
	NA

LF1GW06

Analyte	Suppl. RI	Follow-on RI	Jar
Chromium	74.700	21.0 f	4
Chromium (F)	15.600	19.0	5
Chromium IV	NA	31.1	NA
Chromium IV (F)	NA	NA	NA

LF1GW04

Analyte	Initial RI	Suppl. RI	Follow-o
Chromium	NA	NA	55.0 f
Chromium (F)	18.100	17.300	14.0
Chromium IV	NA	NA	82.4
Chromium IV (F)	NA	NA	NA

on RI	Jan 1996 Qtr
	40
	39
	NA
	NA

LF1GW07

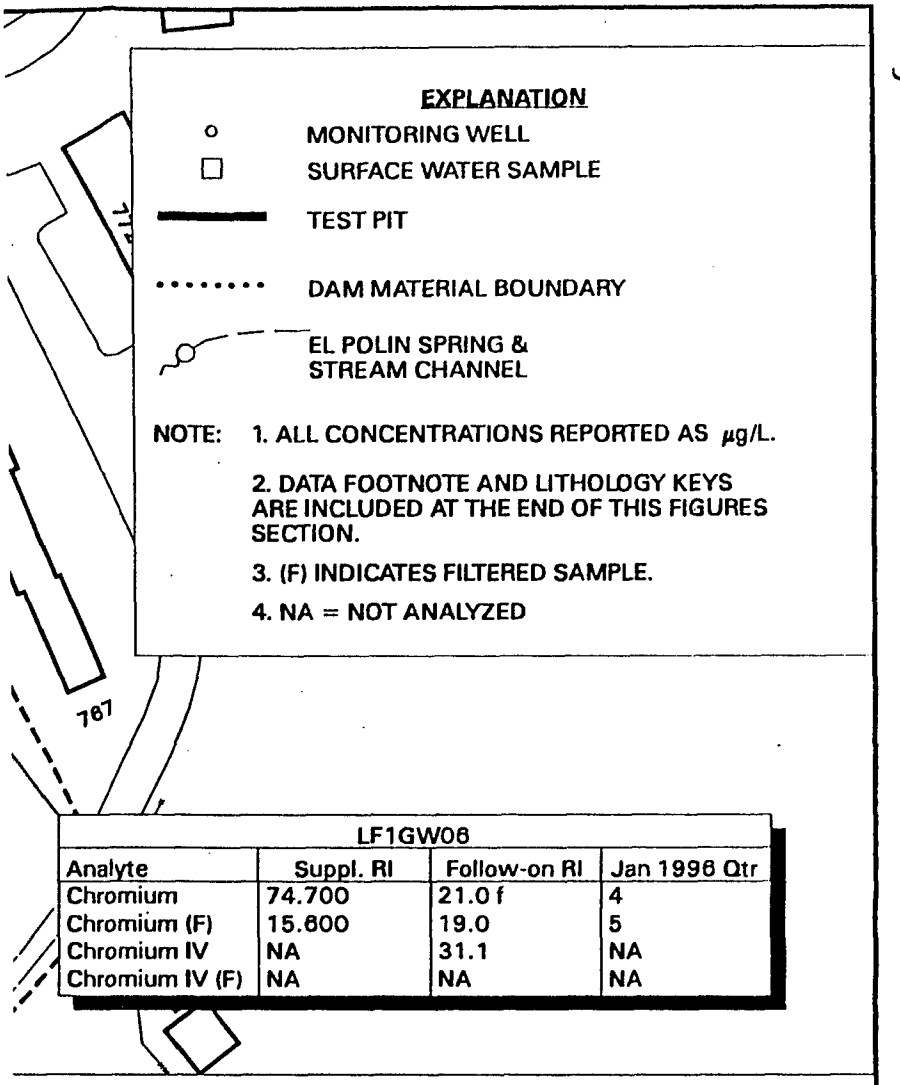
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	155	41
Chromium (F)	14.7	23
Chromium IV	< 10	NA
Chromium IV (F)	80	NA

3

EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

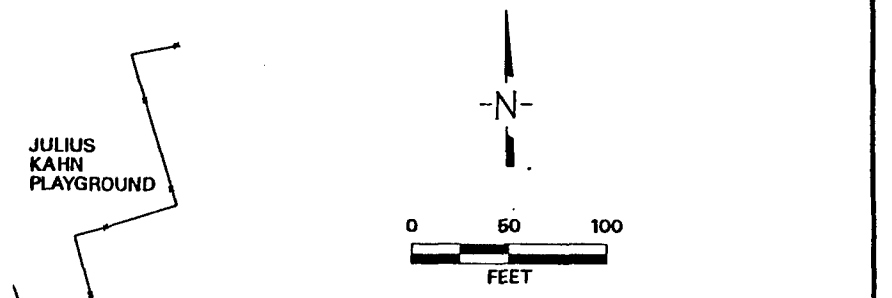


LF1GW06

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	74.700	21.0 f	4
Chromium (F)	15.600	19.0	5
Chromium IV	NA	31.1	NA
Chromium IV (F)	NA	NA	NA

LF1GW04

ıalyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
:hromium	NA	NA	55.0 f	19
:hromium (F)	18.100	17.300	14.0	24
:hromium IV	NA	NA	82.4	NA
:hromium IV (F)	NA	NA	NA	NA



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER AND SURFACE WATER

PSF26328

Date: January 1997

Figure 9.1-26

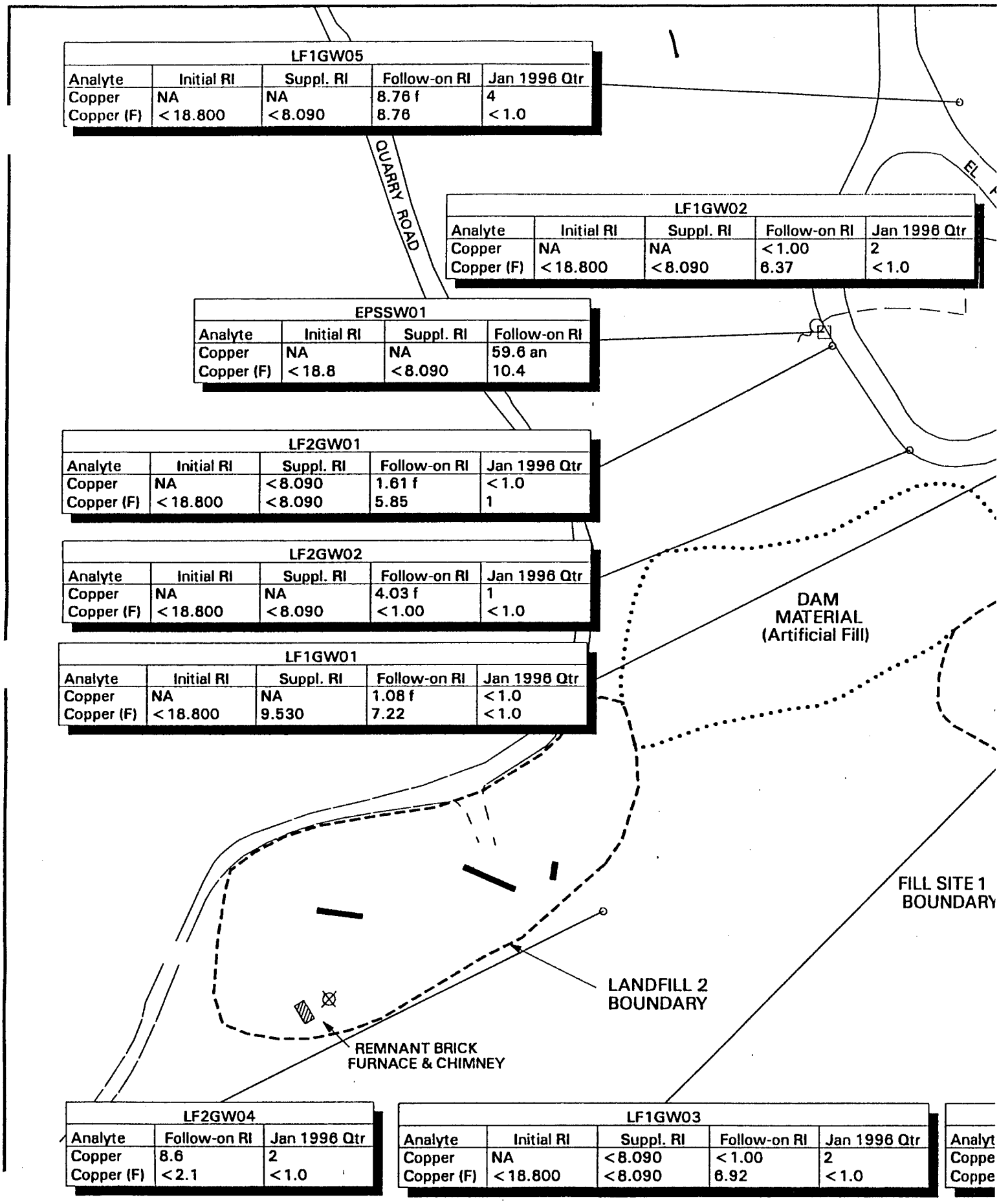
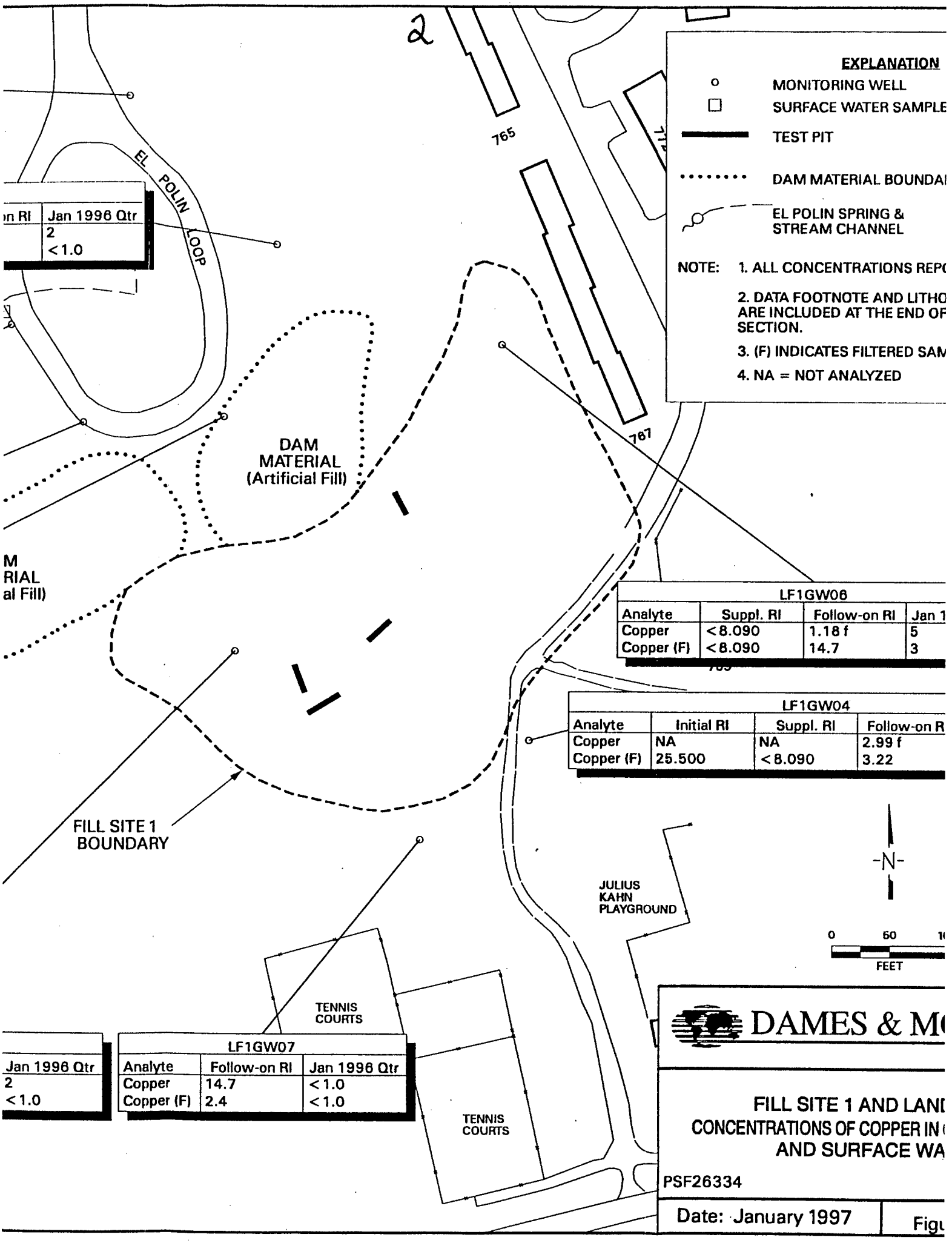


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



n RI	Jan 1996 Qtr
	2
	<1.0

LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1
Copper	<8.090	1.18 f	5
Copper (F)	<8.090	14.7	3

LF1GW04			
Analyte	Initial RI	Suppl. RI	Follow-on R
Copper	NA	NA	2.99 f
Copper (F)	25.500	<8.090	3.22

Jan 1996 Qtr
2
<1.0

LF1GW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Copper	14.7	<1.0
Copper (F)	2.4	<1.0

3

EXPLANATION

- o — MONITORING WELL
- □ — SURFACE WATER SAMPLE
- ——— TEST PIT
- ····· DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

LF1GW08

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	<8.090	1.18 f	5
Copper (F)	<8.090	14.7	3

LF1GW04

	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
	NA	NA	2.99 f	<1.0
(F)	25.500	<8.090	3.22	<1.0

IUS
IN
YGROUND

-N-

0 50 100
FEET

DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF COPPER IN GROUNDWATER AND SURFACE WATER

PSF26334

Date: January 1997 | Figure 9.1-27

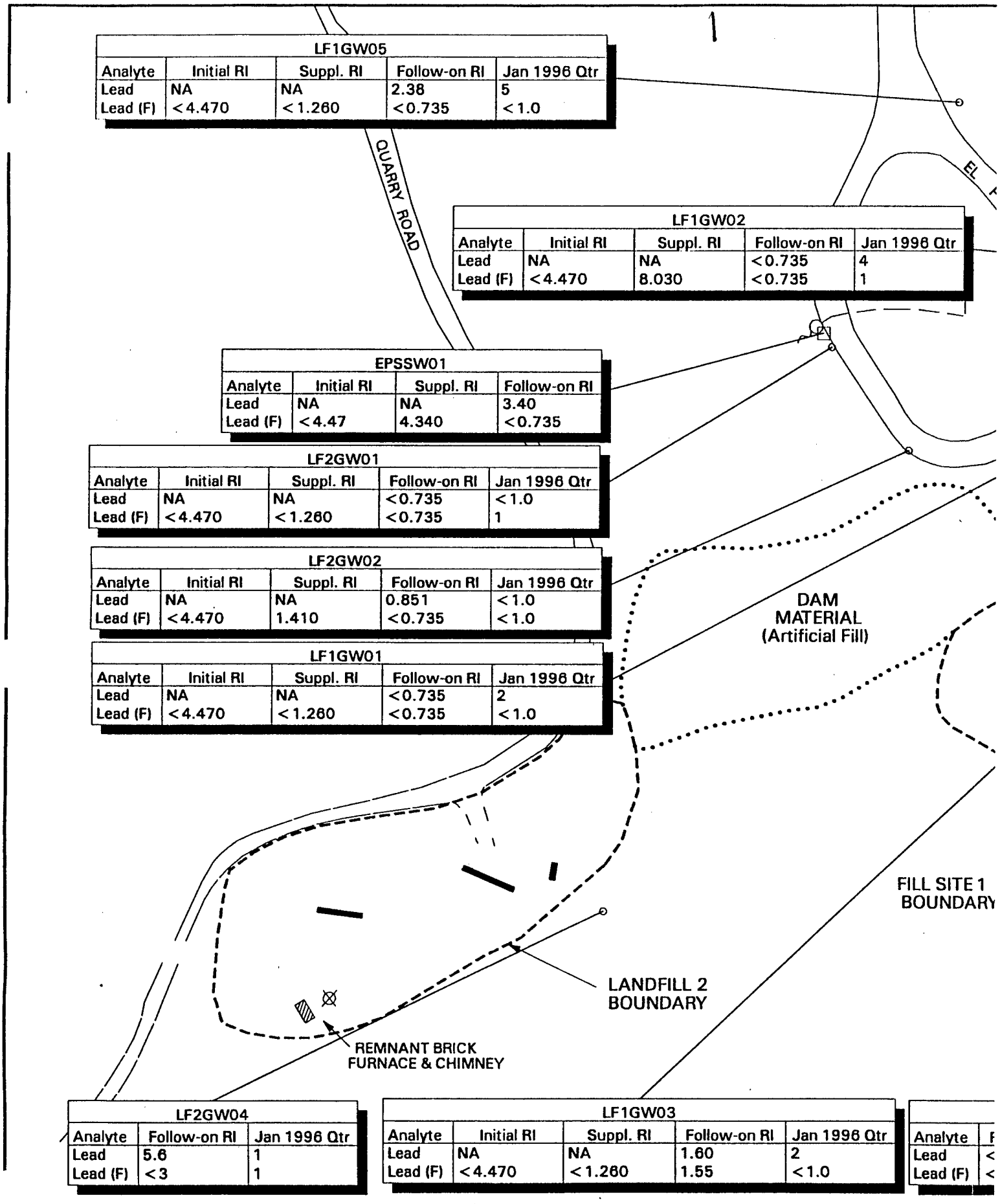
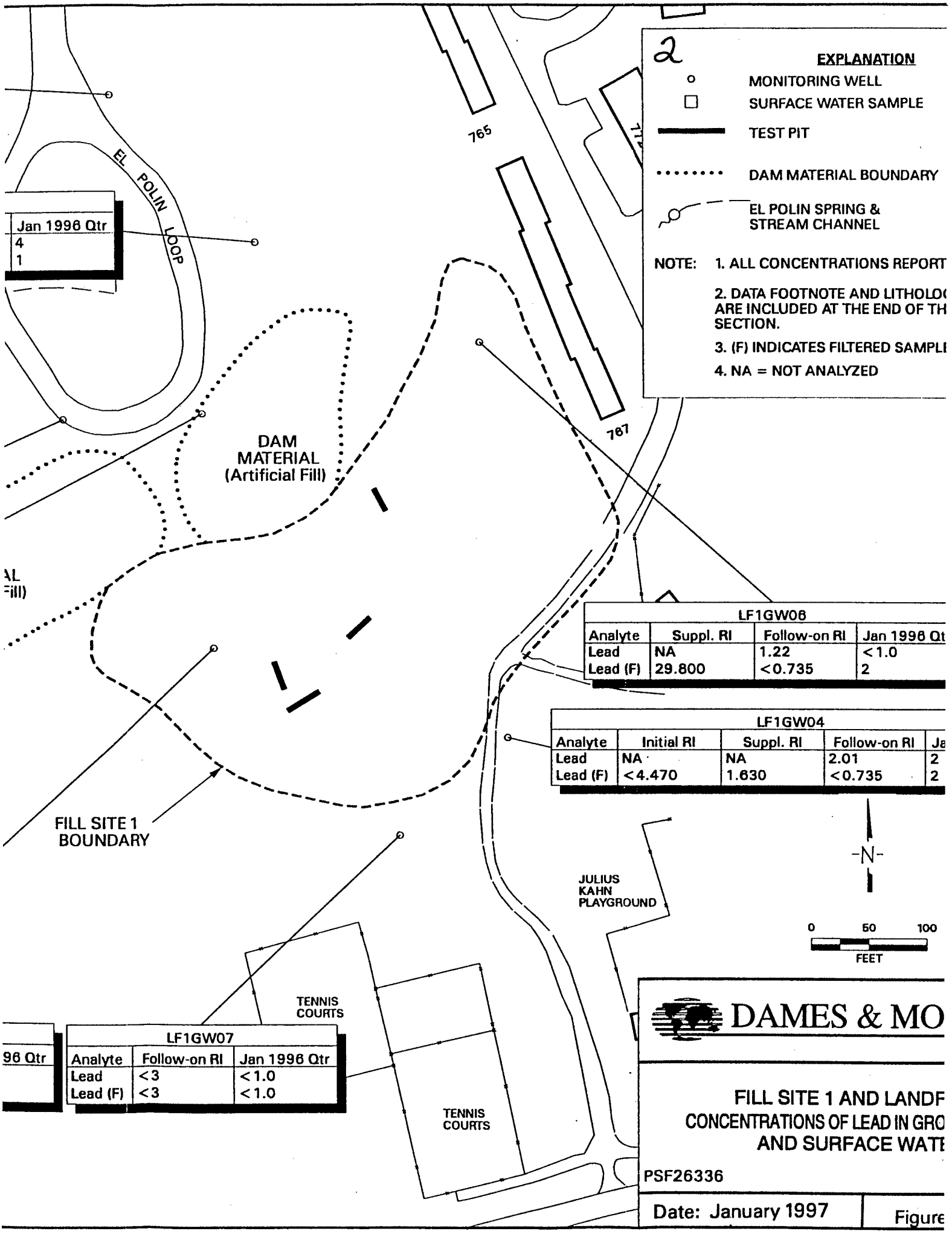


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

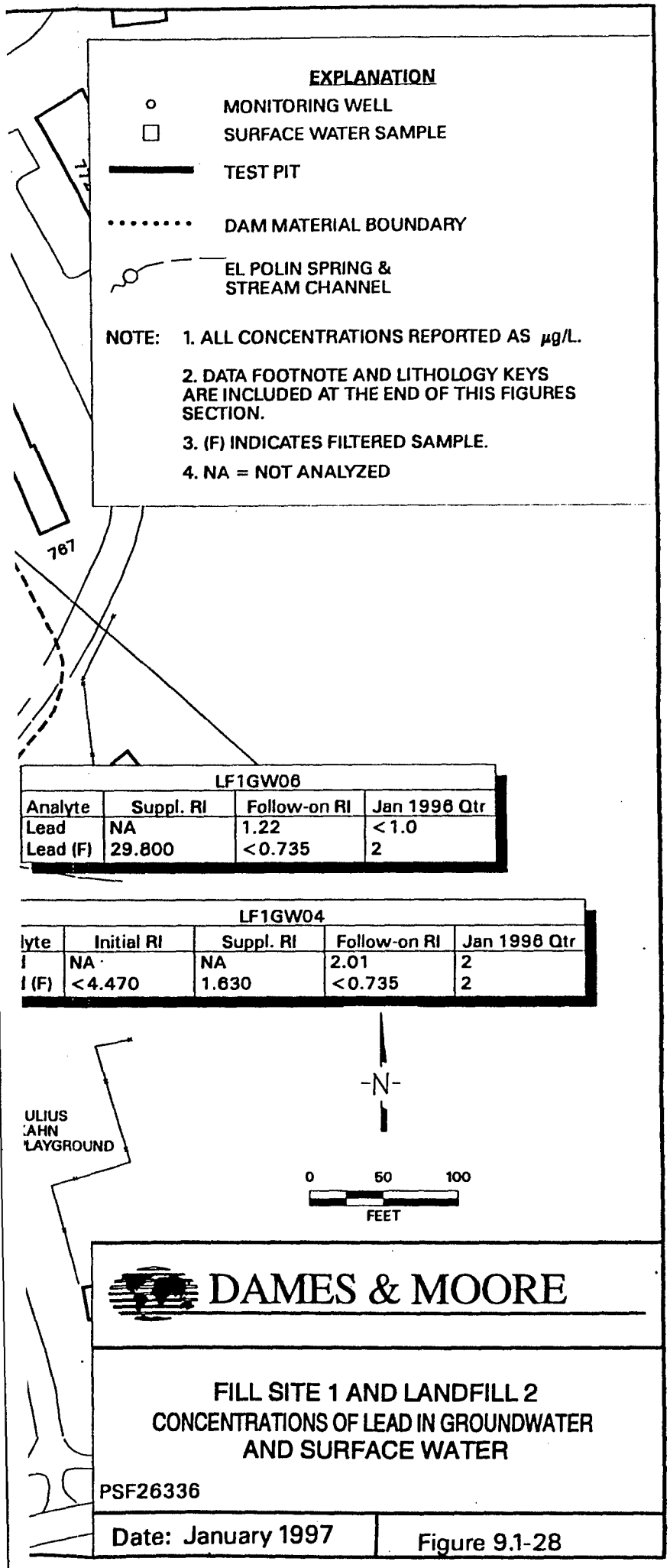


	Jan 1996 Qtr
4	
1	

LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qt
Lead	NA	1.22	<1.0
Lead (F)	29.800	<0.735	2

LF1GW04				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Ja
Lead	NA	NA	2.01	2
Lead (F)	<4.470	1.630	<0.735	2

96 Qtr	LF1GW07		
	Analyte	Follow-on RI	Jan 1996 Qtr
	Lead	<3	<1.0
	Lead (F)	<3	<1.0



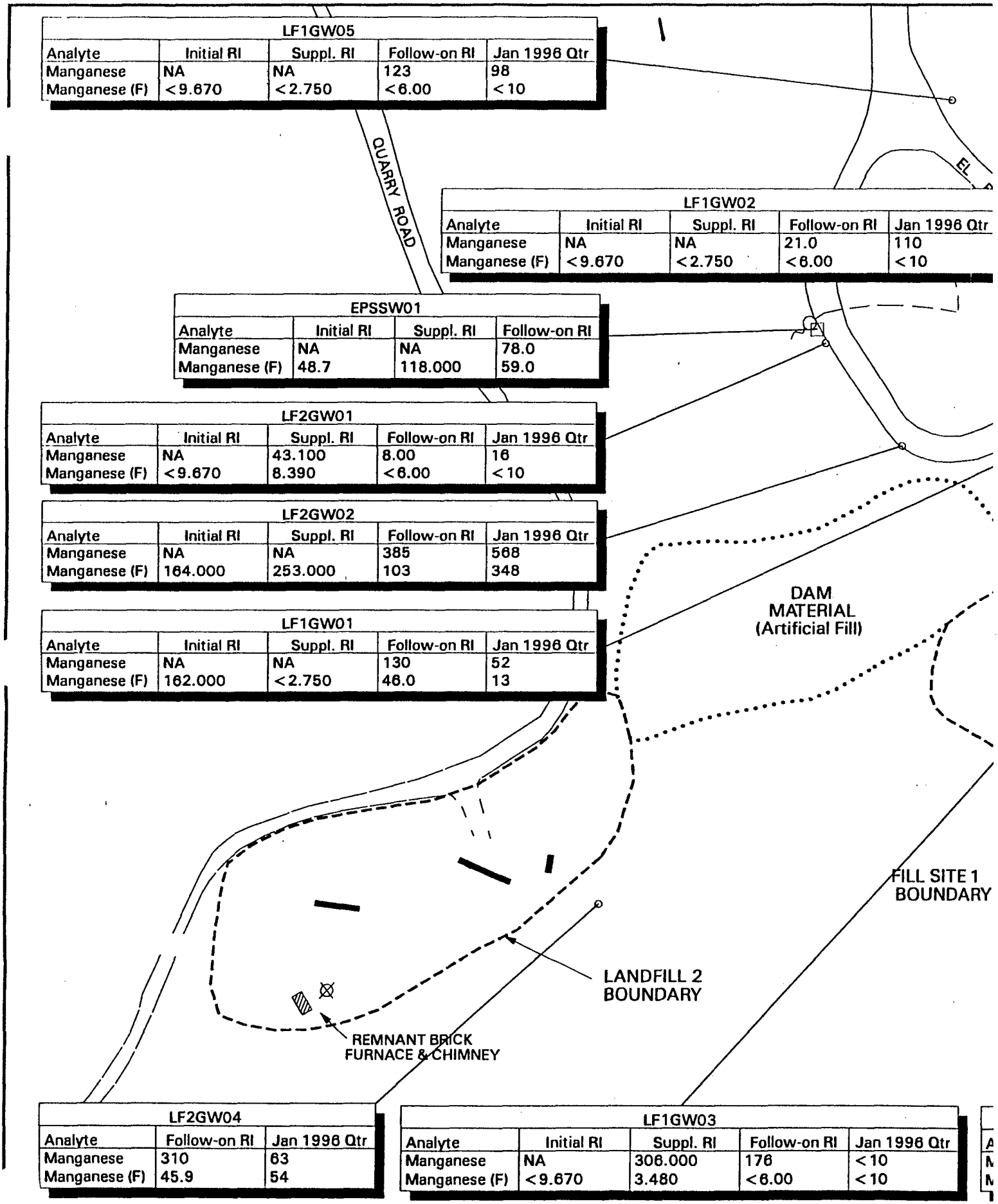
DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF LEAD IN GROUNDWATER AND SURFACE WATER

PSF26336

Date: January 1997

Figure 9.1-28



LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	123	98
Manganese (F)	<9.670	<2.750	<6.00	<10

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	21.0	110
Manganese (F)	<9.670	<2.750	<6.00	<10

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Manganese	NA	NA	78.0
Manganese (F)	48.7	118.000	59.0

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	43.100	8.00	16
Manganese (F)	<9.670	8.390	<6.00	<10

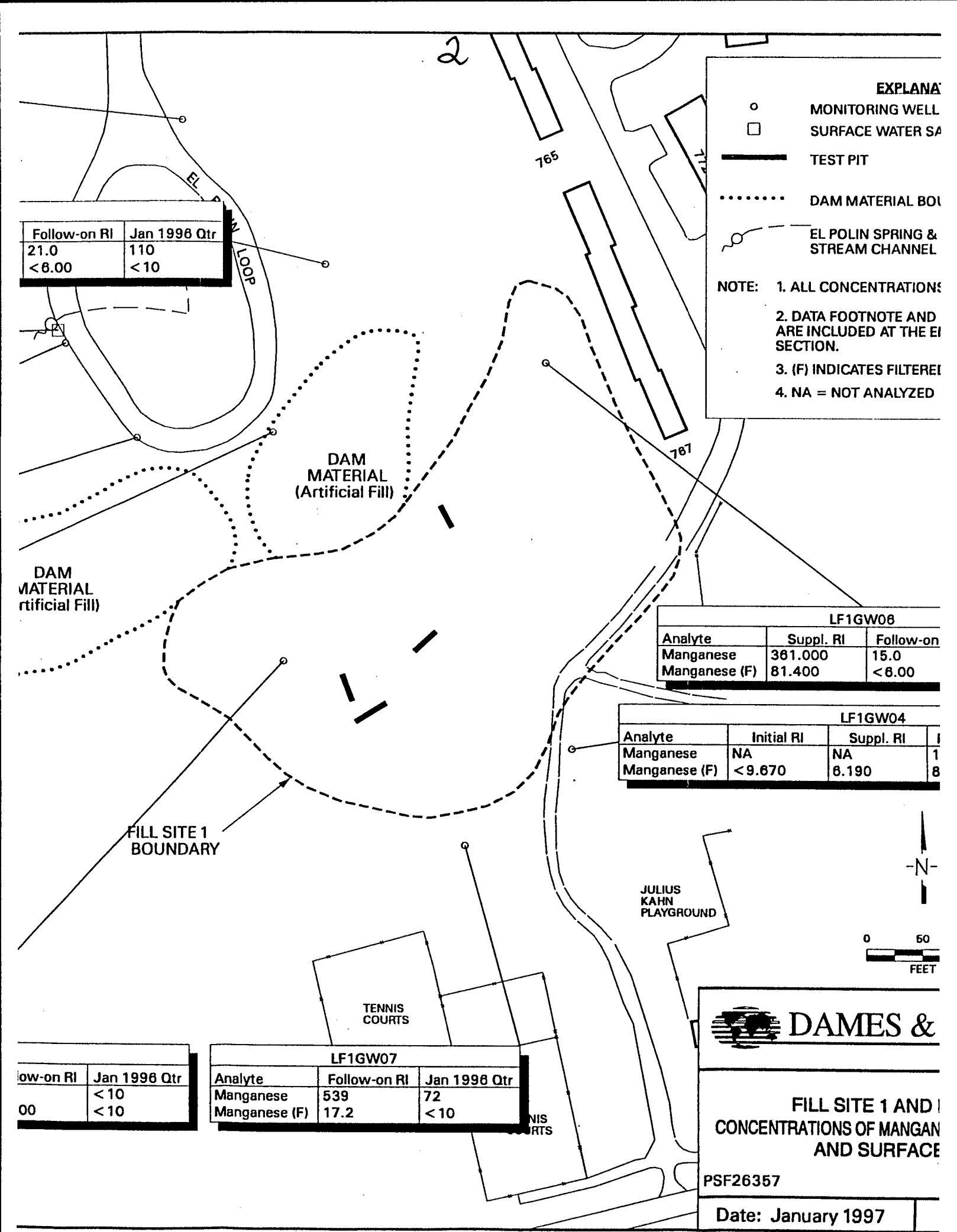
LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	385	568
Manganese (F)	164.000	253.000	103	348

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	130	52
Manganese (F)	162.000	<2.750	46.0	13

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Manganese	310	63
Manganese (F)	45.9	54

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	306.000	176	<10
Manganese (F)	<9.670	3.480	<6.00	<10

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



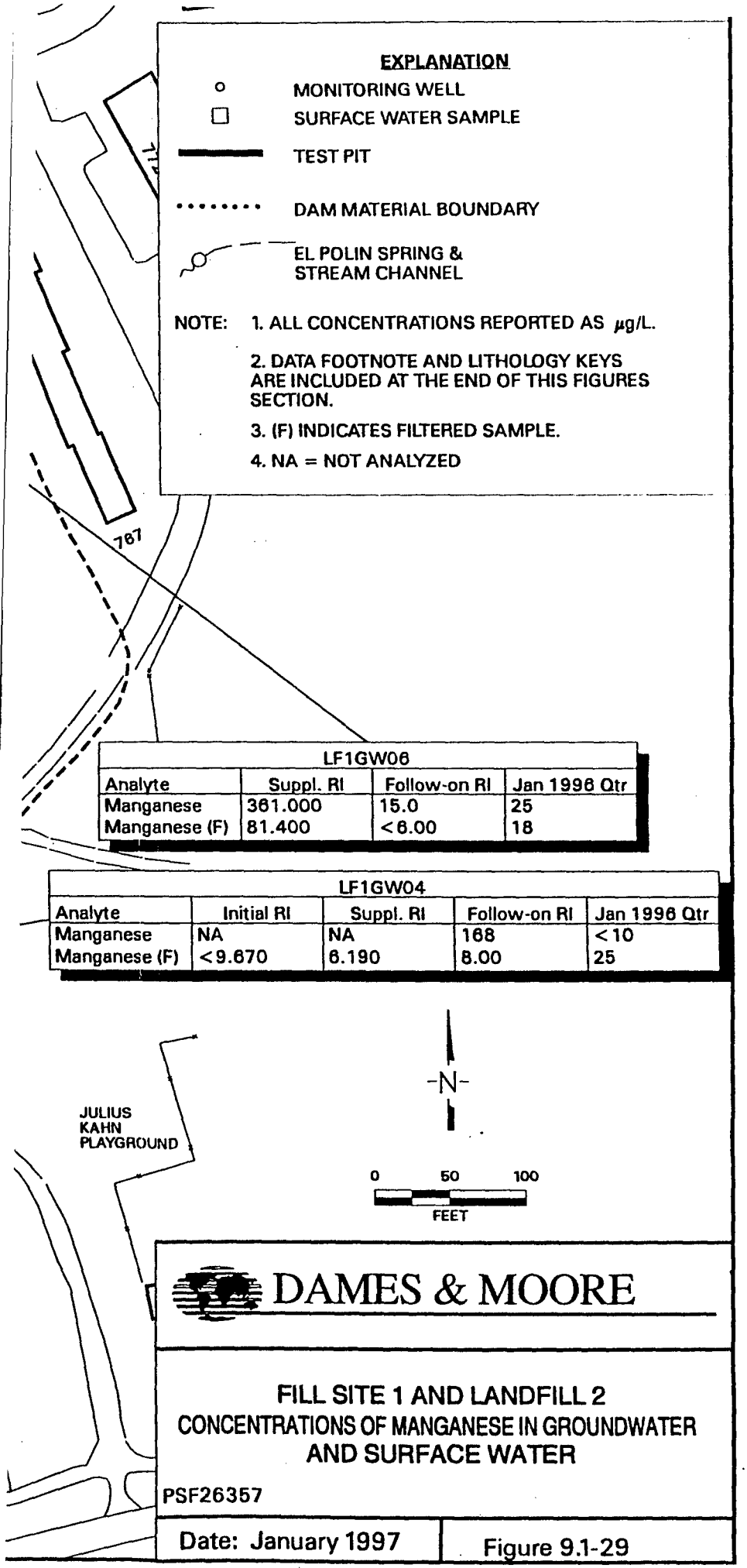
Follow-on RI	Jan 1996 Qtr
21.0	110
<6.00	<10

	LF1GW06	
Analyte	Suppl. RI	Follow-on
Manganese	361.000	15.0
Manganese (F)	81.400	<6.00

	LF1GW04		
Analyte	Initial RI	Suppl. RI	
Manganese	NA	NA	1
Manganese (F)	<9.670	6.190	8

ow-on RI	Jan 1996 Qtr
	<10
00	<10

	LF1GW07	
Analyte	Follow-on RI	Jan 1996 Qtr
Manganese	539	72
Manganese (F)	17.2	<10



LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	361.000	15.0	25
Manganese (F)	81.400	<6.00	18

LF1GW04				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	168	<10
Manganese (F)	<9.670	6.190	8.00	25

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FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF MANGANESE IN GROUNDWATER AND SURFACE WATER

PSF26357

Date: January 1997

Figure 9.1-29

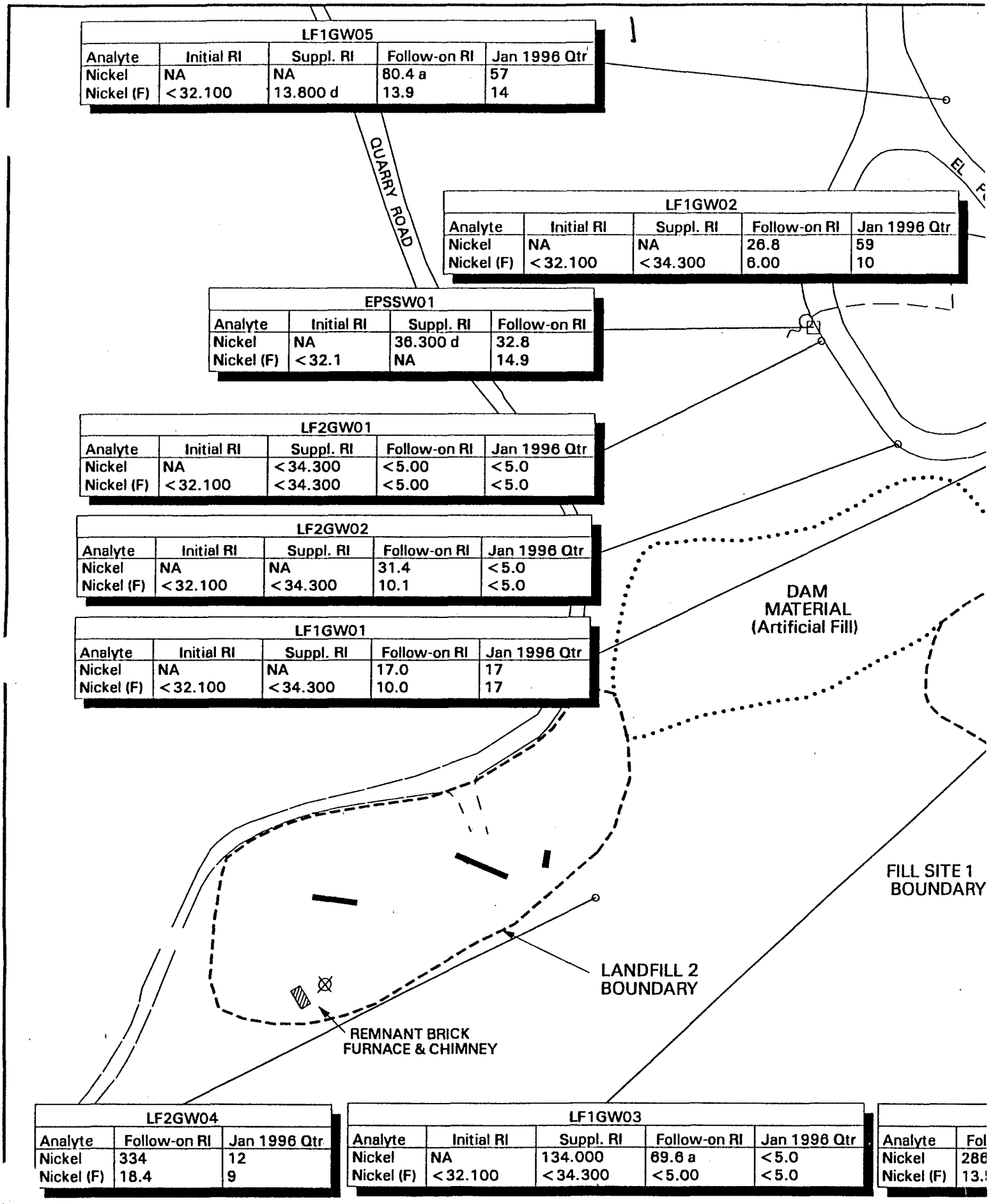
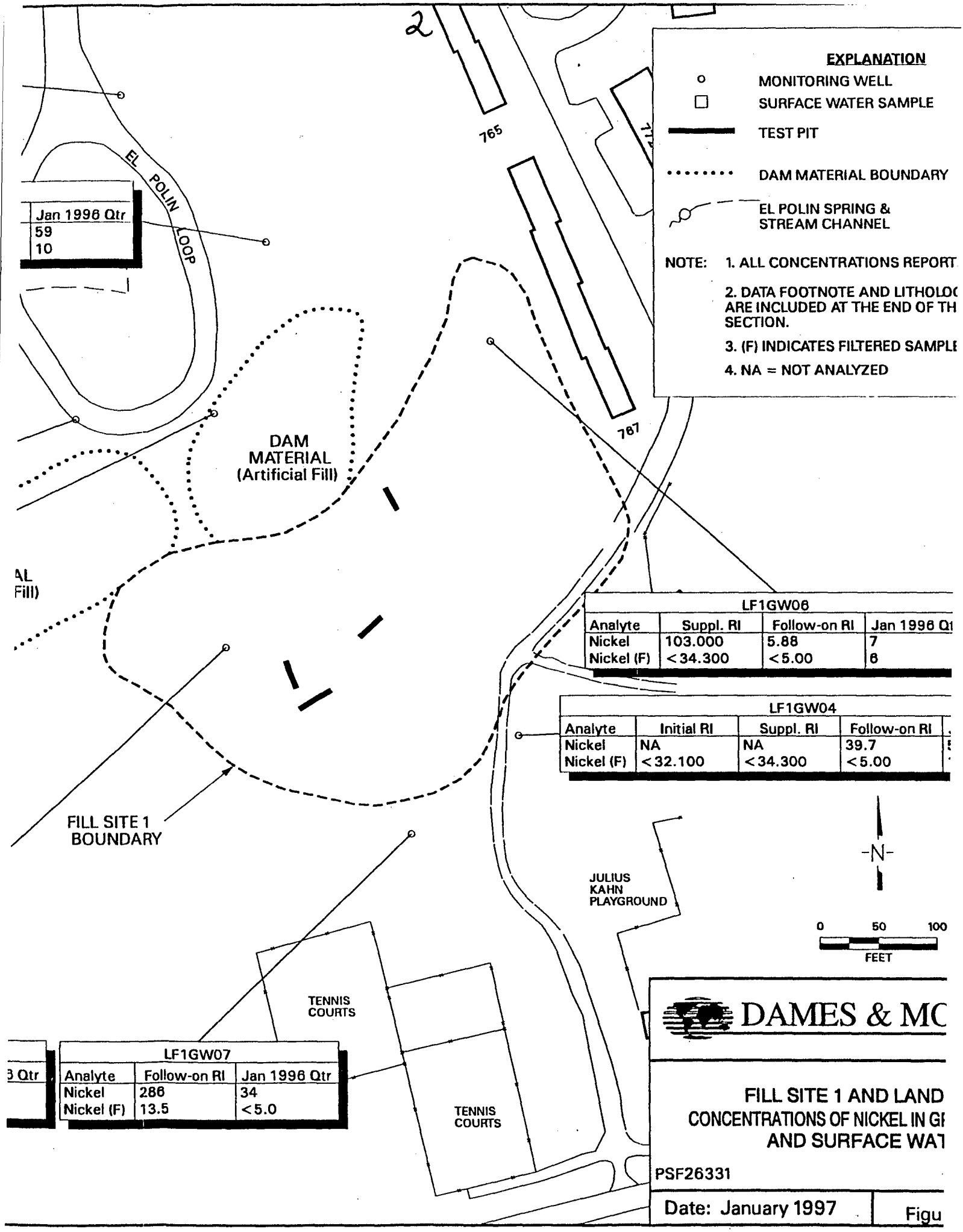


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

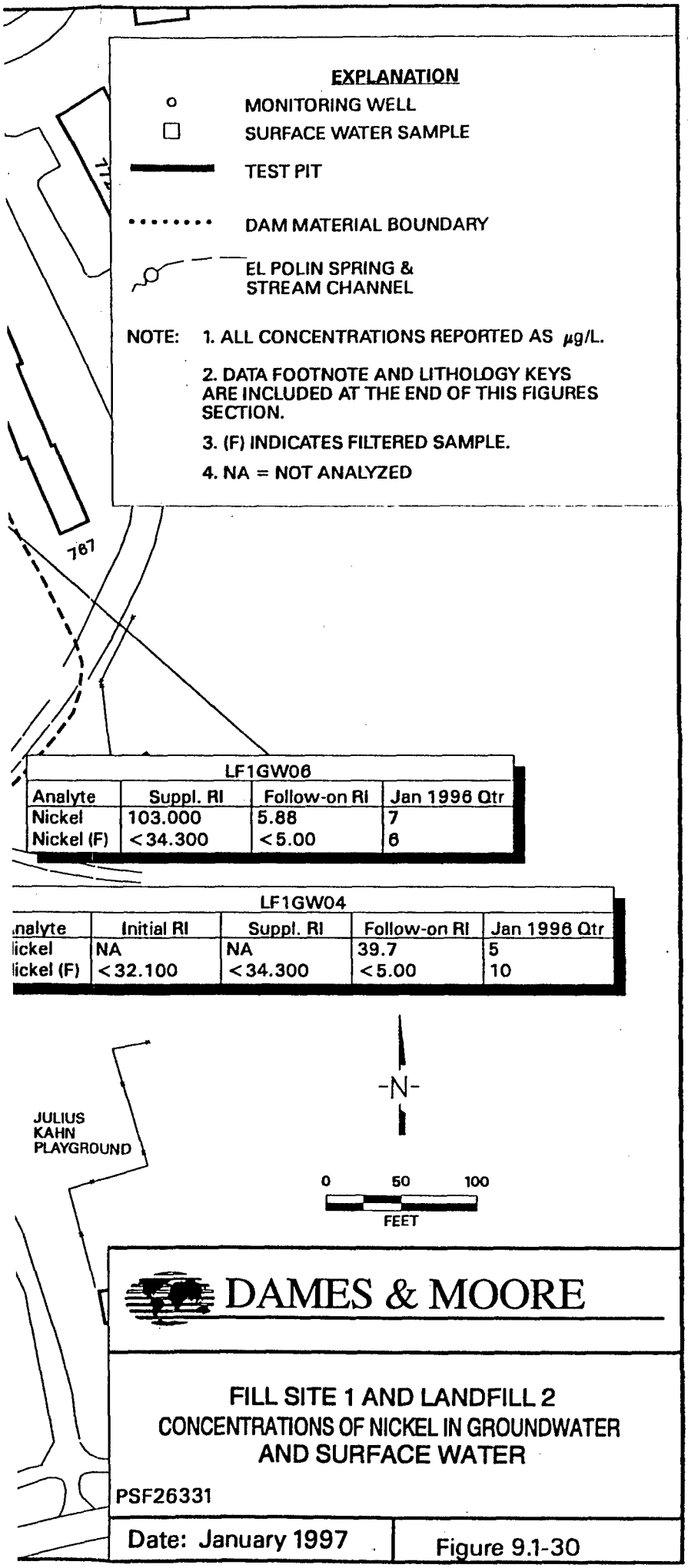


Jan 1996 Qtr
59
10

LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qt
Nickel	103.000	5.88	7
Nickel (F)	<34.300	<5.00	6

LF1GW04			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Nickel	NA	NA	39.7
Nickel (F)	<32.100	<34.300	<5.00

3 Qtr	LF1GW07		
	Analyte	Follow-on RI	Jan 1996 Qtr
	Nickel	286	34
	Nickel (F)	13.5	<5.0



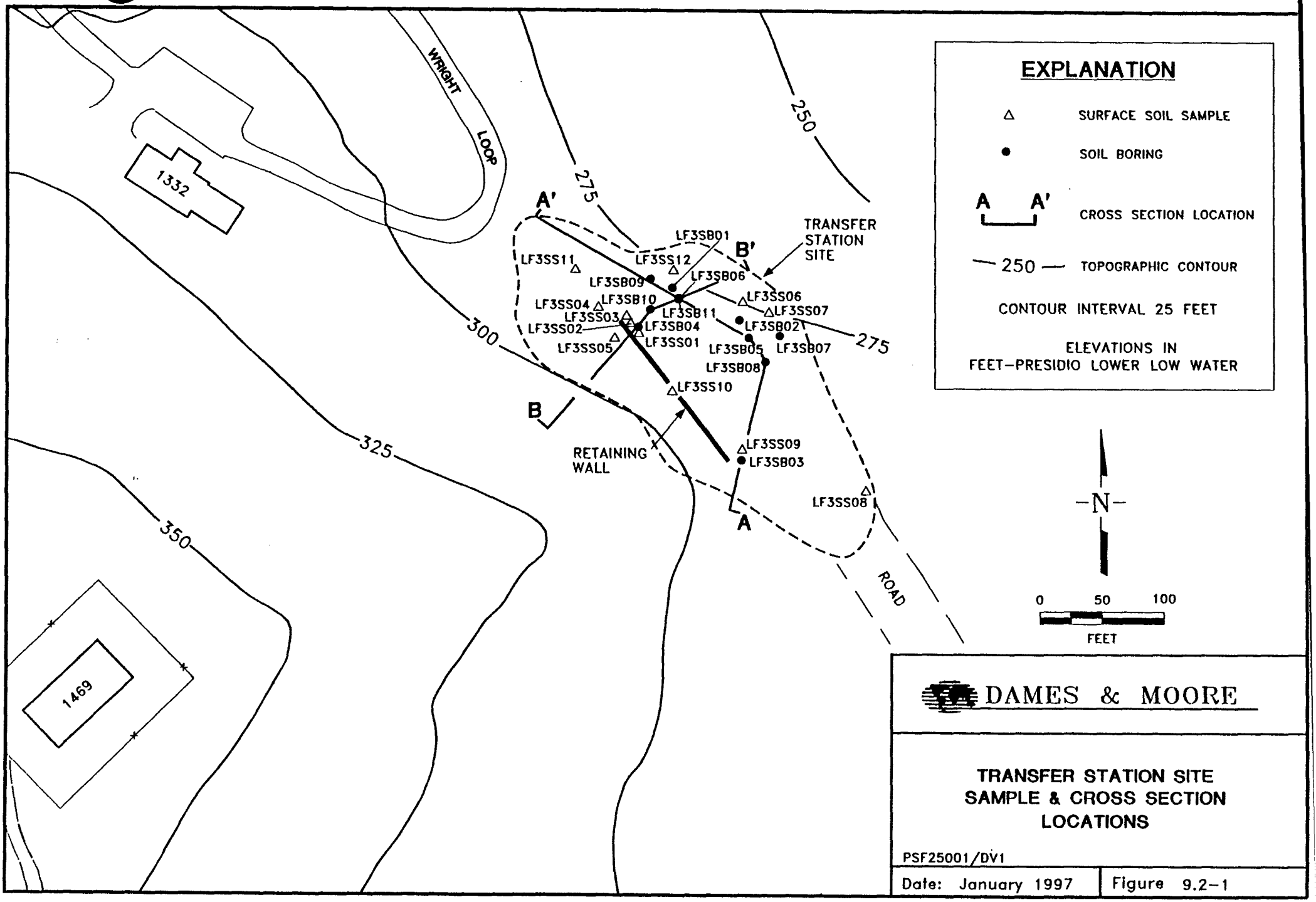
DAMES & MOORE

FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF NICKEL IN GROUNDWATER AND SURFACE WATER

PSF26331

Date: January 1997

Figure 9.1-30

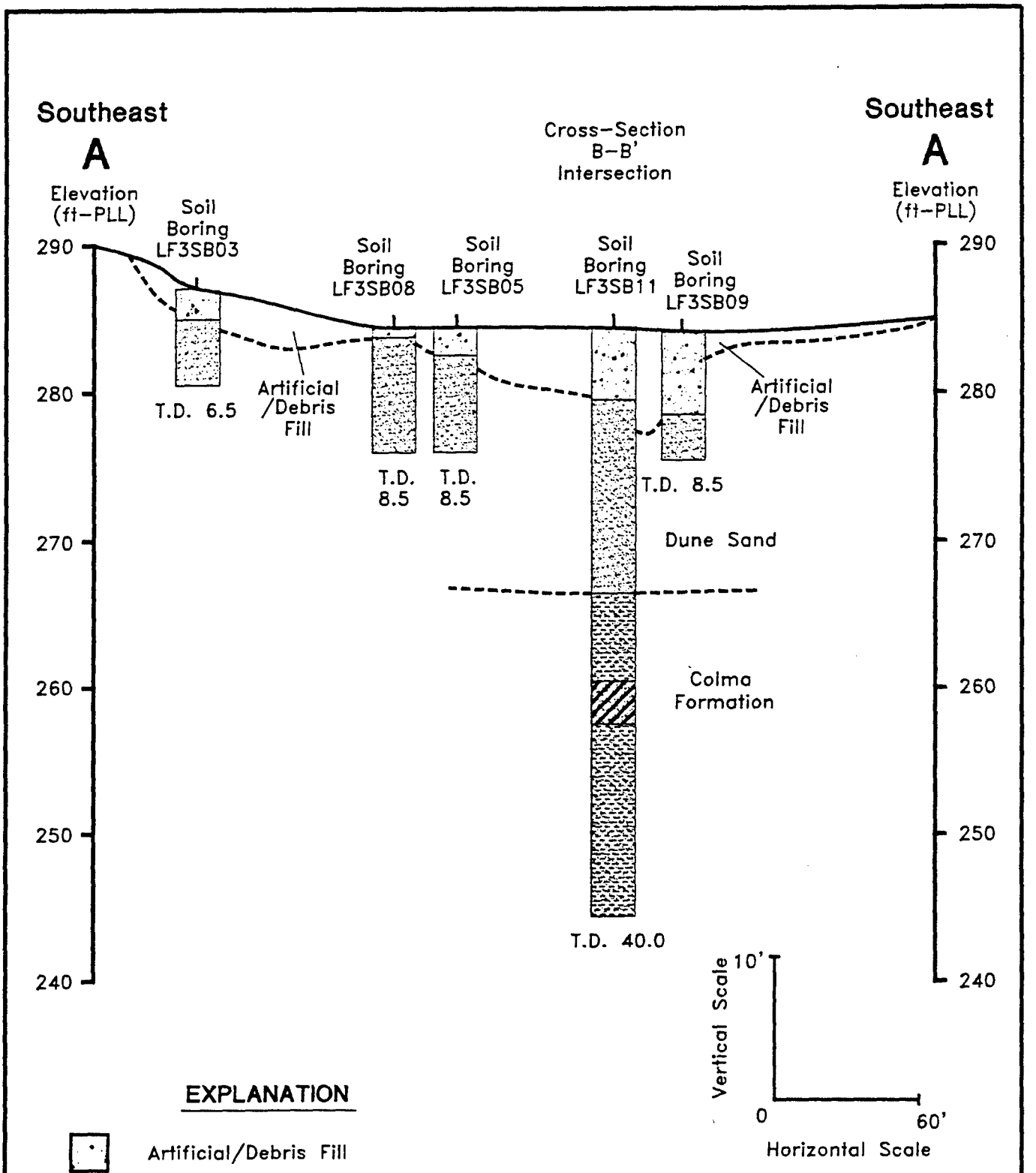


DAMES & MOORE

TRANSFER STATION SITE SAMPLE & CROSS SECTION LOCATIONS

PSF25001/DV1

Date: January 1997 | Figure 9.2-1



EXPLANATION

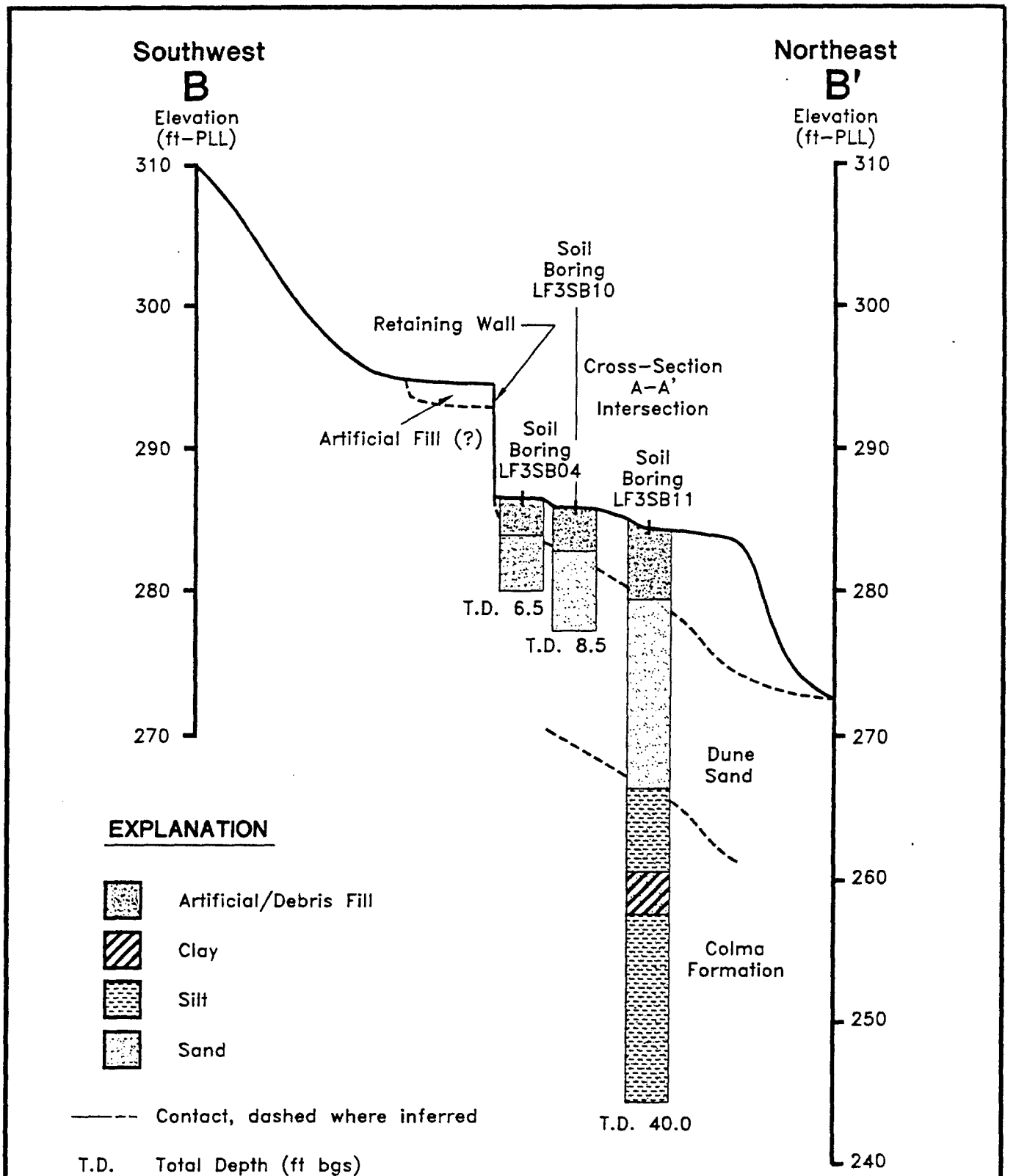
- Artificial/Debris Fill
- Clay
- Silt
- Sand
- Contact, dashed where inferred
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water

DAMES & MOORE

TRANSFER STATION SITE
CROSS SECTION A-A'

PSF25048/DV1

Date: January 1997 | Figure 9.2-2

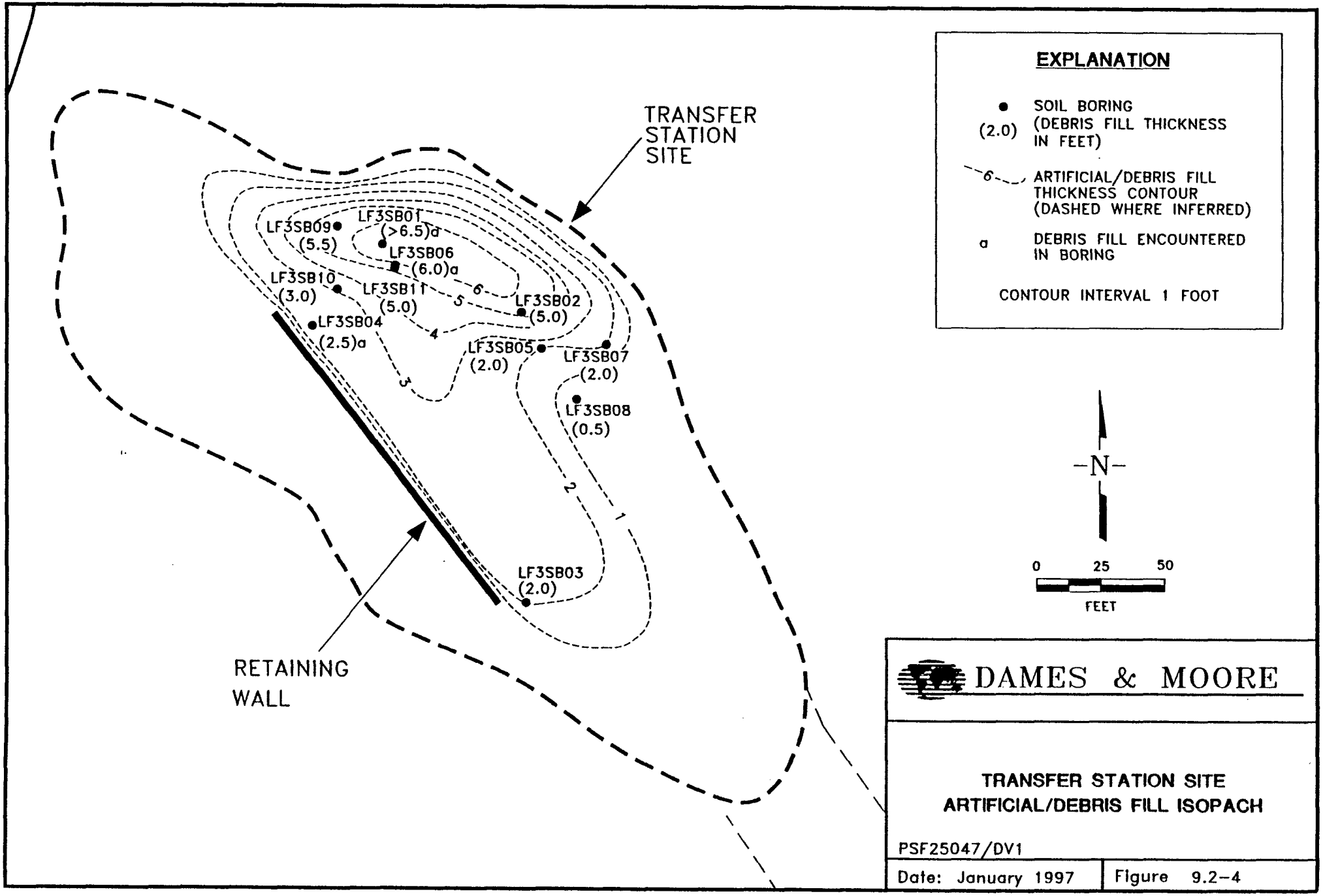


DAMES & MOORE

TRANSFER STATION SITE
CROSS SECTION B-B'

PSF25049/DV1

Date: January 1997 | Figure 9.2-3



DAMES & MOORE

TRANSFER STATION SITE
ARTIFICIAL/DEBRIS FILL ISOPACH

PSF25047/DV1

Date: January 1997 | Figure 9.2-4

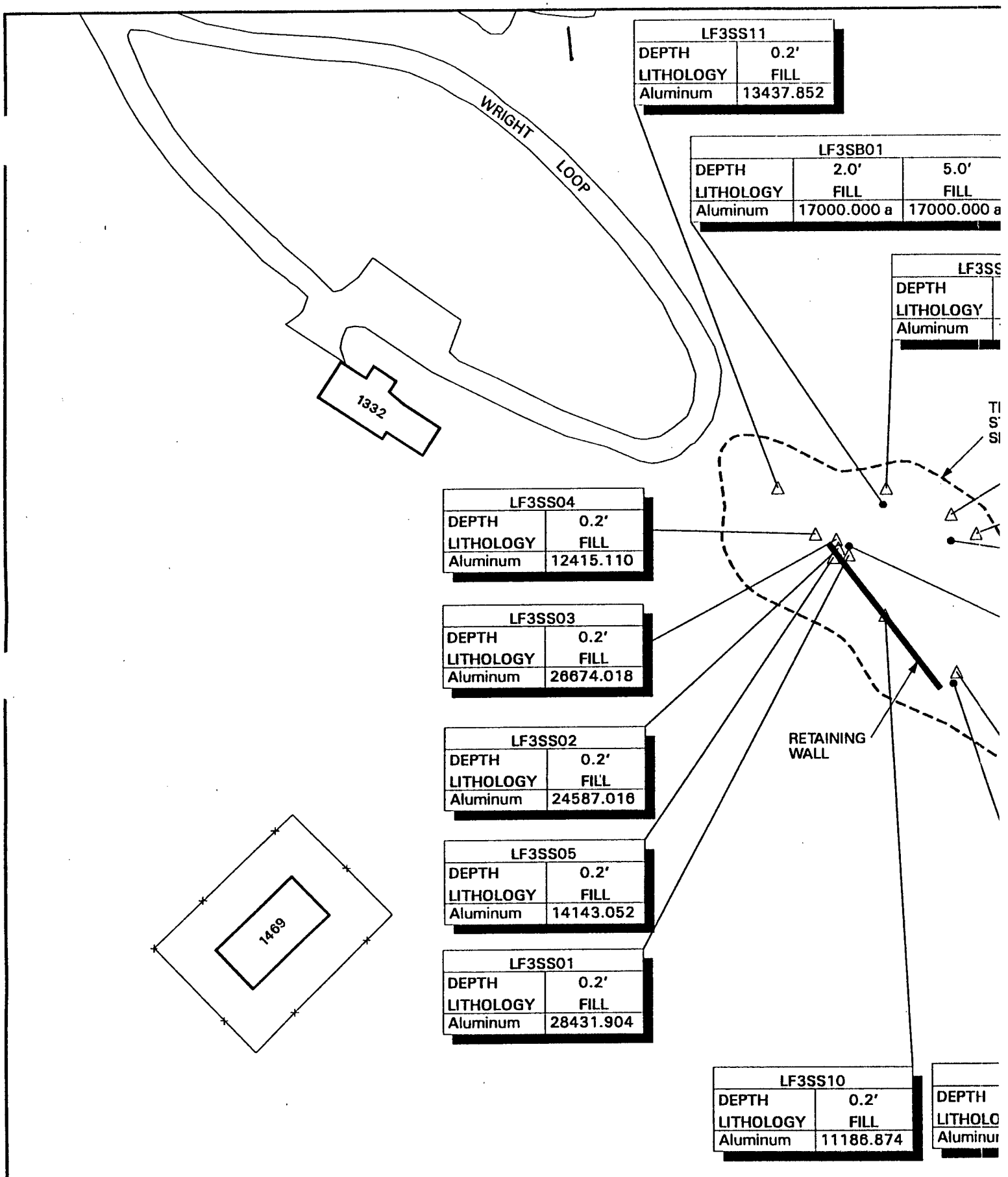
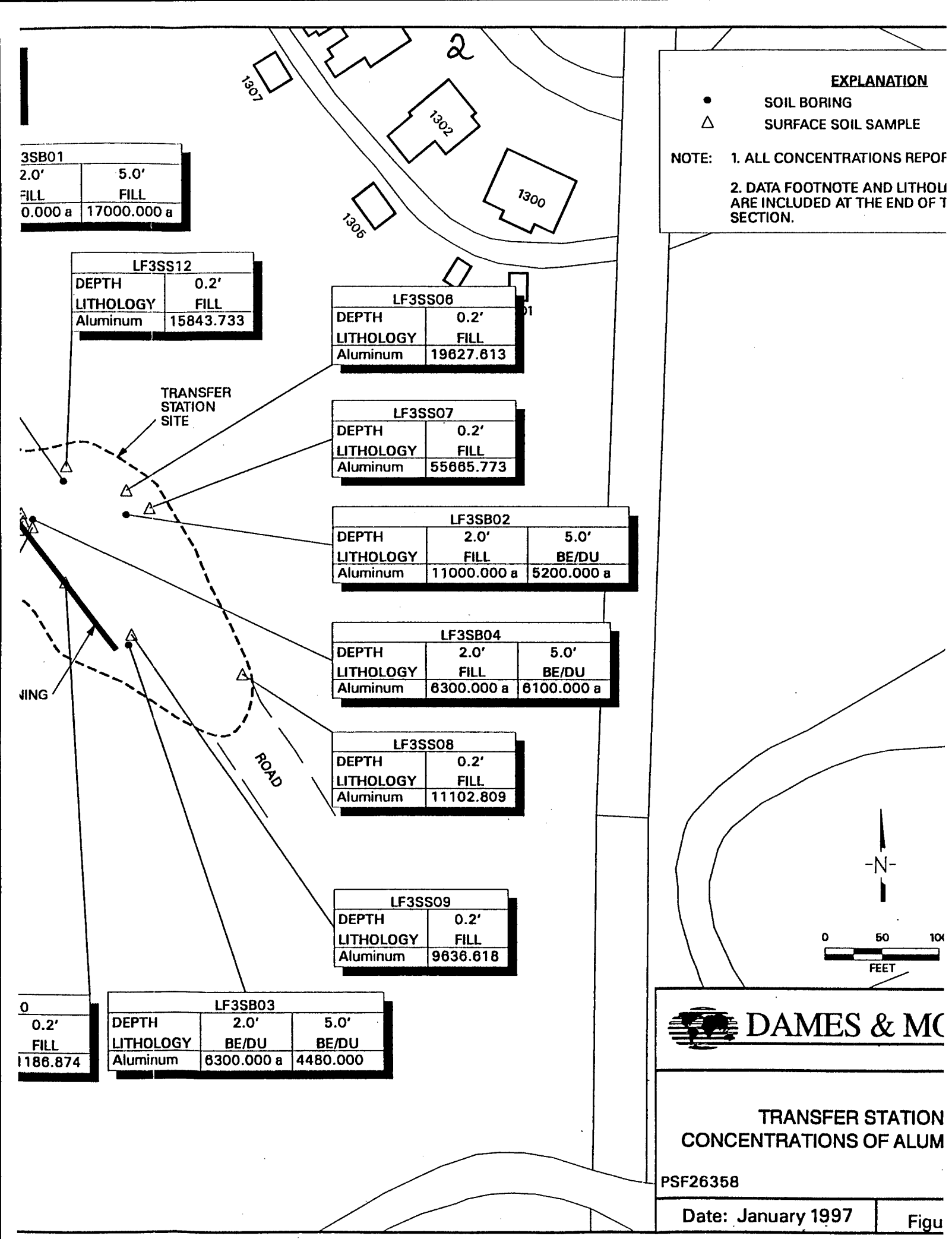


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 15:42:27 Webster ...e_11x17_v3.aml, pixdlle base_TRANS_S_1.grs, PSF


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS REPOF
2. DATA FOOTNOTE AND LITHOLI ARE INCLUDED AT THE END OF T SECTION.
1307
1302
1300
1306
2
3SB01
2.0' FILL 0.000 a
5.0' FILL 17000.000 a
LF3SS12
DEPTH 0.2'
LITHOLOGY FILL
Aluminum 15843.733
LF3SS06
DEPTH 0.2'
LITHOLOGY FILL
Aluminum 19627.613
TRANSFER STATION SITE
LF3SS07
DEPTH 0.2'
LITHOLOGY FILL
Aluminum 55665.773
LF3SB02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 11000.000 a 5200.000 a
LF3SB04
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Aluminum 6300.000 a 6100.000 a
NING
ROAD
LF3SS08
DEPTH 0.2'
LITHOLOGY FILL
Aluminum 11102.809
LF3SS09
DEPTH 0.2'
LITHOLOGY FILL
Aluminum 9636.618
0
0.2' FILL
1186.874
LF3SB03
DEPTH 2.0' 5.0'
LITHOLOGY BE/DU BE/DU
Aluminum 6300.000 a 4480.000
N
0 50 100
FEET
DAMES & MC
TRANSFER STATION
CONCENTRATIONS OF ALUM
PSF26358
Date: January 1997
Figu

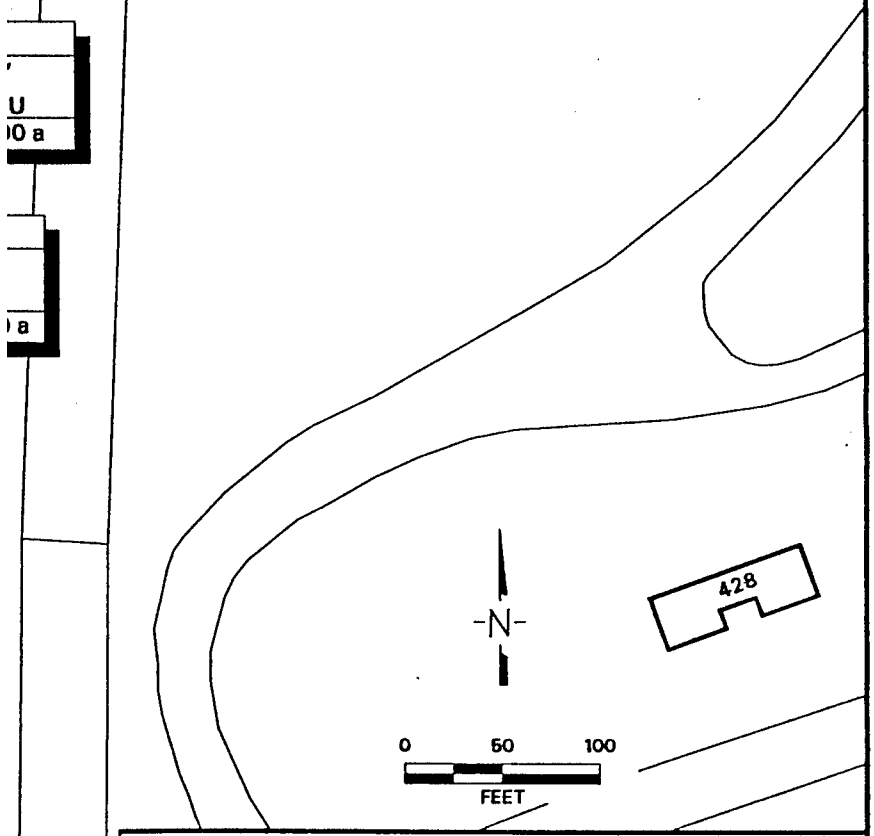
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26358

Date: January 1997

Figure 9.2-5

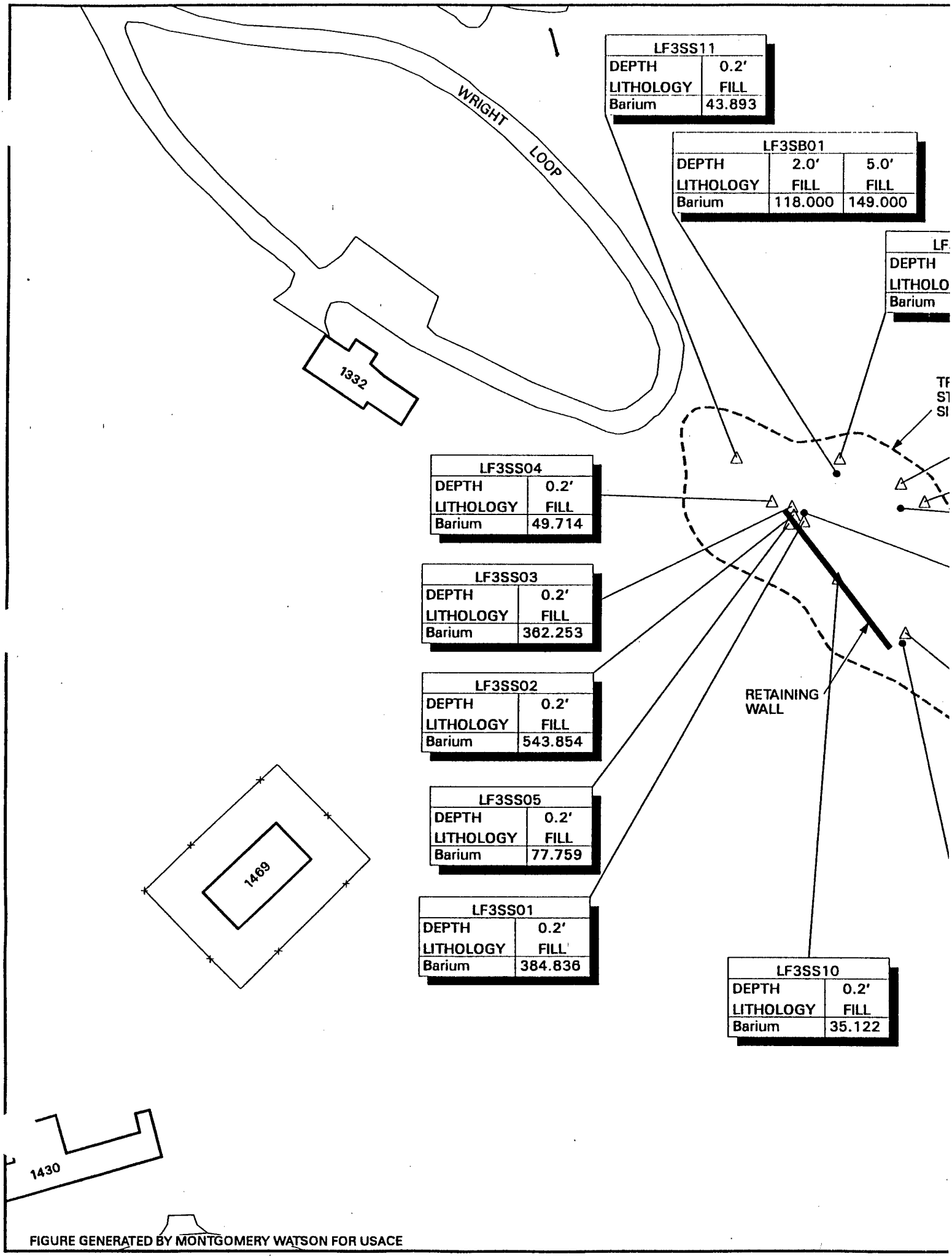
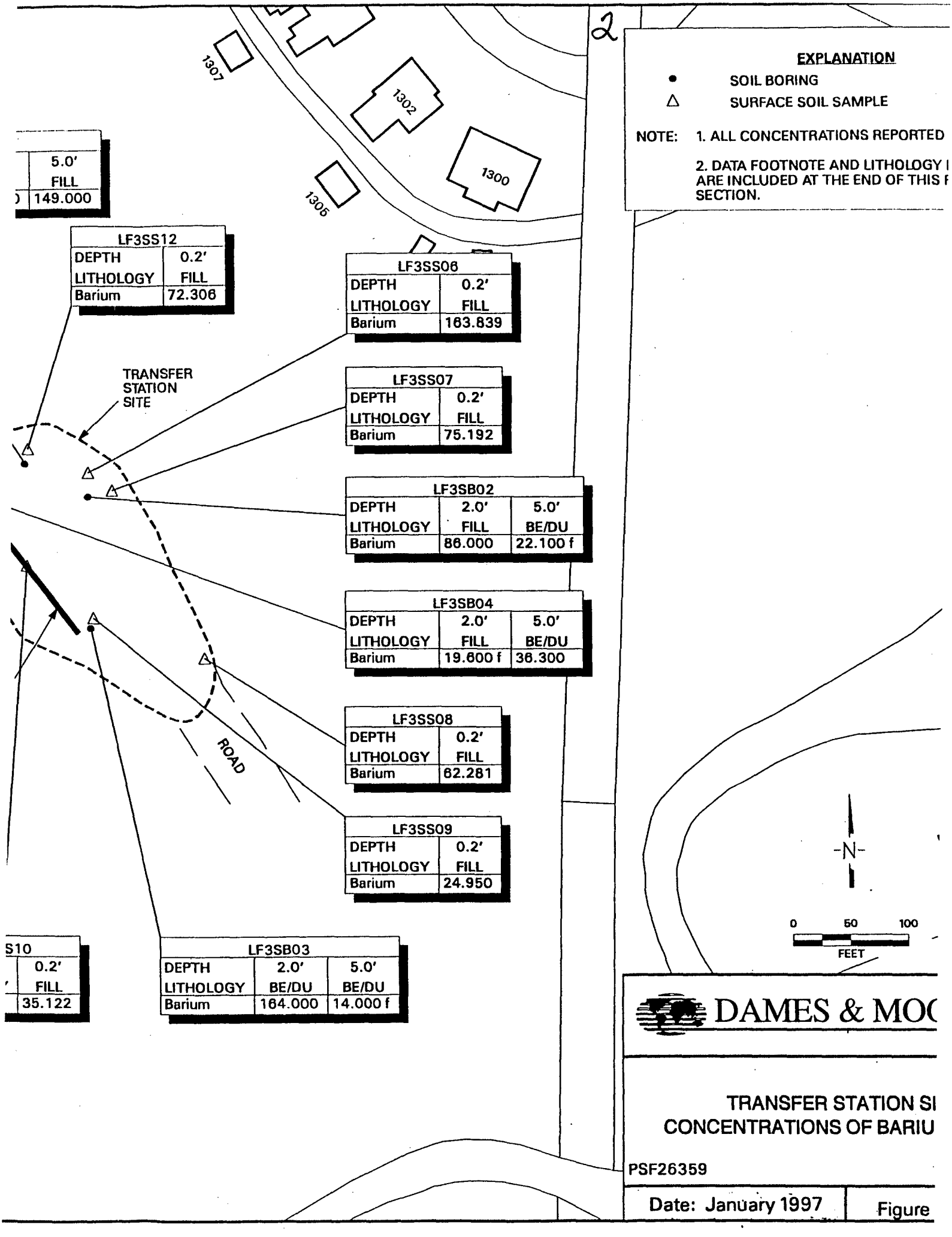


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY I
ARE INCLUDED AT THE END OF THIS F
SECTION.
1307
1302
1300
1306
5.0'
FILL
149.000
LF3SS12
DEPTH 0.2'
LITHOLOGY FILL
Barium 72.306
LF3SS06
DEPTH 0.2'
LITHOLOGY FILL
Barium 183.839
TRANSFER
STATION
SITE
LF3SS07
DEPTH 0.2'
LITHOLOGY FILL
Barium 75.192
LF3SB02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Barium 86.000 22.100 f
LF3SB04
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Barium 19.600 f 36.300
LF3SS08
DEPTH 0.2'
LITHOLOGY FILL
Barium 62.281
ROAD
LF3SS09
DEPTH 0.2'
LITHOLOGY FILL
Barium 24.950
S10
0.2'
FILL
35.122
LF3SB03
DEPTH 2.0' 5.0'
LITHOLOGY BE/DU BE/DU
Barium 164.000 14.000 f
-N-
0 50 100
FEET
DAMES & MOC
TRANSFER STATION SI
CONCENTRATIONS OF BARIU
PSF26359
Date: January 1997
Figure

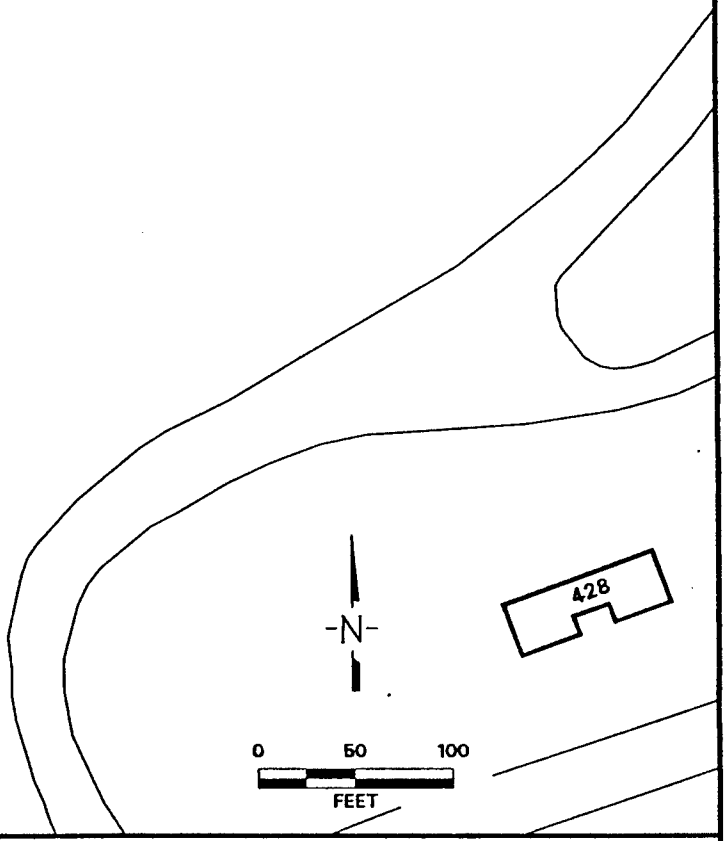
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF BARIUM IN SOIL

PSF26359

Date: January 1997 | Figure 9.2-6

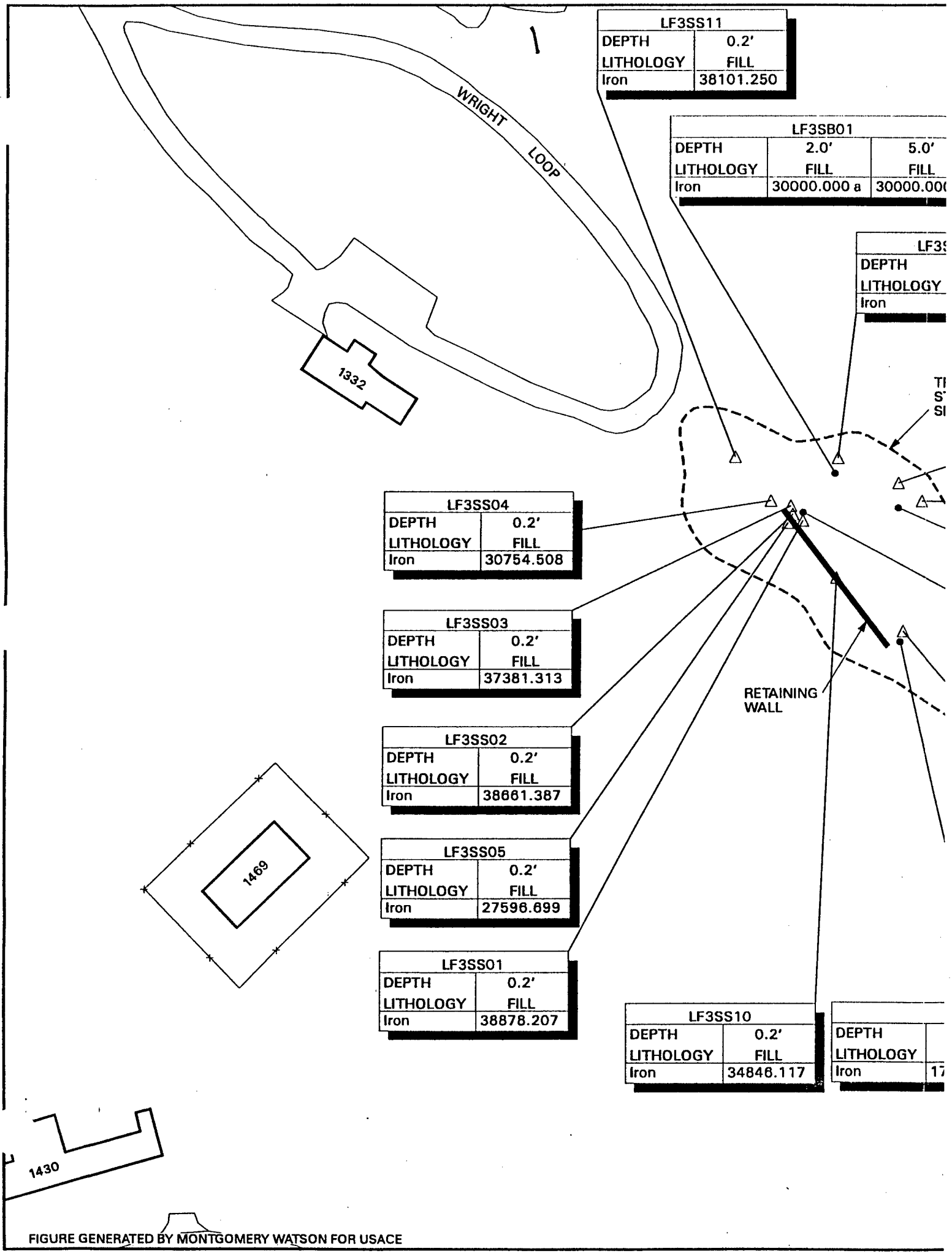
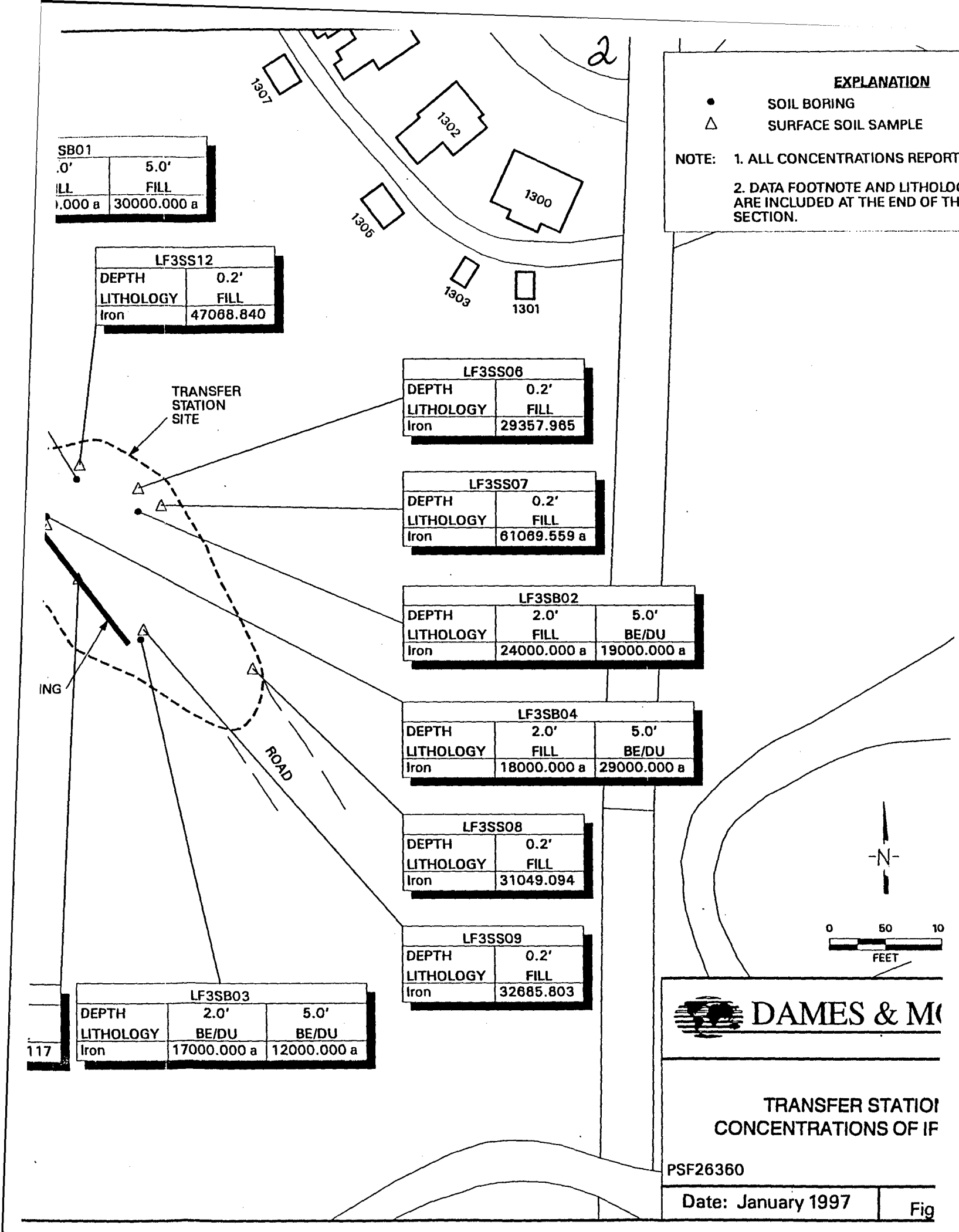


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS REPORTEI
2. DATA FOOTNOTE AND LITHOLOG
ARE INCLUDED AT THE END OF THIS
SECTION.
1307
1302
1300
1305
1303
1301
2
SB01
.0'
ILL
.000 a
5.0'
FILL
30000.000 a
LF3SS12
DEPTH 0.2'
LITHOLOGY FILL
Iron 47068.840
LF3SS06
DEPTH 0.2'
LITHOLOGY FILL
Iron 29357.965
LF3SS07
DEPTH 0.2'
LITHOLOGY FILL
Iron 61069.559 a
LF3SB02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Iron 24000.000 a 19000.000 a
LF3SB04
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Iron 18000.000 a 29000.000 a
LF3SS08
DEPTH 0.2'
LITHOLOGY FILL
Iron 31049.094
LF3SS09
DEPTH 0.2'
LITHOLOGY FILL
Iron 32685.803
LF3SB03
DEPTH 2.0' 5.0'
LITHOLOGY BE/DU BE/DU
Iron 17000.000 a 12000.000 a
TRANSFER
STATION
SITE
ROAD
ING
117
-N-
0 50 10
FEET
DAMES & M
TRANSFER STATIOI
CONCENTRATIONS OF IF
PSF26360
Date: January 1997
Fig

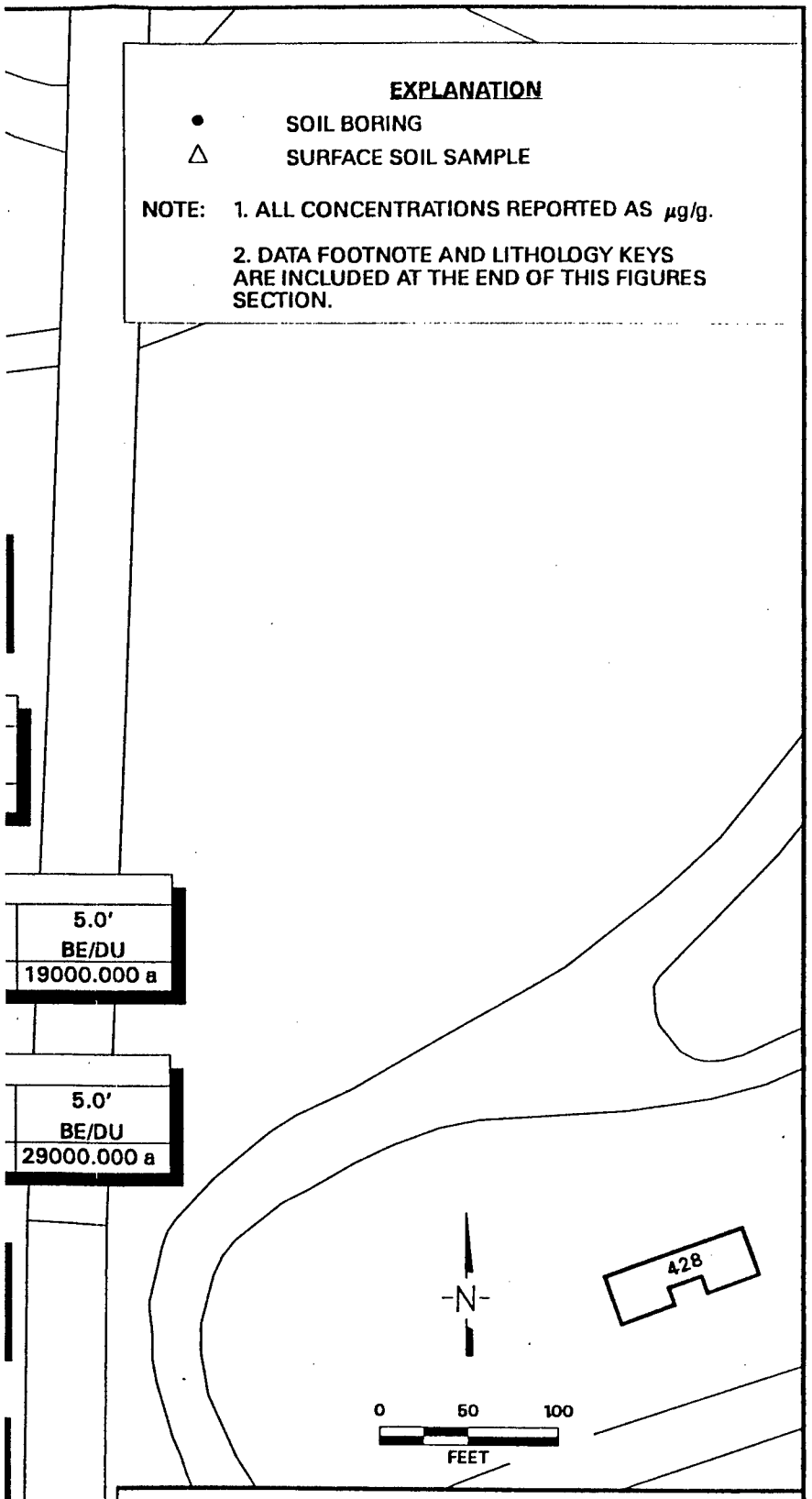
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF IRON IN SOIL

PSF26360

Date: January 1997

Figure 9.2-7

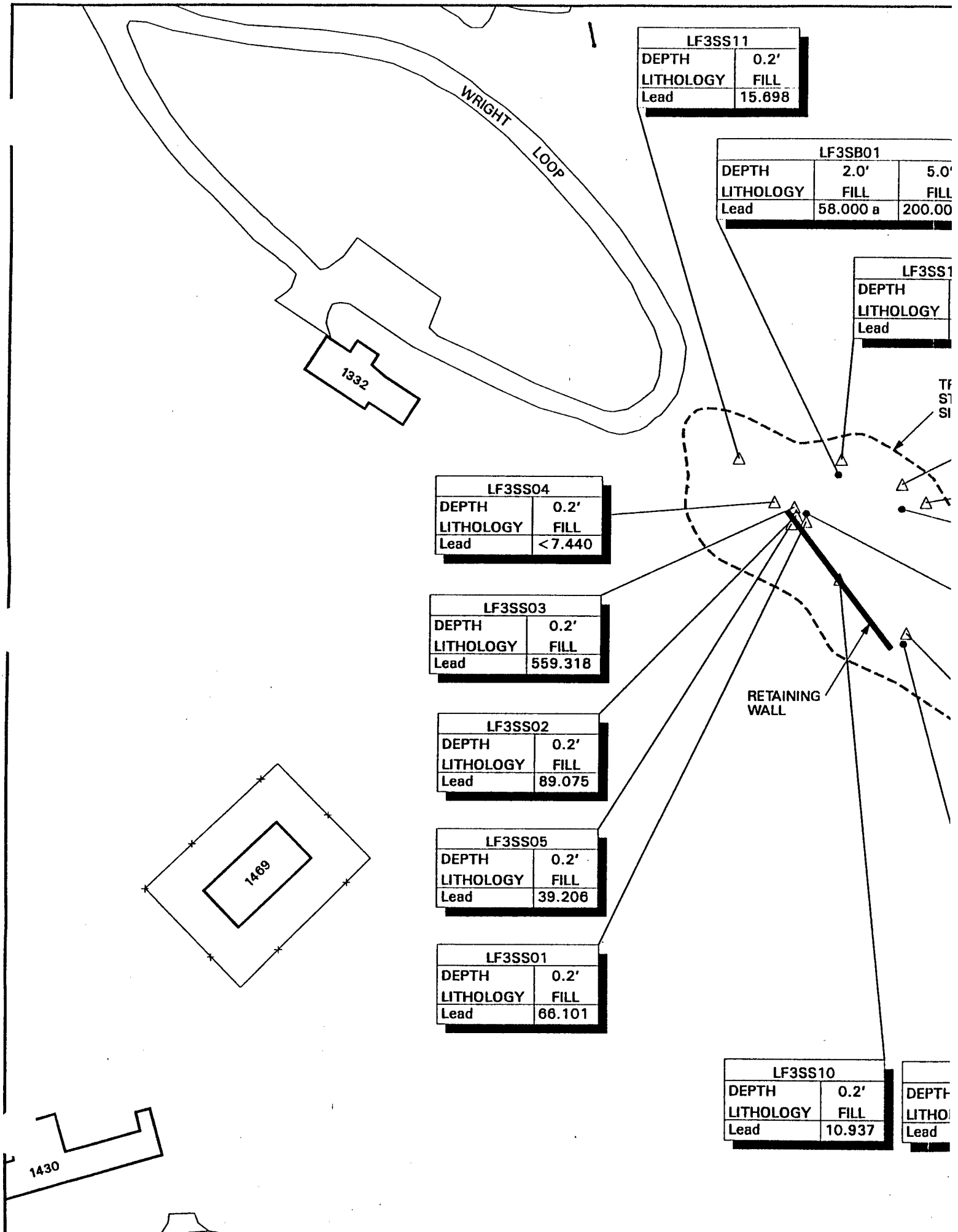
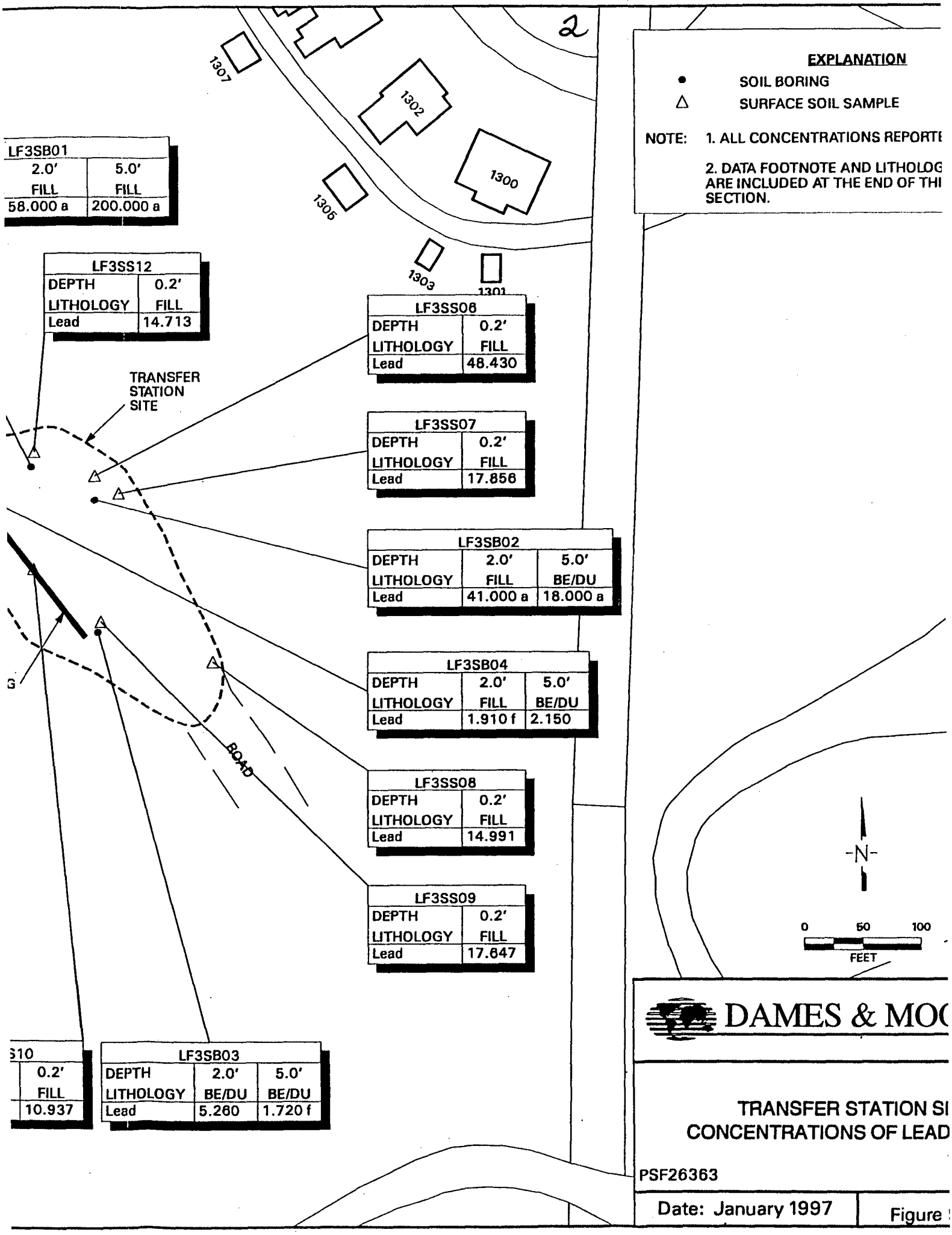


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
1307
1302
1300
1306
1303
1301
2
LF3SB01
2.0' FILL 58.000 a
5.0' FILL 200.000 a
LF3SS12
DEPTH 0.2'
LITHOLOGY FILL
Lead 14.713
LF3SS06
DEPTH 0.2'
LITHOLOGY FILL
Lead 48.430
TRANSFER STATION SITE
LF3SS07
DEPTH 0.2'
LITHOLOGY FILL
Lead 17.856
LF3SB02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Lead 41.000 a 18.000 a
LF3SB04
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Lead 1.910 f 2.150
ROAD
LF3SS08
DEPTH 0.2'
LITHOLOGY FILL
Lead 14.991
LF3SS09
DEPTH 0.2'
LITHOLOGY FILL
Lead 17.647
S10
0.2' FILL 10.937
LF3SB03
DEPTH 2.0' 5.0'
LITHOLOGY BE/DU BE/DU
Lead 5.260 1.720 f
-N-
0 50 100
FEET
DAMES & MOC
TRANSFER STATION SI
CONCENTRATIONS OF LEAD
PSF26363
Date: January 1997
Figure

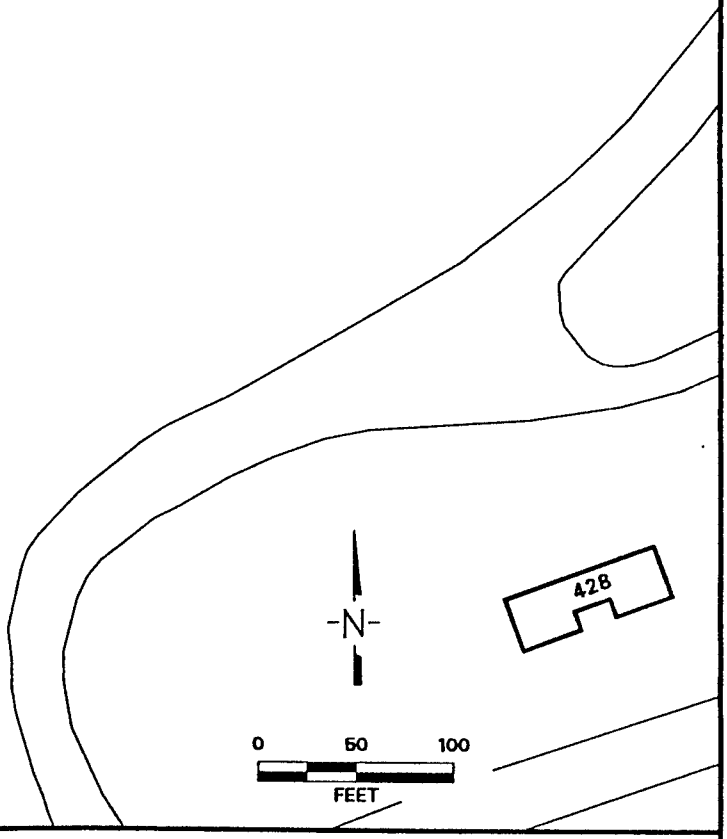
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF LEAD IN SOIL

PSF26363

Date: January 1997

Figure 9.2-8

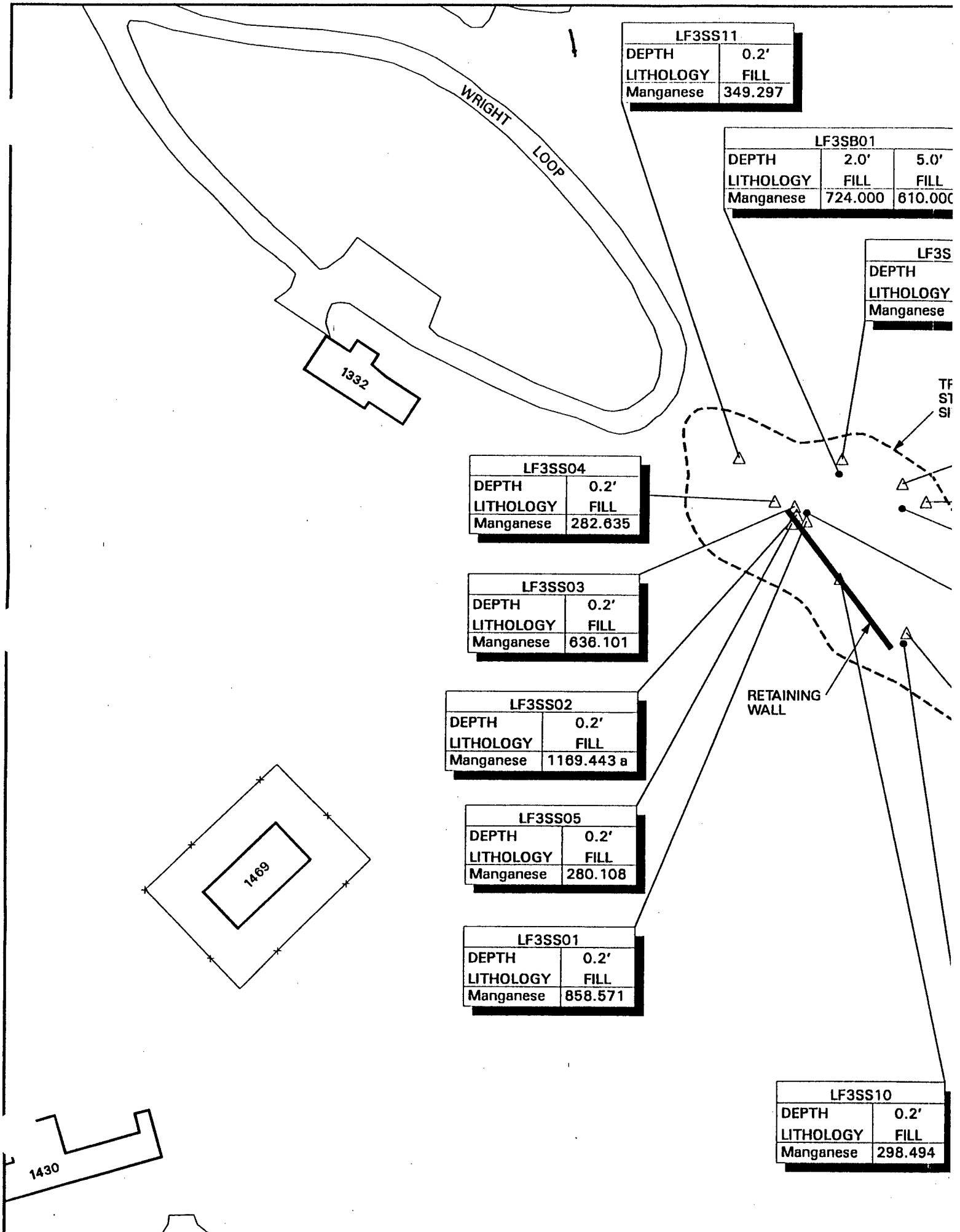
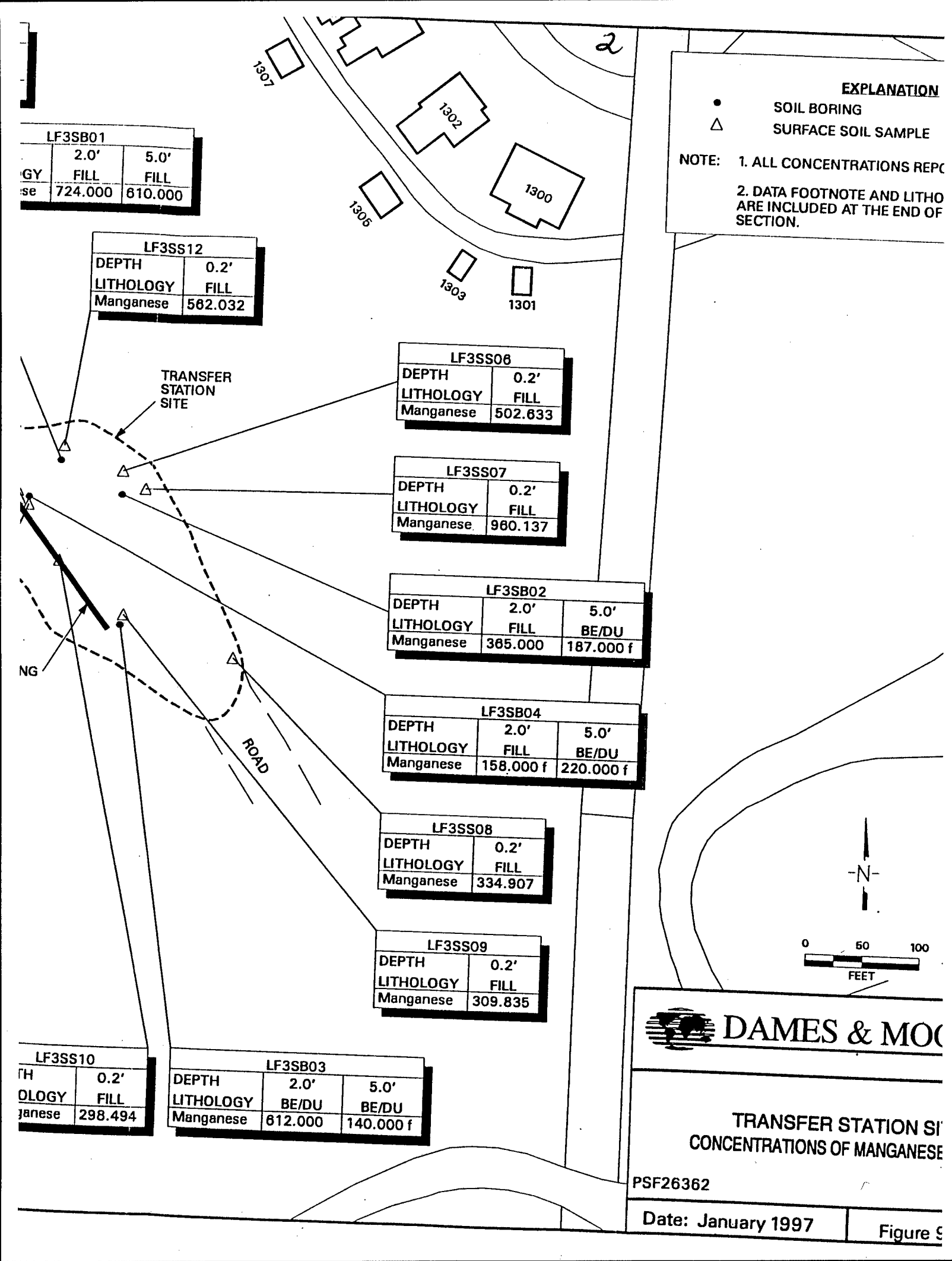


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
1307
1302
1300
1306
1303
1301
2
LF3SB01
2.0' FILL 724.000
5.0' FILL 610.000
LF3SS12
DEPTH 0.2'
LITHOLOGY FILL
Manganese 562.032
LF3SS06
DEPTH 0.2'
LITHOLOGY FILL
Manganese 502.633
LF3SS07
DEPTH 0.2'
LITHOLOGY FILL
Manganese 960.137
LF3SB02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Manganese 365.000 187.000 f
LF3SB04
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Manganese 158.000 f 220.000 f
LF3SS08
DEPTH 0.2'
LITHOLOGY FILL
Manganese 334.907
LF3SS09
DEPTH 0.2'
LITHOLOGY FILL
Manganese 309.835
LF3SS10
0.2' FILL 298.494
LF3SB03
DEPTH 2.0' 5.0'
LITHOLOGY BE/DU BE/DU
Manganese 612.000 140.000 f
TRANSFER STATION SITE
ROAD
N
0 50 100
FEET
DAMES & MOO
TRANSFER STATION SI
CONCENTRATIONS OF MANGANESE
PSF26362
Date: January 1997
Figure 9

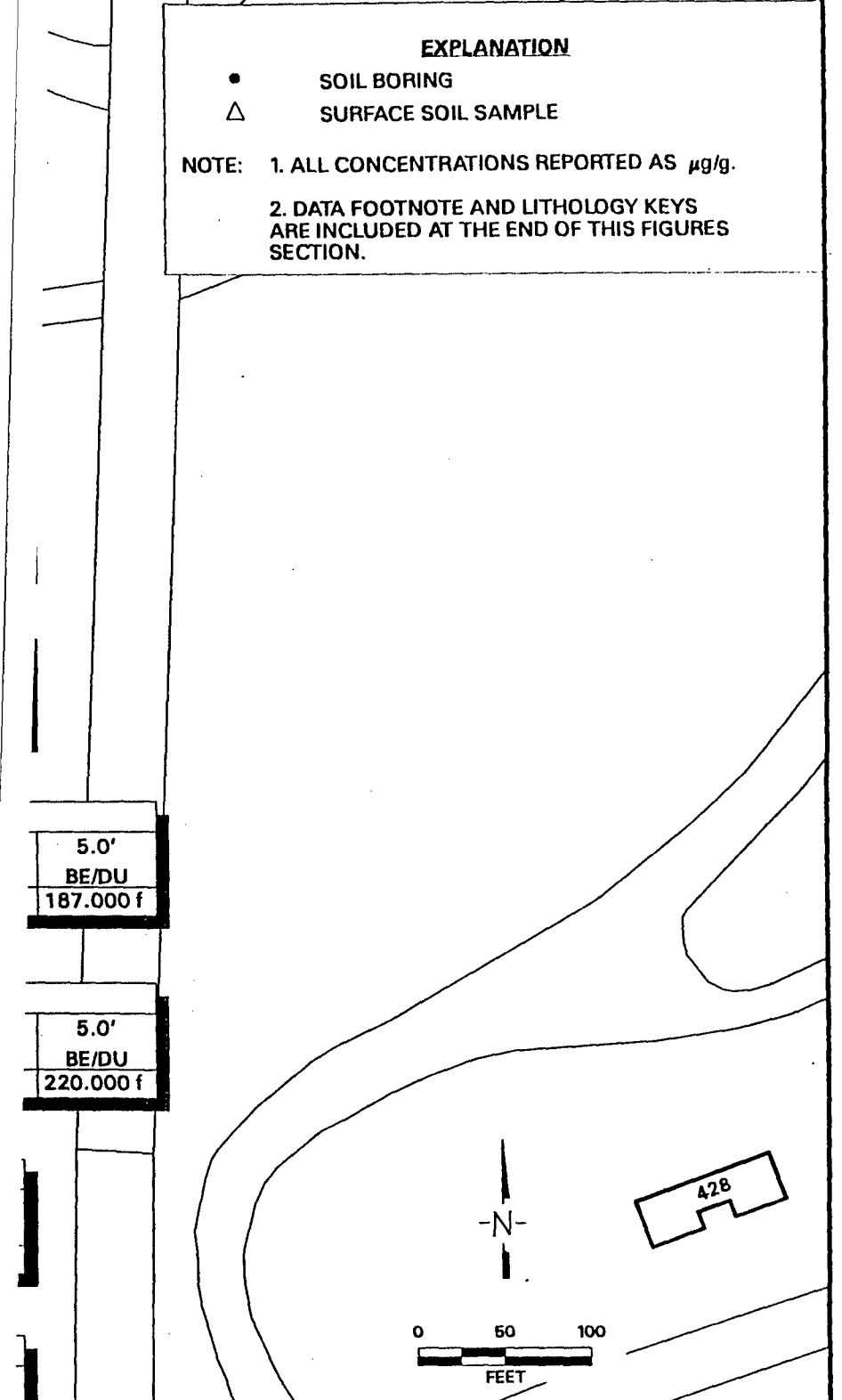
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26362

Date: January 1997 | Figure 9.2-9

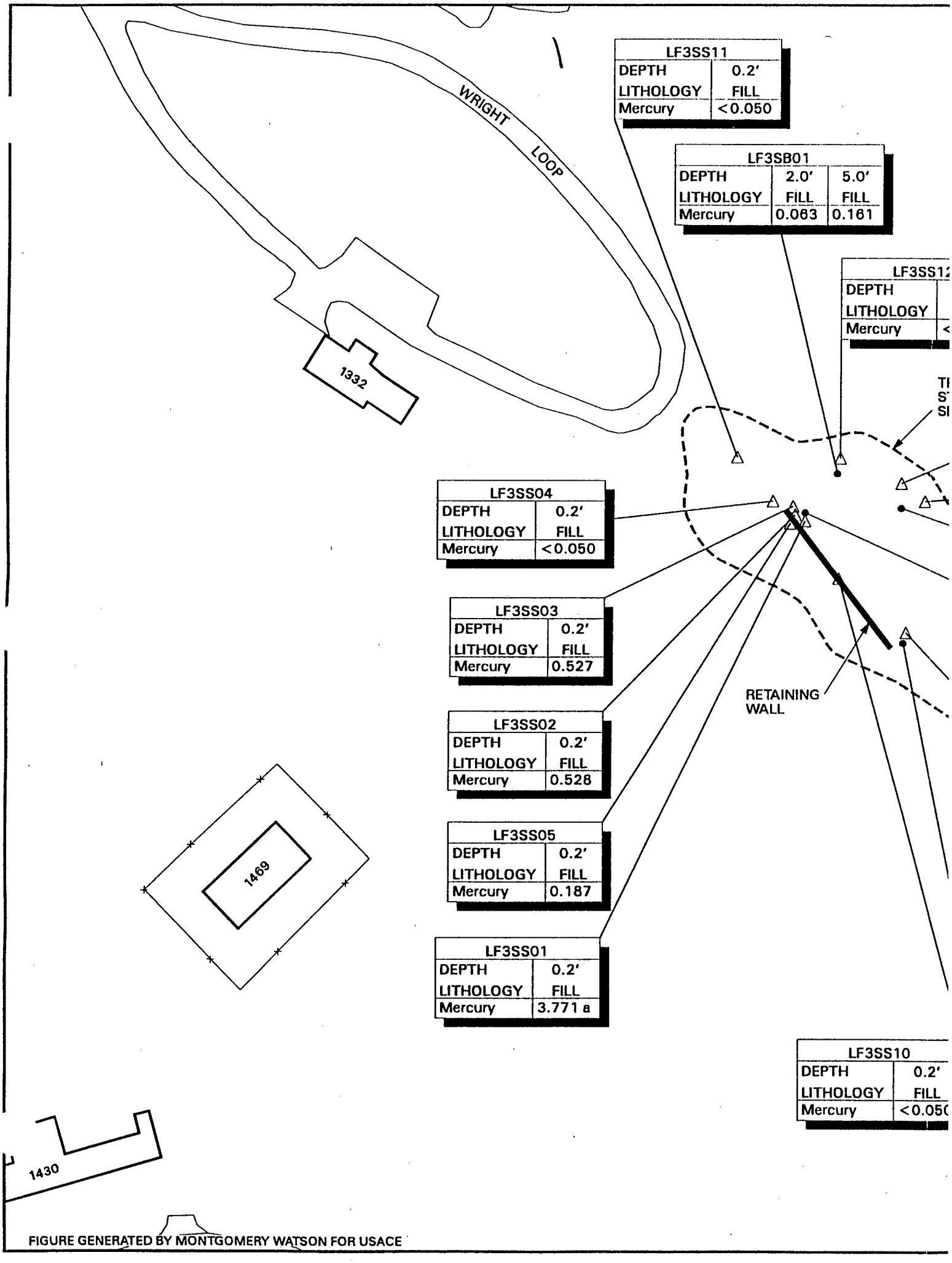
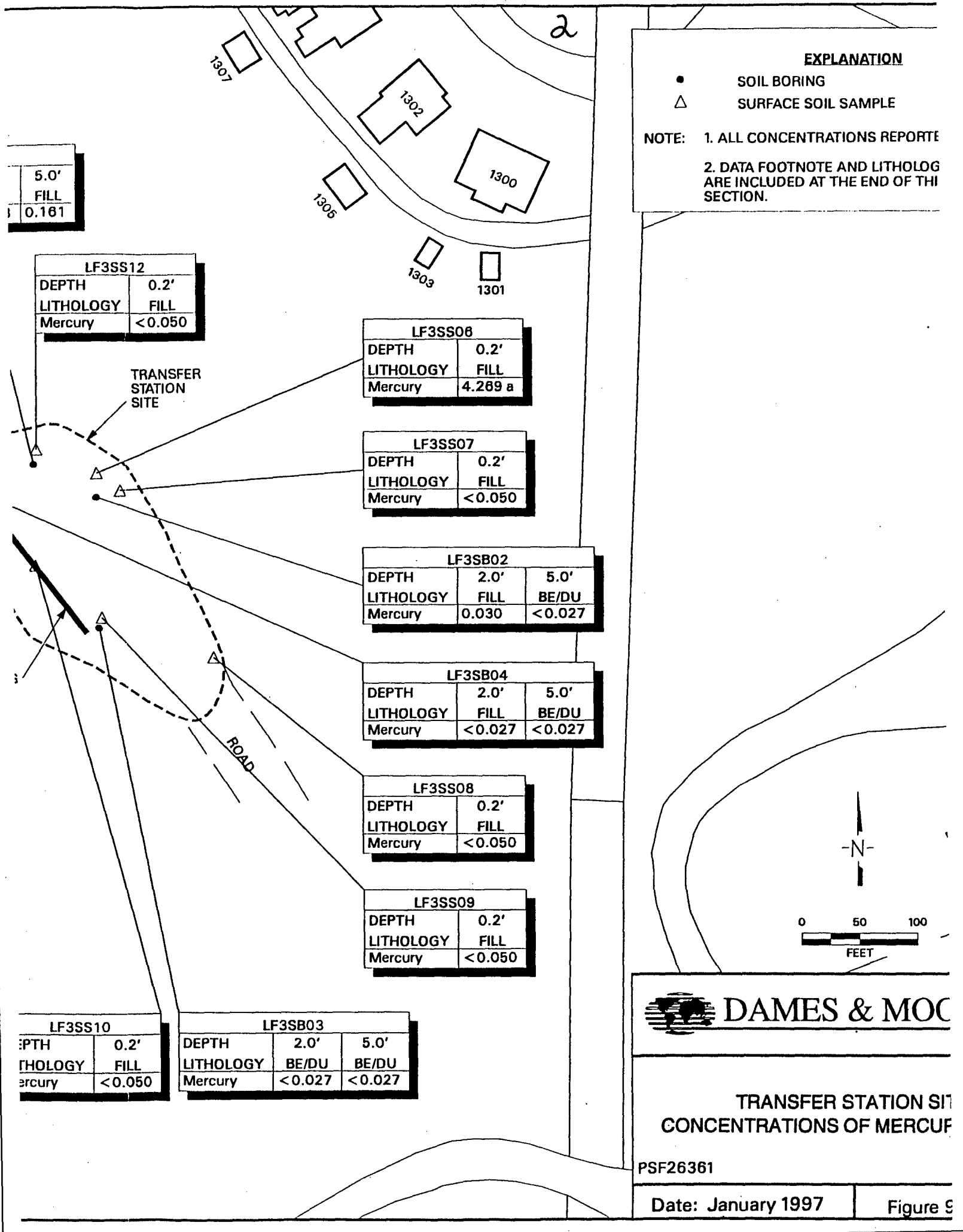


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
1307
1302
1300
1305
1303
1301
5.0'
FILL
0.161
LF3SS12
DEPTH 0.2'
LITHOLOGY FILL
Mercury <0.050
TRANSFER STATION SITE
LF3SS06
DEPTH 0.2'
LITHOLOGY FILL
Mercury 4.269 a
LF3SS07
DEPTH 0.2'
LITHOLOGY FILL
Mercury <0.050
LF3SB02
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Mercury 0.030 <0.027
LF3SB04
DEPTH 2.0' 5.0'
LITHOLOGY FILL BE/DU
Mercury <0.027 <0.027
ROAD
LF3SS08
DEPTH 0.2'
LITHOLOGY FILL
Mercury <0.050
LF3SS09
DEPTH 0.2'
LITHOLOGY FILL
Mercury <0.050
LF3SS10
:PTH 0.2'
THOLOGY FILL
ercury <0.050
LF3SB03
DEPTH 2.0' 5.0'
LITHOLOGY BE/DU BE/DU
Mercury <0.027 <0.027
-N-
0 50 100
FEET
DAMES & MOC
TRANSFER STATION SI
CONCENTRATIONS OF MERCUF
PSF26361
Date: January 1997
Figure 9

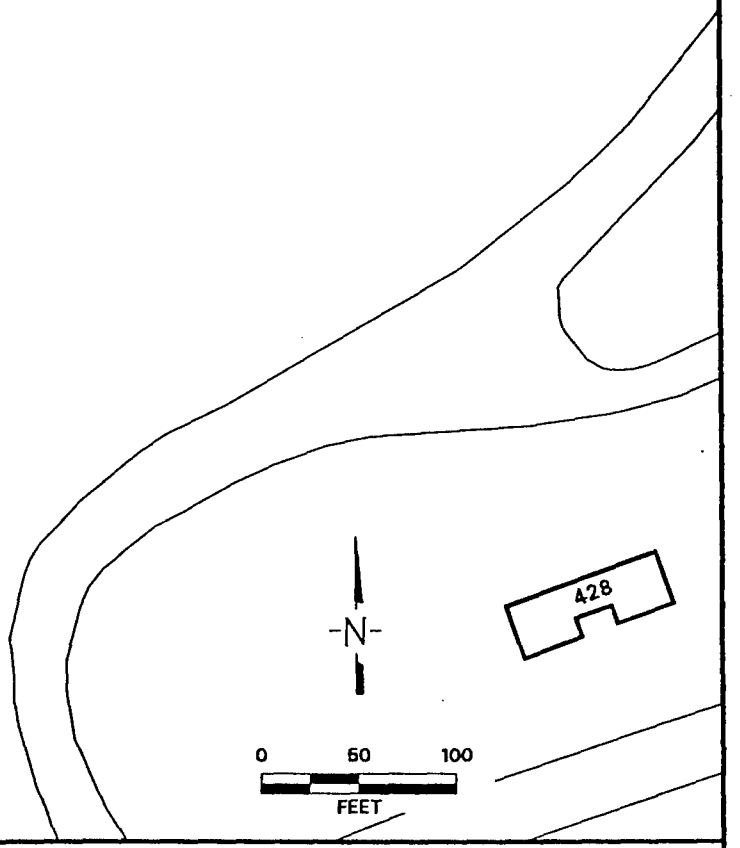
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



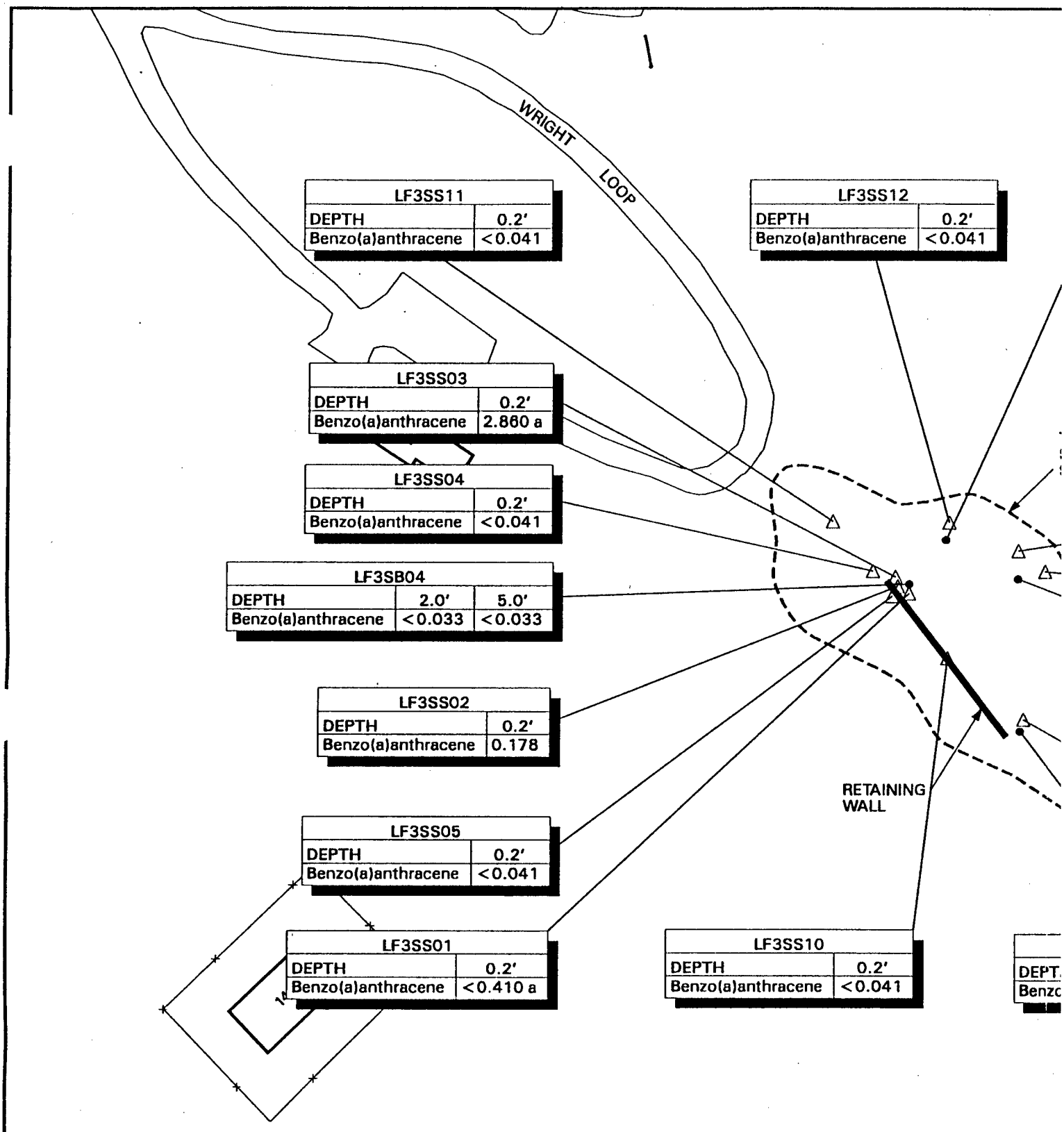
DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF MERCURY IN SOIL

PSF26361

Date: January 1997

Figure 9.2-10



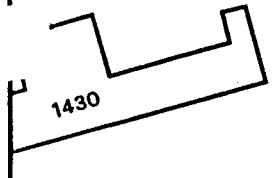
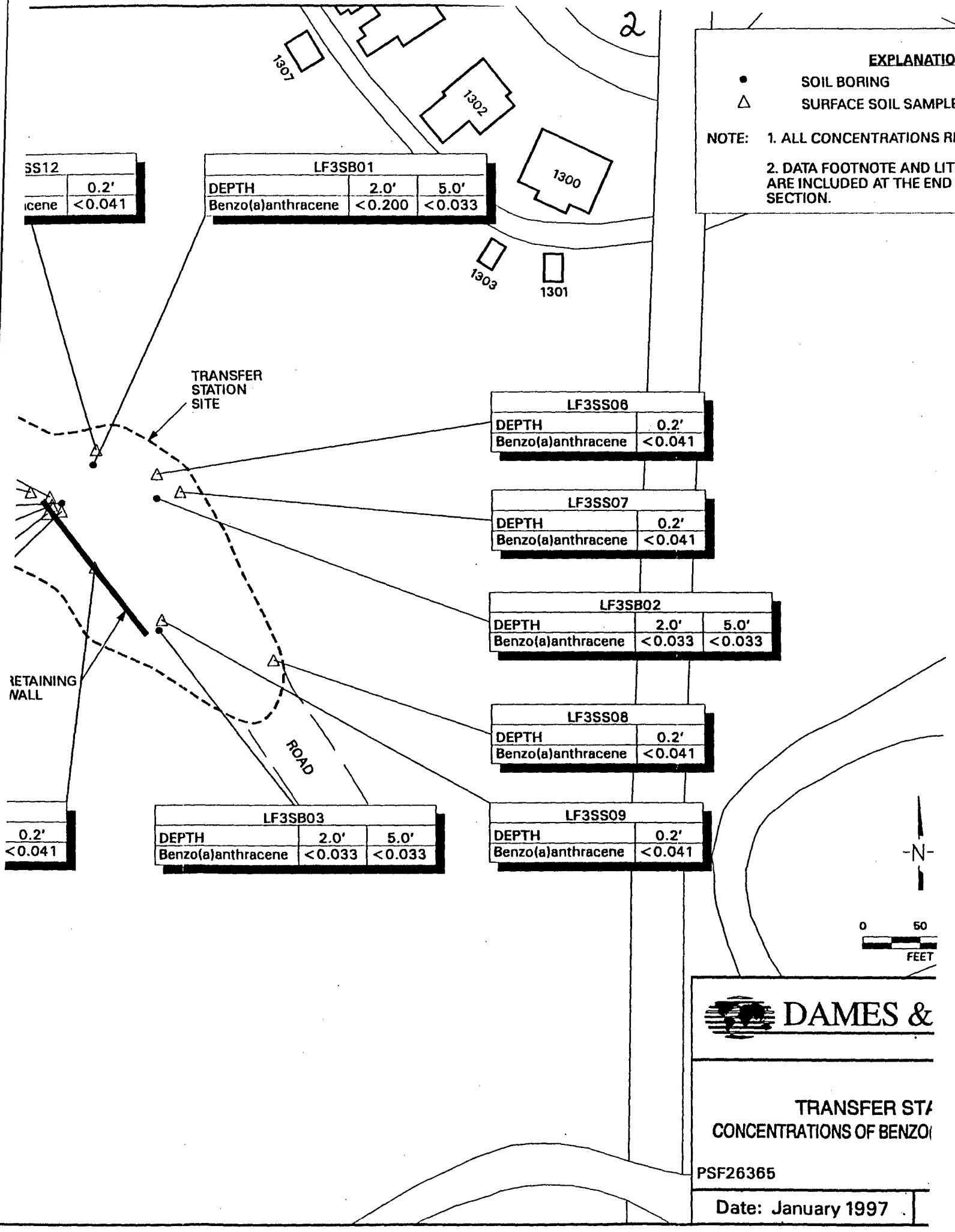


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 16:20:55 Wednesday 11x17_v3.aml, pltdfile hsc_TRANS_S_33.grn, PSF


EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END
SECTION.
1307
1302
1300
1303
1301
2
SS12
0.2'
icene <0.041
LF3SB01
DEPTH 2.0' 5.0'
Benzo(a)anthracene <0.200 <0.033
TRANSFER STATION SITE
LF3SS06
DEPTH 0.2'
Benzo(a)anthracene <0.041
LF3SS07
DEPTH 0.2'
Benzo(a)anthracene <0.041
LF3SB02
DEPTH 2.0' 5.0'
Benzo(a)anthracene <0.033 <0.033
RETAINING WALL
ROAD
LF3SS08
DEPTH 0.2'
Benzo(a)anthracene <0.041
0.2'
<0.041
LF3SB03
DEPTH 2.0' 5.0'
Benzo(a)anthracene <0.033 <0.033
LF3SS09
DEPTH 0.2'
Benzo(a)anthracene <0.041
-N-
0 50
FEET
DAMES &
TRANSFER STA
CONCENTRATIONS OF BENZO
PSF26365
Date: January 1997

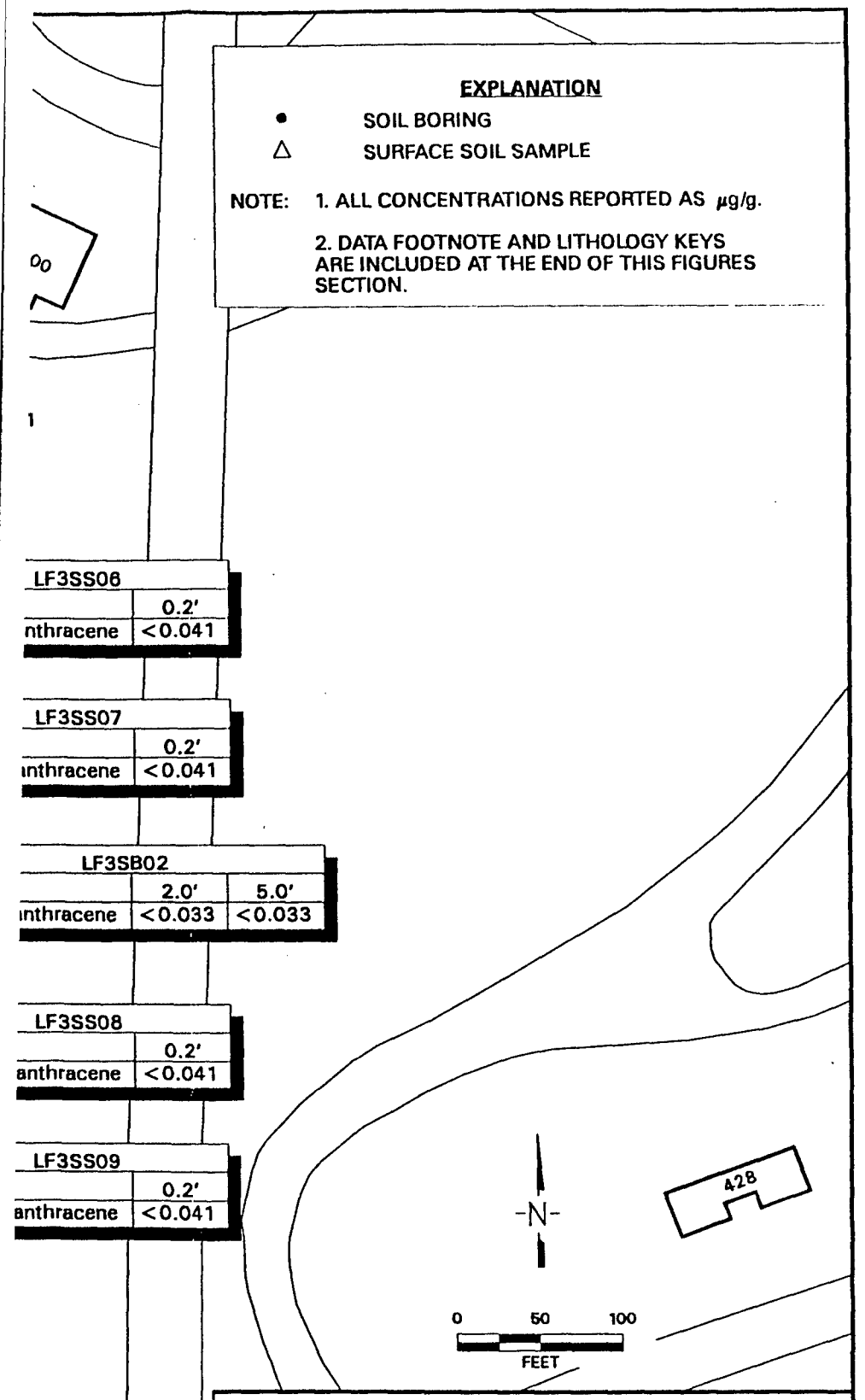
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF BENZO(A)ANTHRACENE IN SOIL

PSF26365

Date: January 1997

Figure 9.2-11

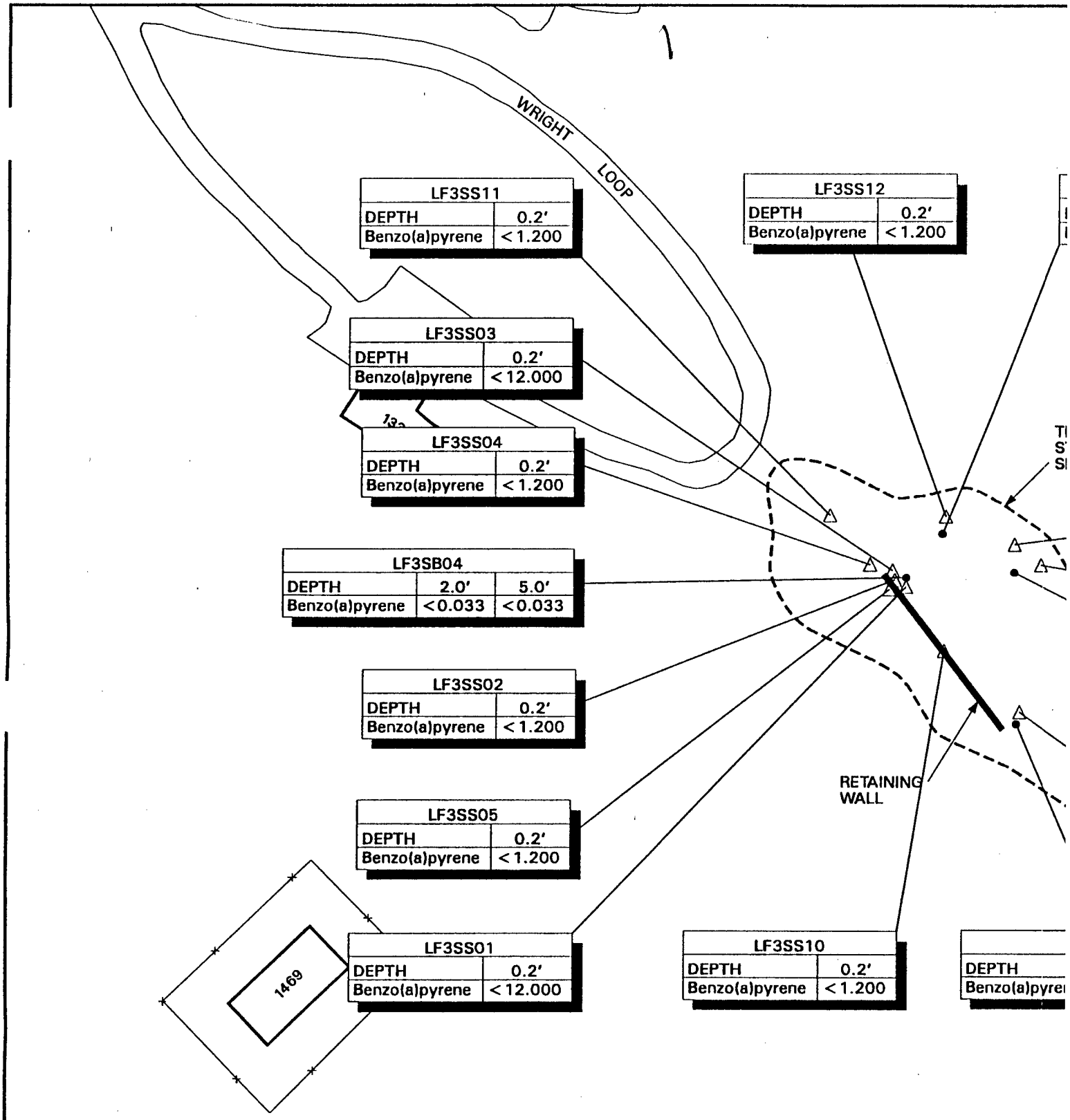
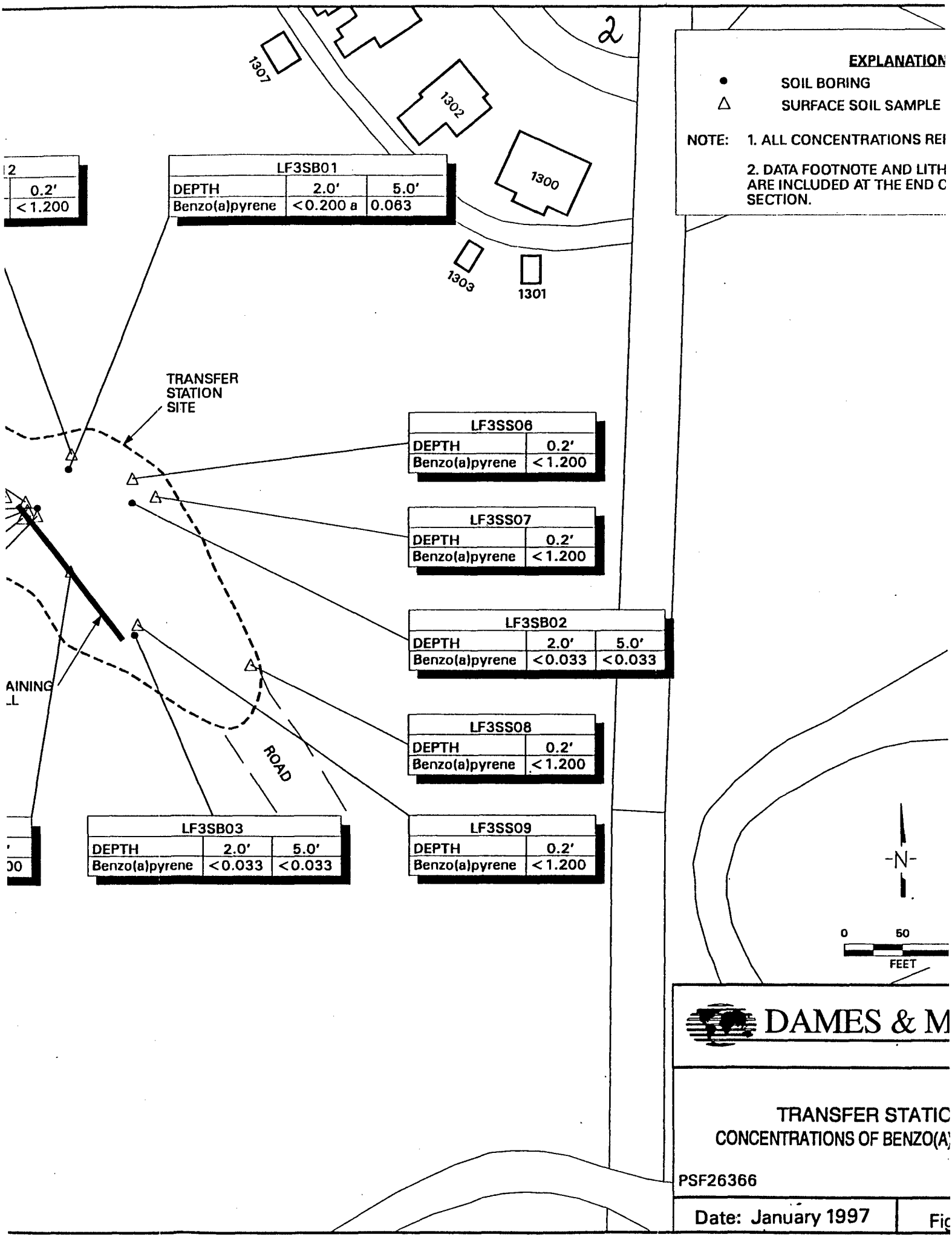


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



	0.2'
2	< 1.200

LF3SB01		
DEPTH	2.0'	5.0'
Benzo(a)pyrene	< 0.200 a	0.063

LF3SS06	
DEPTH	0.2'
Benzo(a)pyrene	< 1.200

LF3SS07	
DEPTH	0.2'
Benzo(a)pyrene	< 1.200

LF3SB02		
DEPTH	2.0'	5.0'
Benzo(a)pyrene	< 0.033	< 0.033

LF3SS08	
DEPTH	0.2'
Benzo(a)pyrene	< 1.200

LF3SB03		
DEPTH	2.0'	5.0'
Benzo(a)pyrene	< 0.033	< 0.033

LF3SS09	
DEPTH	0.2'
Benzo(a)pyrene	< 1.200

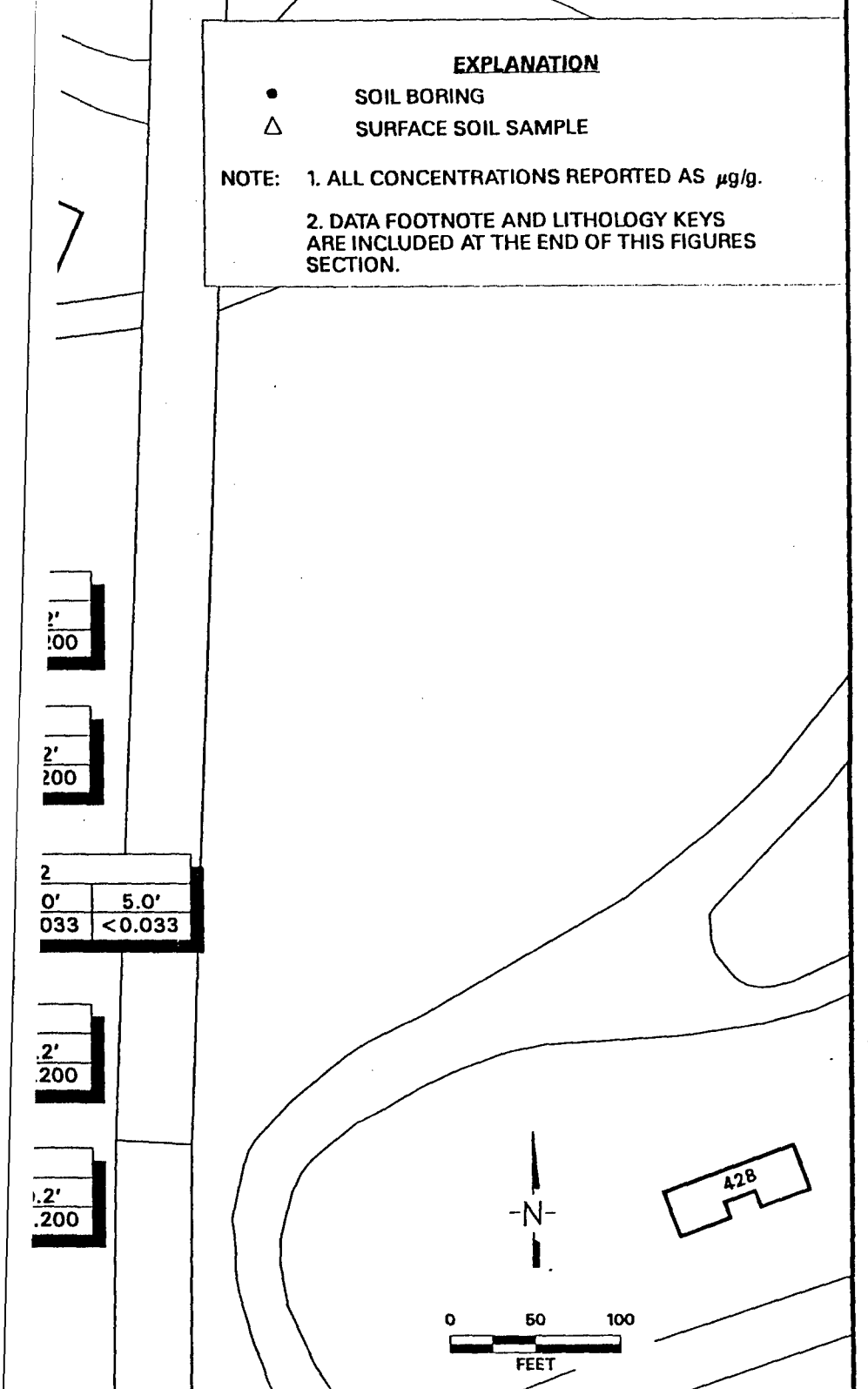
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

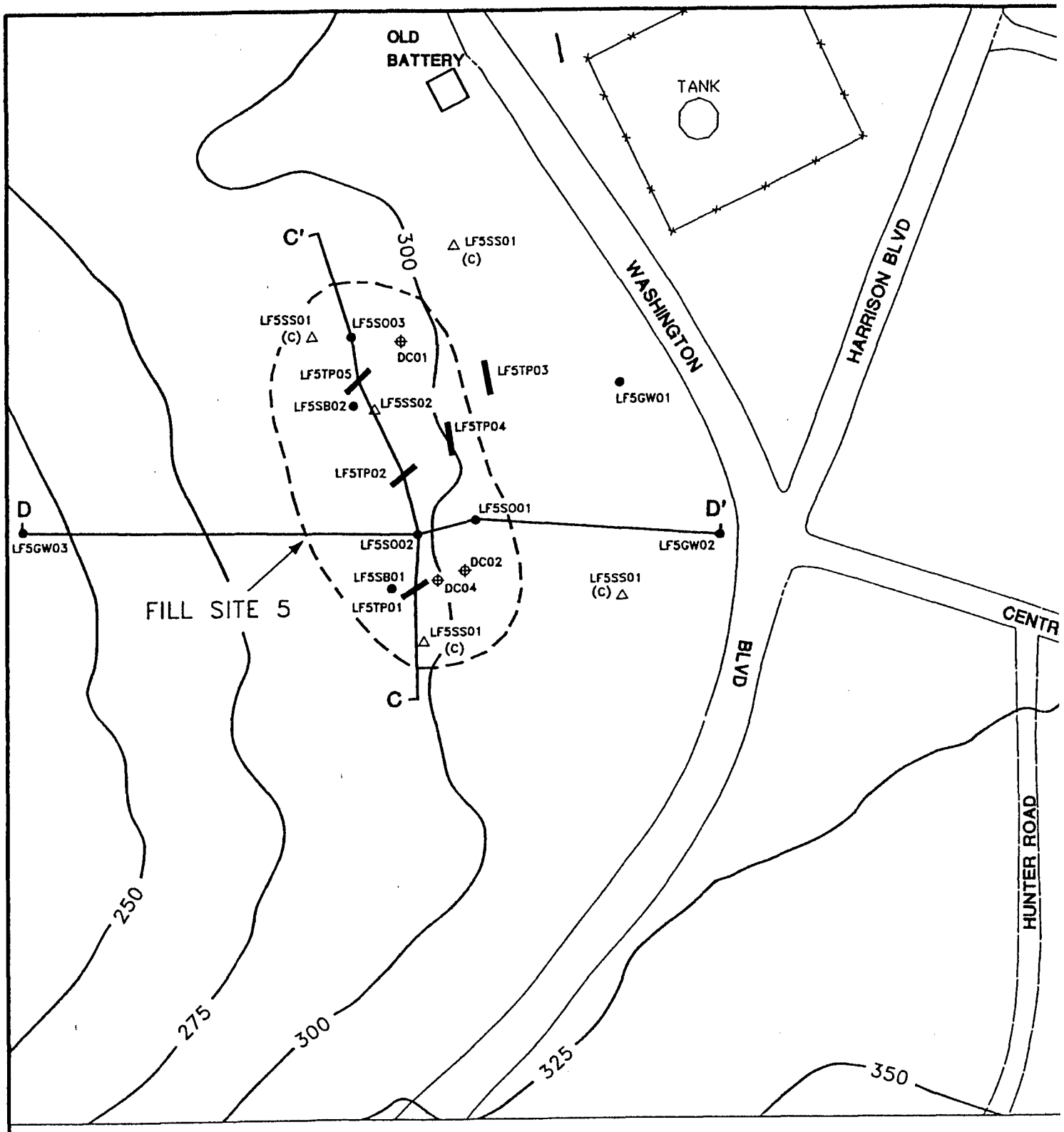


DAMES & MOORE

TRANSFER STATION SITE
CONCENTRATIONS OF BENZO(A)PYRENE IN SOIL

PSF26366

Date: January 1997 | Figure 9.2-12

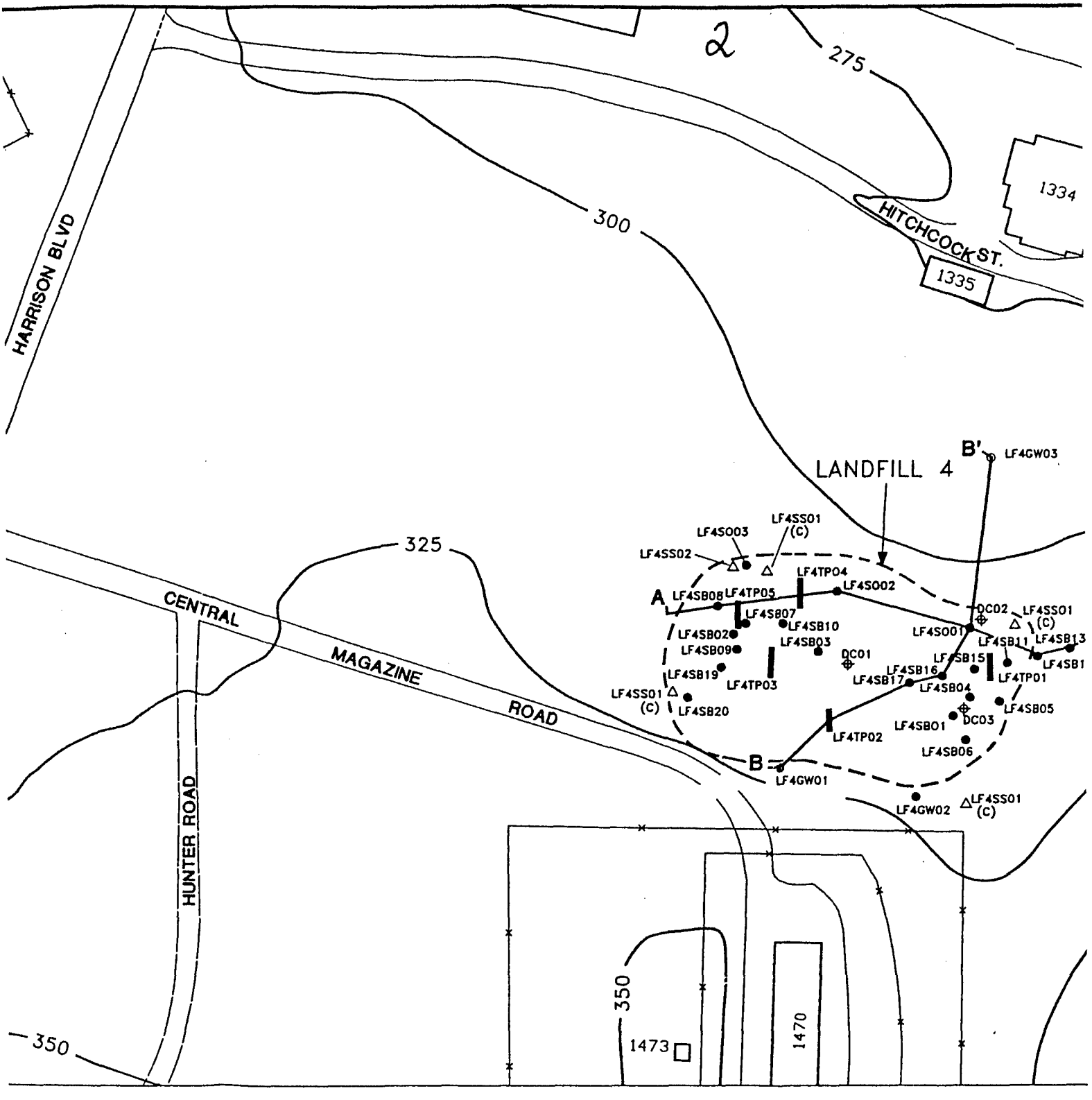


EXPLANATION

- △ SURFACE SOIL SAMPLE (C) INDICATES COMPOSITE
- ▬ TEST PIT
- ● SOIL BORING
- ○ MONITORING WELL
- ⌖ RESISTIVITY MEASUREMENT
- B — B' CROSS SECTION LOCATION
- —350— TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER



-N-

0 50 100

FEET

R

FEET

LOW WATER

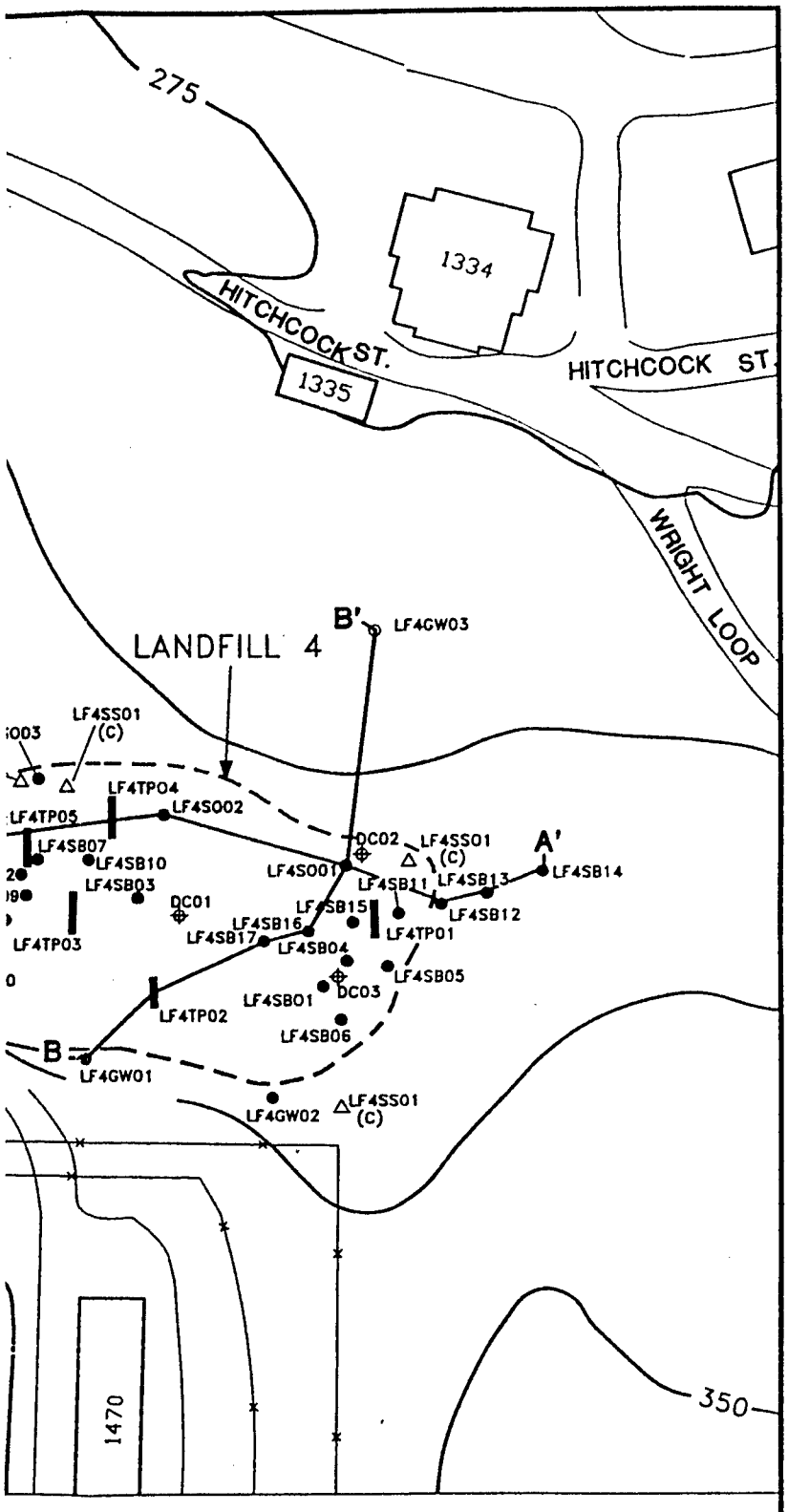
DAMES &

LANDFILL 4 & FI

SAMPLE & CROSS SEC

PSF25005/DV1

Date: January 1997 | Fig



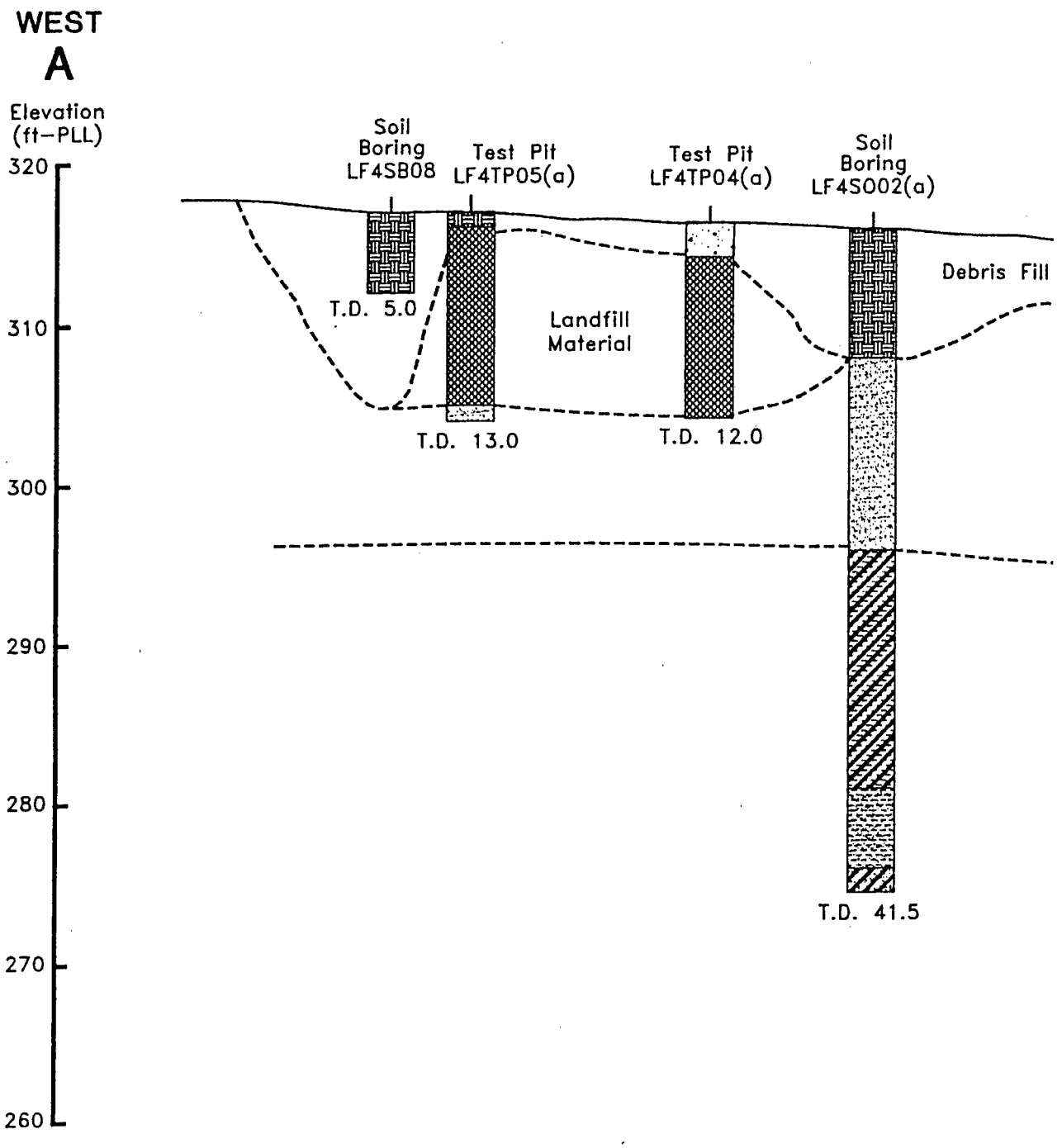
DAMES & MOORE

LANDFILL 4 & FILL SITE 5
SAMPLE & CROSS SECTION LOCATIONS

100

PSF25005/DV1

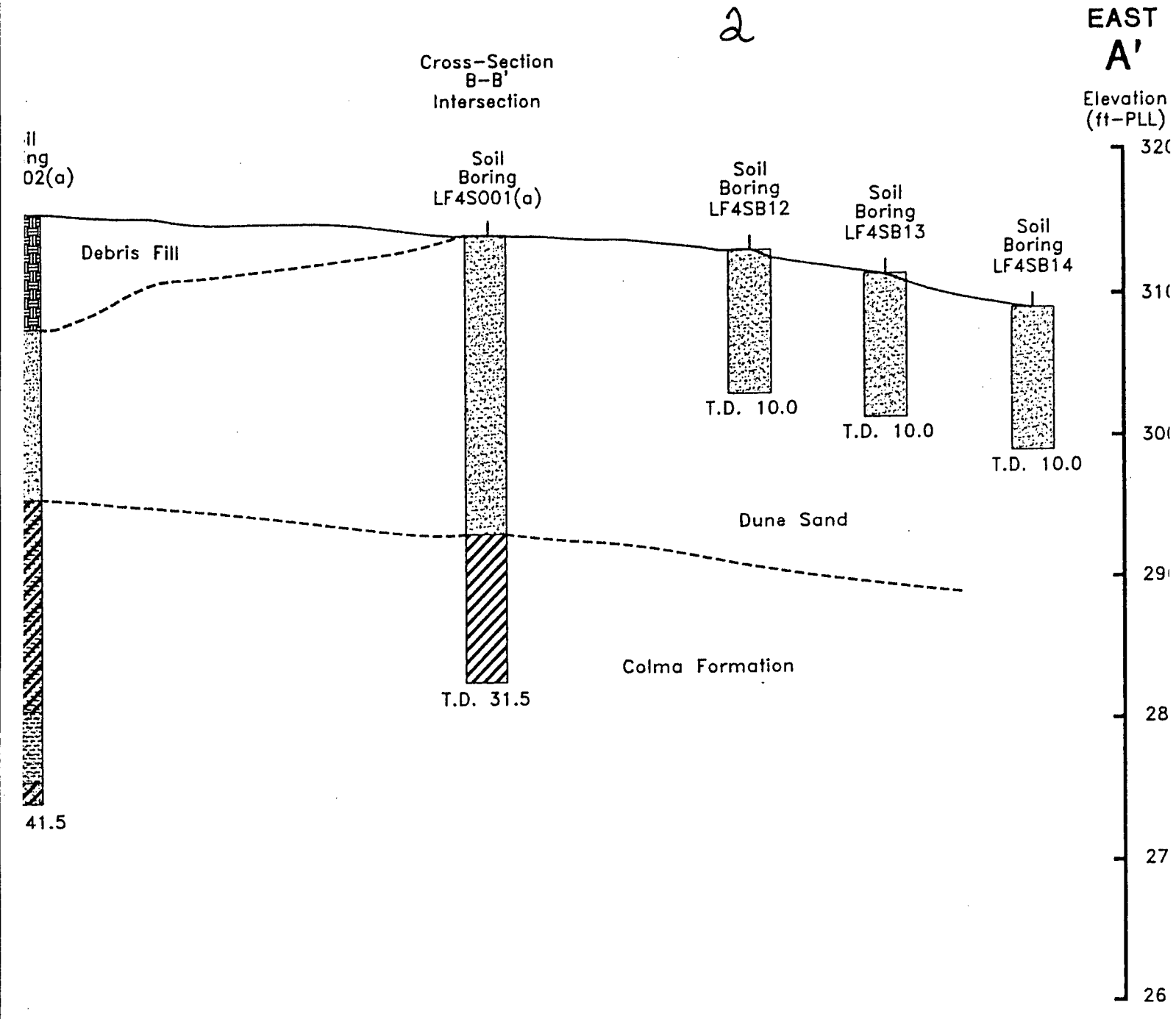
Date: January 1997 | Figure 9.3-1



EXPLANATION

	Artificial Fill	————	Contact, dashed where inferred
	Debris Fill	T.D.	Total Depth (ft bgs)
	Landfill Material	ft–PLL	feet–Presidio Lower Low Water
	Clay	(a)	Approximate Location & Elevatio
	Silt		
	Sand		

2

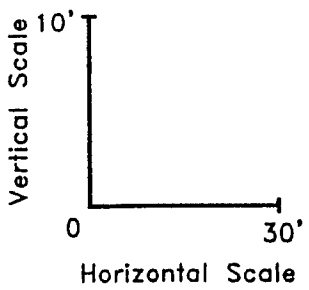


where inferred

bgs)

ower Low Water

cation & Elevation

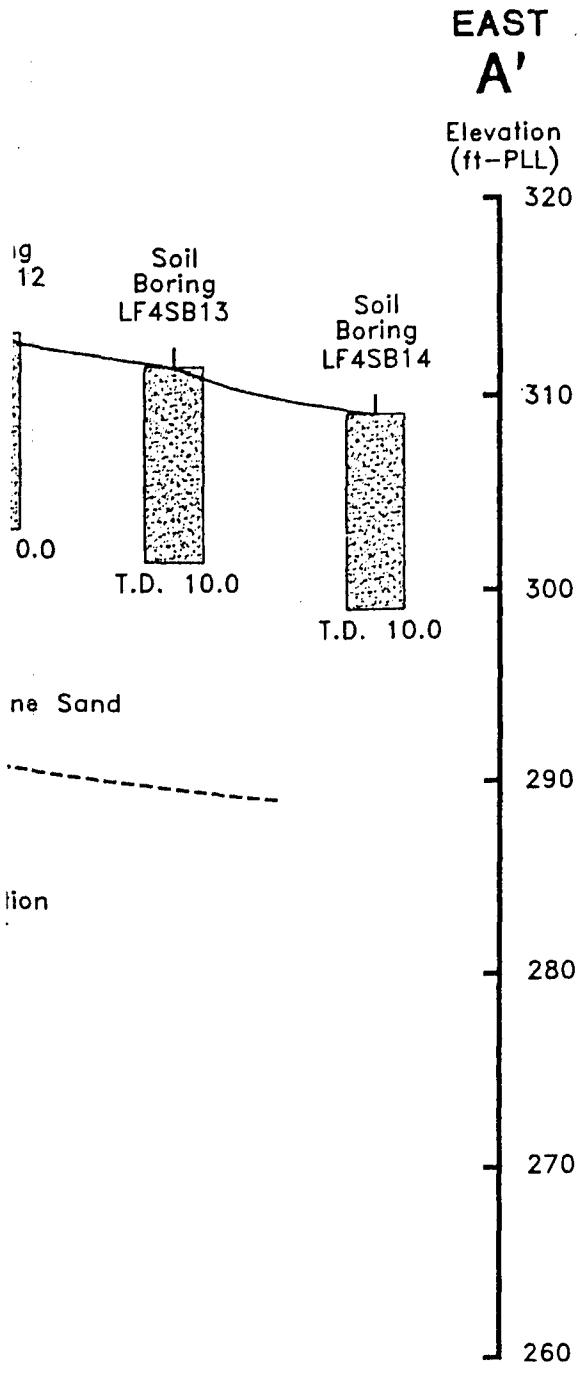


DAMES & MOO

LANDFILL 4
CROSS SECTION A-A'

PSF25081/DV1

Date: January 1997 | Figure 9.3

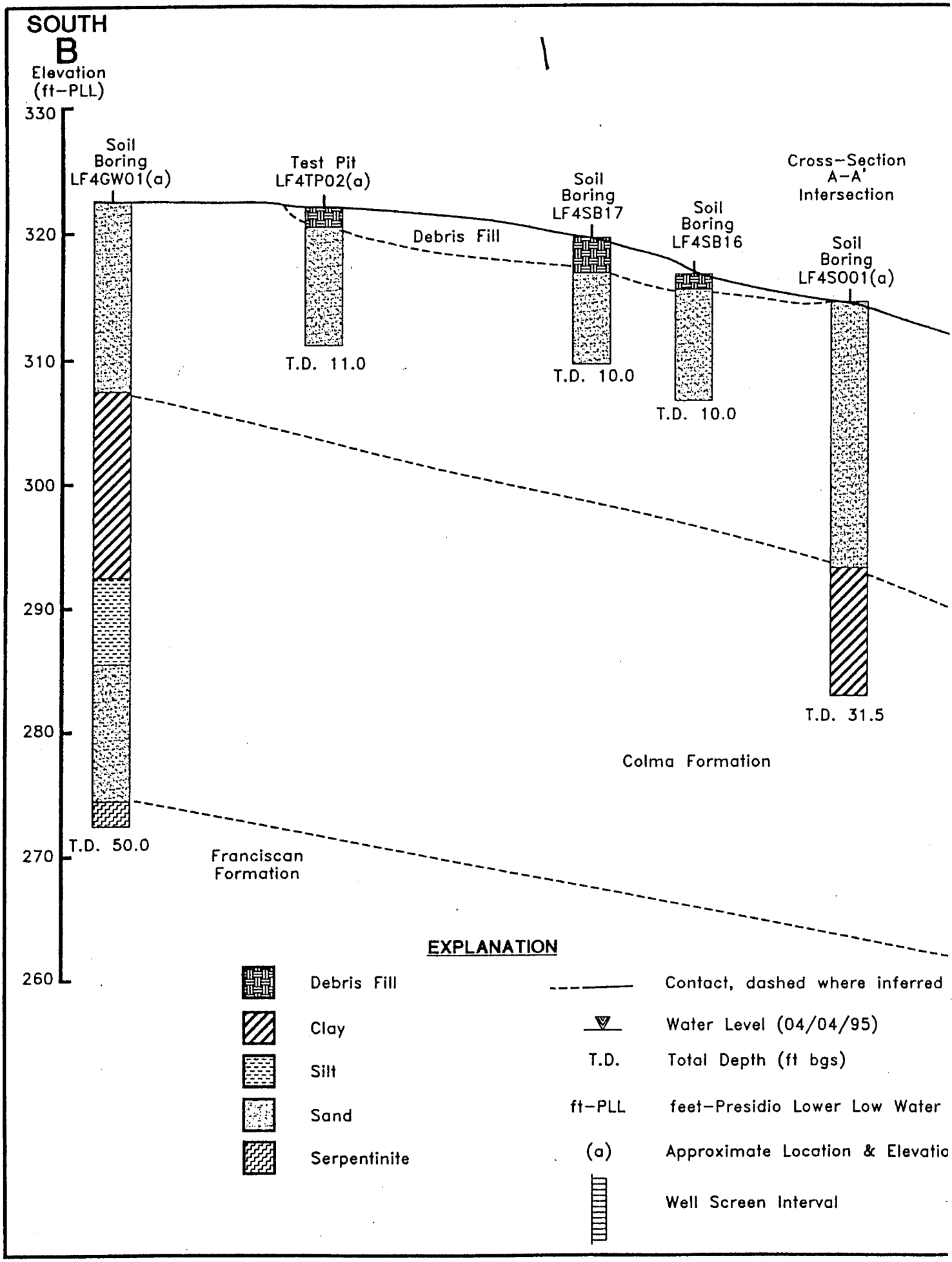


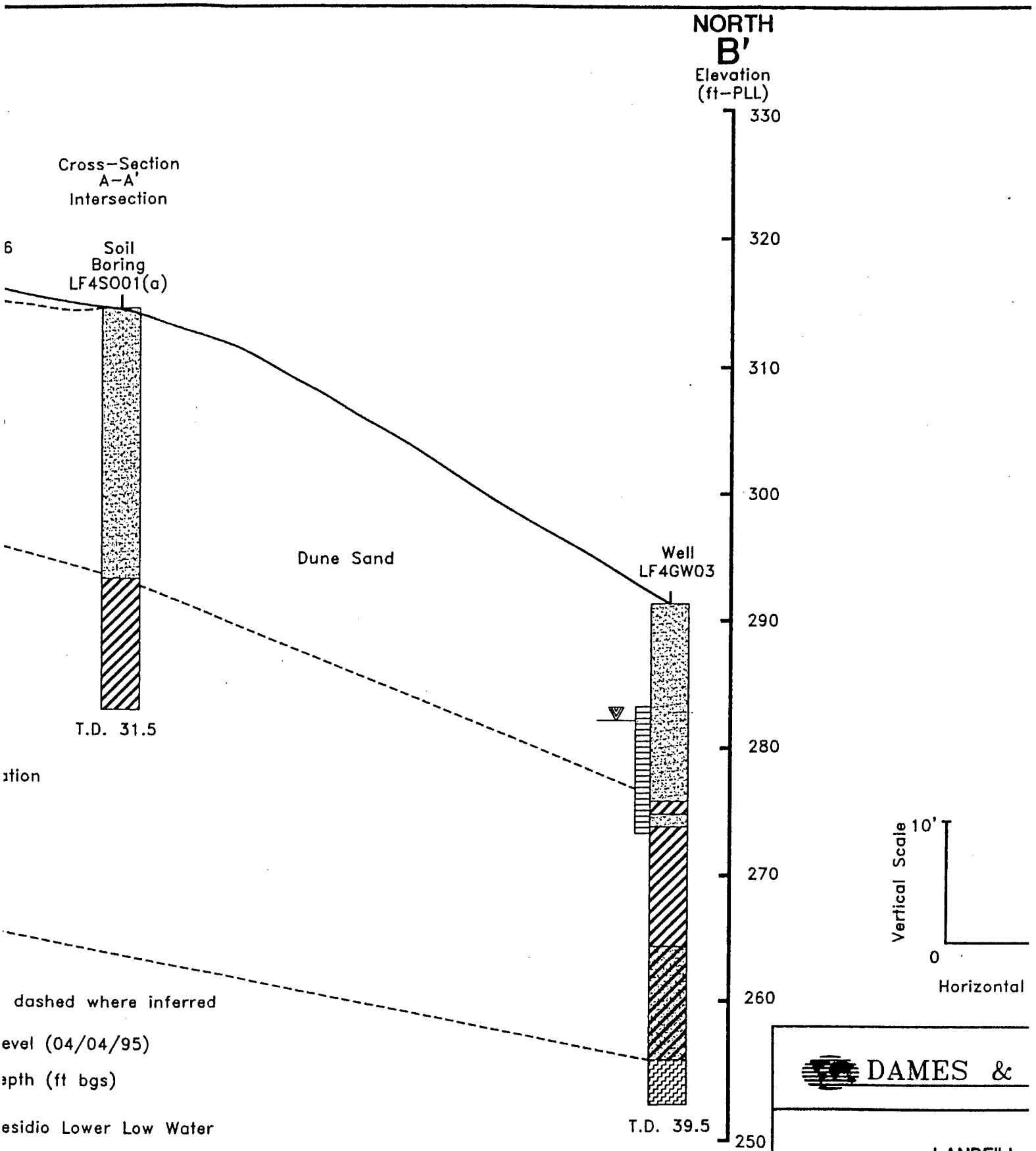
DAMES & MOORE

LANDFILL 4
CROSS SECTION A-A'

PSF25081/DV1

Date: January 1997 | Figure 9.3-2


SOUTH
B
Elevation
(ft-PLL)
330
320
310
300
290
280
270
260
Soil Boring LF4GW01(a)
Test Pit LF4TP02(a)
Soil Boring LF4SB17
Soil Boring LF4SB16
Cross-Section A-A' Intersection
Soil Boring LF4SO01(a)
Debris Fill
T.D. 11.0
T.D. 10.0
T.D. 10.0
T.D. 31.5
T.D. 50.0
Colma Formation
Franciscan Formation
EXPLANATION
Debris Fill
Clay
Silt
Sand
Serpentinite
Contact, dashed where inferred
Water Level (04/04/95)
T.D. Total Depth (ft bgs)
ft-PLL feet-Presidio Lower Low Water
(a) Approximate Location & Elevatio
Well Screen Interval



ation

dashed where inferred

evel (04/04/95)

epth (ft bgs)

esidio Lower Low Water

nate Location & Elevation

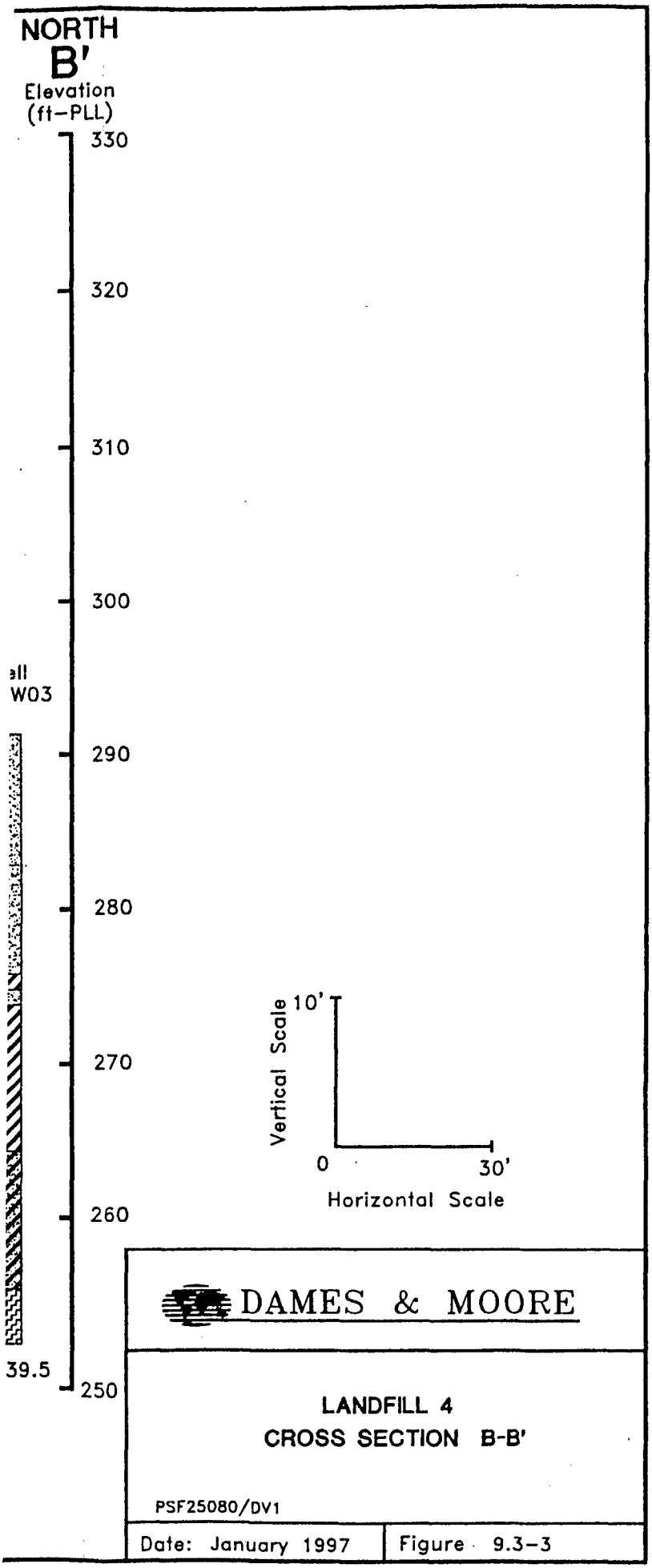
een Interval

DAMES &

LANDFILL
CROSS SECTIO

PSF25080/DV1

Date: January 1997 | Figu

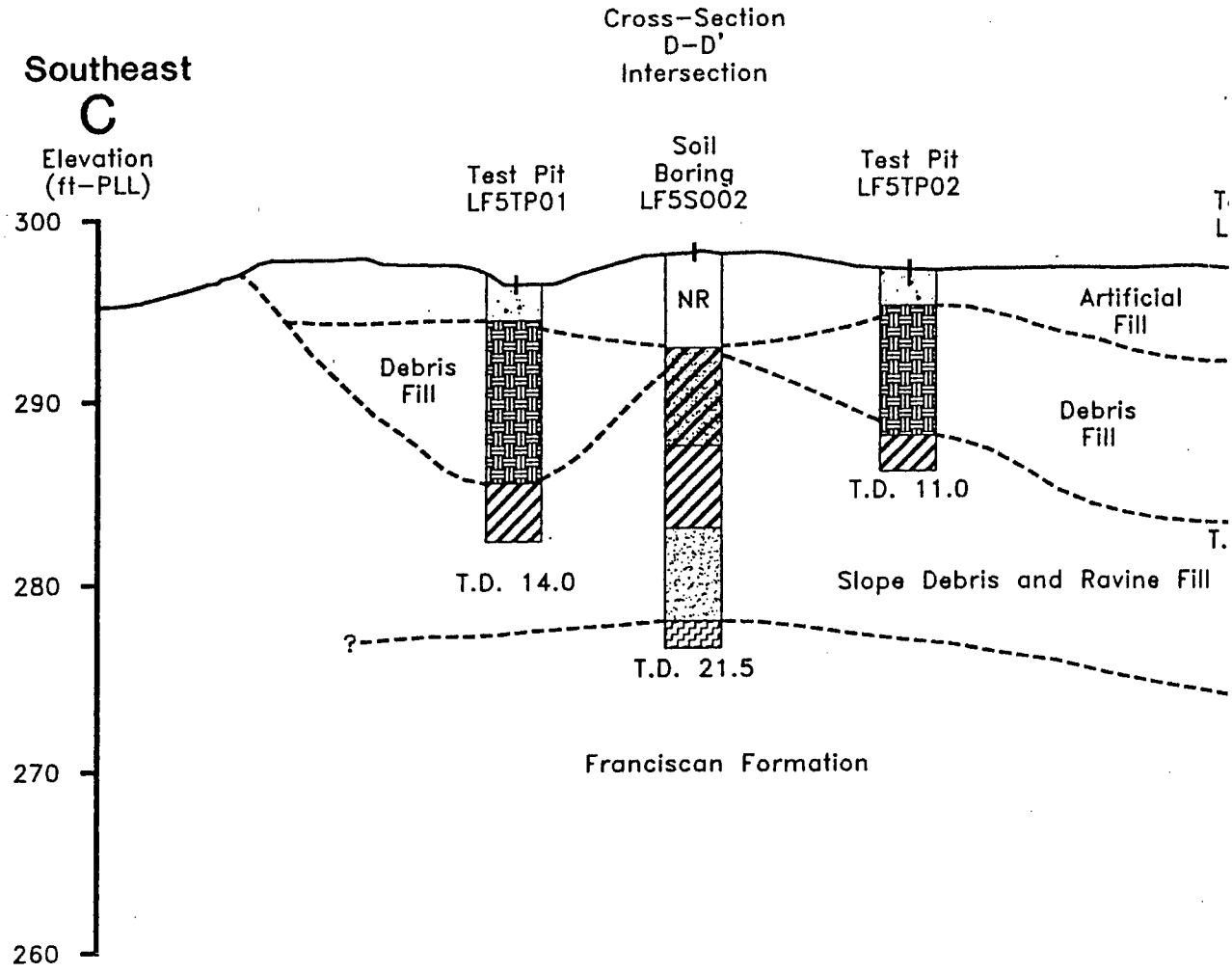


DAMES & MOORE

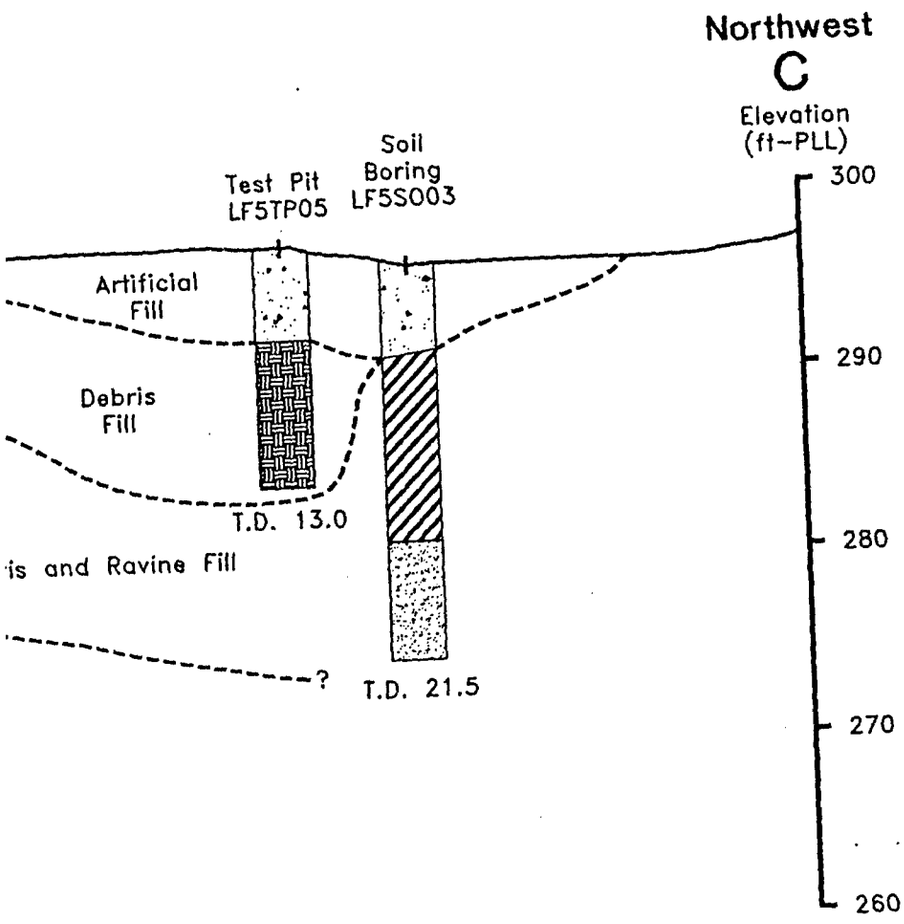
LANDFILL 4
CROSS SECTION B-B'

PSF25080/DV1

Date: January 1997 | Figure 9.3-3

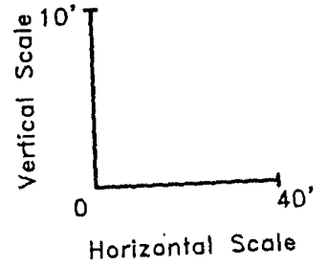

Cross-Section
D-D'
Intersection
Southeast
C
Elevation
(ft-PLL)
300
290
280
270
260
Test Pit
LF5TP01
Soil
Boring
LF5SO02
Test Pit
LF5TP02
NR
Artificial
Fill
Debris
Fill
Debris
Fill
T.D. 11.0
T.D. 14.0
Slope Debris and Ravine Fill
?
T.D. 21.5
Franciscan Formation

2



EXPLANATION

- Artificial Fill
- Debris Fill
- Clay
- Sand
- Serpentinite
- NR — Lithology not record
- Contact, dashed wl inferred
- T.D. — Total Depth (ft bgs)
- ft-PLL — feet-Presidio Lower
- NOTE: Locations & Elevation Approximate



DAMES &

FILL SITE 5
CROSS SECTION

PSF25077/DV1

Date: January 1997 | Figur

EXPLANATION

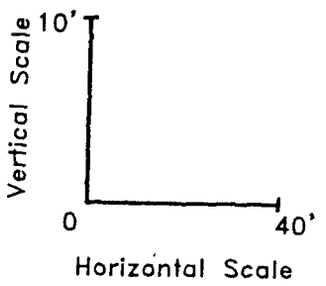
- Artificial Fill
- Debris Fill
- Clay
- Sand
- Serpentinite
- NR — Lithology not recorded

——— Contact, dashed where inferred

T.D. Total Depth (ft bgs)

ft–PLL feet–Presidio Lower Low Water

NOTE: Locations & Elevations are Approximate

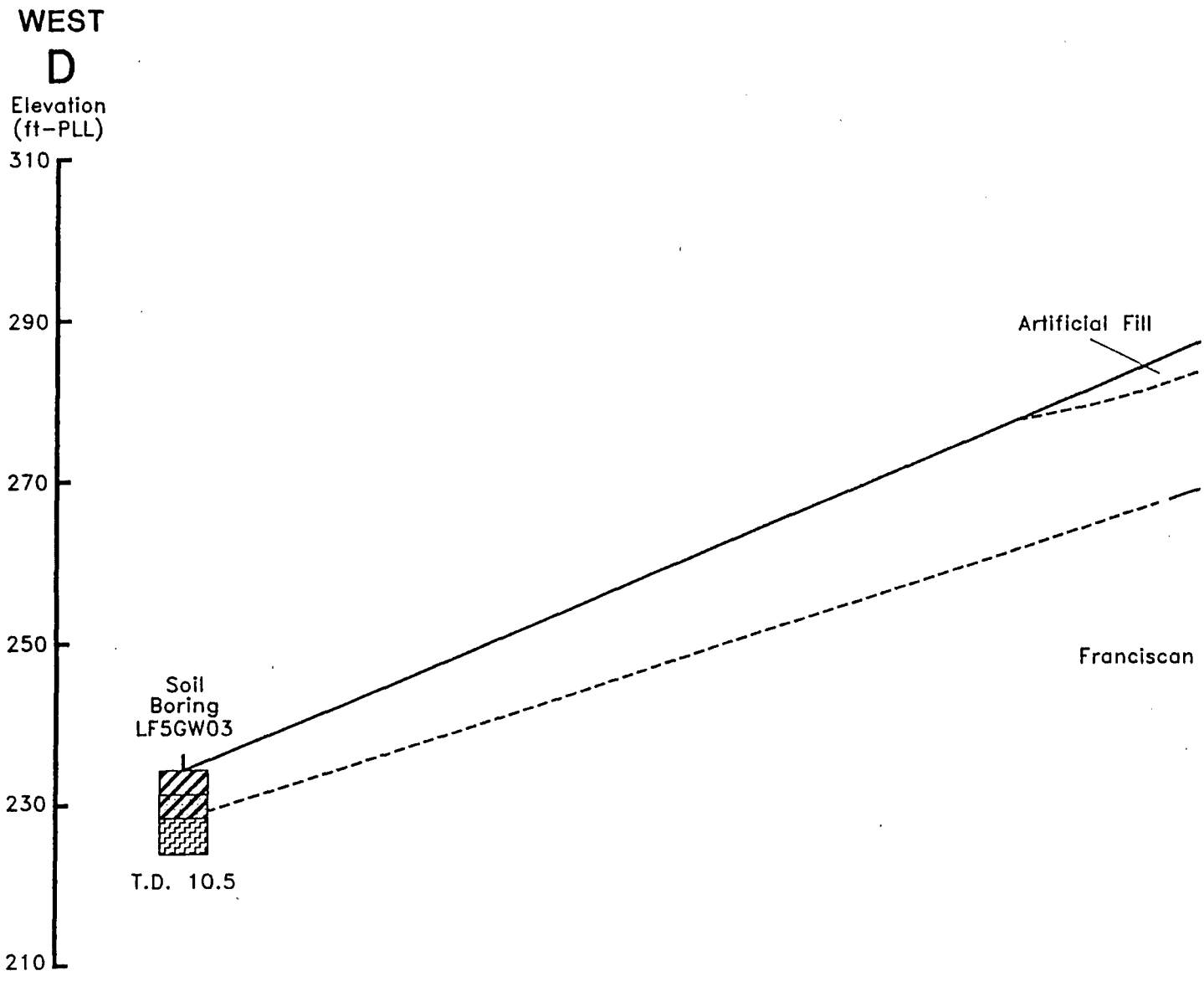


DAMES & MOORE

FILL SITE 5
CROSS SECTION C-C'

PSF25077/DV1

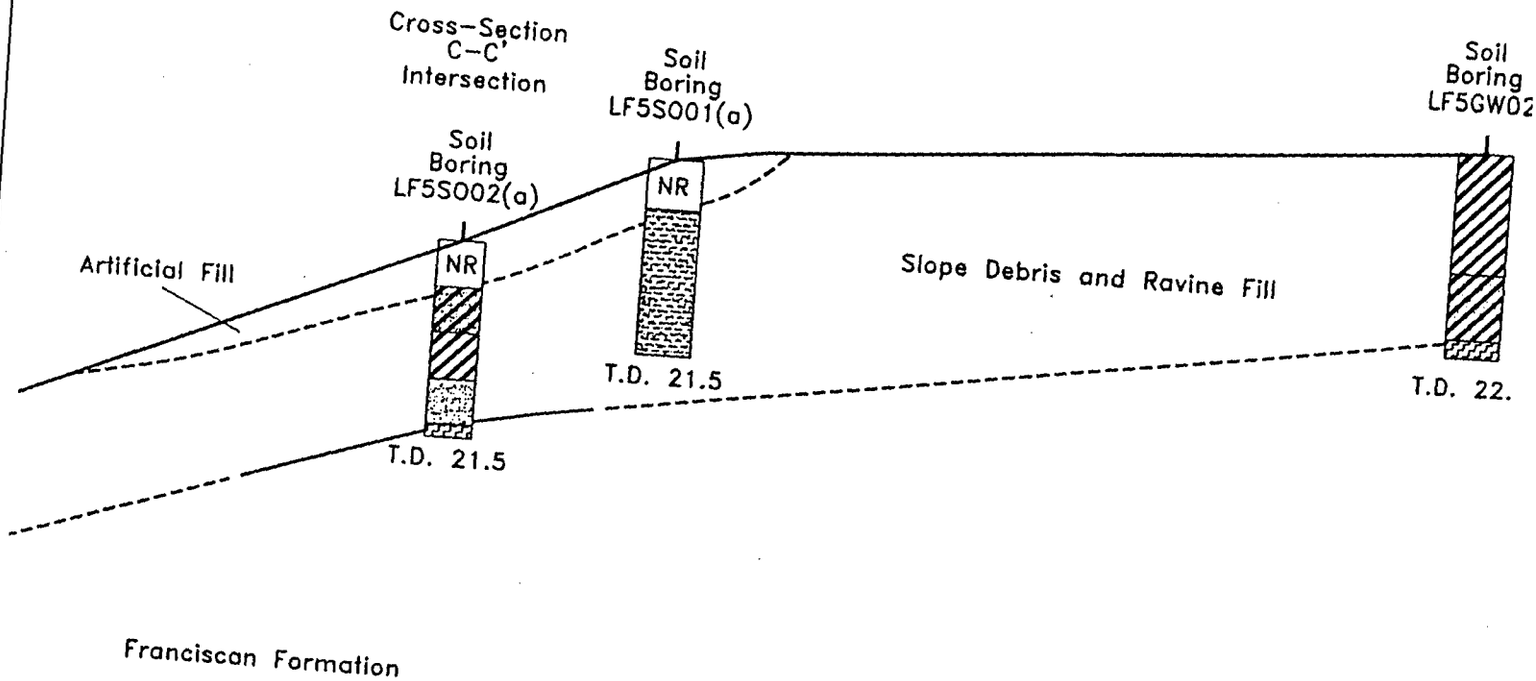
Date: January 1997 | Figure 9.3–4



EXPLANATION

Clay	Contact, dashed where inferred
Silt	T.D. Total Depth (ft bgs)
Sand	ft-PLL feet-Presidio Lower Low Water
Gravel	(a) Approximate Location and Elevat
Serpentinite	
NR Lithology not recorded	

2

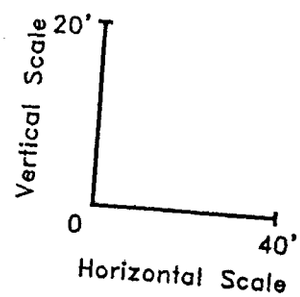


hed where inferred

(ft bgs)

ɔ Lower Low Water

Location and Elevation

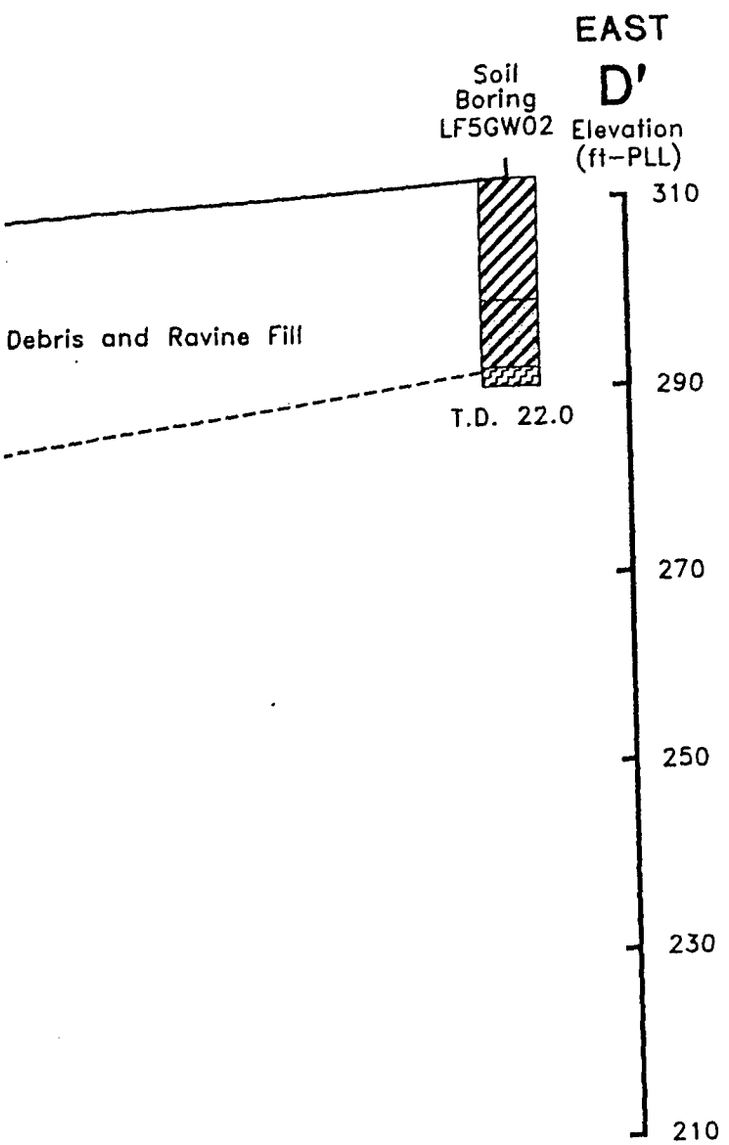


DAMES & MC

FILL SITE 5
CROSS SECTION D

PSF25076/DV1

Date: January 1997 | Figure

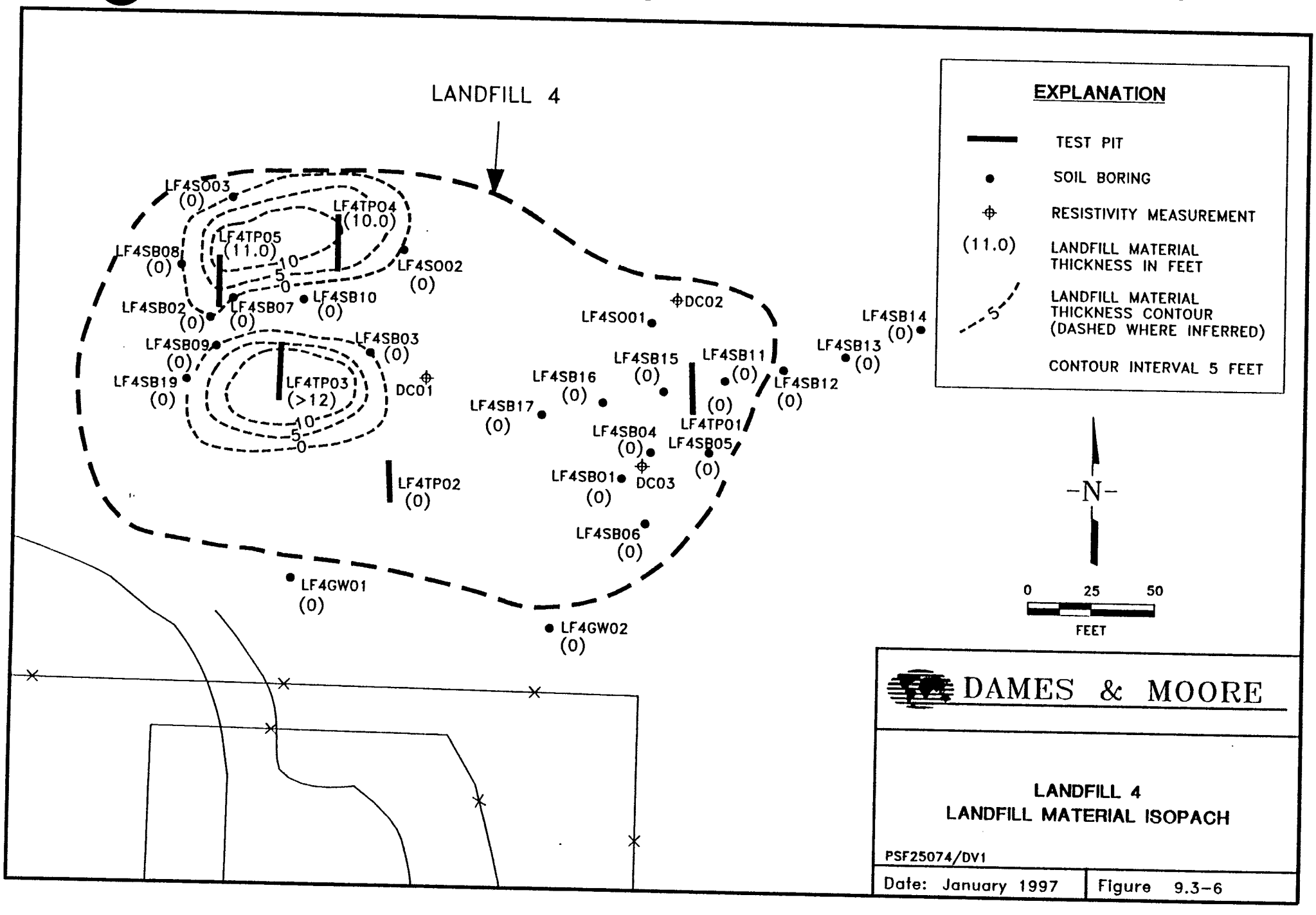


DAMES & MOORE

FILL SITE 5
CROSS SECTION D-D'

PSF25076/DV1

Date: January 1997 | Figure 9.3-5

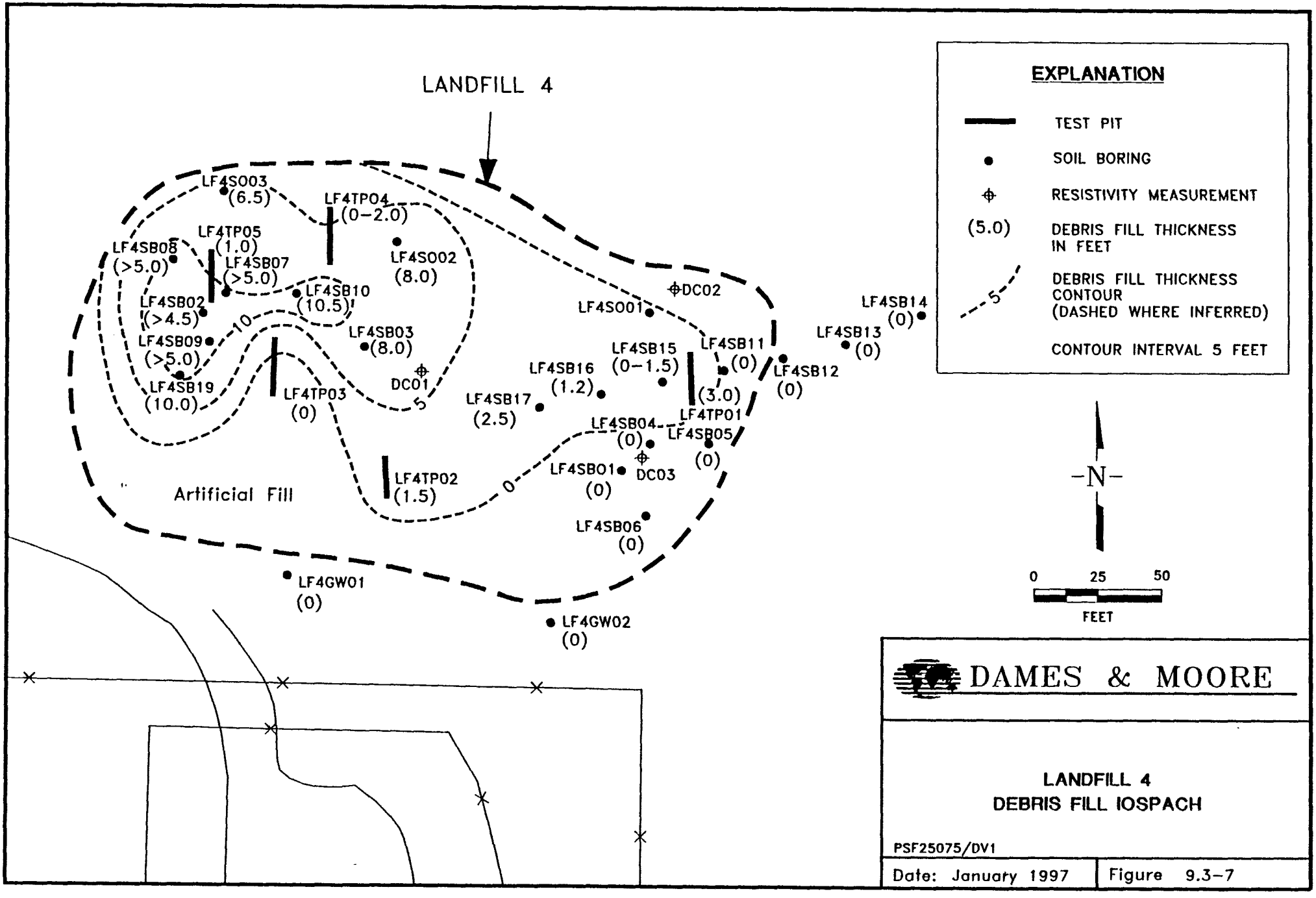


DAMES & MOORE

LANDFILL 4
LANDFILL MATERIAL ISOPACH

PSF25074/DV1

Date: January 1997 | Figure 9.3-6

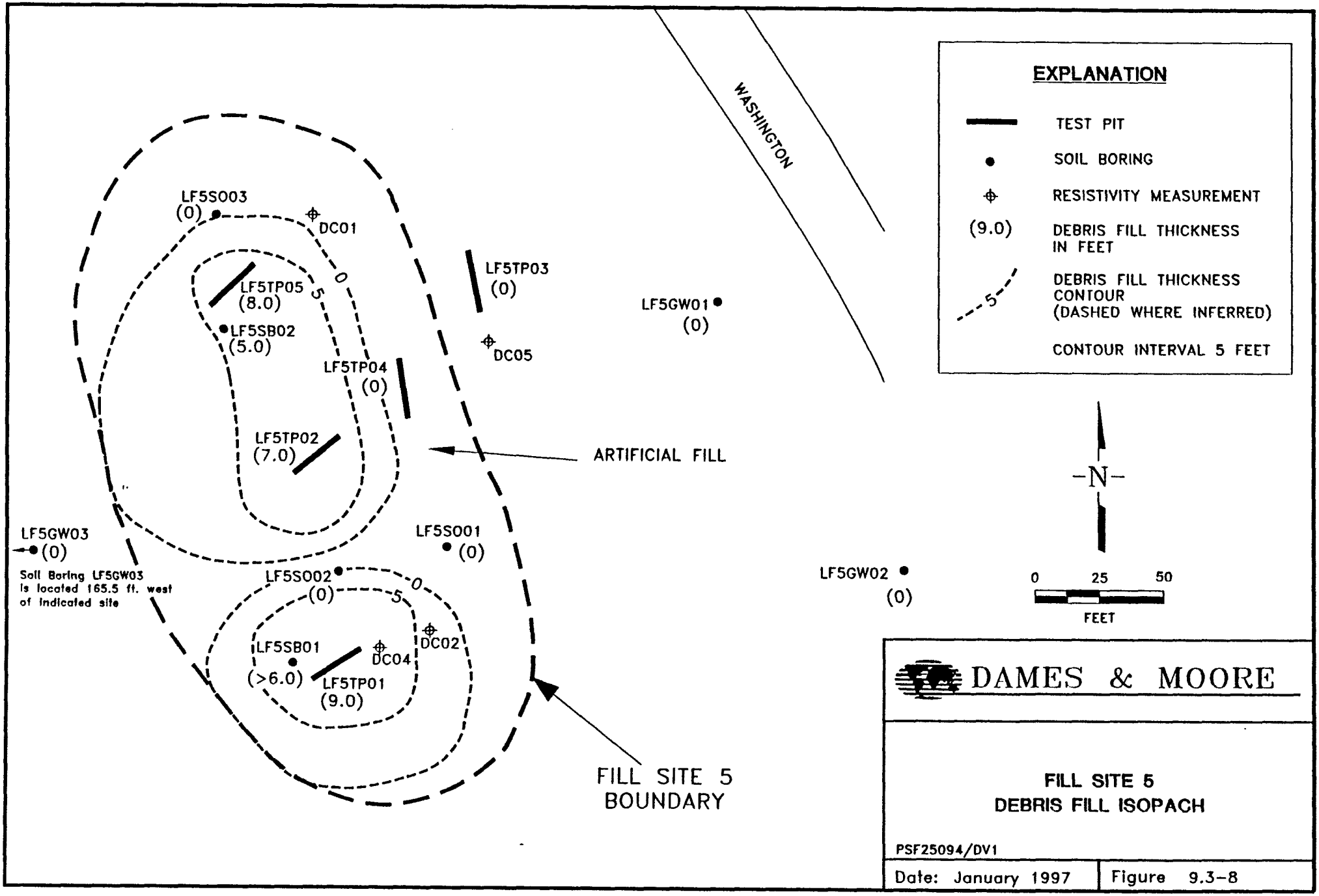


DAMES & MOORE

LANDFILL 4
DEBRIS FILL IOSPACH

PSF25075/DV1

Date: January 1997 | Figure 9.3-7



DAMES & MOORE

FILL SITE 5
DEBRIS FILL ISOPACH

PSF25094/DV1

Date: January 1997 | Figure 9.3-8

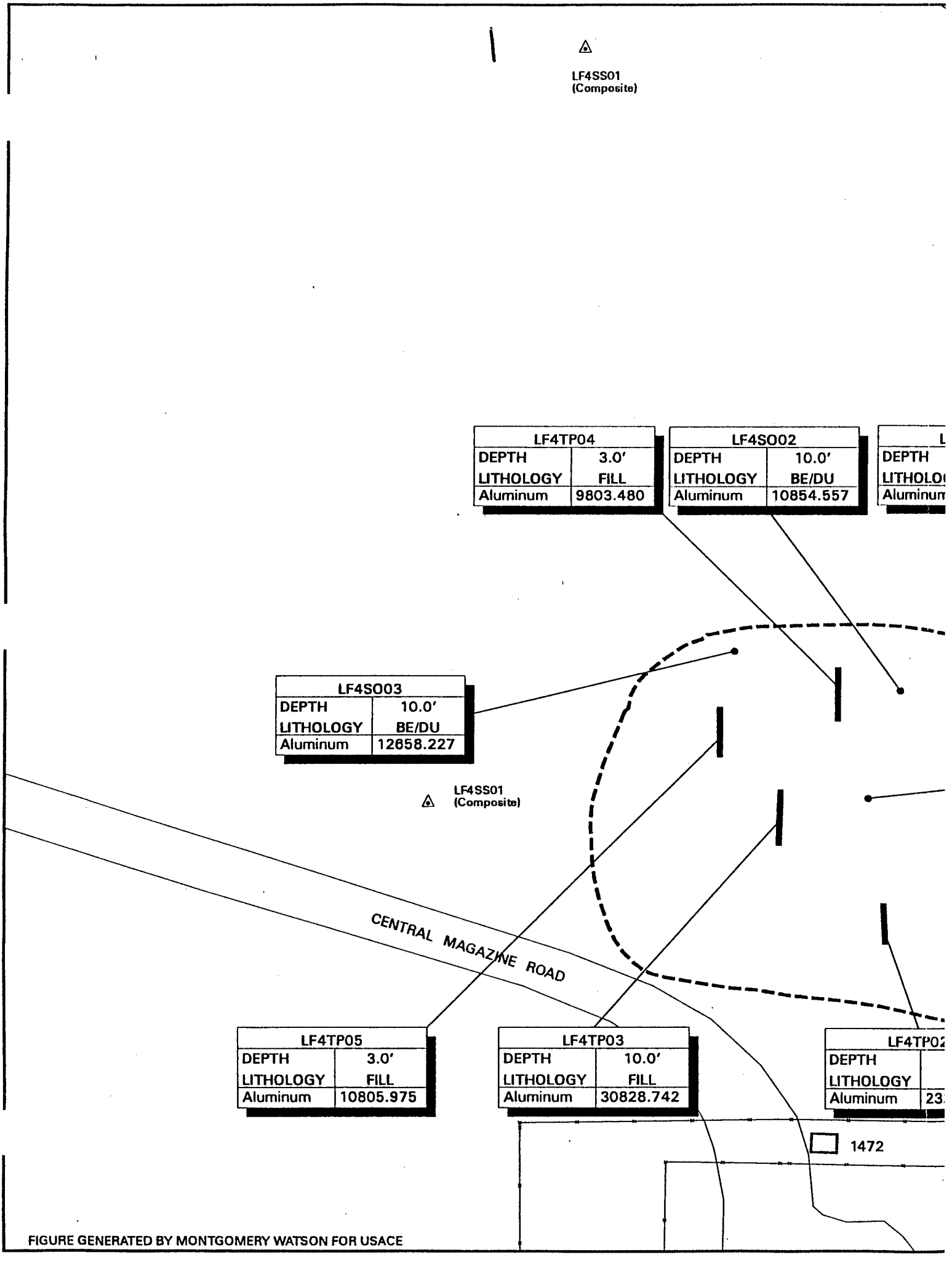
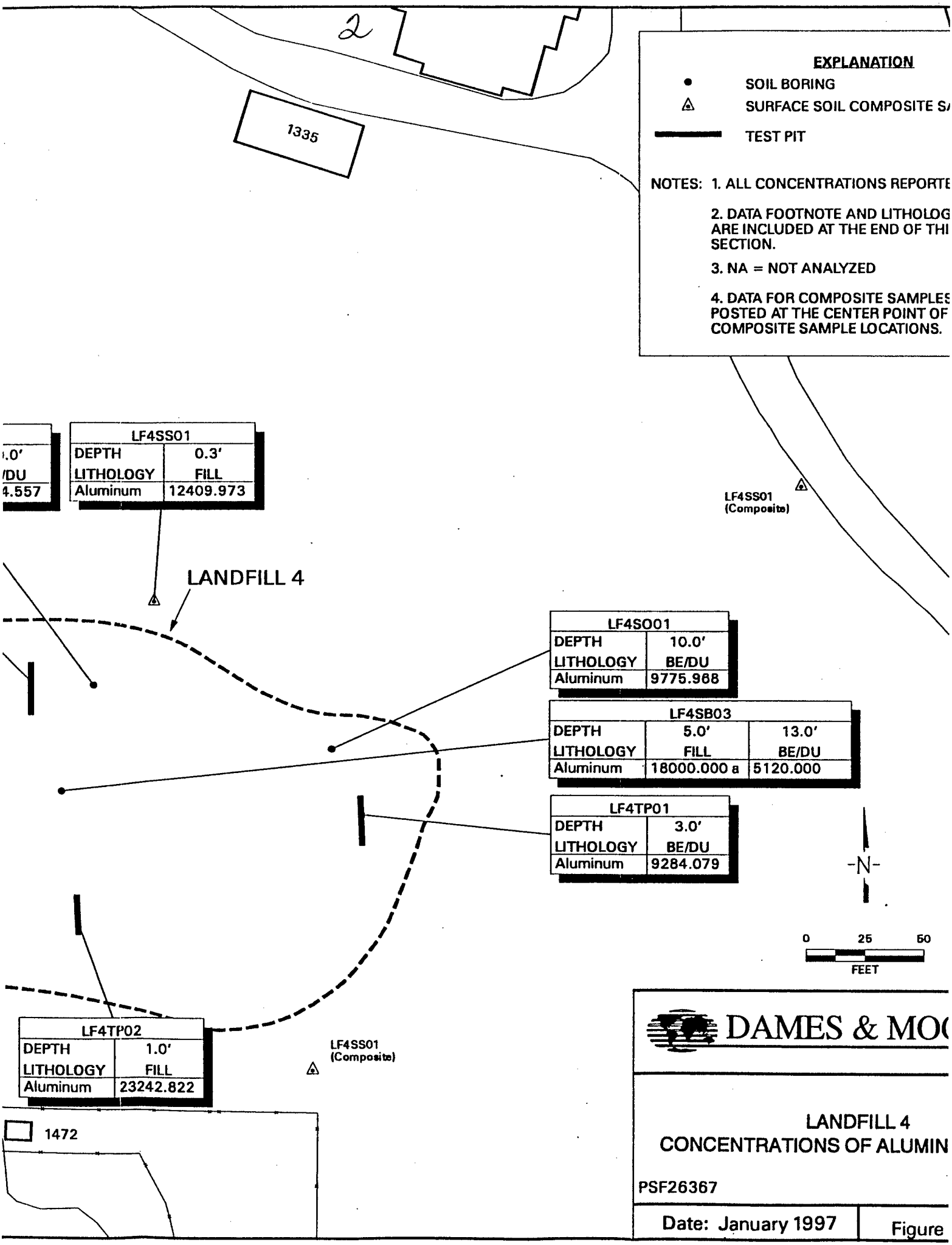


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16 Sep 96 14:58:33 Monday, [illegible] v17_v3.aml, pltfile base_LF4_S_1.grn, PSF


2
1335
EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSITE S/
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.
LF4SS01
DEPTH 0.3'
LITHOLOGY FILL
Aluminum 12409.973
LF4SS01 (Composite)
LANDFILL 4
LF4SO01
DEPTH 10.0'
LITHOLOGY BE/DU
Aluminum 9775.968
LF4SB03
DEPTH 5.0' 13.0'
LITHOLOGY FILL BE/DU
Aluminum 18000.000 a 5120.000
LF4TP01
DEPTH 3.0'
LITHOLOGY BE/DU
Aluminum 9284.079
-N-
0 25 50
FEET
LF4TP02
DEPTH 1.0'
LITHOLOGY FILL
Aluminum 23242.822
LF4SS01 (Composite)
1472
DAMES & MO
LANDFILL 4
CONCENTRATIONS OF ALUMIN
PSF26367
Date: January 1997
Figure

3

EXPLANATION

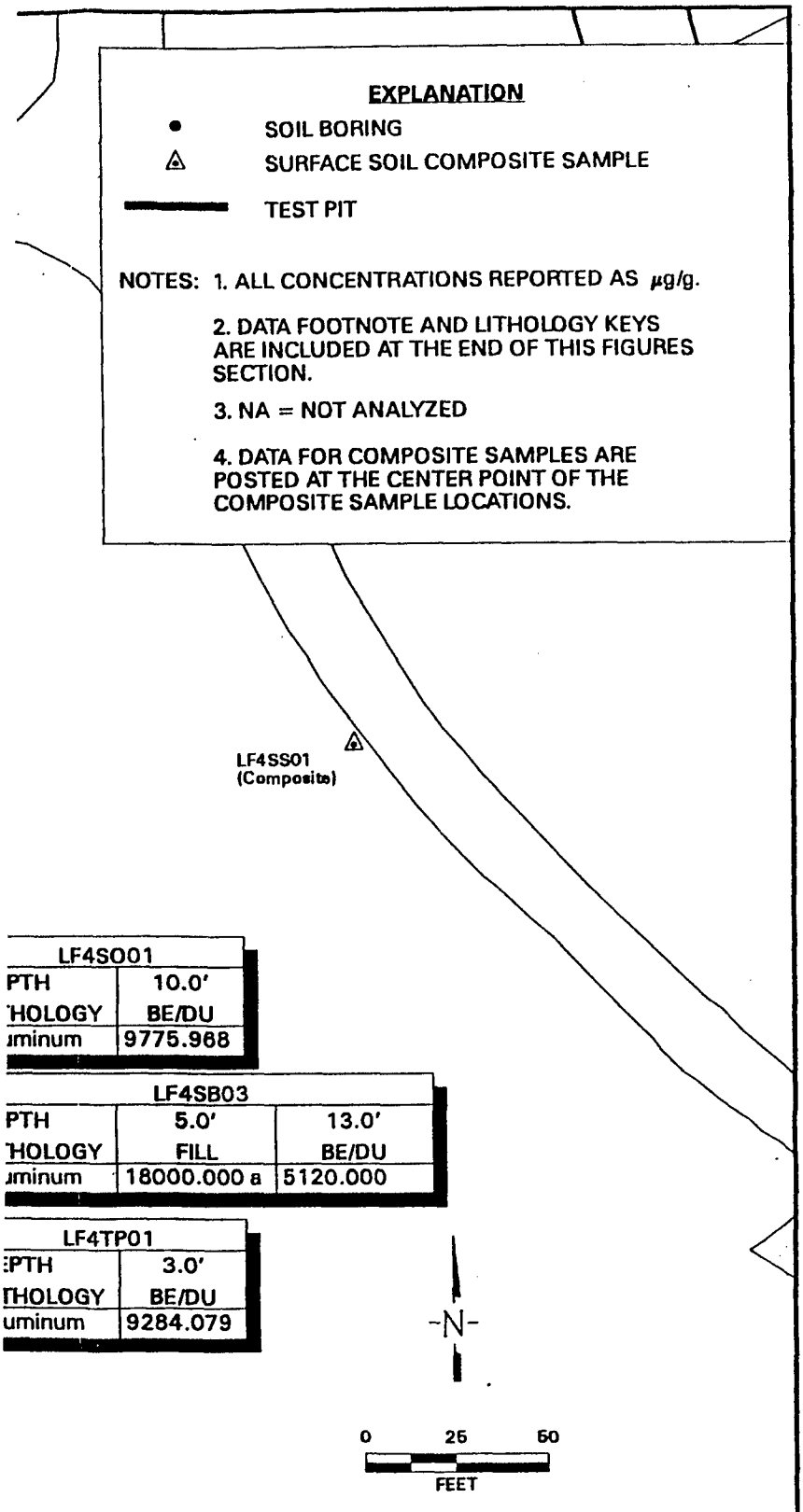
- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26367

Date: January 1997 | Figure 9.3-9

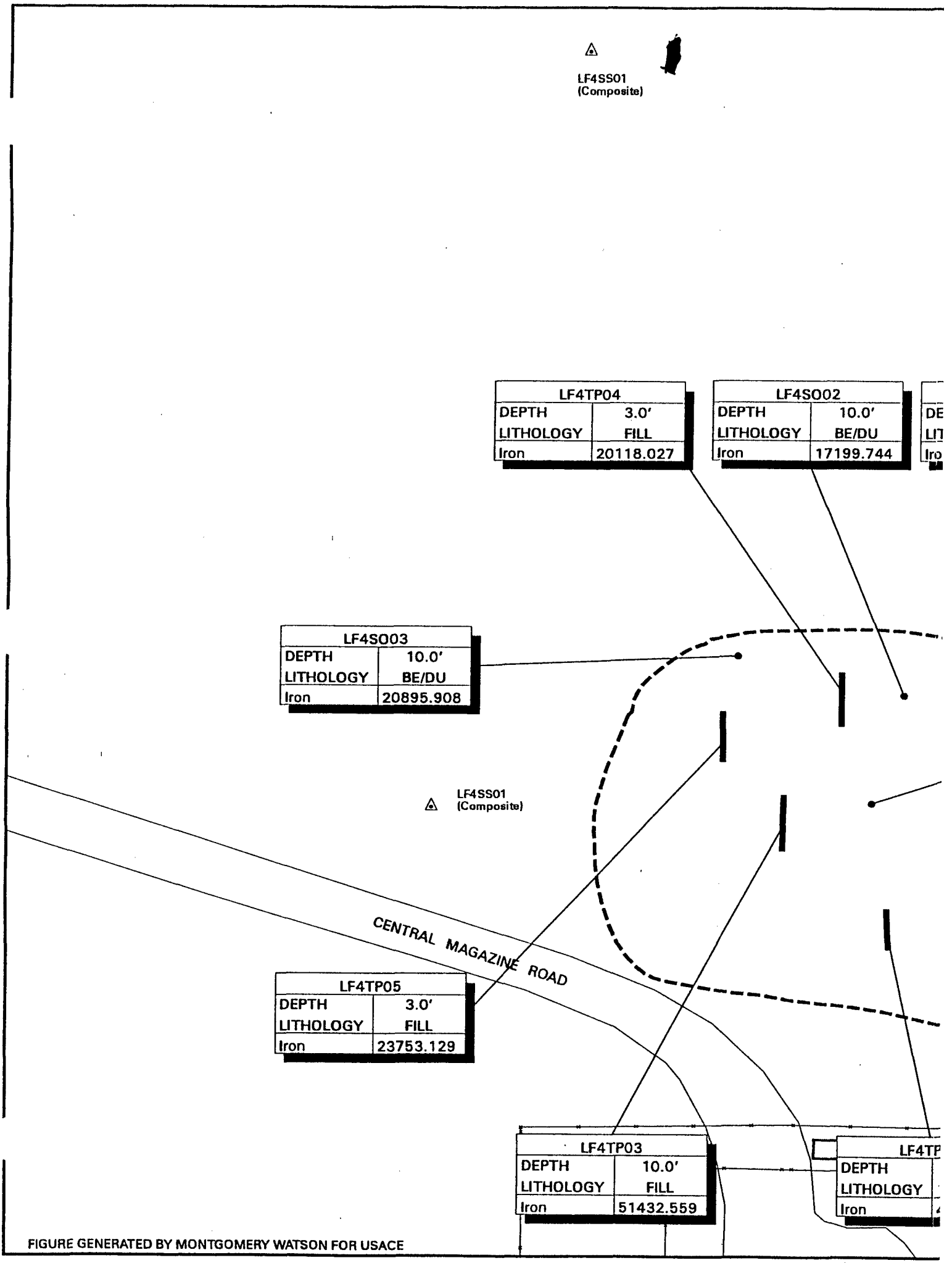
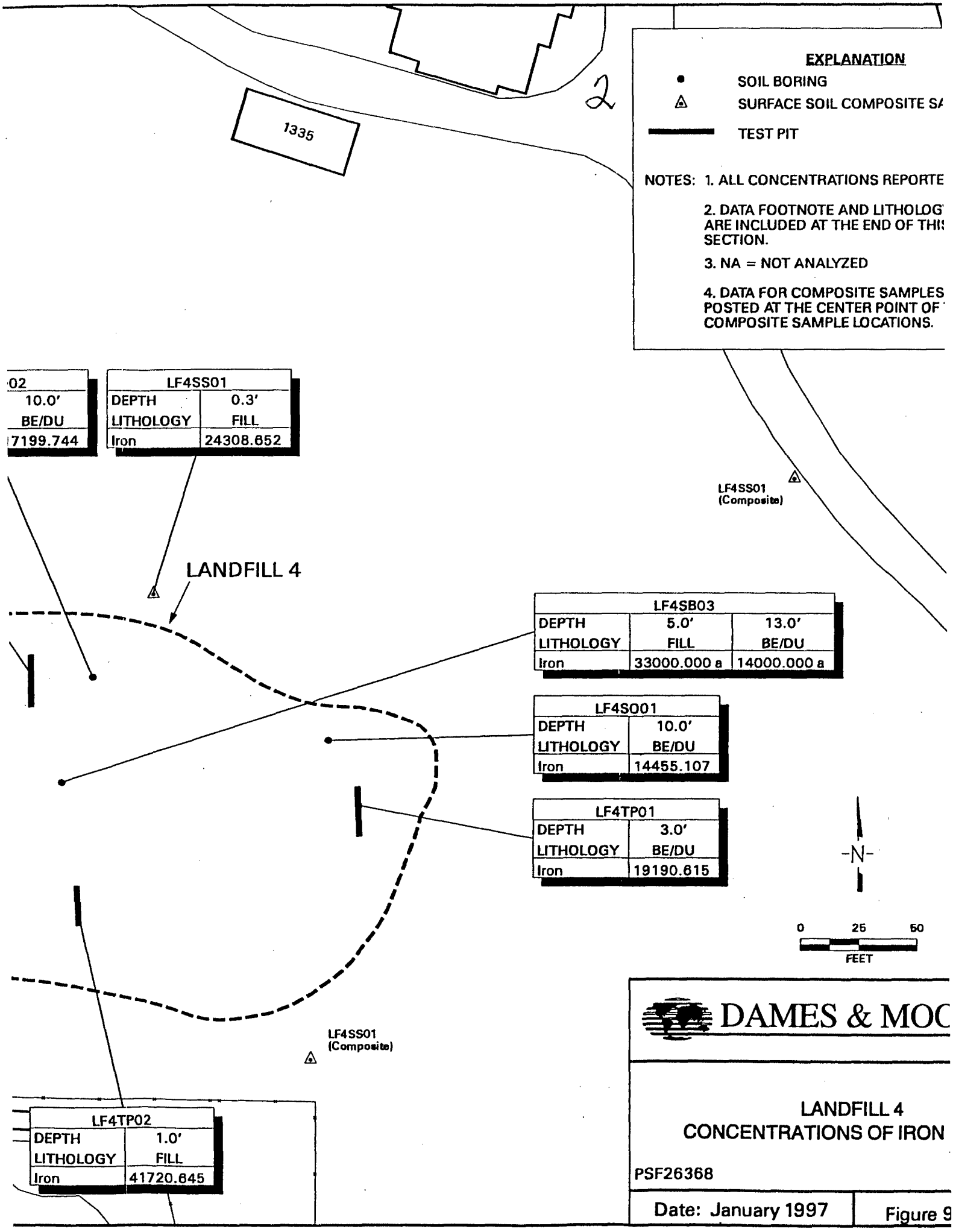


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16 Sep 96 14:59:51 Mont... 11x17_v3.aml, plotfile base_LF4_S_11.grn, PSF


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSITE SA
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.
1335
2
LANDFILL 4
LF4SS01 (Composite)
LF4SS01 (Composite)
LF4SS01
DEPTH 0.3'
LITHOLOGY FILL
Iron 24308.652
02
10.0'
BE/DU
7199.744
LF4SB03
DEPTH 5.0' 13.0'
LITHOLOGY FILL BE/DU
Iron 33000.000 a 14000.000 a
LF4SO01
DEPTH 10.0'
LITHOLOGY BE/DU
Iron 14455.107
LF4TP01
DEPTH 3.0'
LITHOLOGY BE/DU
Iron 19190.615
LF4TP02
DEPTH 1.0'
LITHOLOGY FILL
Iron 41720.645
-N-
0 25 50
FEET
DAMES & MOC
LANDFILL 4
CONCENTRATIONS OF IRON
PSF26368
Date: January 1997
Figure 9

3

EXPLANATION

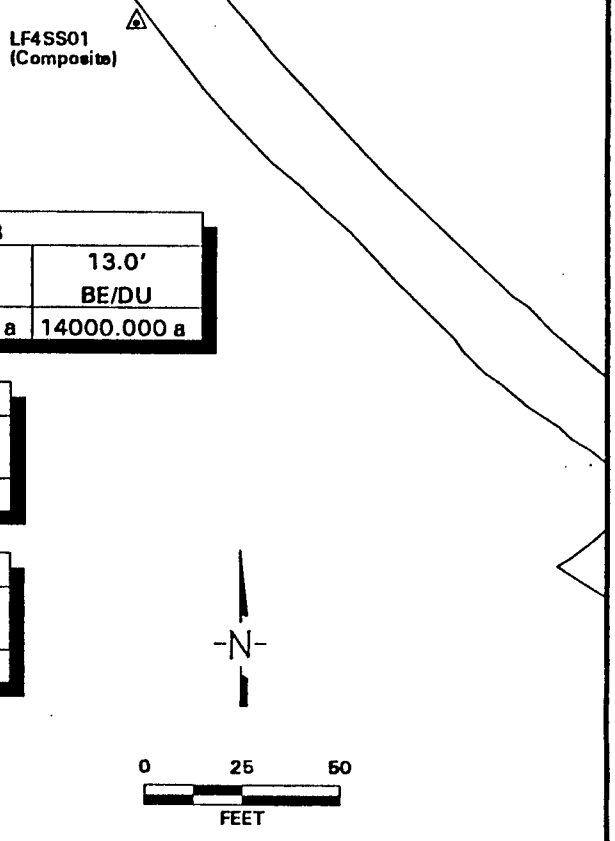
- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF IRON IN SOIL

PSF26368

Date: January 1997

Figure 9.3-10

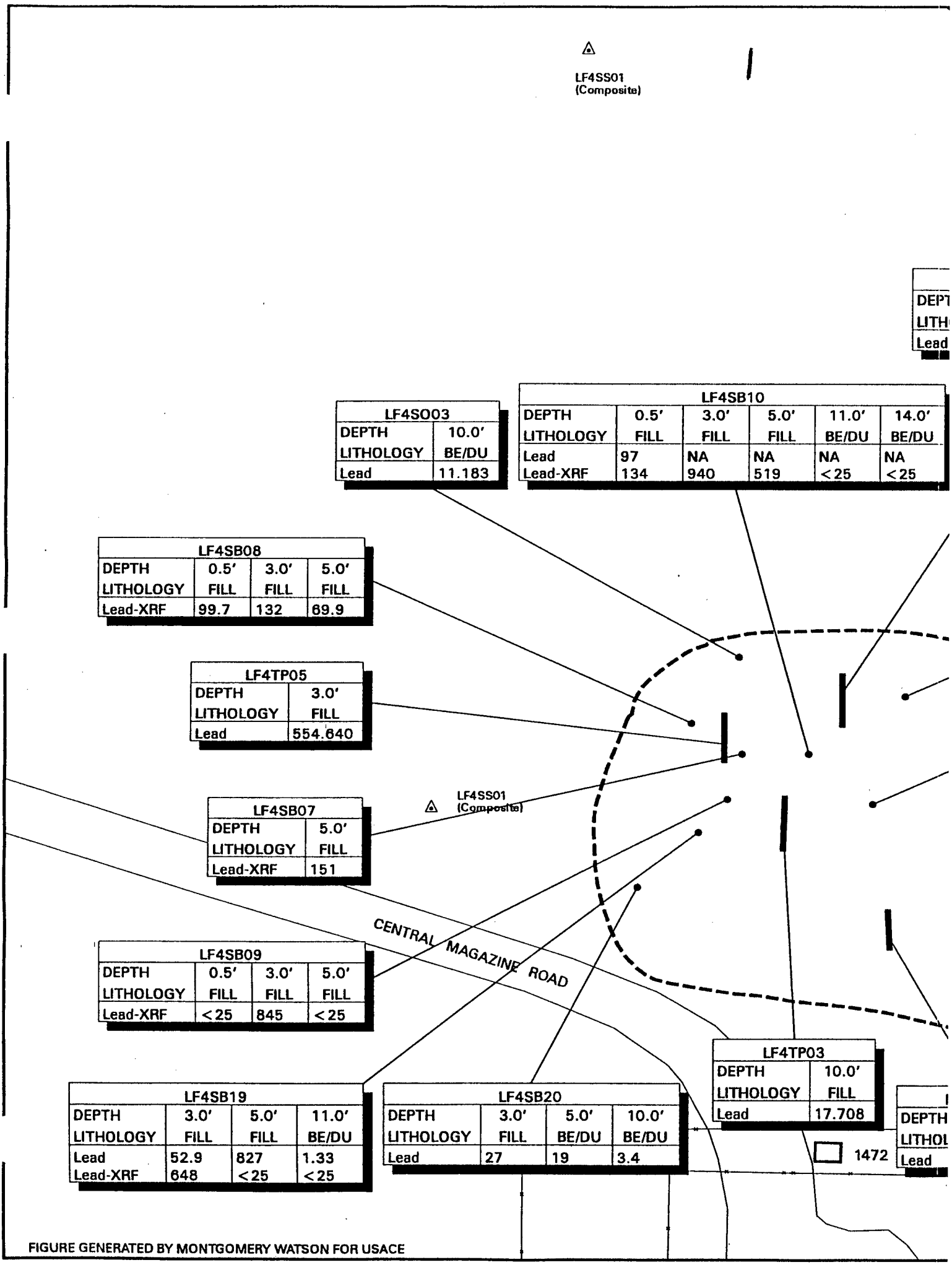
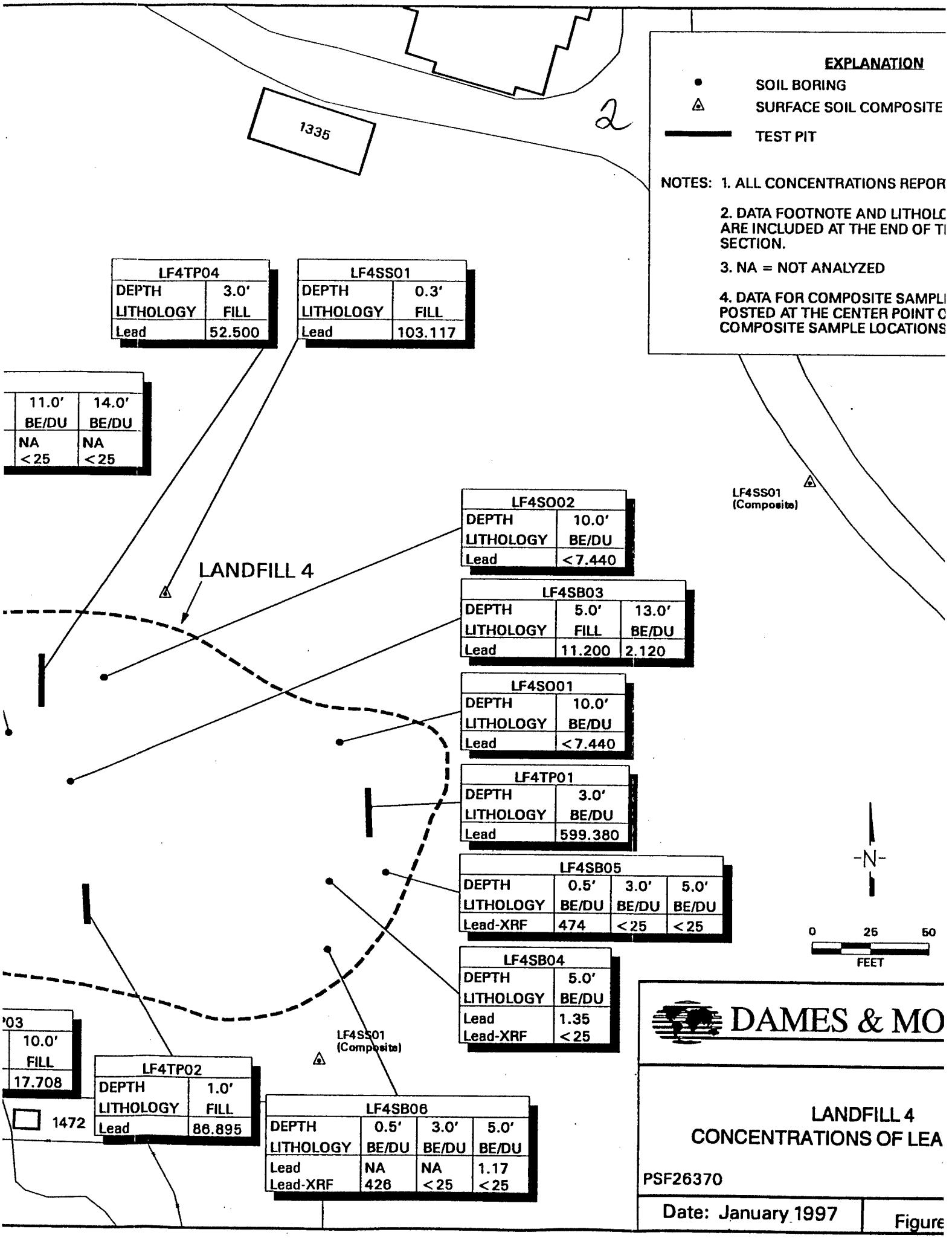
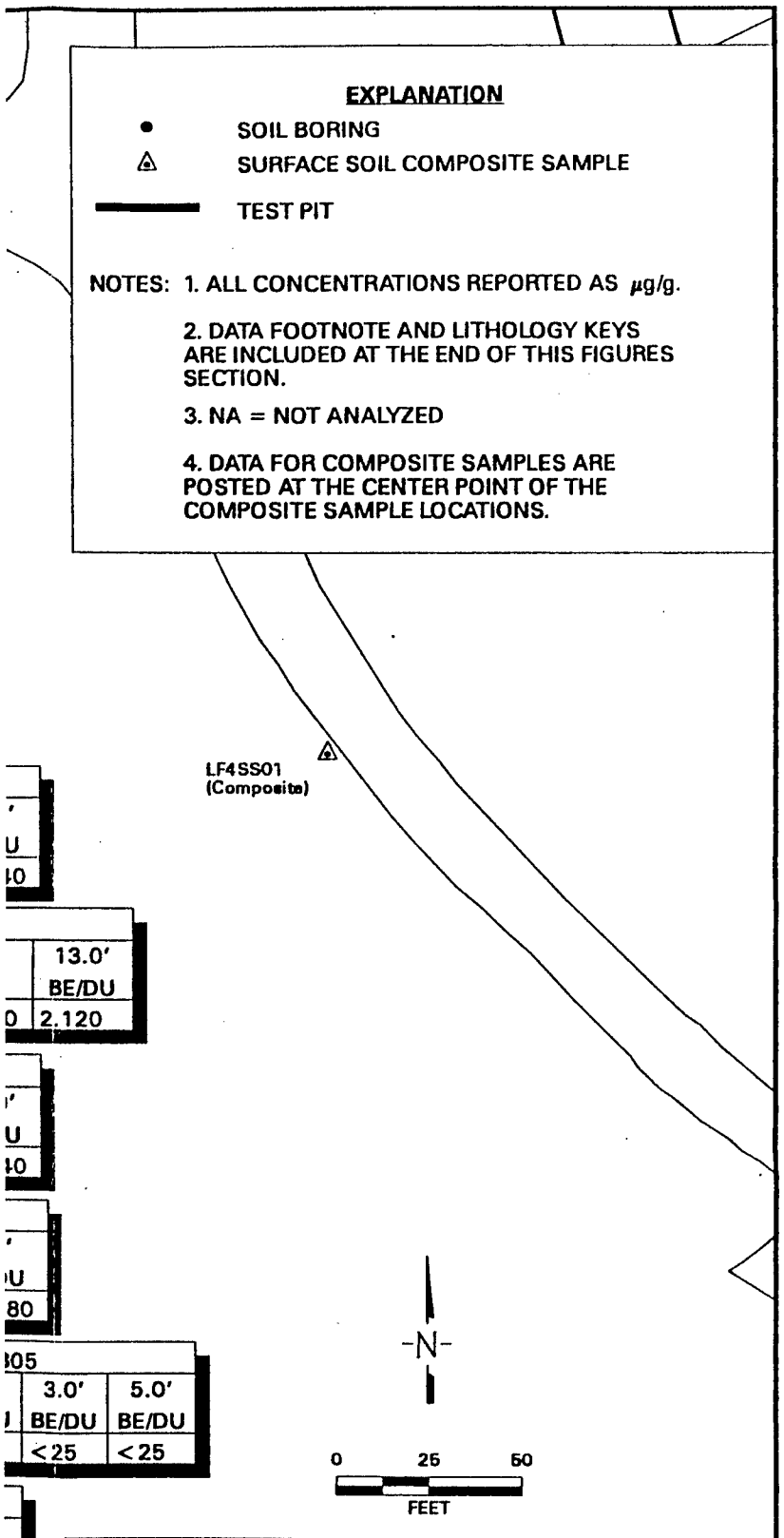


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 15:01:31 Monday, V17_v3.aml, pltdfile base_LF4_S_12.grx, PSF


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSITE
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPOR
2. DATA FOOTNOTE AND LITHOLC ARE INCLUDED AT THE END OF TI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLI POSTED AT THE CENTER POINT C COMPOSITE SAMPLE LOCATIONS
1335
2
LF4TP04
DEPTH 3.0'
LITHOLOGY FILL
Lead 52.500
LF4SS01
DEPTH 0.3'
LITHOLOGY FILL
Lead 103.117
11.0' BE/DU NA <25
14.0' BE/DU NA <25
LF4SS01 (Composite)
LF4SO02
DEPTH 10.0'
LITHOLOGY BE/DU
Lead <7.440
LANDFILL 4
LF4SB03
DEPTH 5.0' 13.0'
LITHOLOGY FILL BE/DU
Lead 11.200 2.120
LF4SO01
DEPTH 10.0'
LITHOLOGY BE/DU
Lead <7.440
LF4TP01
DEPTH 3.0'
LITHOLOGY BE/DU
Lead 599.380
LF4SB05
DEPTH 0.5' 3.0' 5.0'
LITHOLOGY BE/DU BE/DU BE/DU
Lead-XRF 474 <25 <25
LF4SB04
DEPTH 5.0'
LITHOLOGY BE/DU
Lead 1.35
Lead-XRF <25
-N-
0 25 50
FEET
'03
10.0'
FILL
17.708
1472
LF4SS01 (Composite)
LF4TP02
DEPTH 1.0'
LITHOLOGY FILL
Lead 86.895
LF4SB06
DEPTH 0.5' 3.0' 5.0'
LITHOLOGY BE/DU BE/DU BE/DU
Lead NA 1.17
Lead-XRF 426 <25 <25
DAMES & MO
LANDFILL 4
CONCENTRATIONS OF LEA
PSF26370
Date: January 1997
Figure



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF LEAD IN SOIL

PSF26370

Date: January 1997

Figure 9.3-11

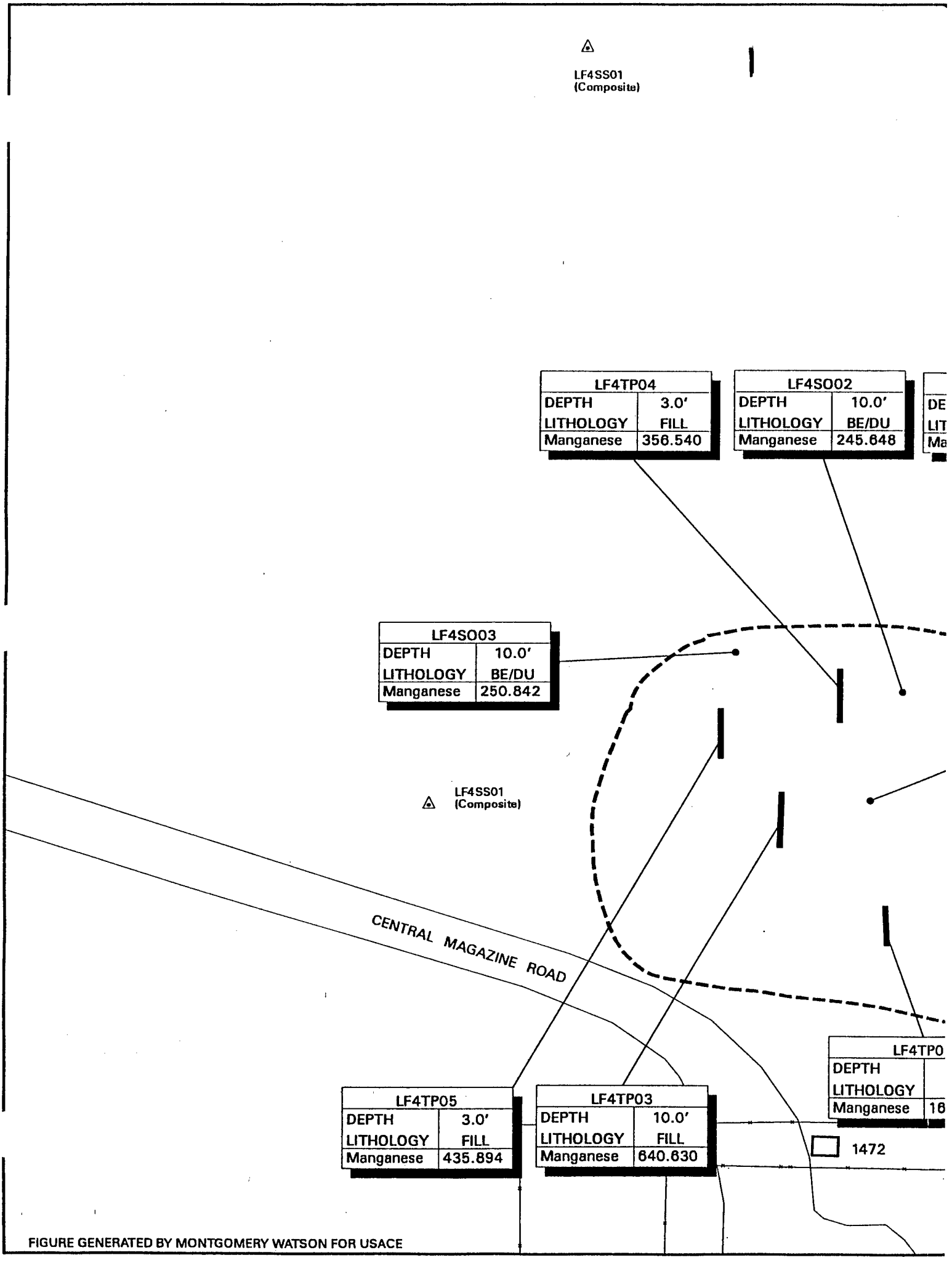
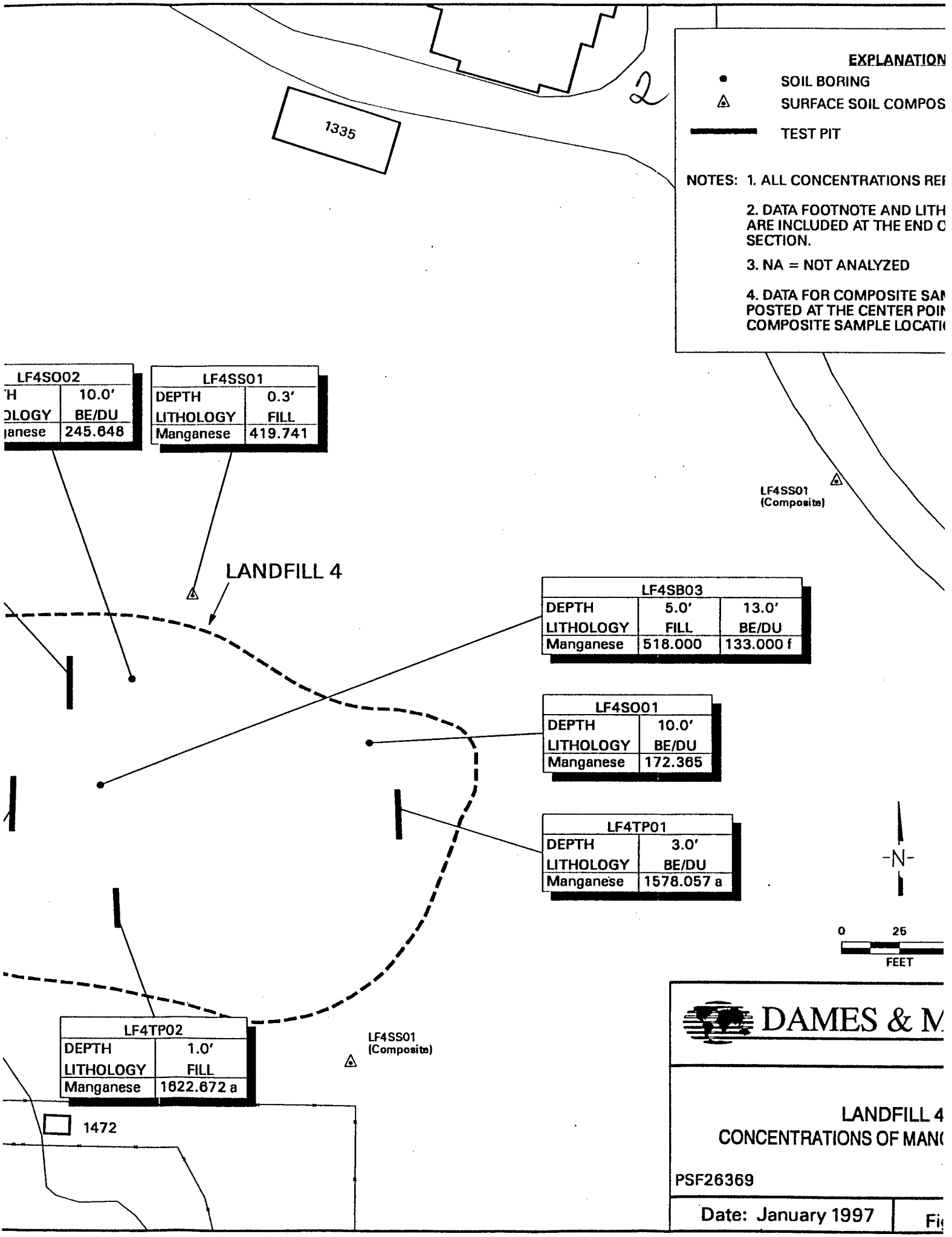


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOS
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REI
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END O
SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAI
POSTED AT THE CENTER POI
COMPOSITE SAMPLE LOCATI
1335
2
LF4SO02
H 10.0'
OLOGY BE/DU
anese 245.648
LF4SS01
DEPTH 0.3'
LITHOLOGY FILL
Manganese 419.741
LF4SS01
(Composite)
LANDFILL 4
LF4SB03
DEPTH 5.0' 13.0'
LITHOLOGY FILL BE/DU
Manganese 518.000 133.000 f
LF4SO01
DEPTH 10.0'
LITHOLOGY BE/DU
Manganese 172.365
LF4TP01
DEPTH 3.0'
LITHOLOGY BE/DU
Manganese 1578.057 a
-N-
0 25
FEET
LF4TP02
DEPTH 1.0'
LITHOLOGY FILL
Manganese 1622.672 a
LF4SS01
(Composite)
1472
DAMES & M
LANDFILL 4
CONCENTRATIONS OF MAN
PSF26369
Date: January 1997
Fi

3

EXPLANATION

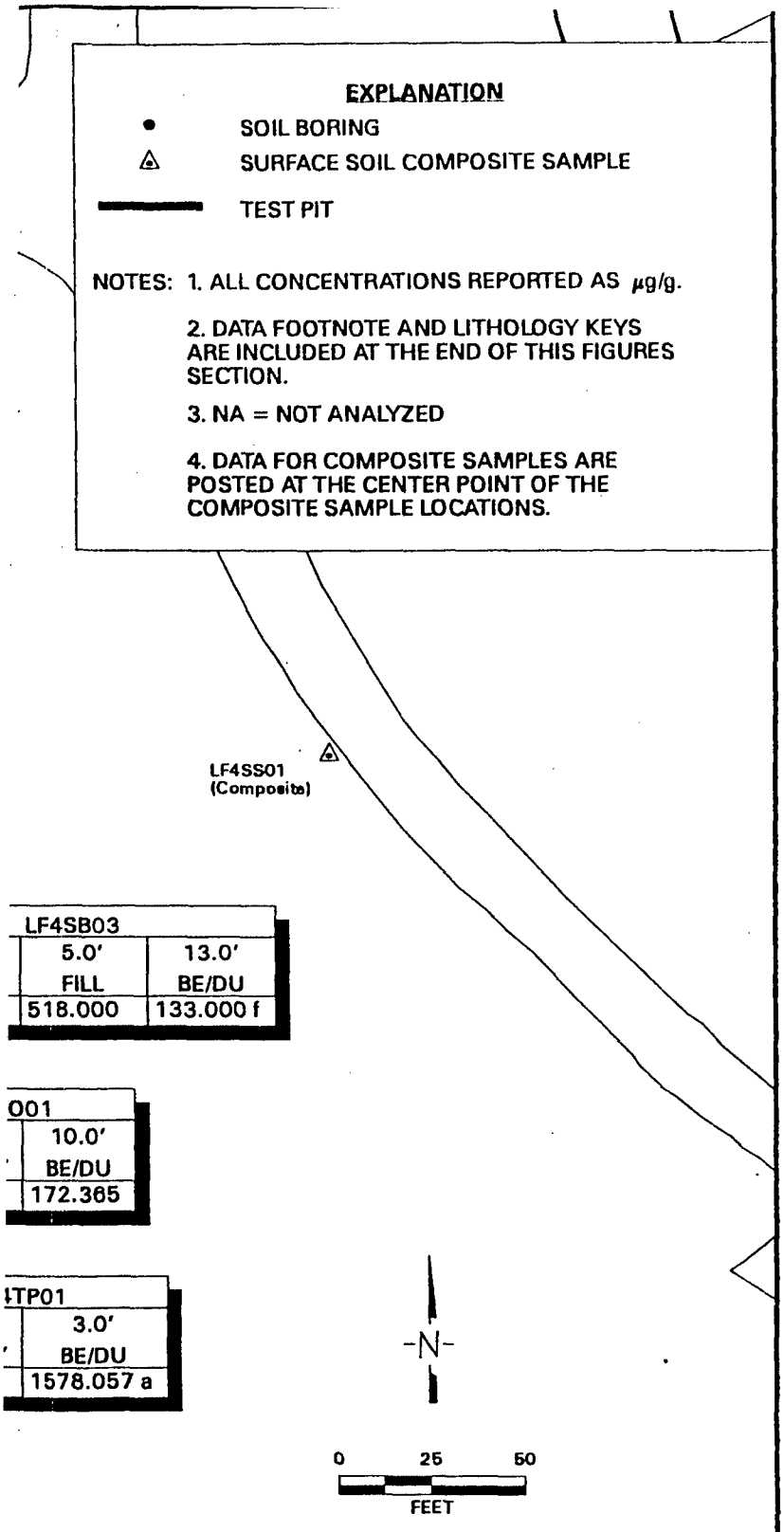
- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26369

Date: January 1997 | Figure 9.3-12

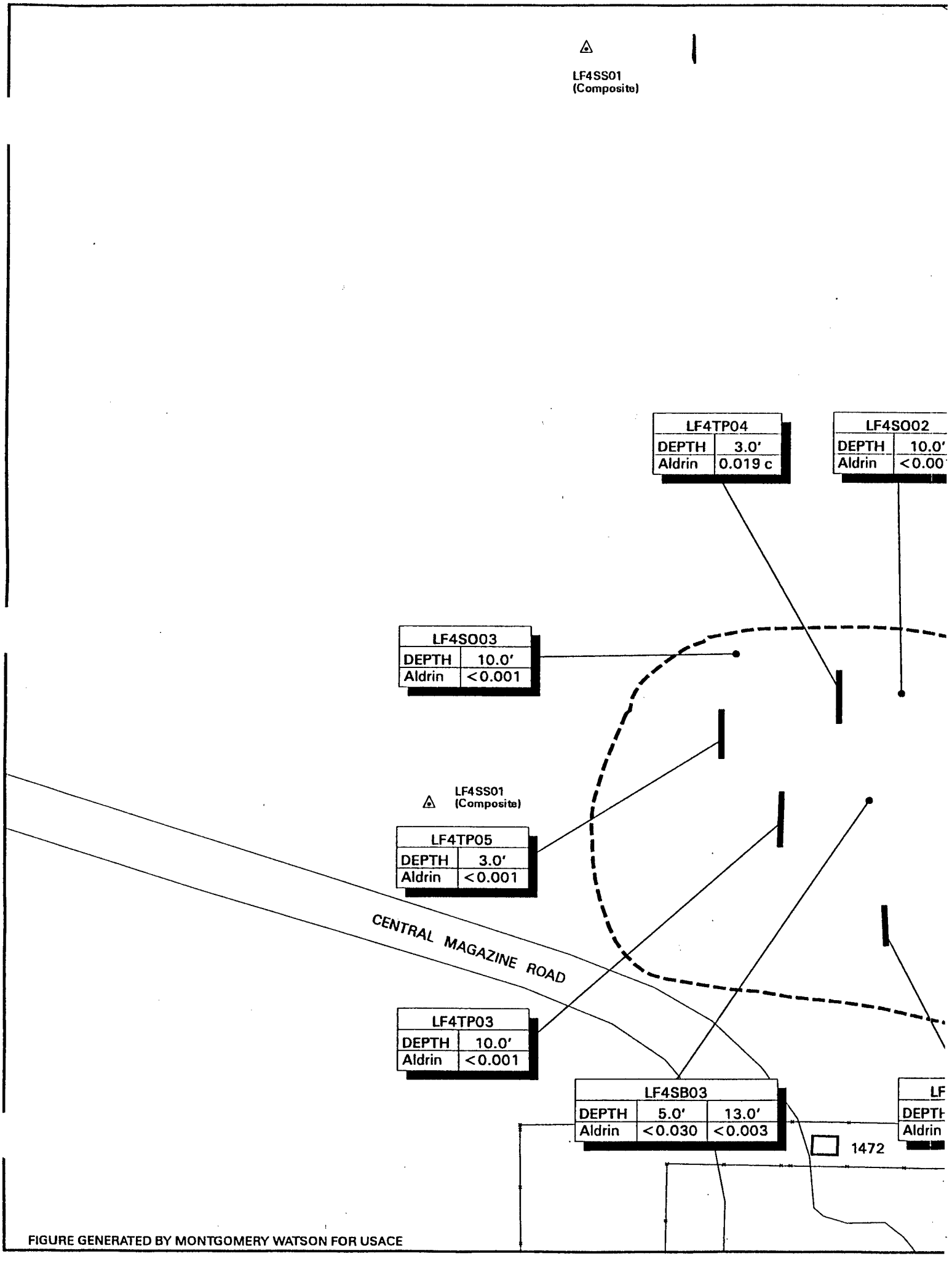
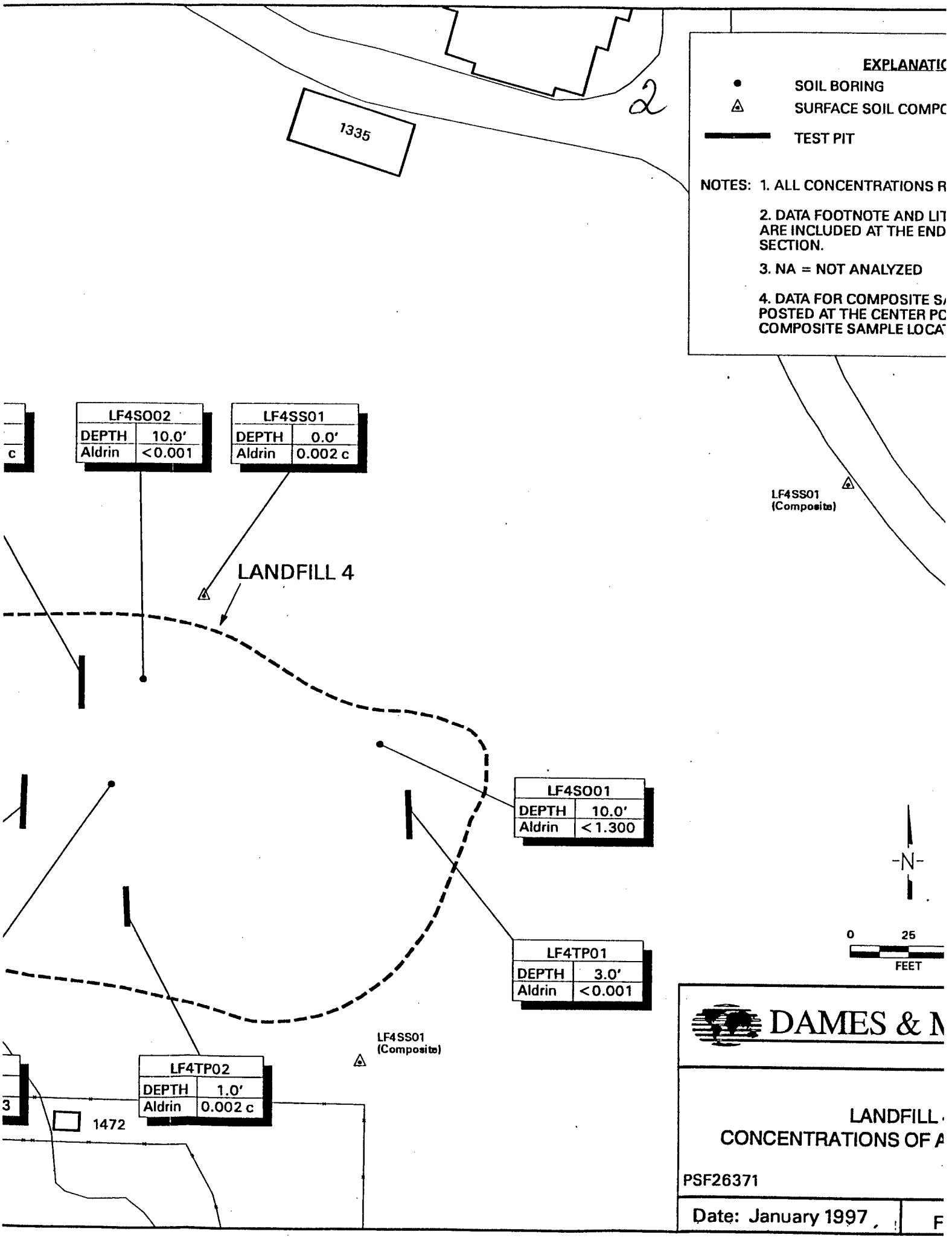


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16 Sep 96 15:04:00 Monday, P `x17_v3.aml, plotfile:base_LF4_S_31.gra, PSF


EXPLANATIC
SOIL BORING
SURFACE SOIL COMPC
TEST PIT
NOTES: 1. ALL CONCENTRATIONS R
2. DATA FOOTNOTE AND LIT
ARE INCLUDED AT THE END
SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE S/
POSTED AT THE CENTER PC
COMPOSITE SAMPLE LOCA
1335
2
LF4SO02
DEPTH 10.0'
Aldrin <0.001
LF4SS01
DEPTH 0.0'
Aldrin 0.002 c
LF4SS01
(Composite)
LANDFILL 4
LF4SO01
DEPTH 10.0'
Aldrin <1.300
LF4TP01
DEPTH 3.0'
Aldrin <0.001
LF4SS01
(Composite)
LF4TP02
DEPTH 1.0'
Aldrin 0.002 c
1472
-N-
0 25
FEET
DAMES & M
LANDFILL
CONCENTRATIONS OF A
PSF26371
Date: January 1997
F

3

EXPLANATION

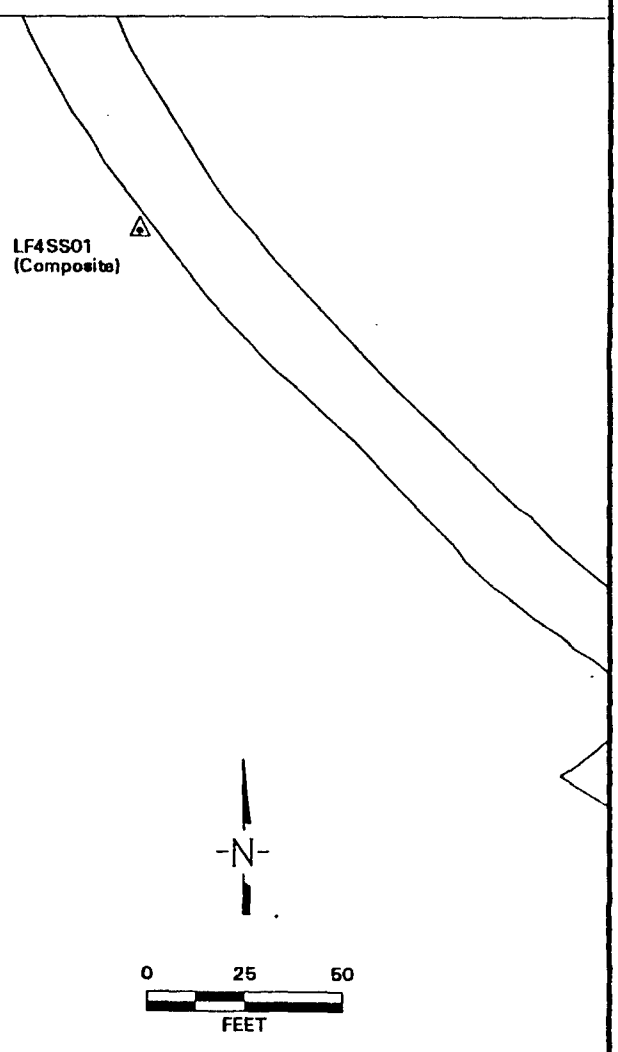
- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF ALDRIN IN SOIL

PSF26371

Date: January 1997

Figure 9.3-13

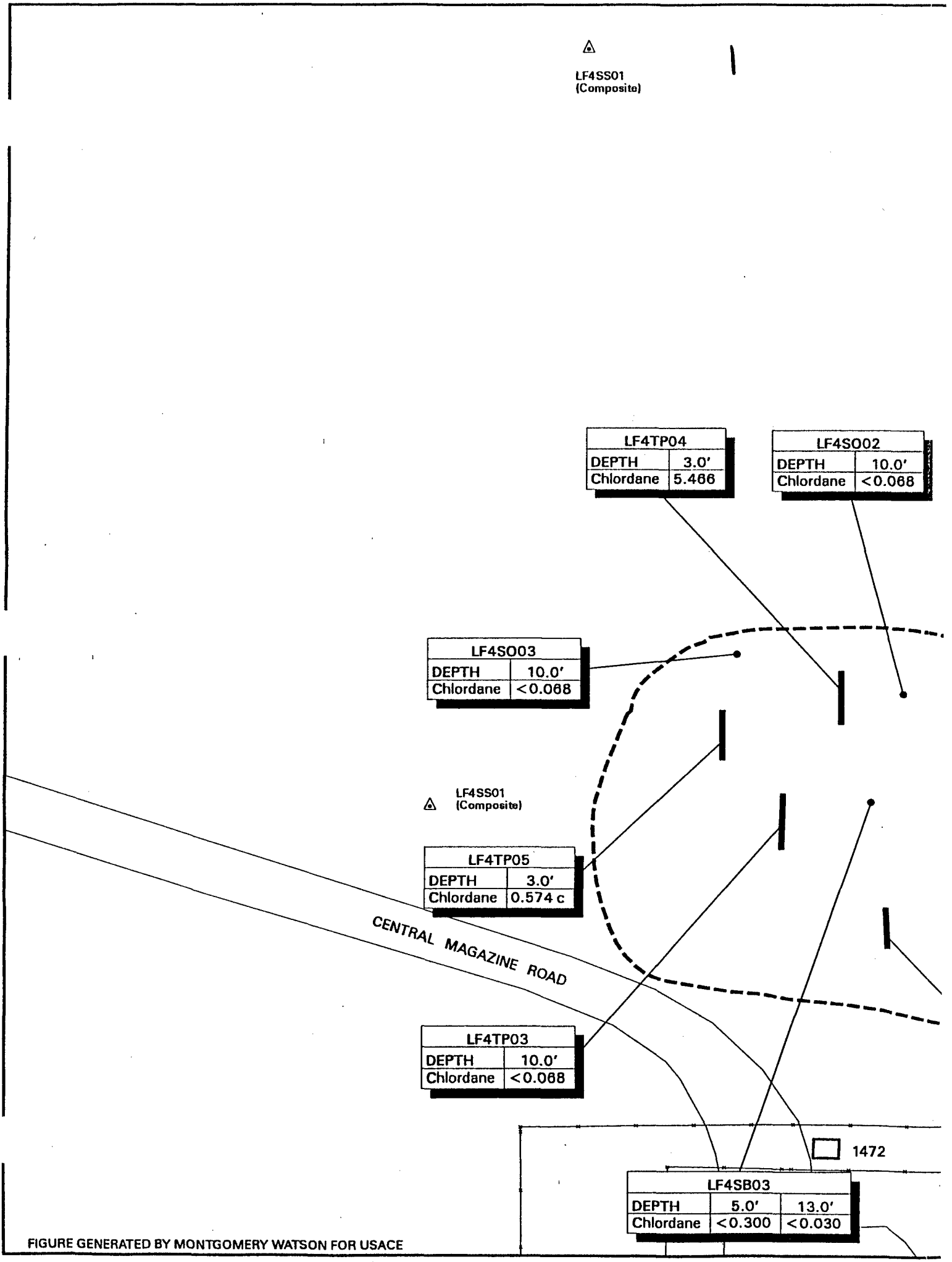
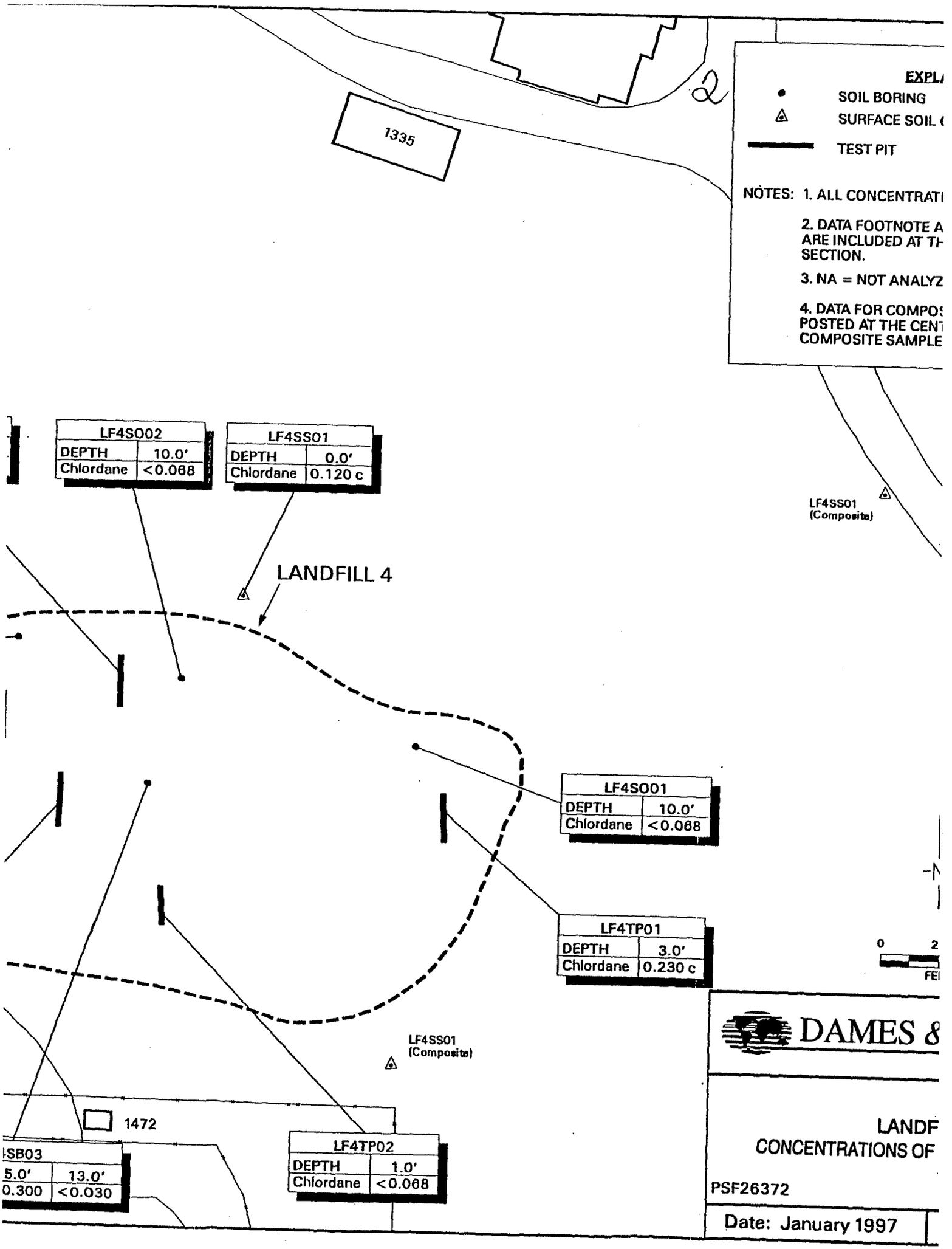


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 15:09:04 Monday v17_v3.aml, plotfile hsec_LF4_5_49.gra, PSF


EXPL
SOIL BORING
SURFACE SOIL (
TEST PIT
NOTES: 1. ALL CONCENTRATI
2. DATA FOOTNOTE A
ARE INCLUDED AT TH
SECTION.
3. NA = NOT ANALYZ
4. DATA FOR COMPOS
POSTED AT THE CENT
COMPOSITE SAMPLE
1335
2
LF4SO02
DEPTH 10.0'
Chlordane <0.068
LF4SS01
DEPTH 0.0'
Chlordane 0.120 c
LF4SS01
(Composite)
LANDFILL 4
LF4SO01
DEPTH 10.0'
Chlordane <0.068
LF4TP01
DEPTH 3.0'
Chlordane 0.230 c
0
2
FE
LF4SS01
(Composite)
1472
SB03
5.0' 13.0'
0.300 <0.030
LF4TP02
DEPTH 1.0'
Chlordane <0.068
DAMES &
LANDF
CONCENTRATIONS OF
PSF26372
Date: January 1997

3

EXPLANATION

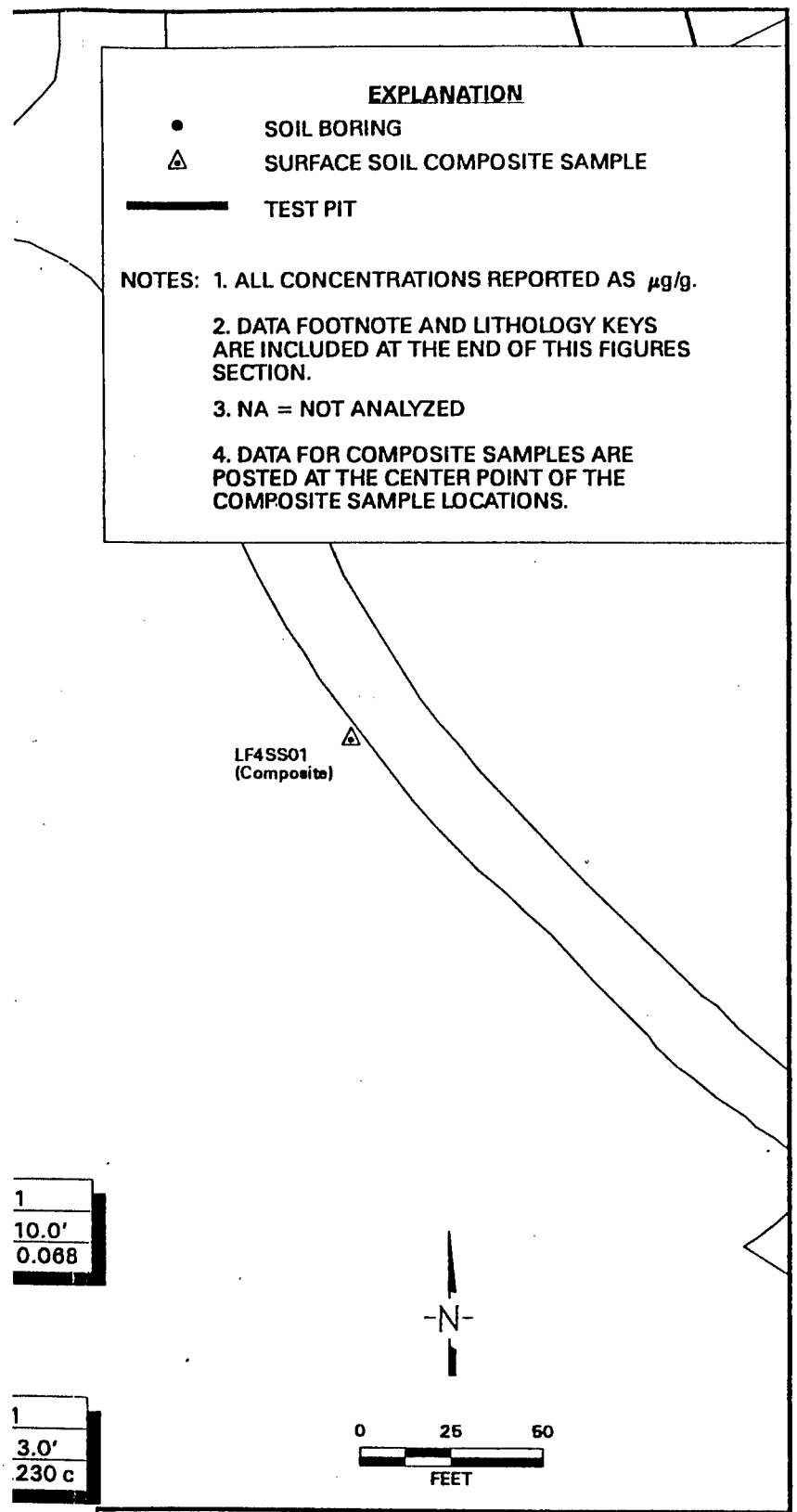
- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF CHLORDANE IN SOIL

PSF26372

Date: January 1997

Figure 9.3-14

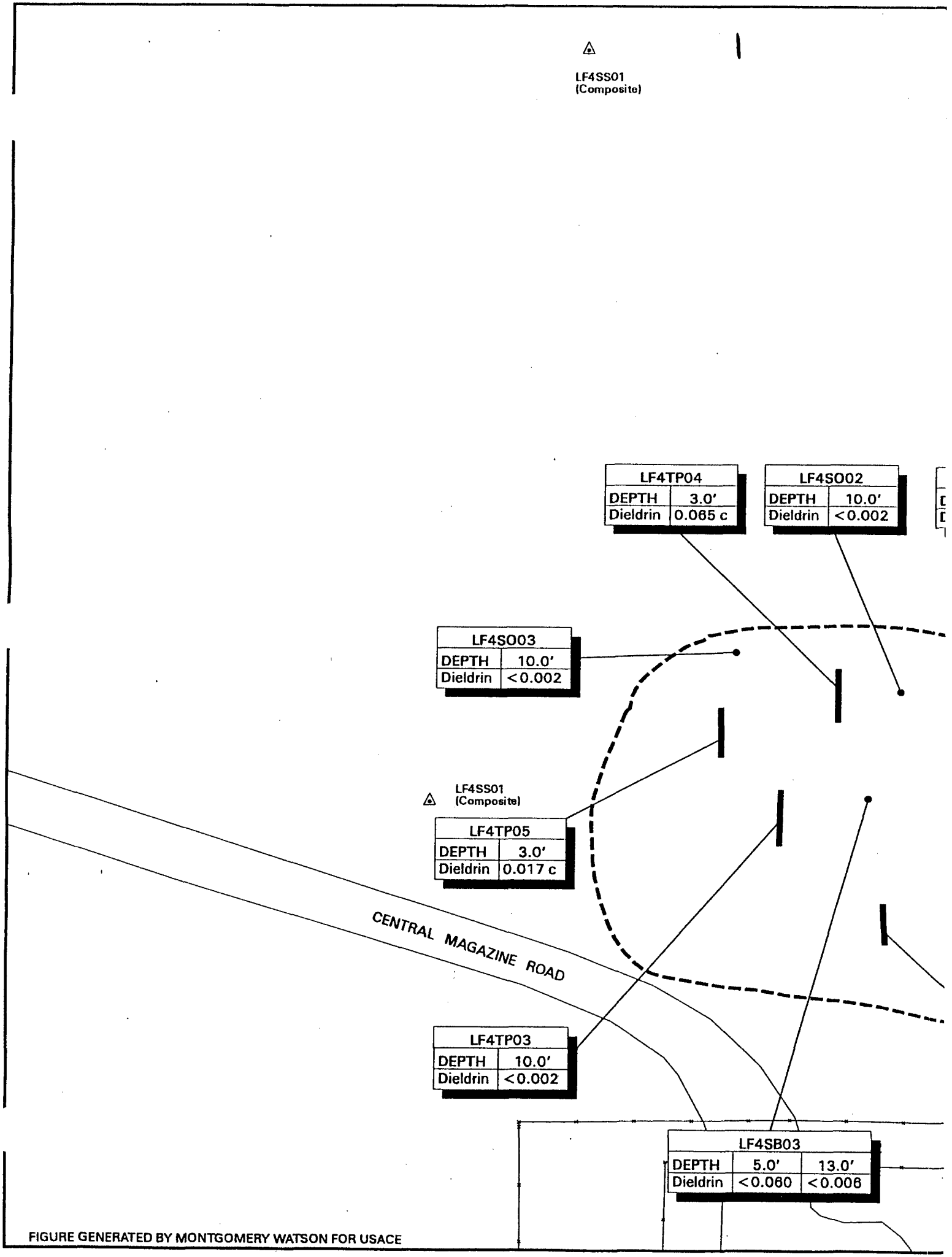
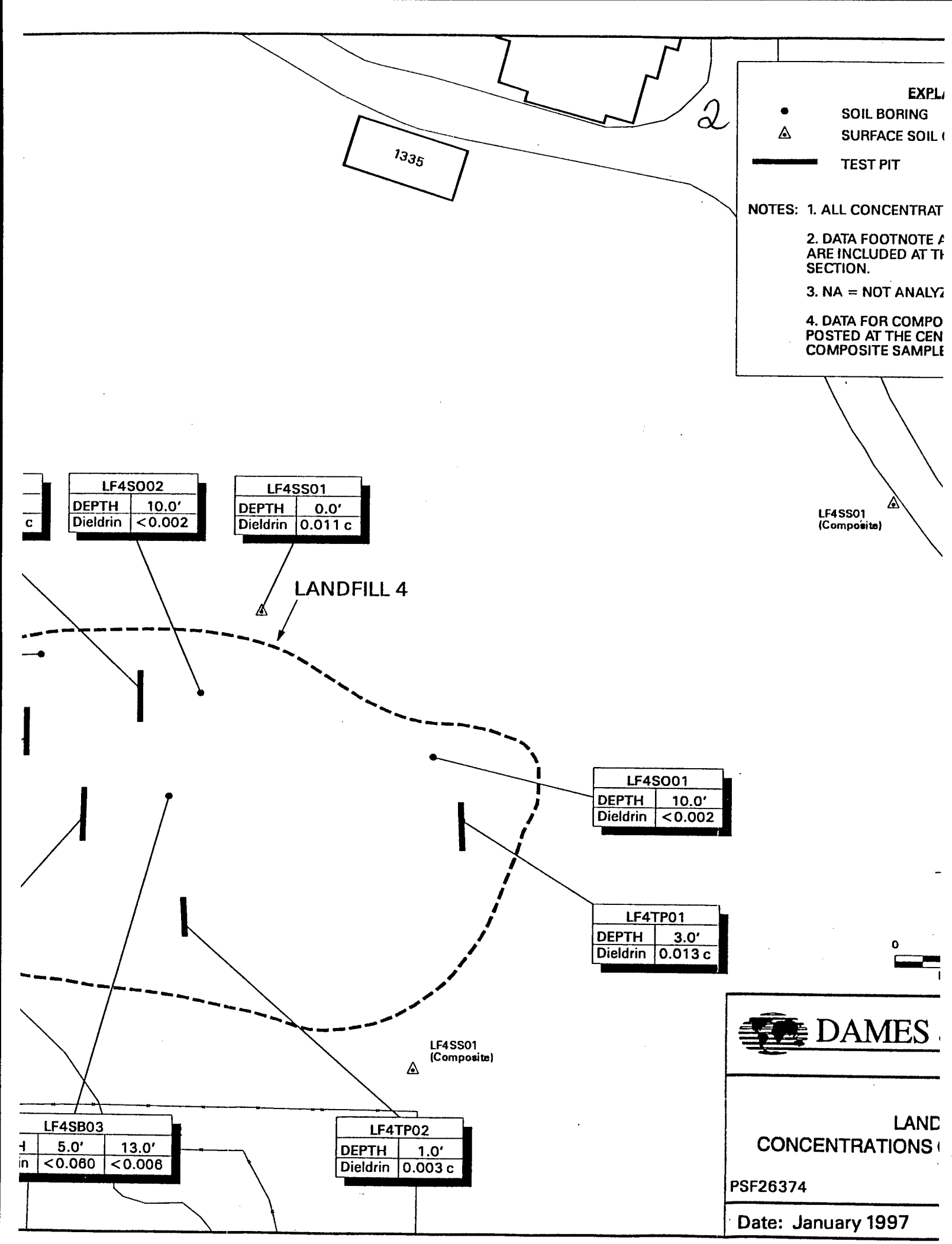
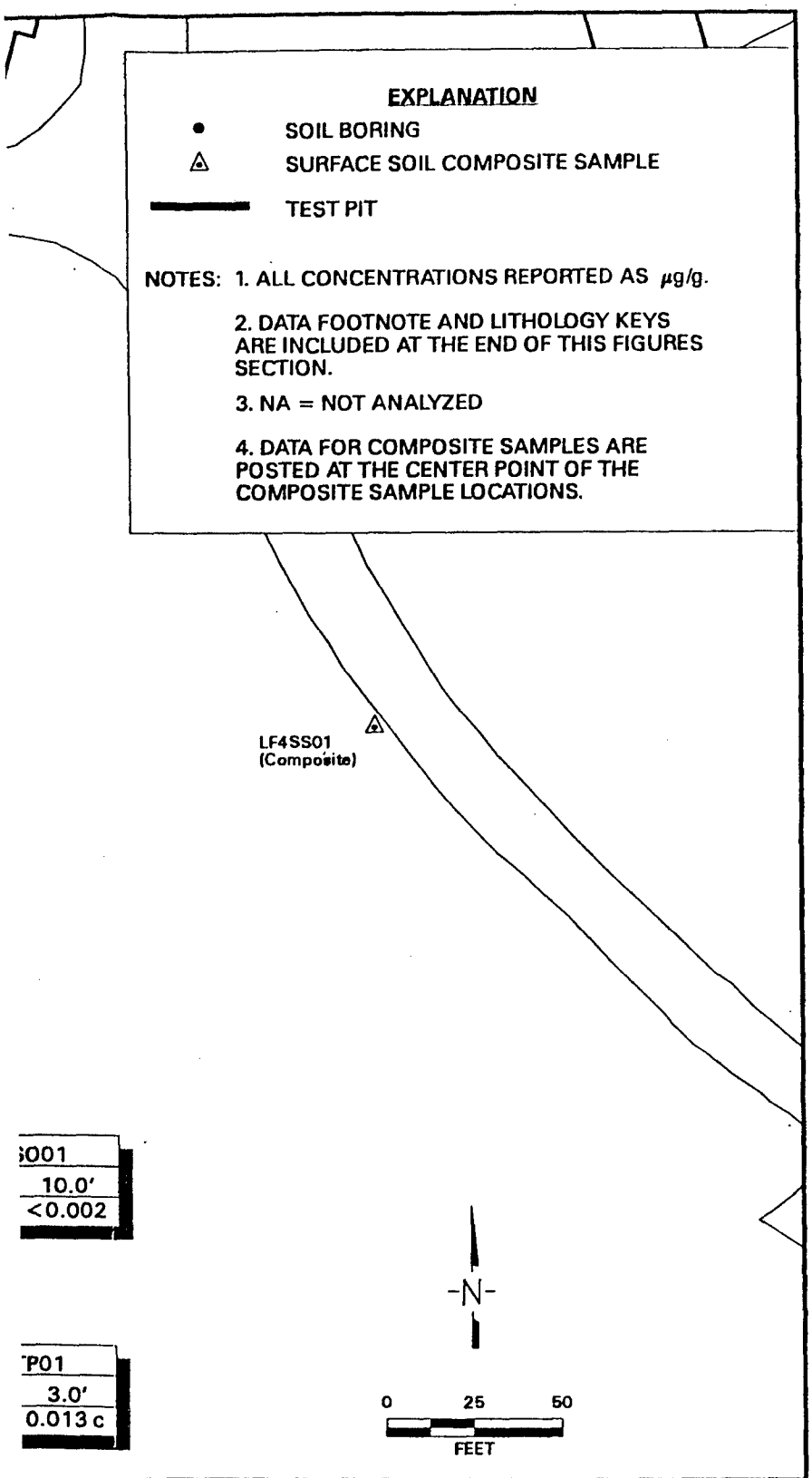


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


1335
2
EXPL
SOIL BORING
SURFACE SOIL
TEST PIT
NOTES: 1. ALL CONCENTRAT
2. DATA FOOTNOTE A
ARE INCLUDED AT TH
SECTION.
3. NA = NOT ANALYZ
4. DATA FOR COMPO
POSTED AT THE CEN
COMPOSITE SAMPLE
LF4SS01
(Composite)
LF4SO02
DEPTH 10.0'
Dieldrin <0.002
LF4SS01
DEPTH 0.0'
Dieldrin 0.011 c
LANDFILL 4
LF4SO01
DEPTH 10.0'
Dieldrin <0.002
LF4TP01
DEPTH 3.0'
Dieldrin 0.013 c
0
LF4SS01
(Composite)
LF4SB03
5.0' 13.0'
<0.060 <0.006
LF4TP02
DEPTH 1.0'
Dieldrin 0.003 c
DAMES
LAND
CONCENTRATIONS
PSF26374
Date: January 1997



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF DIELDRIN IN SOIL

PSF26374

Date: January 1997

Figure 9.3-15

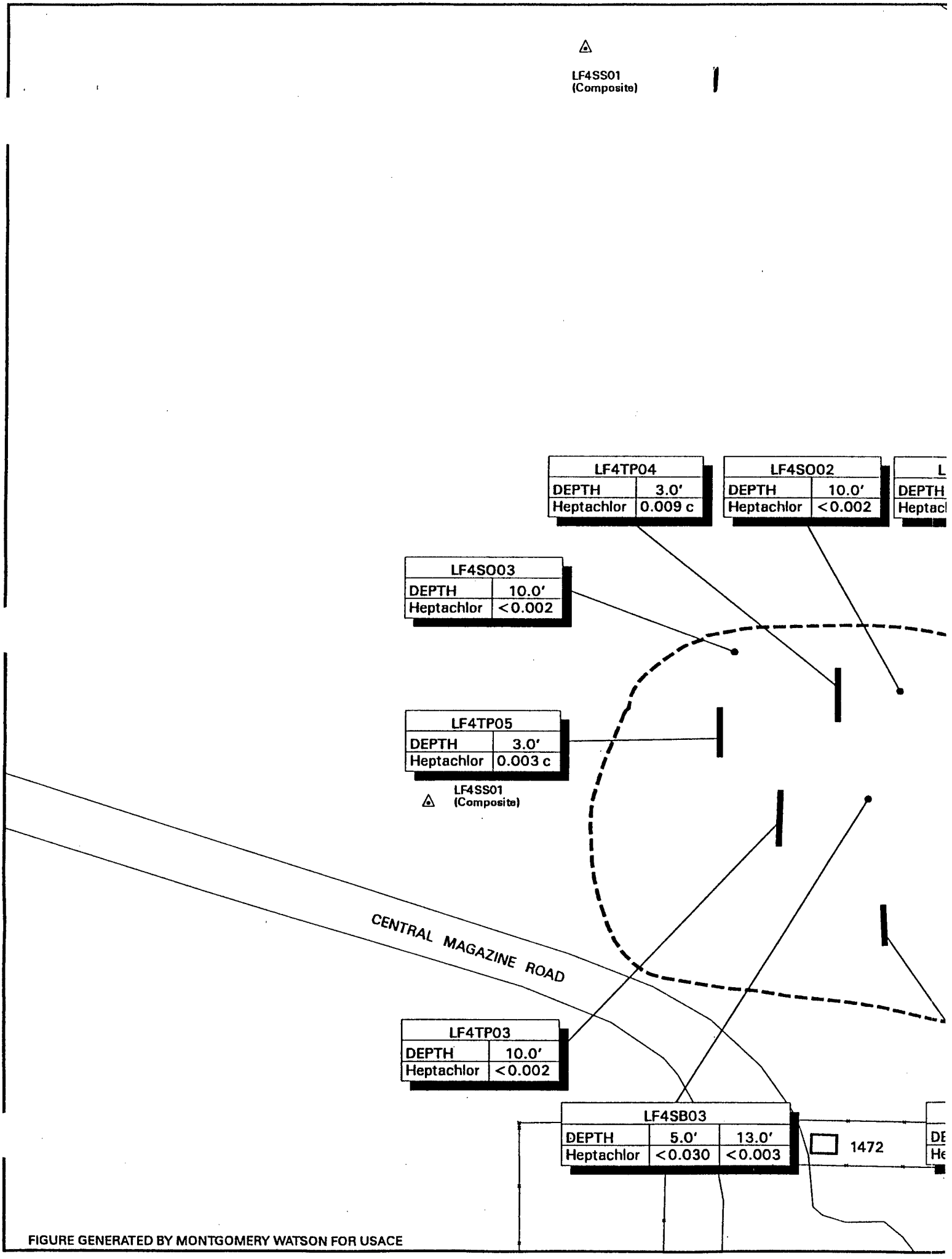
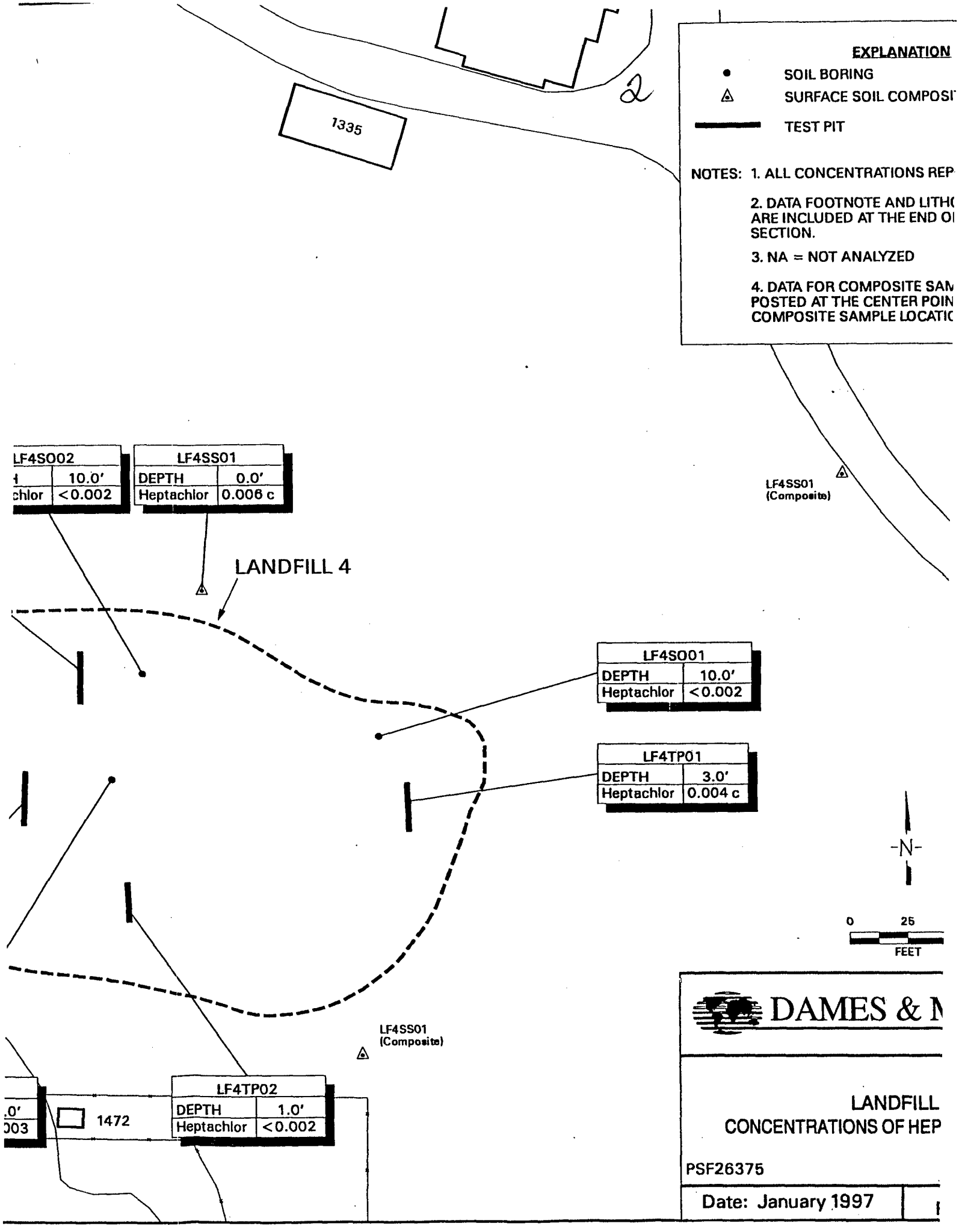


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSI
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITH(ARE INCLUDED AT THE END O SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAM POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATIC
1335
LF4SS01 (Composite)
LF4SO02
10.0'
<0.002
LF4SS01
DEPTH 0.0'
Heptachlor 0.006 c
LANDFILL 4
LF4SO01
DEPTH 10.0'
Heptachlor <0.002
LF4TP01
DEPTH 3.0'
Heptachlor 0.004 c
-N-
0 25
FEET
LF4SS01 (Composite)
LF4TP02
DEPTH 1.0'
Heptachlor <0.002
1472
DAMES & M
LANDFILL
CONCENTRATIONS OF HEP
PSF26375
Date: January 1997

3

EXPLANATION

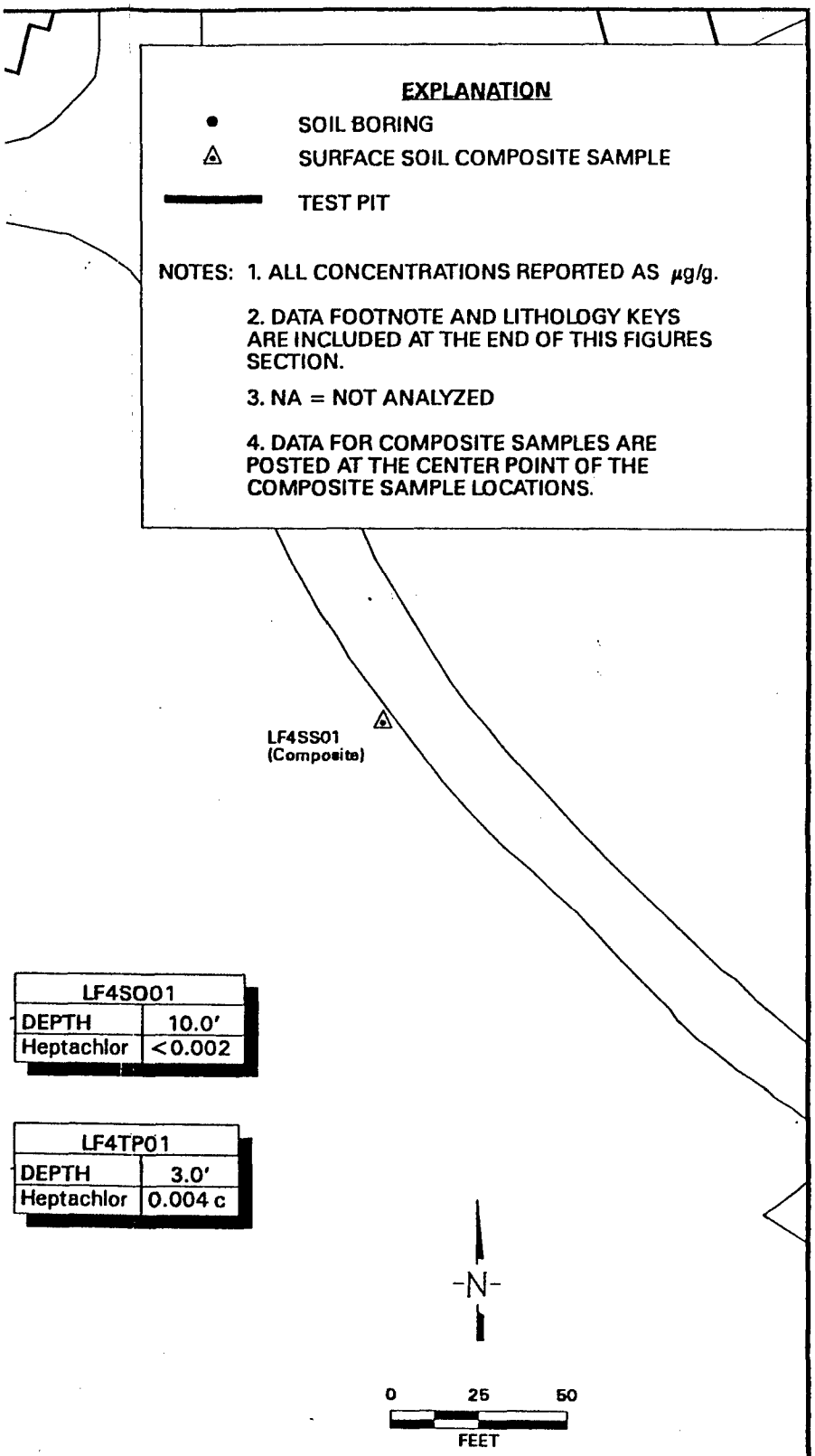
- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF HEPTACHLOR IN SOIL

PSF26375

Date: January 1997

Figure 9.3-16

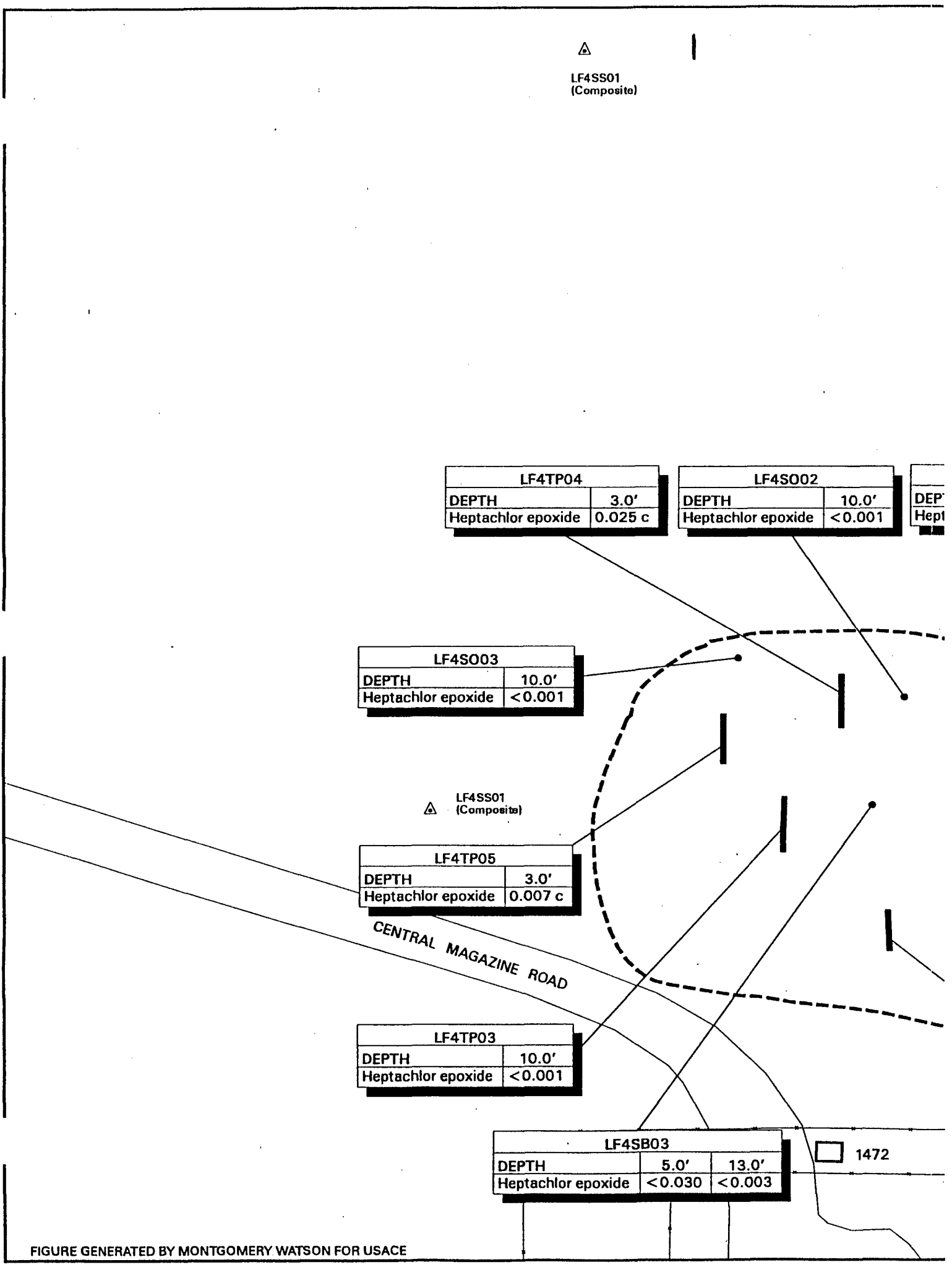
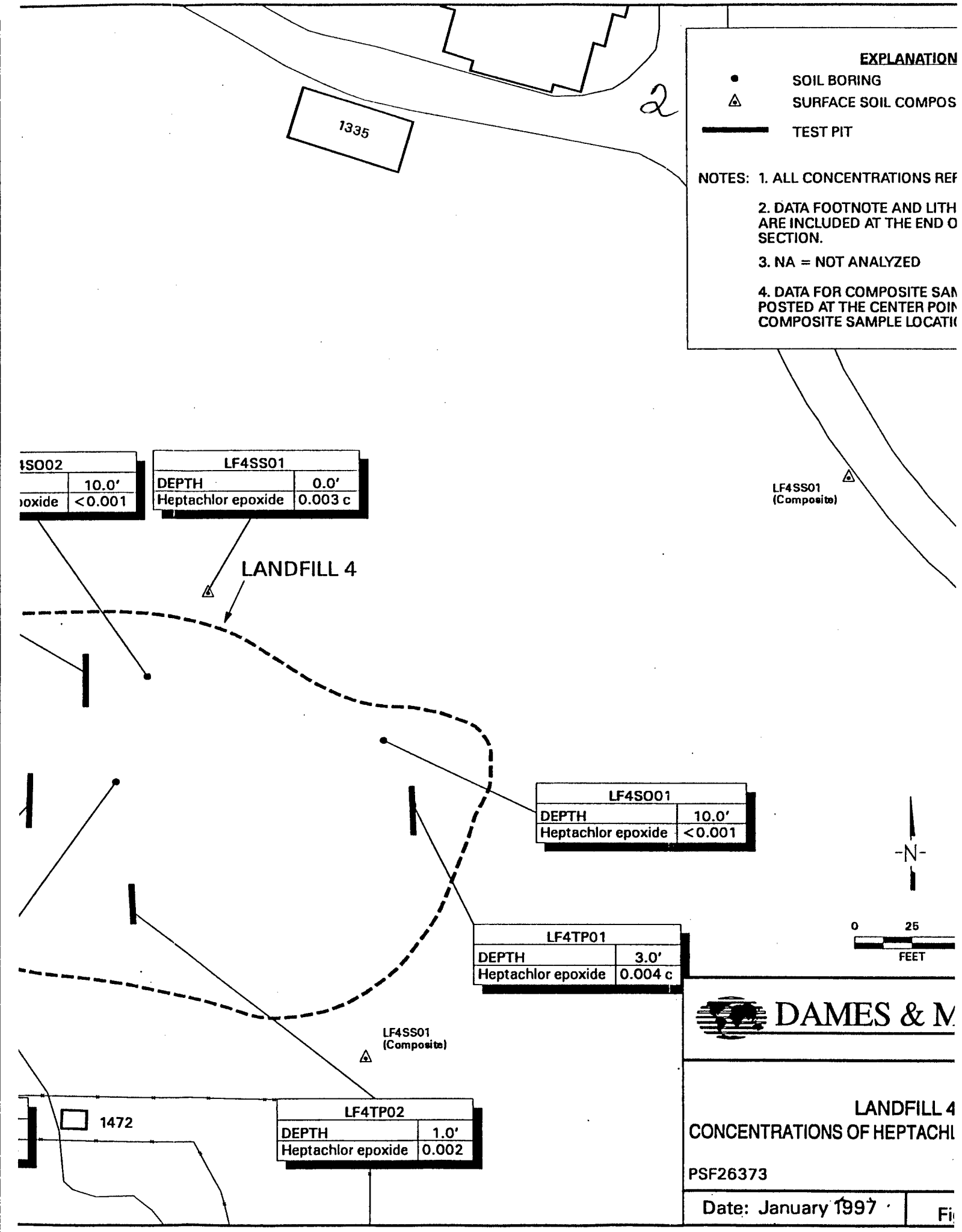
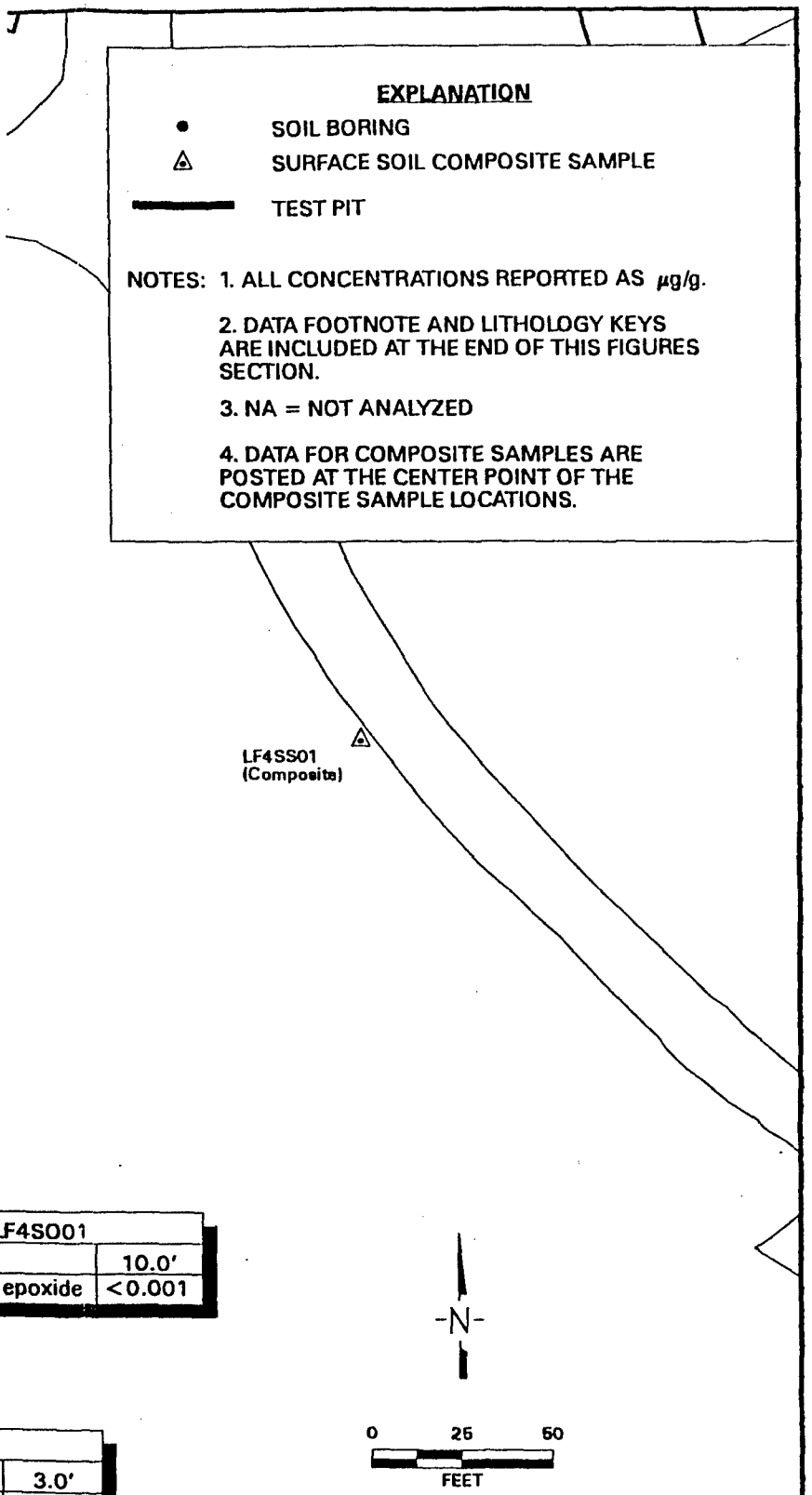


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 15:07:49 Monday, '7_v3.aml, plotfile base_LF4_5_41.grn. PSF


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOS
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAM POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATI
1335
2
LF4SS01 (Composite)
LANDFILL 4
LF4SO02
10.0'
oxide <0.001
LF4SS01
DEPTH 0.0'
Heptachlor epoxide 0.003 c
LF4SO01
DEPTH 10.0'
Heptachlor epoxide <0.001
LF4TP01
DEPTH 3.0'
Heptachlor epoxide 0.004 c
LF4SS01 (Composite)
1472
LF4TP02
DEPTH 1.0'
Heptachlor epoxide 0.002
-N-
0 25
FEET
DAMES & M
LANDFILL 4
CONCENTRATIONS OF HEPTACHL
PSF26373
Date: January 1997



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF HEPTACHLOR-EPOXIDE IN SOIL

PSF26373

Date: January 1997

Figure 9.3-17

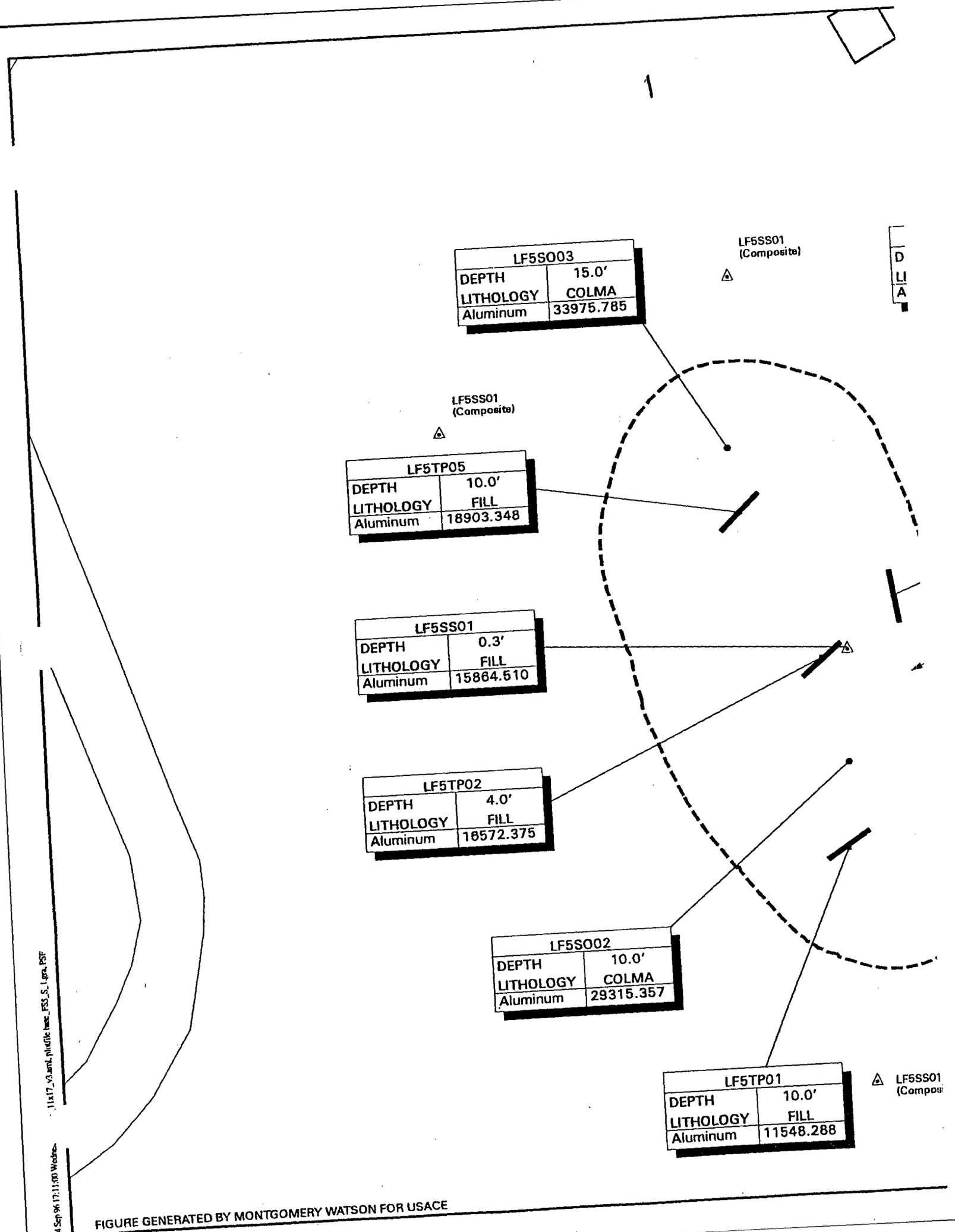
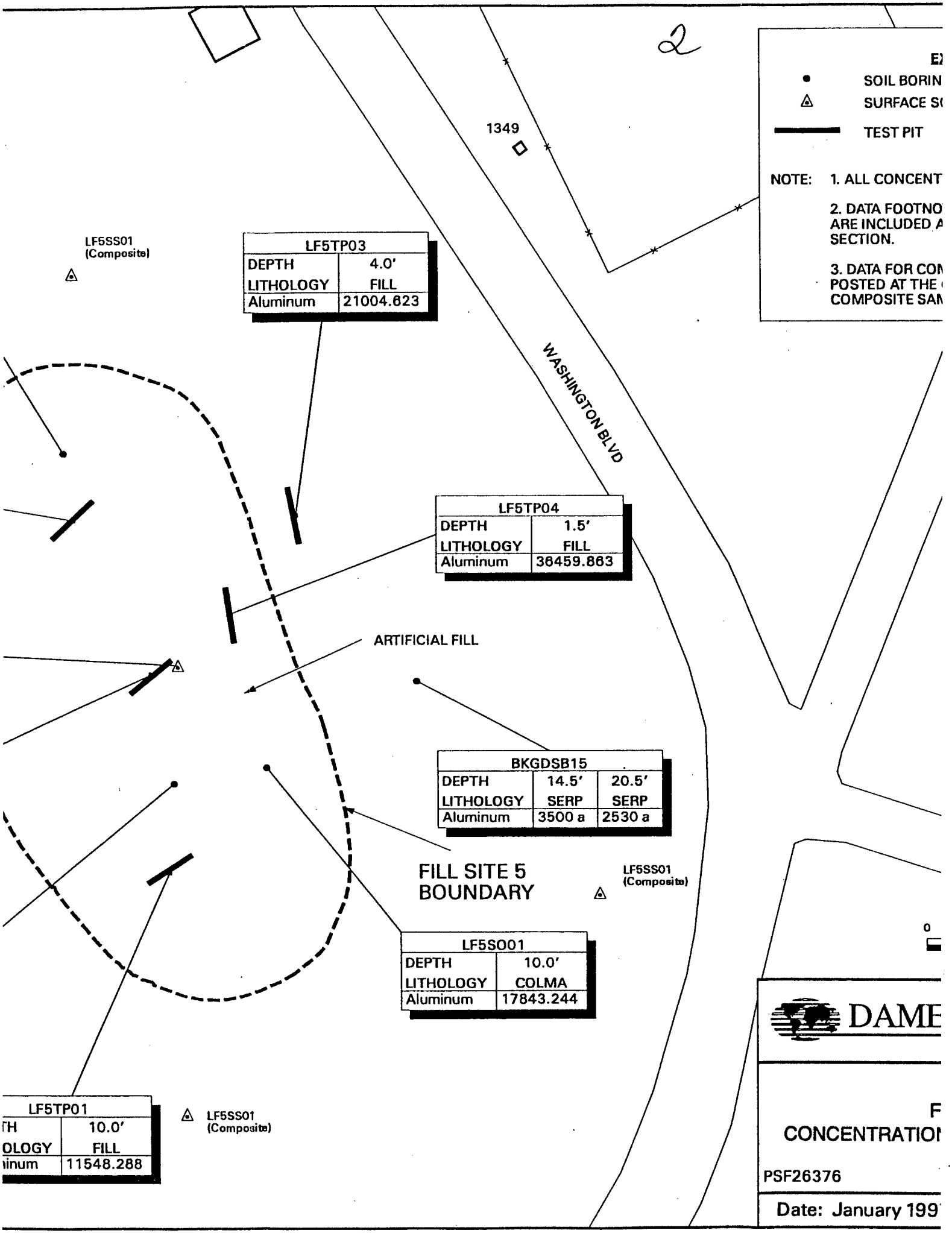
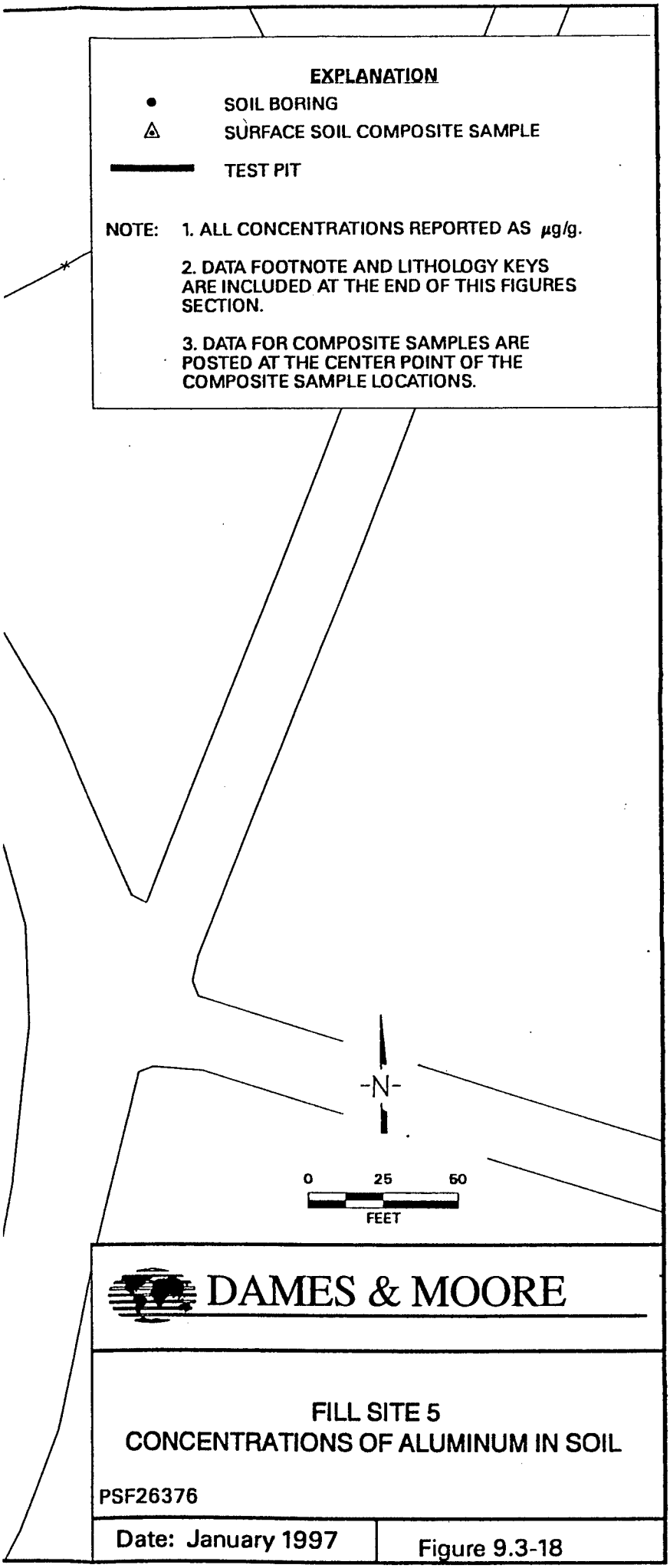


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
1349
WASHINGTON BLVD
LF5SS01
(Composite)
LF5TP03
DEPTH 4.0'
LITHOLOGY FILL
Aluminum 21004.623
LF5TP04
DEPTH 1.5'
LITHOLOGY FILL
Aluminum 36459.863
ARTIFICIAL FILL
BKGDSB15
DEPTH 14.5' 20.5'
LITHOLOGY SERP SERP
Aluminum 3500 a 2530 a
FILL SITE 5
BOUNDARY
LF5SS01
(Composite)
LF5SO01
DEPTH 10.0'
LITHOLOGY COLMA
Aluminum 17843.244
LF5TP01
TH 10.0'
OLOGY FILL
inum 11548.288
LF5SS01
(Composite)
SOIL BORIN
SURFACE S
TEST PIT
NOTE: 1. ALL CONCENT
2. DATA FOOTNO
ARE INCLUDED A
SECTION.
3. DATA FOR CON
POSTED AT THE
COMPOSITE SAM
DAME
F
CONCENTRATIO
PSF26376
Date: January 199



DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26376

Date: January 1997

Figure 9.3-18

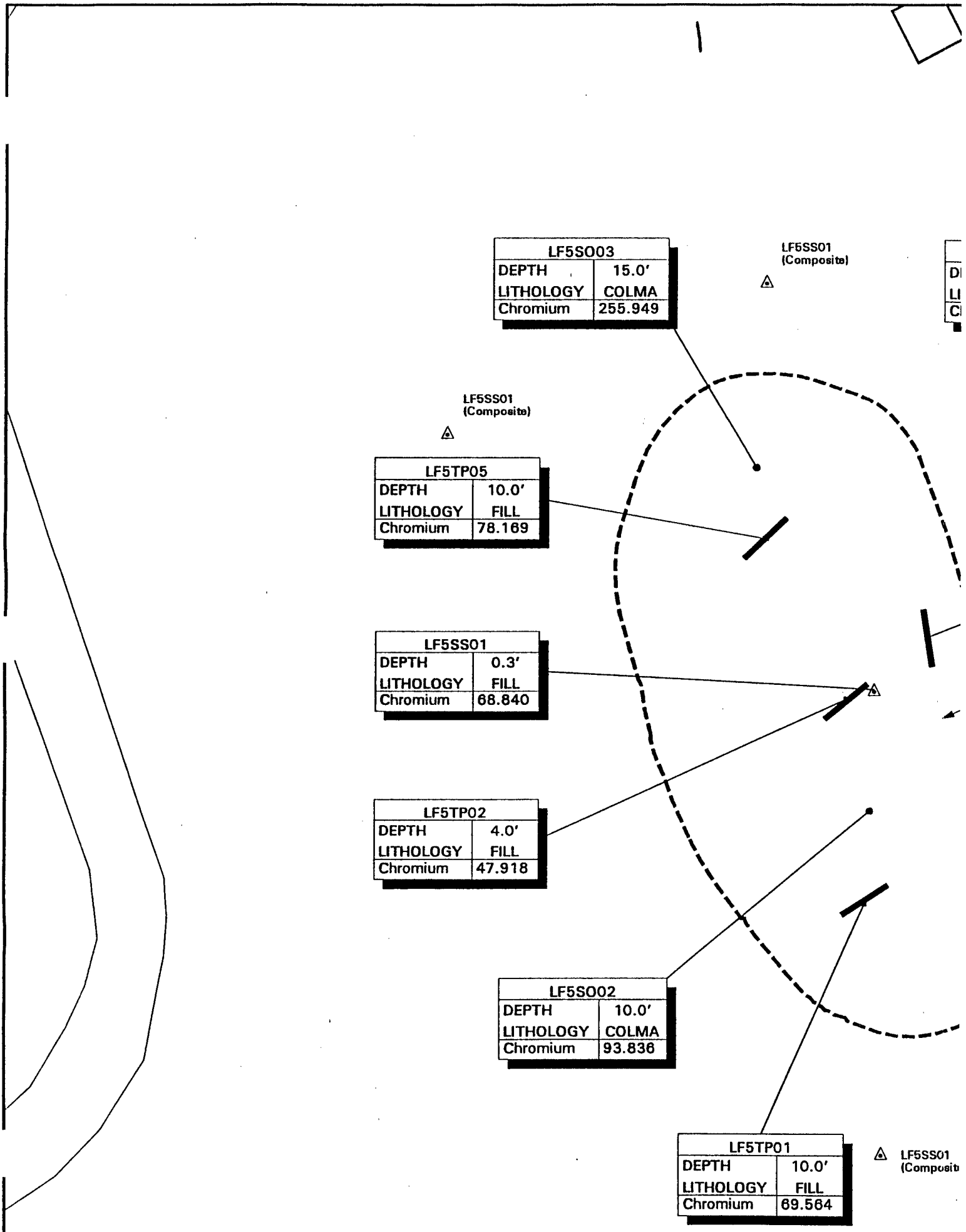
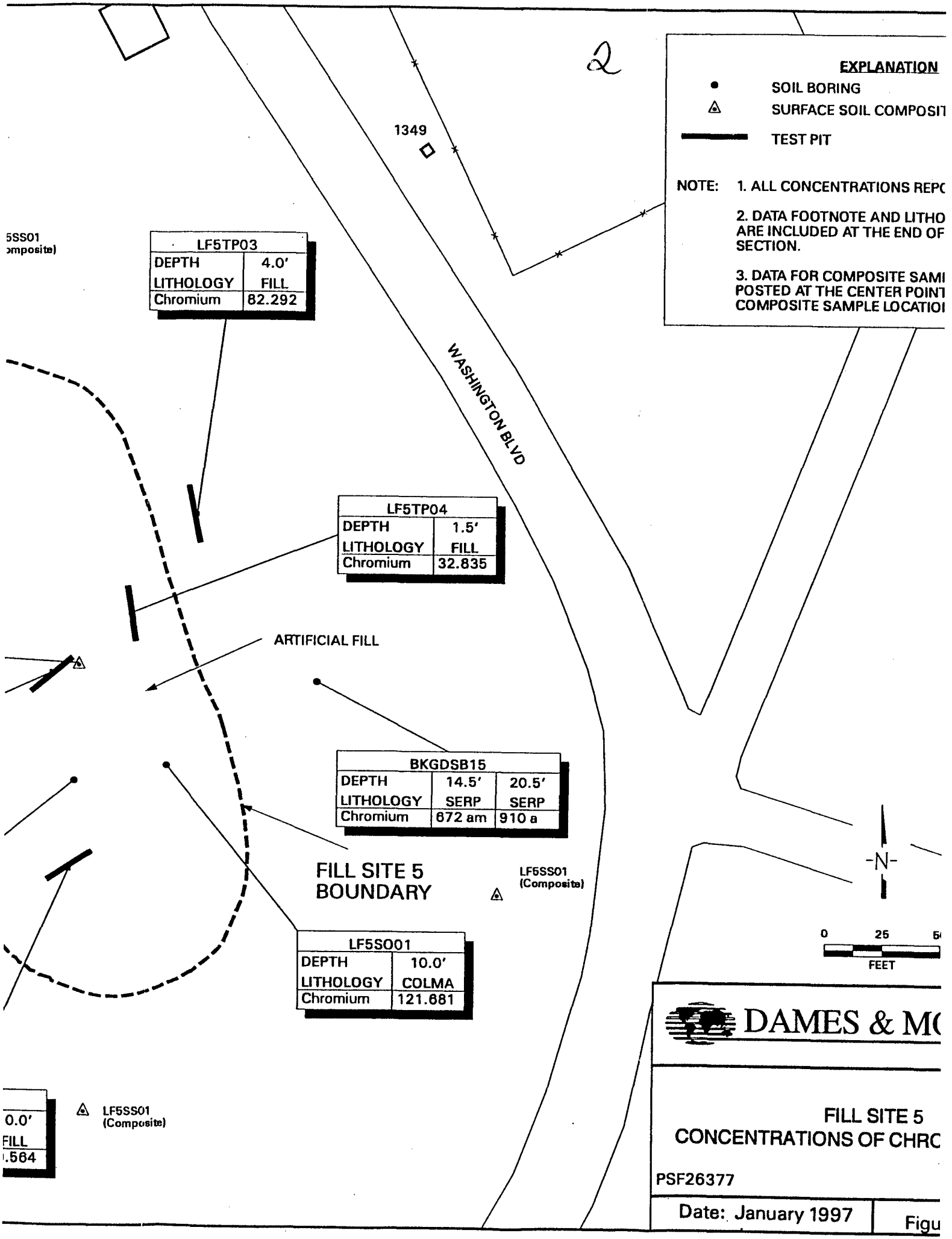


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 16:37:51 Wadner 11x17_v3.ami, plotfile base_FS3_S_7.gra, PSF


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSIT
TEST PIT
NOTE: 1. ALL CONCENTRATIONS REPC
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
3. DATA FOR COMPOSITE SAMI POSTED AT THE CENTER POINT COMPOSITE SAMPLE LOCATIOI
1349
WASHINGTON BLVD
5SS01 omposite)
LF5TP03
DEPTH 4.0'
LITHOLOGY FILL
Chromium 82.292
LF5TP04
DEPTH 1.5'
LITHOLOGY FILL
Chromium 32.835
ARTIFICIAL FILL
BKGDSB15
DEPTH 14.5' 20.5'
LITHOLOGY SERP SERP
Chromium 672 am 910 a
FILL SITE 5 BOUNDARY
LF6SS01 (Composite)
LF5SO01
DEPTH 10.0'
LITHOLOGY COLMA
Chromium 121.681
-N-
0 25
FEET
0.0'
FILL
.564
LF5SS01 (Composite)
DAMES & MC
FILL SITE 5
CONCENTRATIONS OF CHRC
PSF26377
Date: January 1997
Figu

3

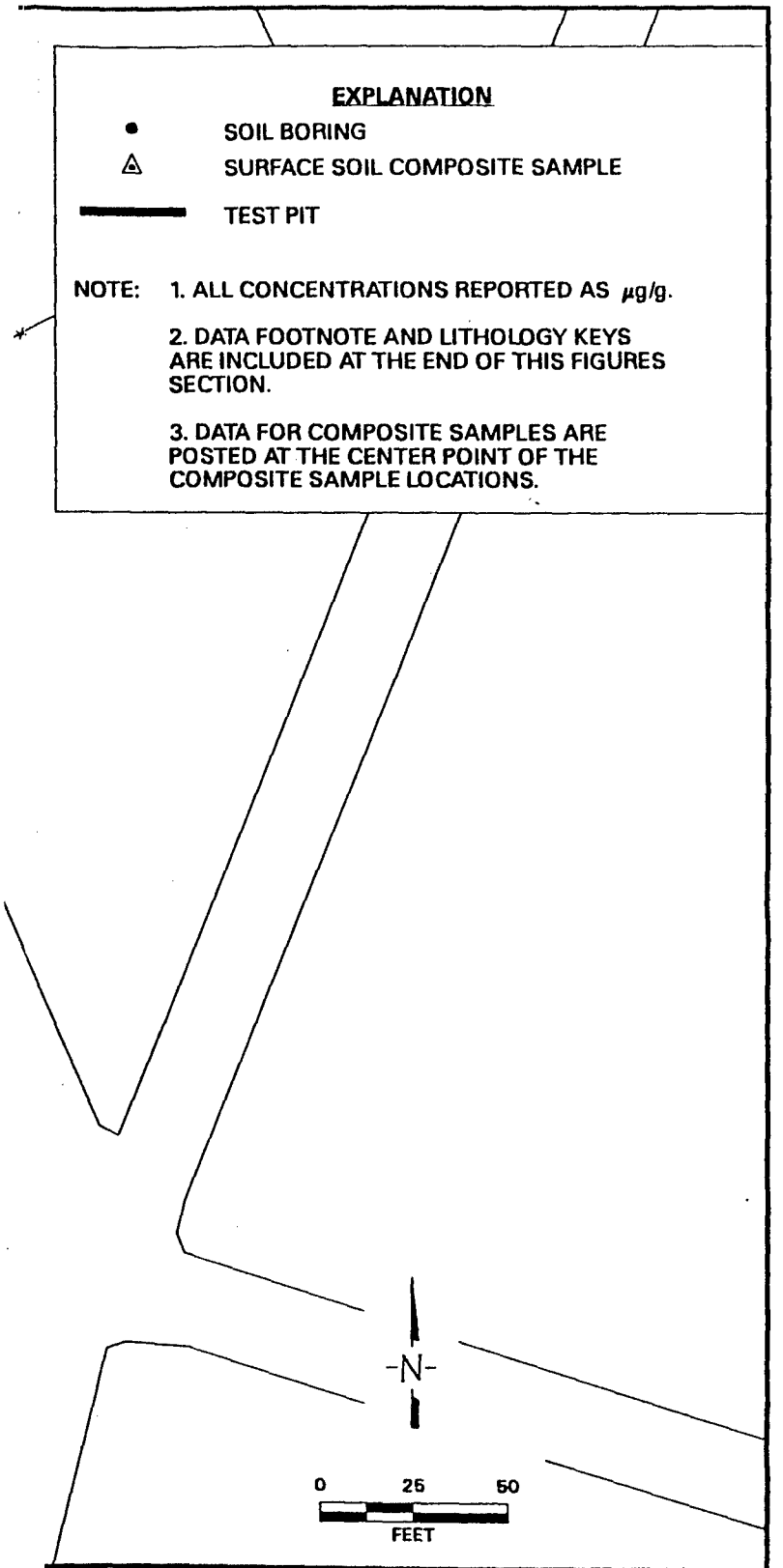
EXPLANATION

- ● SOIL BORING
- ◬ SURFACE SOIL COMPOSITE SAMPLE
- ▬ TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26377

Date: January 1997

Figure 9.3-19

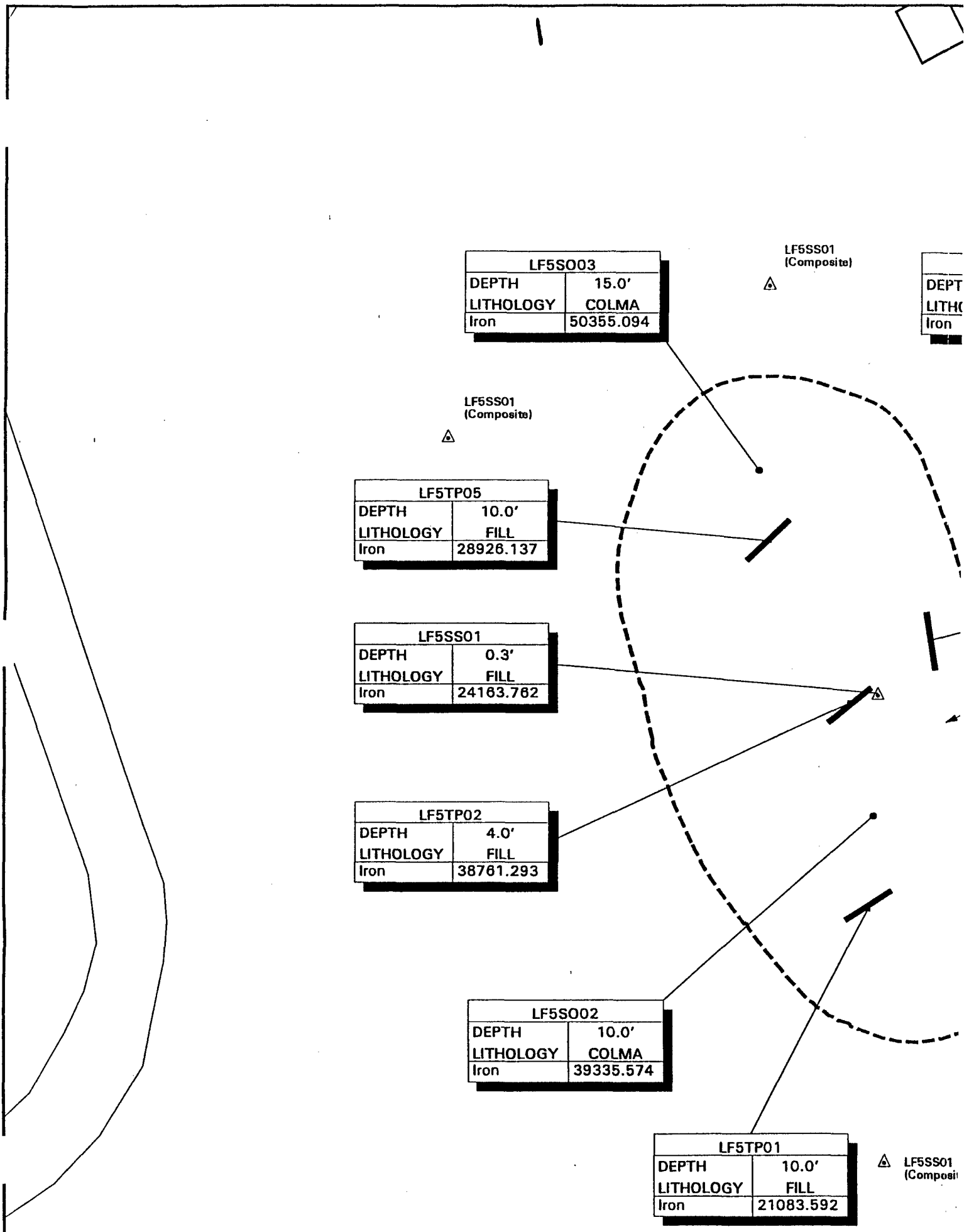
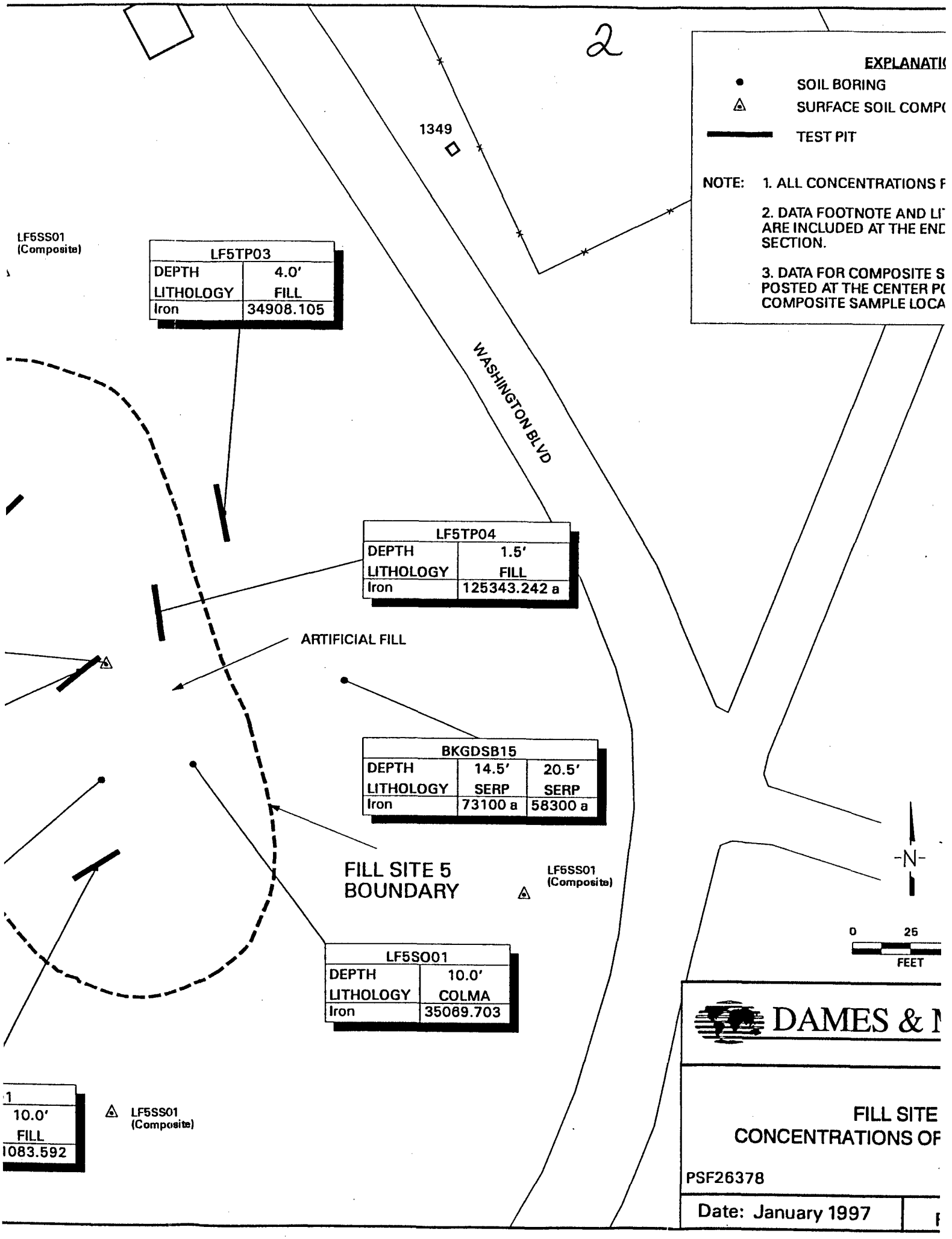
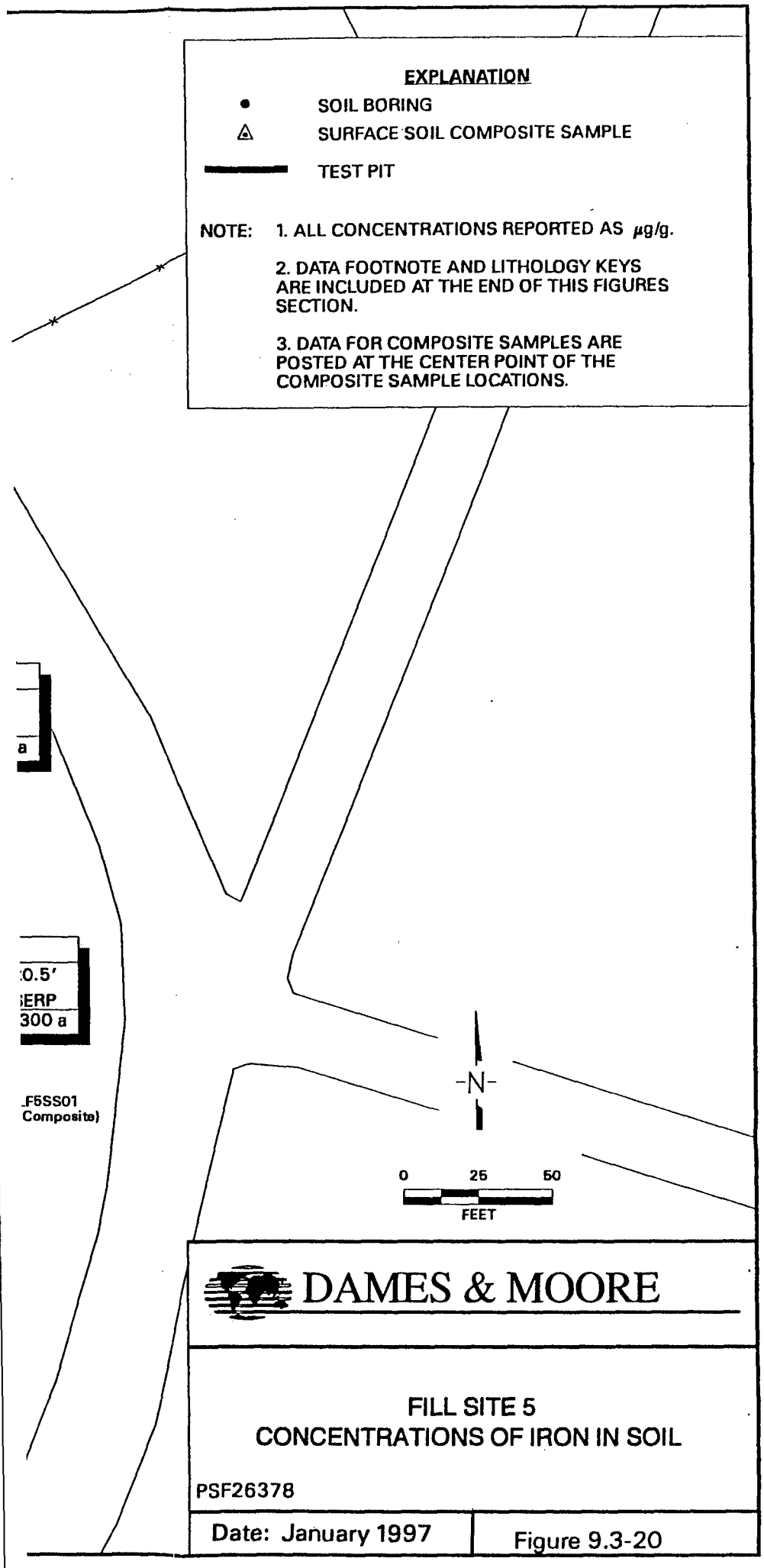


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 16:39:15 Wedner 11x17_v3.amt, pltstfile here_FS5_S_11.gra, PSF


2
EXPLANATI
SOIL BORING
SURFACE SOIL COMP
TEST PIT
NOTE: 1. ALL CONCENTRATIONS F
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.
3. DATA FOR COMPOSITE S
POSTED AT THE CENTER P
COMPOSITE SAMPLE LOCA
1349
WASHINGTON BLVD
LF5SS01 (Composite)
LF5TP03
DEPTH 4.0'
LITHOLOGY FILL
Iron 34908.105
LF5TP04
DEPTH 1.5'
LITHOLOGY FILL
Iron 125343.242 a
ARTIFICIAL FILL
BKGDSB15
DEPTH 14.5' 20.5'
LITHOLOGY SERP SERP
Iron 73100 a 58300 a
FILL SITE 5
BOUNDARY
LF5SS01 (Composite)
LF5SO01
DEPTH 10.0'
LITHOLOGY COLMA
Iron 35069.703
10.0'
FILL
1083.592
LF5SS01 (Composite)
N
0 25
FEET
DAMES &
FILL SITE
CONCENTRATIONS OF
PSF26378
Date: January 1997

3



DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF IRON IN SOIL

PSF26378

Date: January 1997

Figure 9.3-20

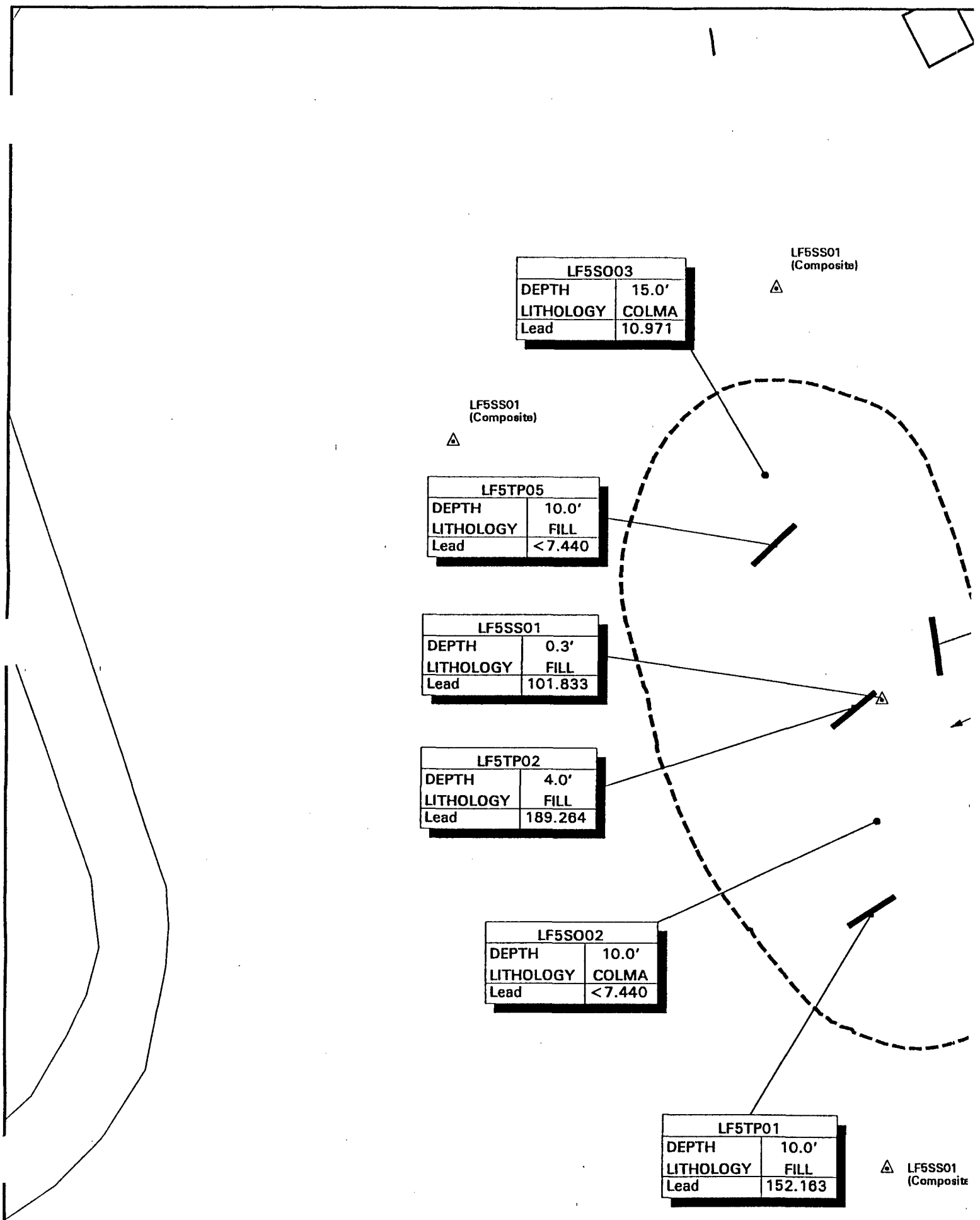
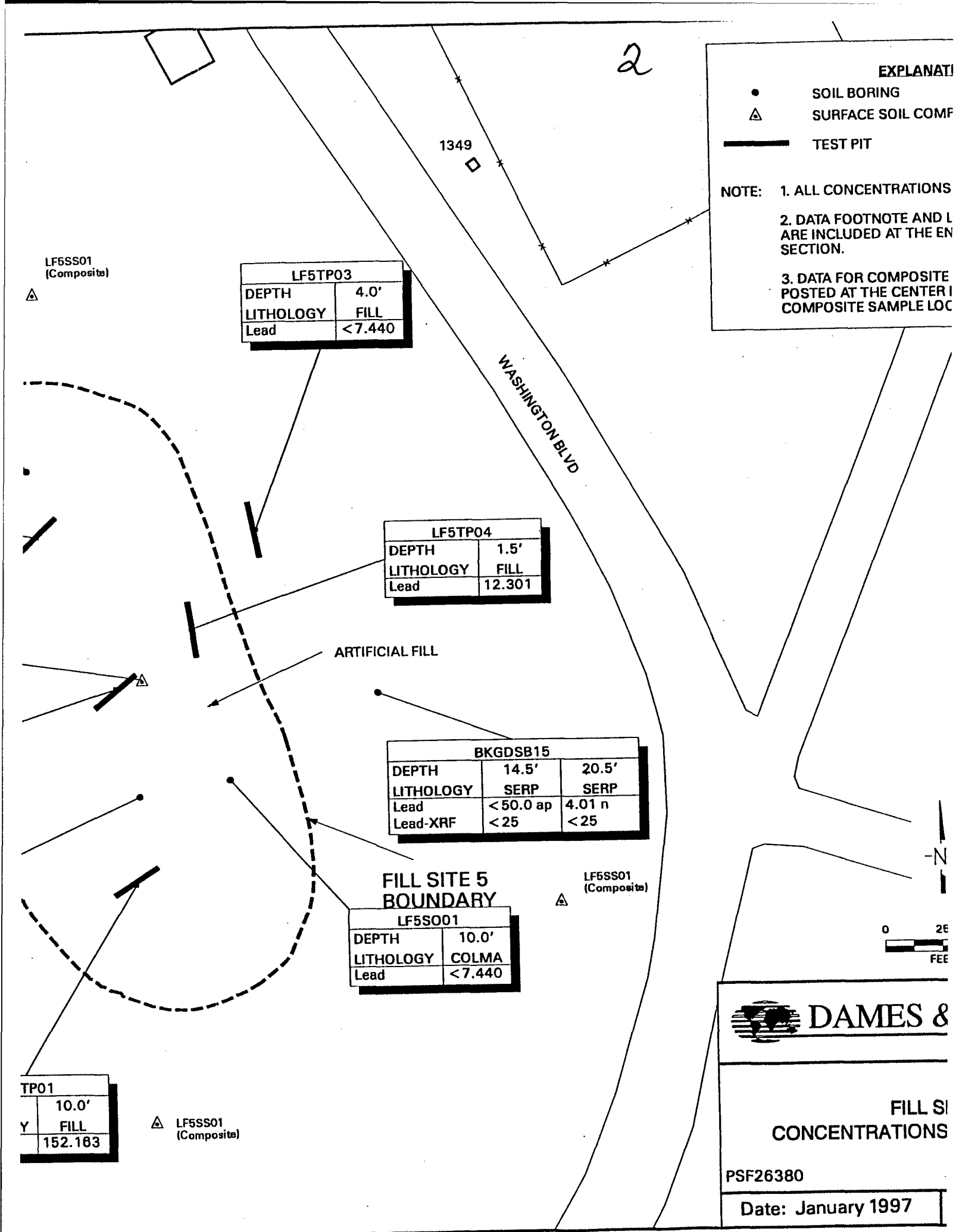
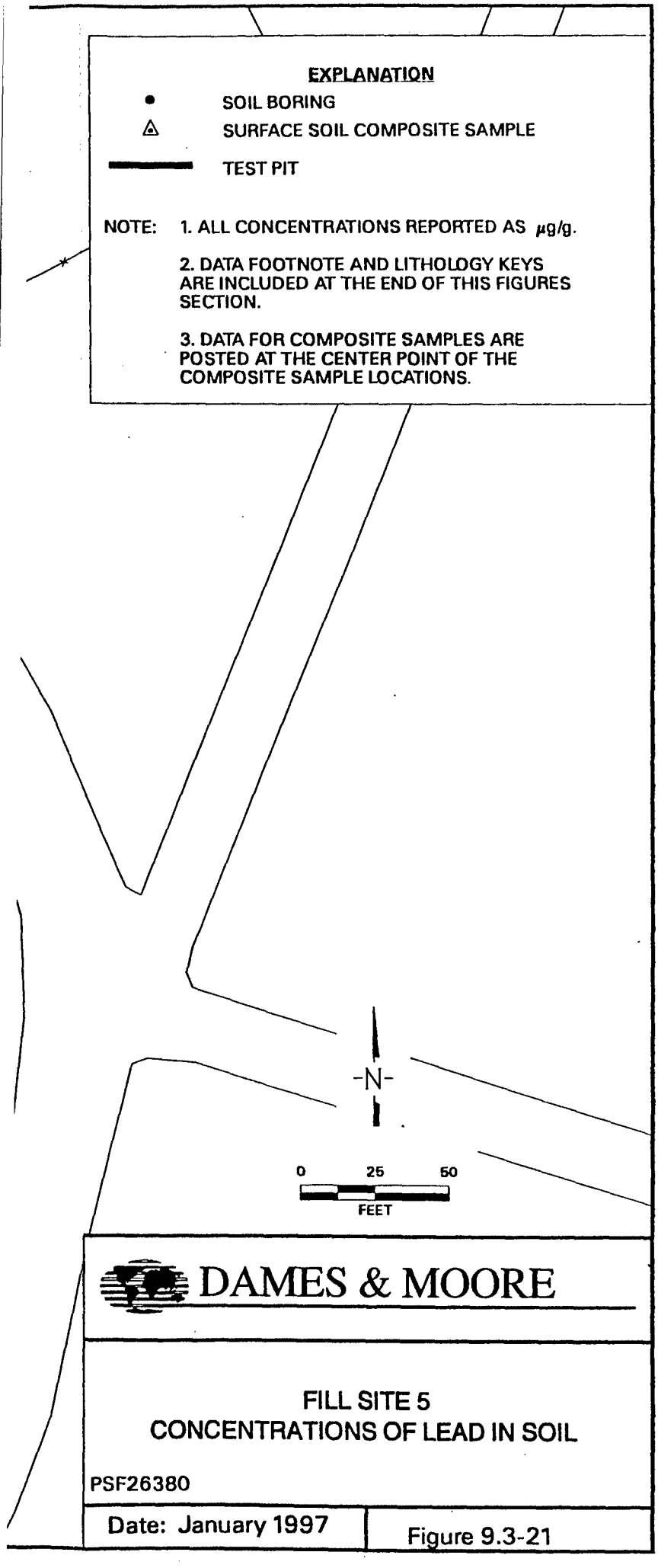


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 16:40:38 Wednesday 11x17_v3.aml, plotfile base_P33_S_12.gra, PSF


2
EXPLANATI
SOIL BORING
SURFACE SOIL COMF
TEST PIT
NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND L
ARE INCLUDED AT THE EN
SECTION.
3. DATA FOR COMPOSITE
POSTED AT THE CENTER I
COMPOSITE SAMPLE LOC
1349
WASHINGTON BLVD
LF6SS01
(Composite)
LF5TP03
DEPTH 4.0'
LITHOLOGY FILL
Lead <7.440
LF5TP04
DEPTH 1.5'
LITHOLOGY FILL
Lead 12.301
ARTIFICIAL FILL
BKGDSB15
DEPTH 14.5' 20.5'
LITHOLOGY SERP SERP
Lead <50.0 ap 4.01 n
Lead-XRF <25 <25
FILL SITE 5
BOUNDARY
LF5SS01
(Composite)
LF5SO01
DEPTH 10.0'
LITHOLOGY COLMA
Lead <7.440
TP01
10.0'
Y FILL
152.163
LF5SS01
(Composite)
0
25
FEE
DAMES &
FILL SI
CONCENTRATIONS
PSF26380
Date: January 1997

3



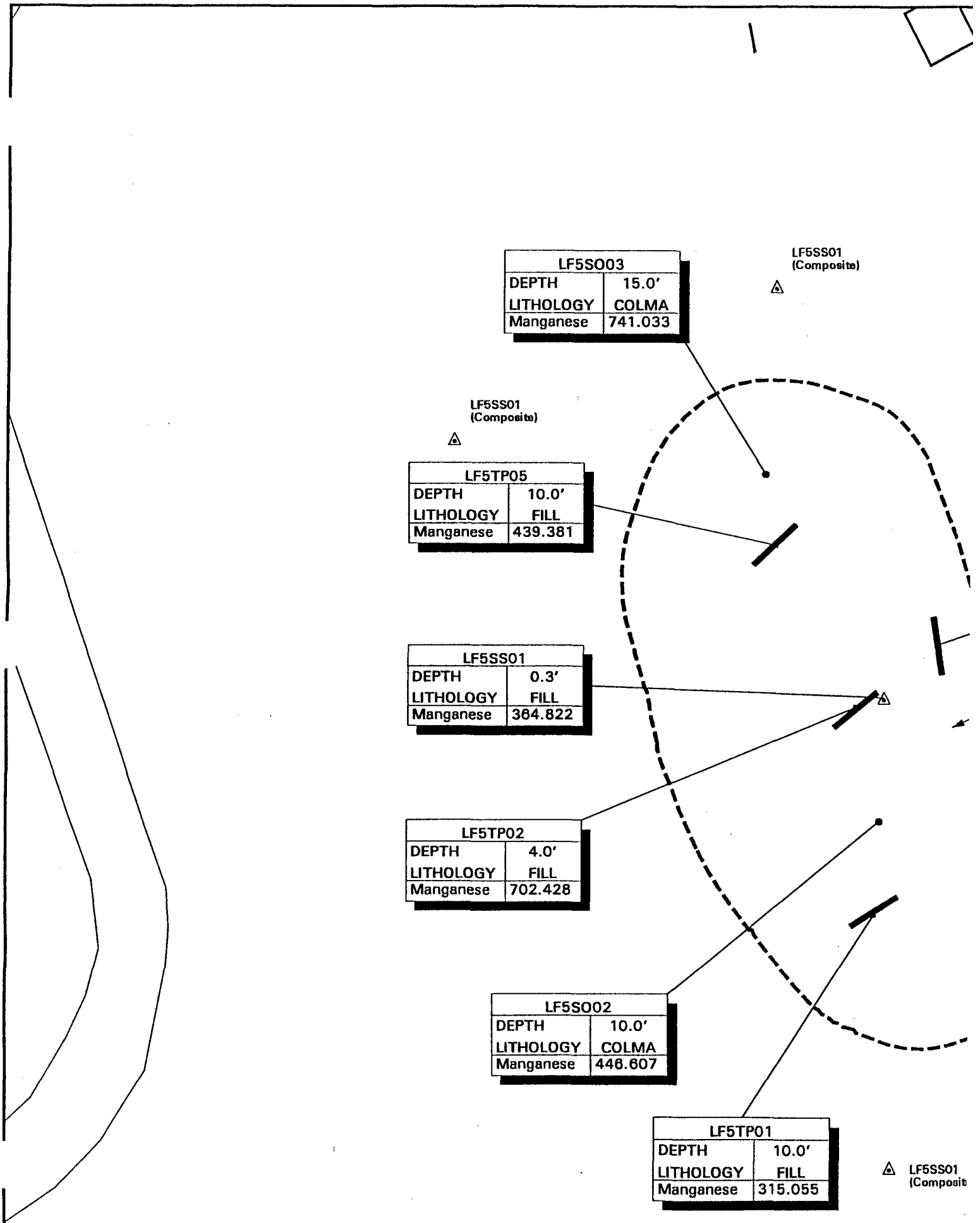
DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF LEAD IN SOIL

PSF26380

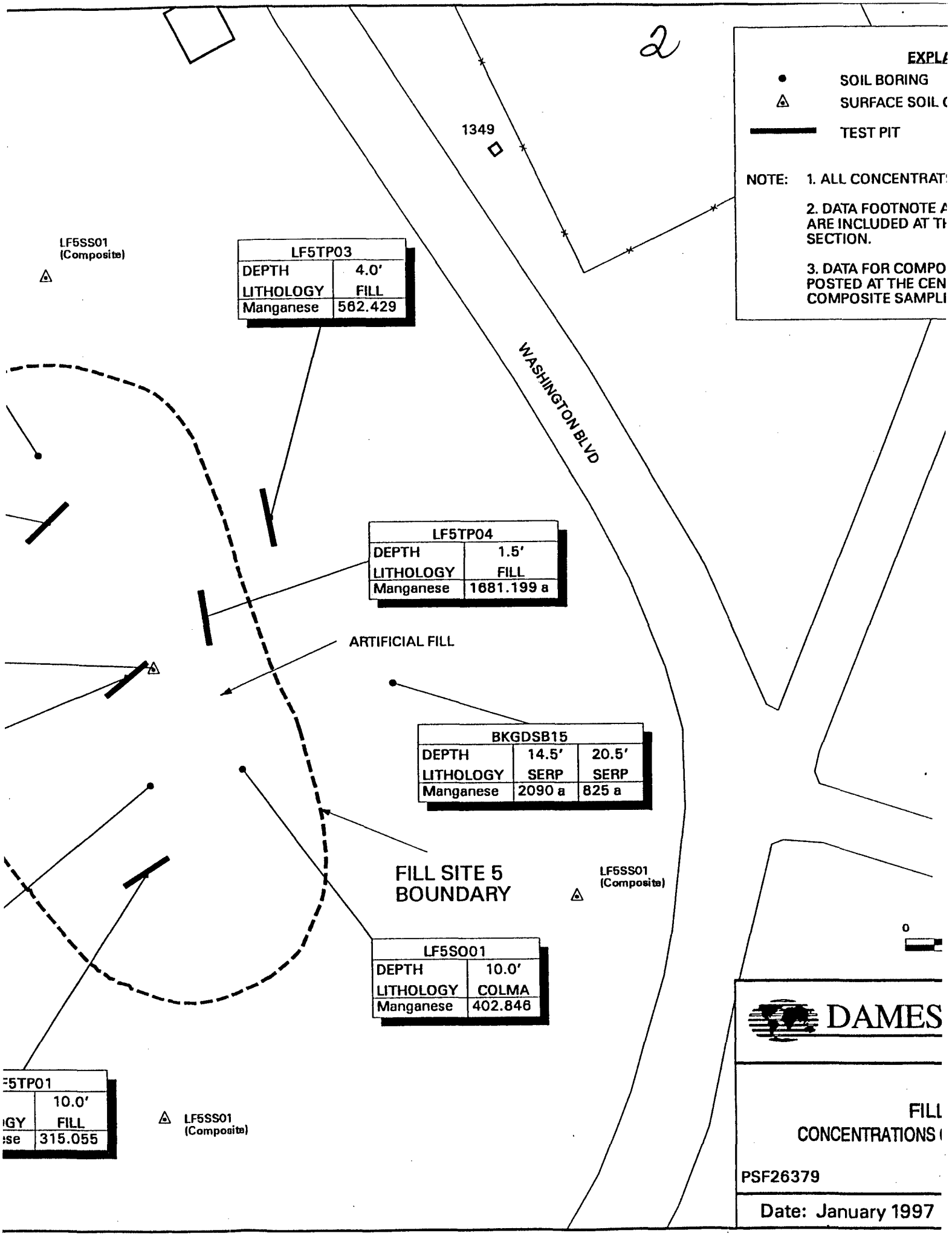
Date: January 1997

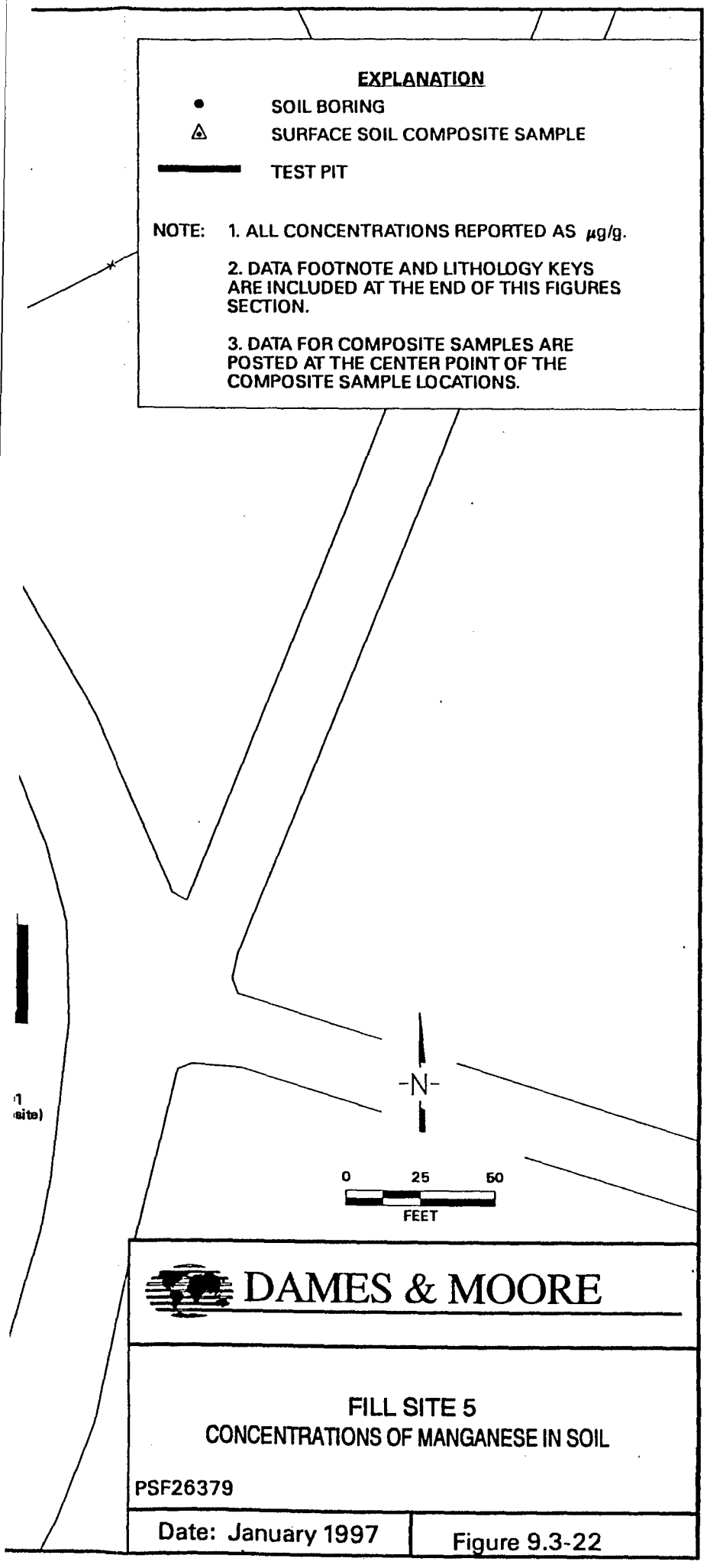
Figure 9.3-21



04 Sep 96 16:42:00 Wednes 11x17_v3.aml, pltutfile here_FS5_S_14.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPL
SOIL BORING
SURFACE SOIL
TEST PIT
NOTE: 1. ALL CONCENTRAT
2. DATA FOOTNOTE A
ARE INCLUDED AT TH
SECTION.
3. DATA FOR COMPO
POSTED AT THE CEN
COMPOSITE SAMPLI
1349
WASHINGTON BLVD
LF5SS01
(Composite)
LF5TP03
DEPTH 4.0'
LITHOLOGY FILL
Manganese 562.429
LF5TP04
DEPTH 1.5'
LITHOLOGY FILL
Manganese 1681.199 a
ARTIFICIAL FILL
BKGDSB15
DEPTH 14.5' 20.5'
LITHOLOGY SERP SERP
Manganese 2090 a 825 a
FILL SITE 5
BOUNDARY
LF5SS01
(Composite)
LF5SO01
DEPTH 10.0'
LITHOLOGY COLMA
Manganese 402.846
5TP01
10.0'
GY FILL
se 315.055
LF5SS01
(Composite)
0
DAMES
FILL
CONCENTRATIONS
PSF26379
Date: January 1997


EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSITE SAMPLE
TEST PIT
NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
-N-
0 25 50
FEET
DAMES & MOORE
FILL SITE 5
CONCENTRATIONS OF MANGANESE IN SOIL
PSF26379
Date: January 1997
Figure 9.3-22

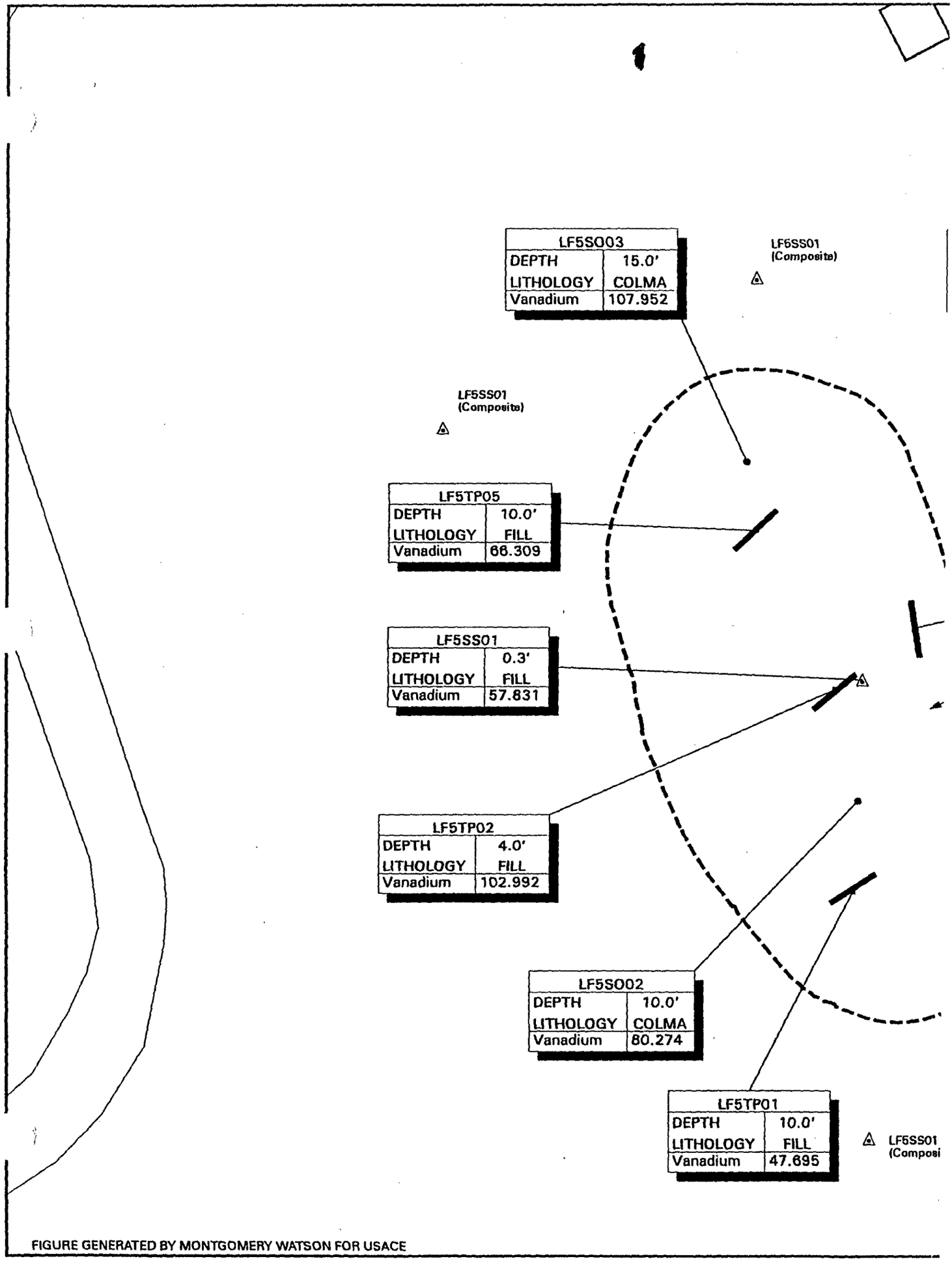
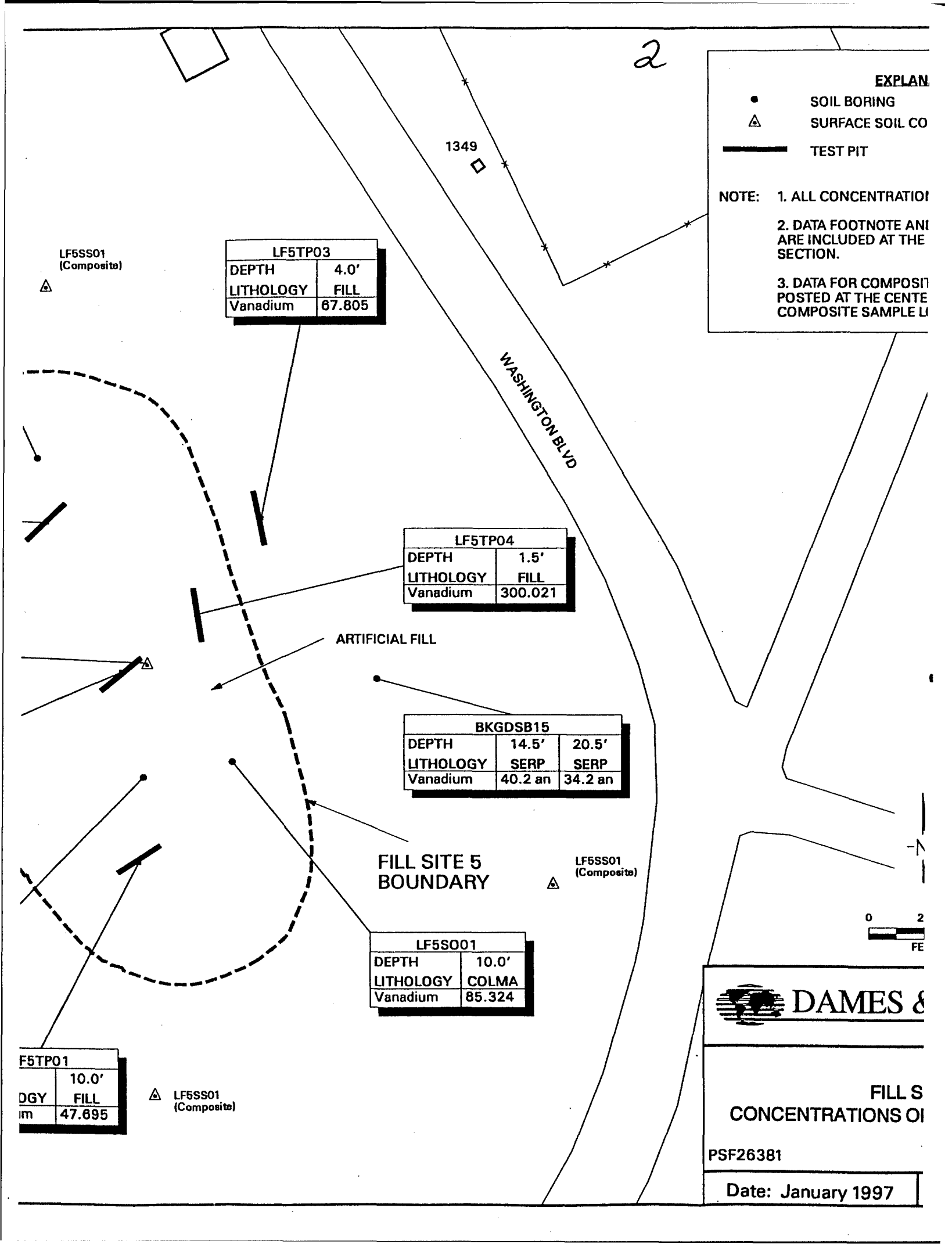
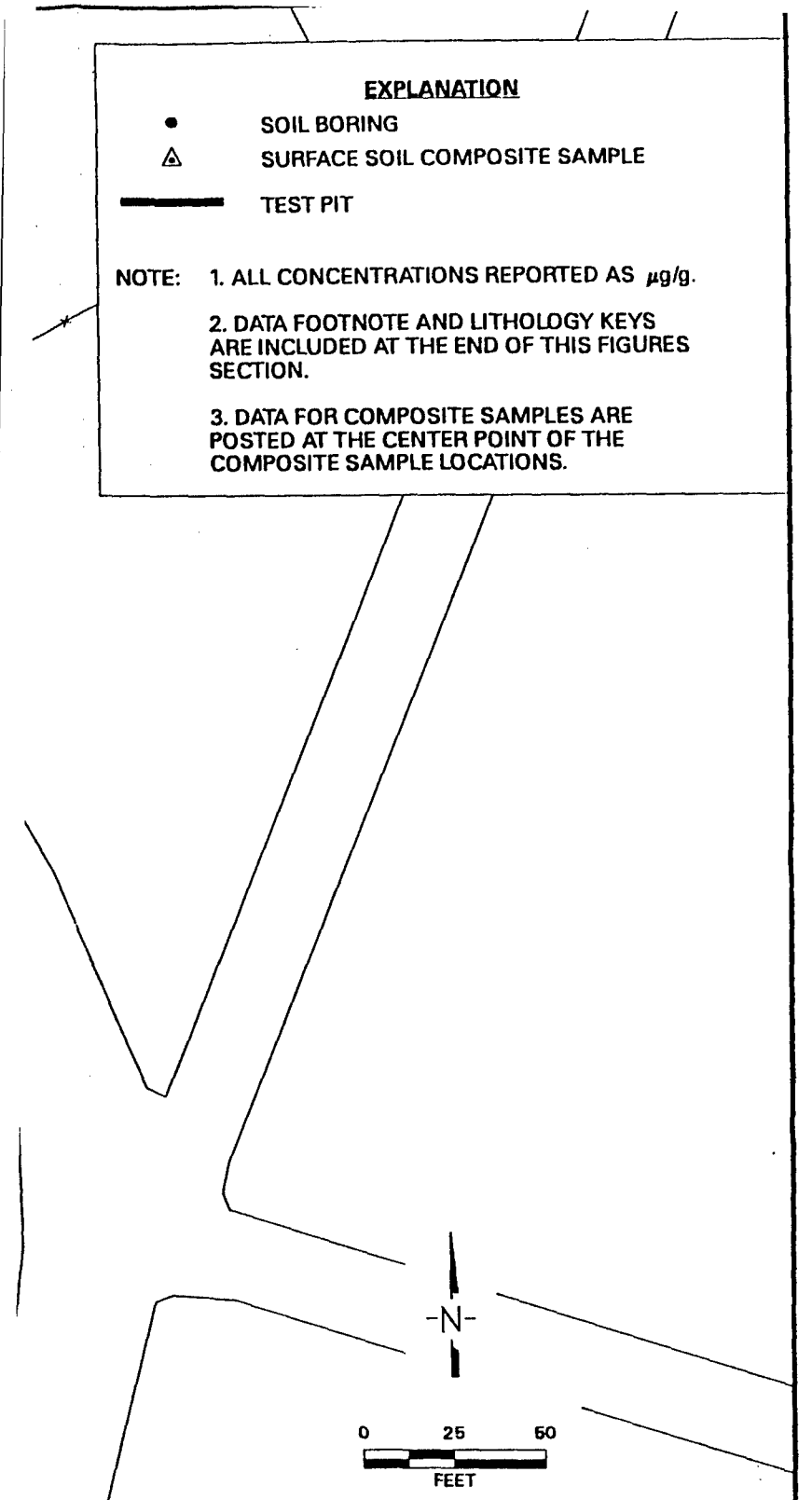


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLAN
SOIL BORING
SURFACE SOIL CO
TEST PIT
NOTE: 1. ALL CONCENTRATIOI
2. DATA FOOTNOTE ANI ARE INCLUDED AT THE SECTION.
3. DATA FOR COMPOSIT POSTED AT THE CENTE COMPOSITE SAMPLE LI
1349
WASHINGTON BLVD
LF6SS01 (Composite)
LF5TP03
DEPTH 4.0'
LITHOLOGY FILL
Vanadium 67.805
LF5TP04
DEPTH 1.5'
LITHOLOGY FILL
Vanadium 300.021
ARTIFICIAL FILL
BKGDSB15
DEPTH 14.5' 20.5'
LITHOLOGY SERP SERP
Vanadium 40.2 an 34.2 an
FILL SITE 5 BOUNDARY
LF6SS01 (Composite)
LF5SO01
DEPTH 10.0'
LITHOLOGY COLMA
Vanadium 85.324
F5TP01
10.0'
DGY FILL
Im 47.695
LF5SS01 (Composite)
0 2
FE
DAMES &
FILL S
CONCENTRATIONS OI
PSF26381
Date: January 1997

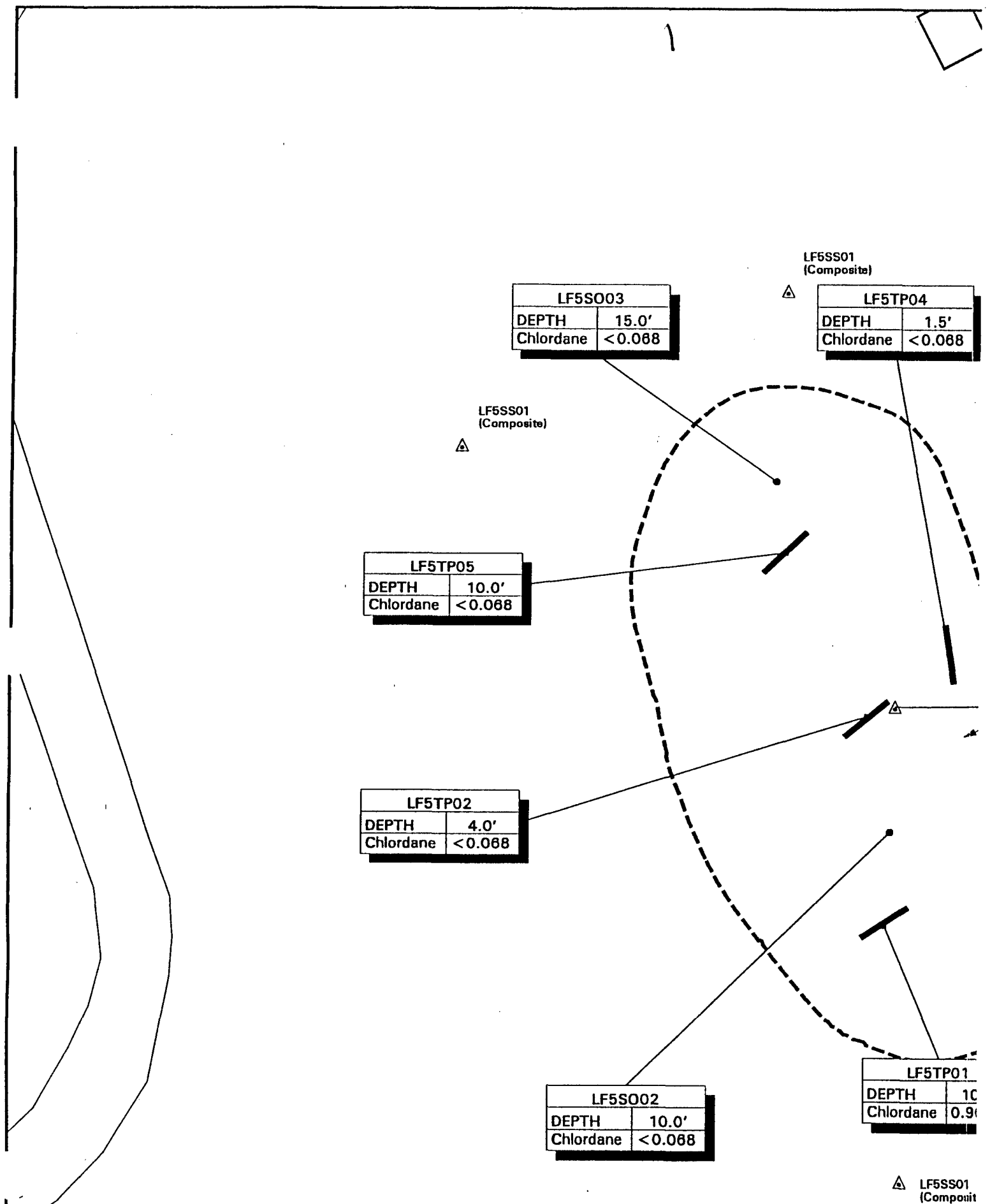


DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF VANADIUM IN SOIL

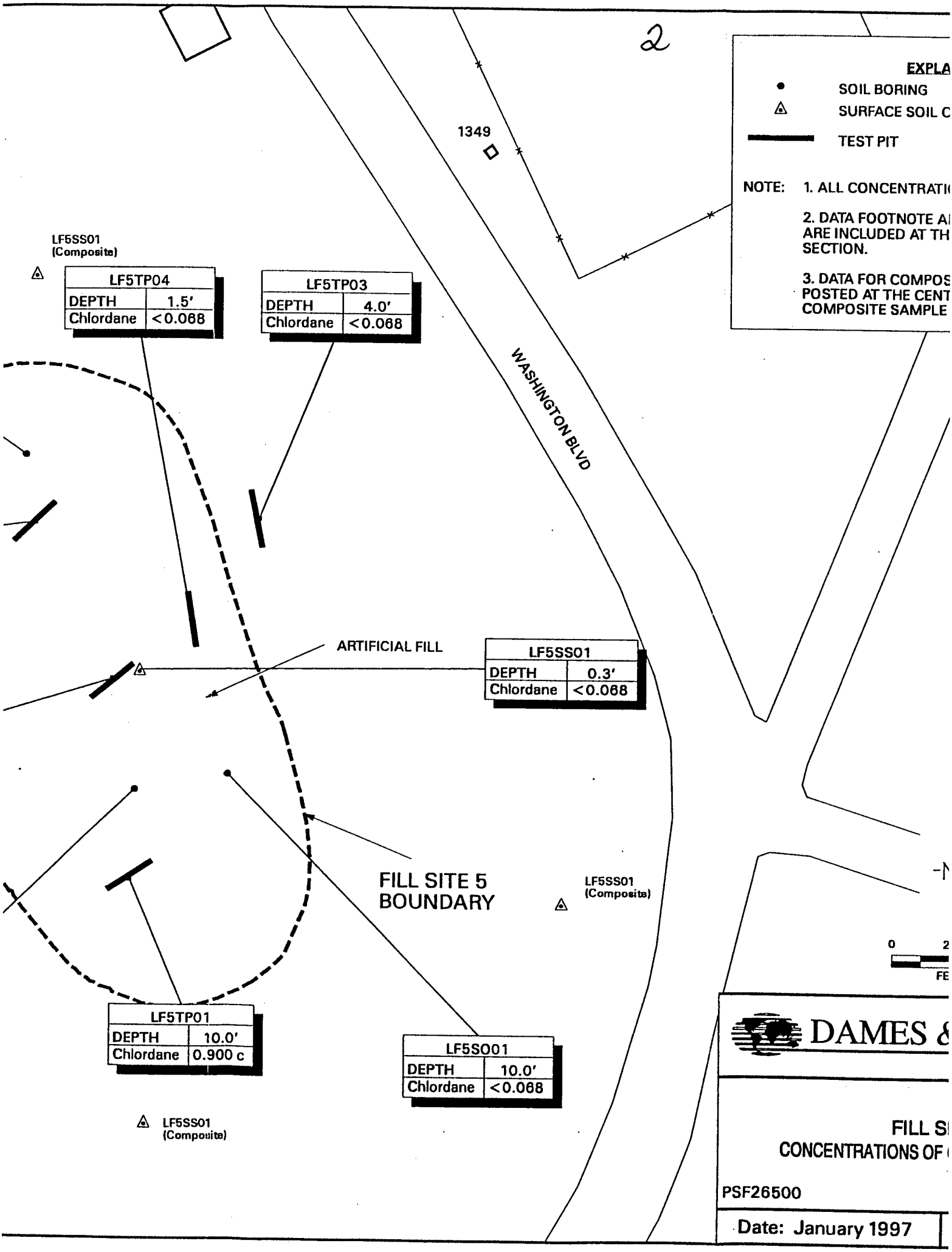
PSF26381

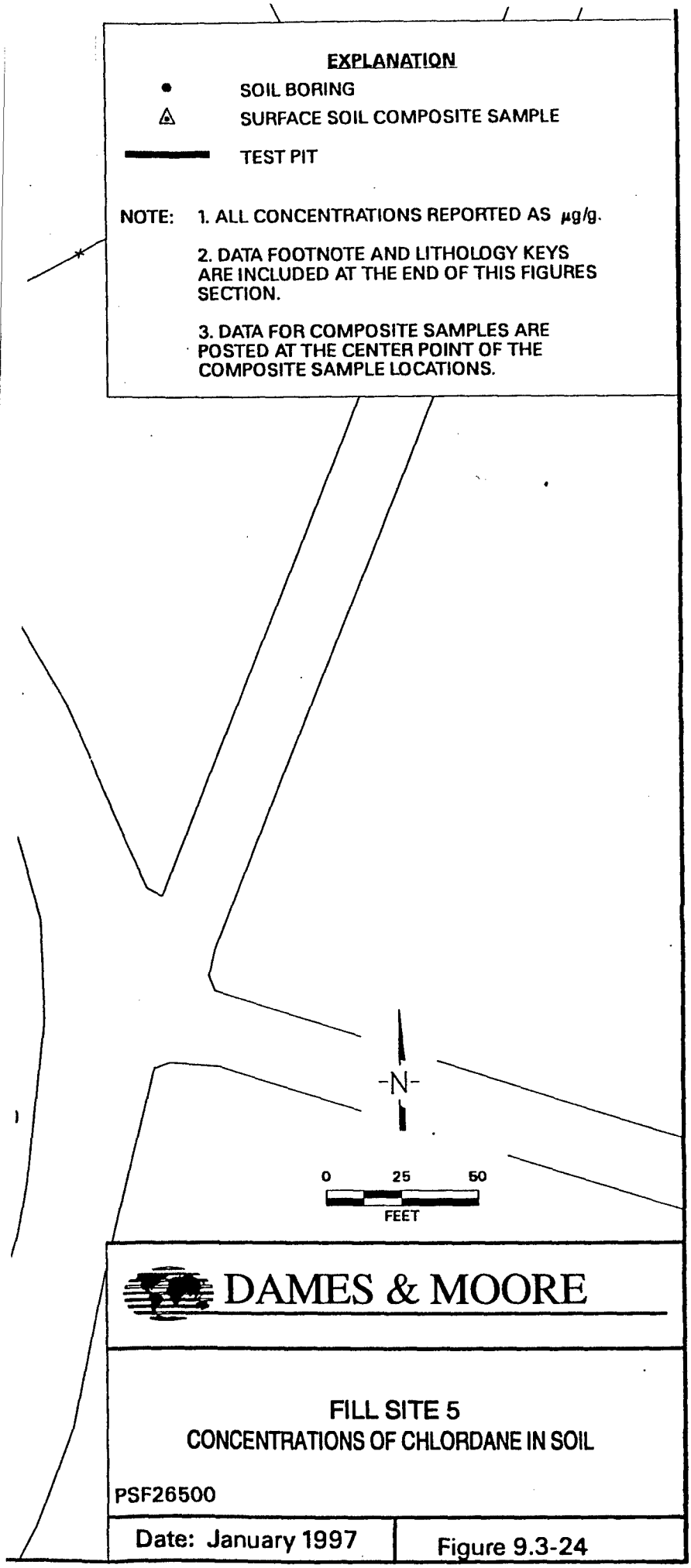
Date: January 1997 | Figure 9.3-23



04 Sep 96 16:32:46 Wedn... 11x17_v3.aml, pltsfile here_FS5_S_49.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLA
SOIL BORING
SURFACE SOIL C
TEST PIT
NOTE: 1. ALL CONCENTRATI
2. DATA FOOTNOTE A
ARE INCLUDED AT TH
SECTION.
3. DATA FOR COMPOS
POSTED AT THE CENT
COMPOSITE SAMPLE
1349
WASHINGTON BLVD
LF5SS01
(Composite)
LF5TP04
DEPTH 1.5'
Chlordane <0.068
LF5TP03
DEPTH 4.0'
Chlordane <0.068
ARTIFICIAL FILL
LF5SS01
DEPTH 0.3'
Chlordane <0.068
FILL SITE 5
BOUNDARY
LF5SS01
(Composite)
LF5TP01
DEPTH 10.0'
Chlordane 0.900 c
LF5SO01
DEPTH 10.0'
Chlordane <0.068
LF5SS01
(Composite)
0
2
FE
DAMES &
FILL SI
CONCENTRATIONS OF
PSF26500
Date: January 1997



DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF CHLORDANE IN SOIL

PSF26500

Date: January 1997

Figure 9.3-24

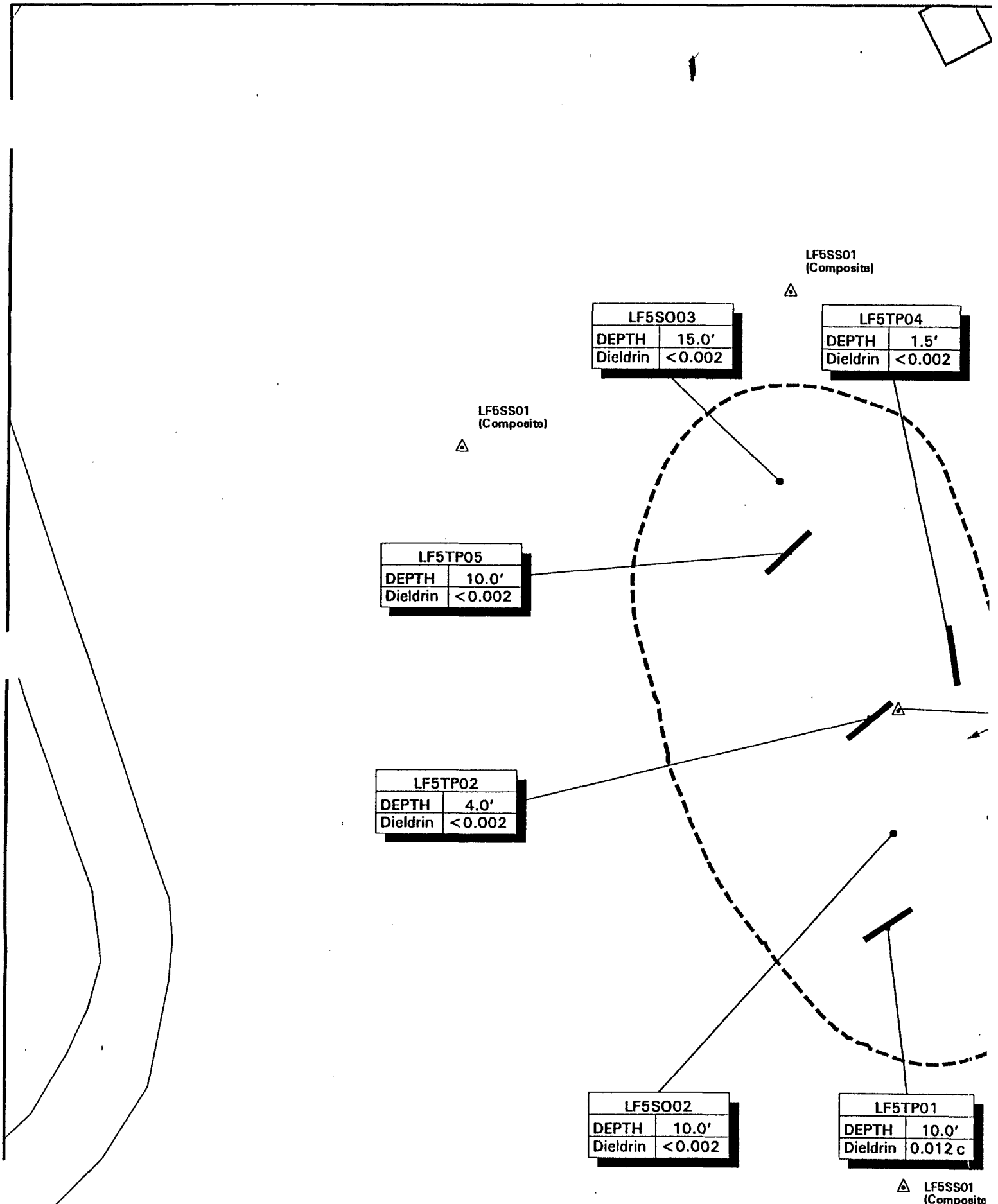
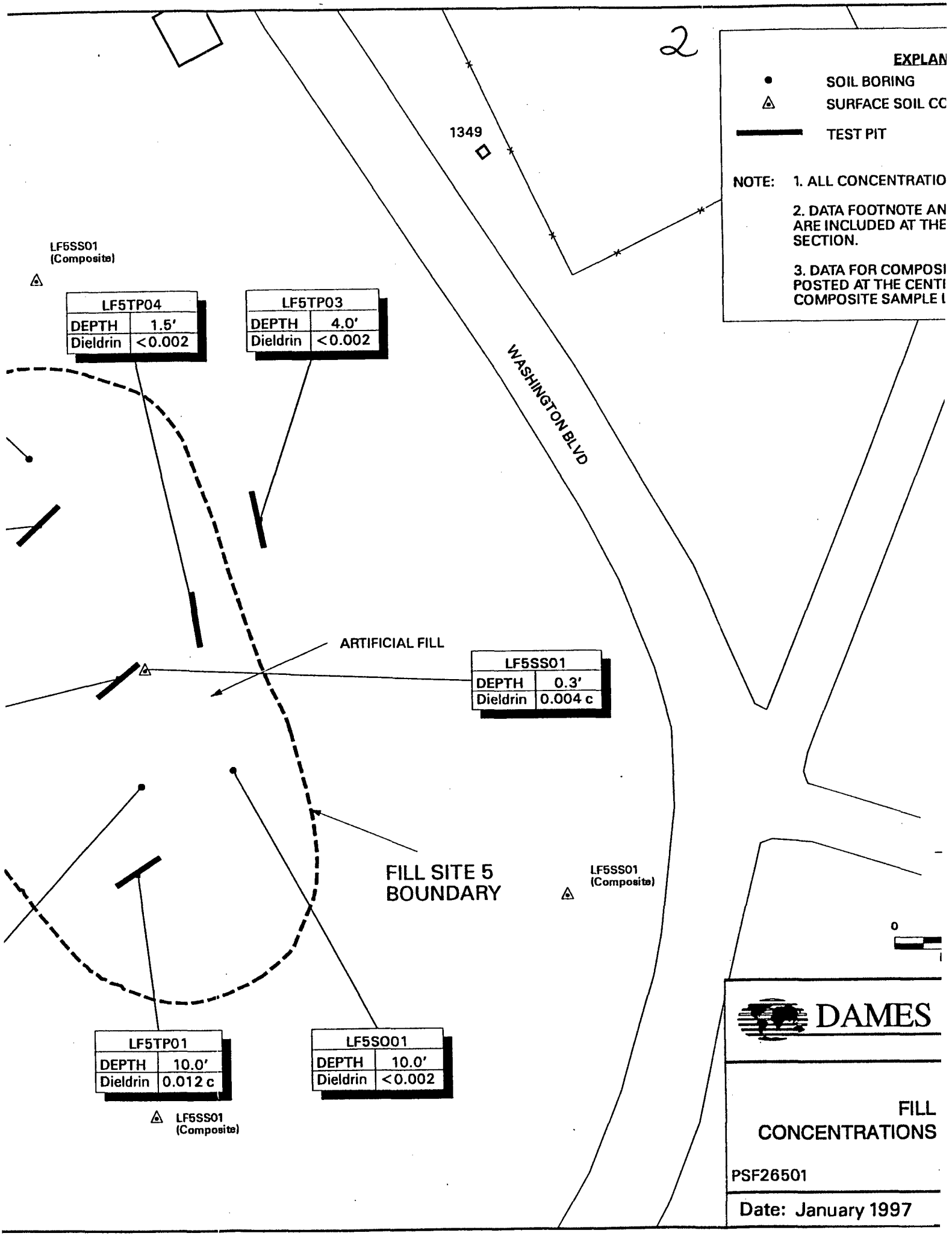
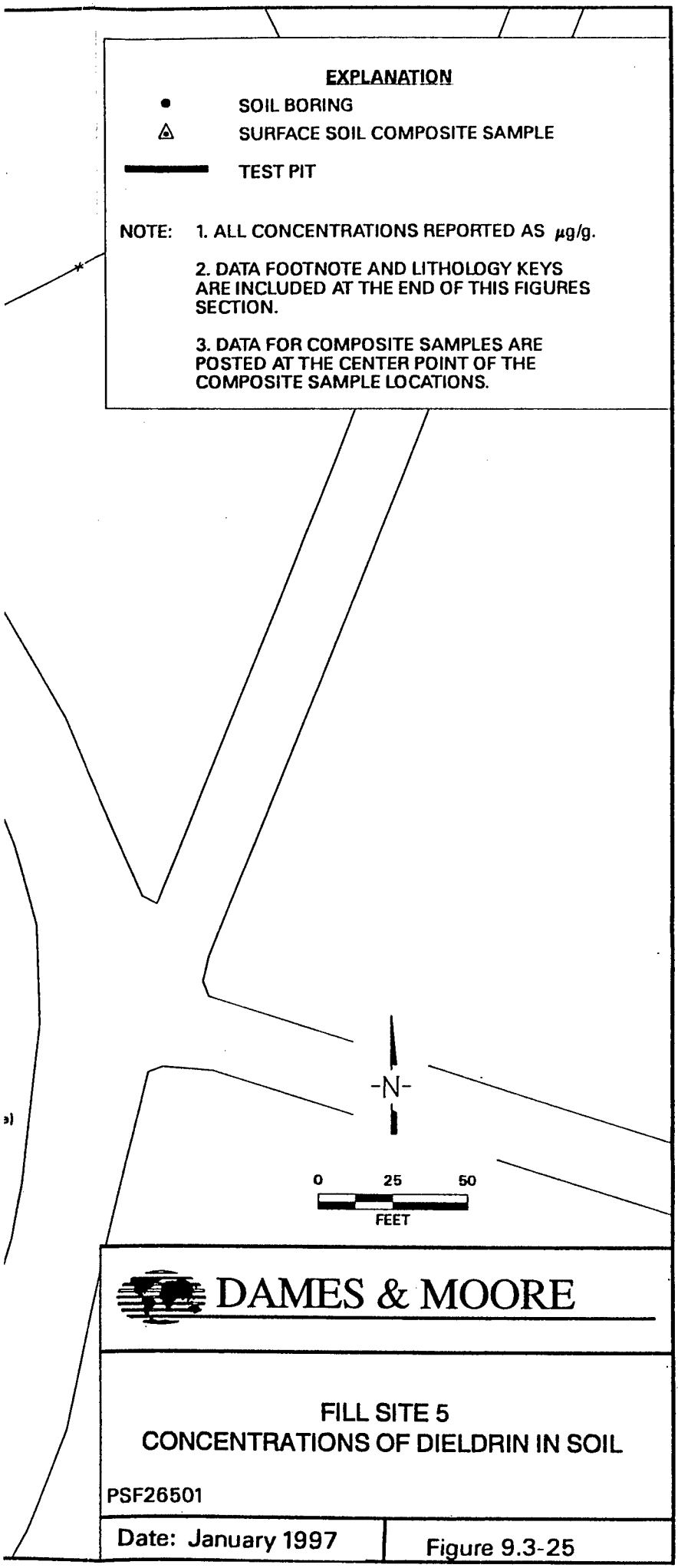


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLAN
SOIL BORING
SURFACE SOIL CC
TEST PIT
NOTE: 1. ALL CONCENTRATIO
2. DATA FOOTNOTE AN
ARE INCLUDED AT THE
SECTION.
3. DATA FOR COMPOSI
POSTED AT THE CENTI
COMPOSITE SAMPLE L
1349
WASHINGTON BLVD
LF5SS01
(Composite)
LF5TP04
DEPTH 1.5'
Dieldrin <0.002
LF5TP03
DEPTH 4.0'
Dieldrin <0.002
ARTIFICIAL FILL
LF5SS01
DEPTH 0.3'
Dieldrin 0.004 c
FILL SITE 5
BOUNDARY
LF5SS01
(Composite)
LF5TP01
DEPTH 10.0'
Dieldrin 0.012 c
LF5SO01
DEPTH 10.0'
Dieldrin <0.002
LF5SS01
(Composite)
0
DAMES
FILL
CONCENTRATIONS
PSF26501
Date: January 1997

3



DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF DIELDRIN IN SOIL

PSF26501

Date: January 1997

Figure 9.3-25

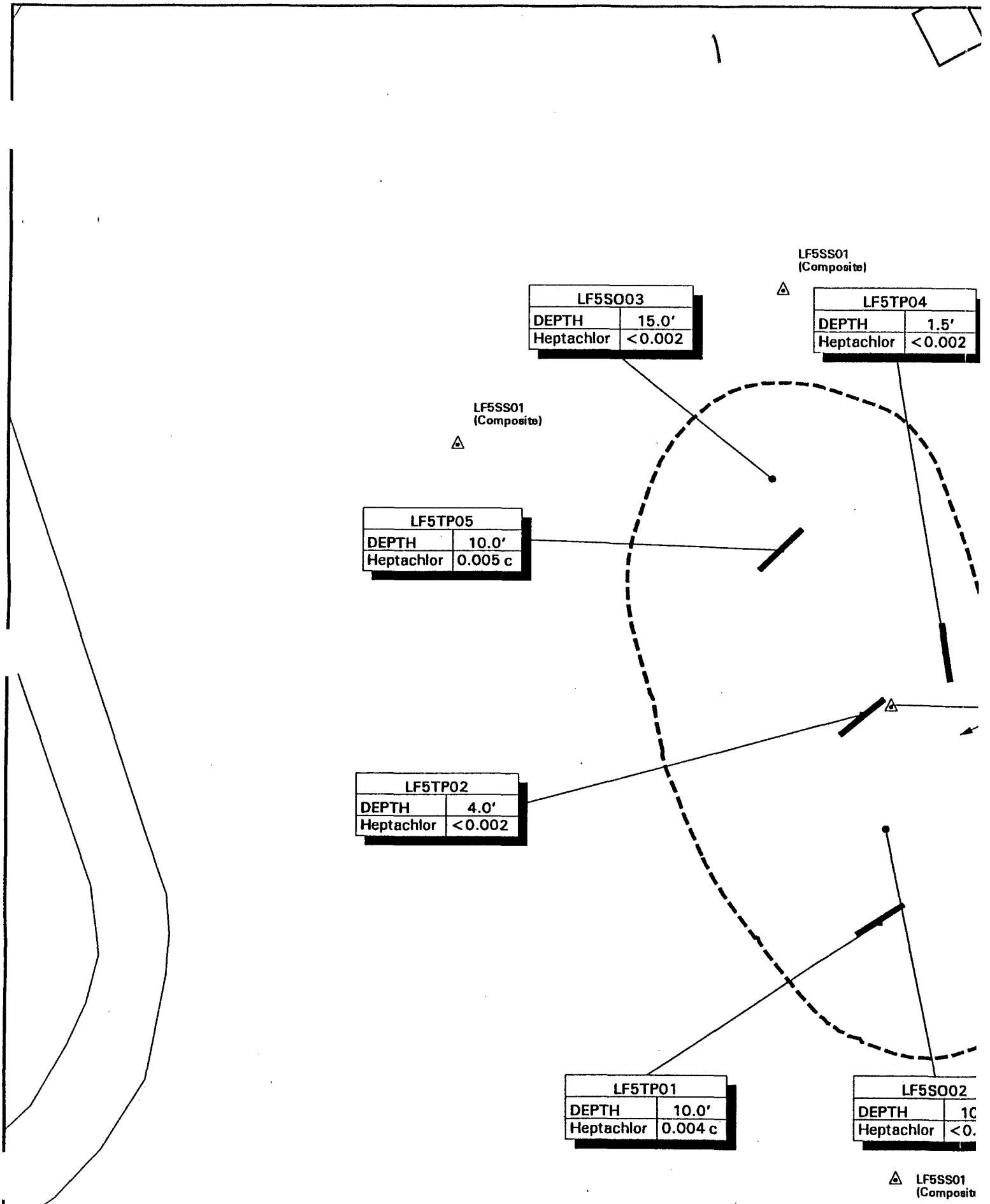
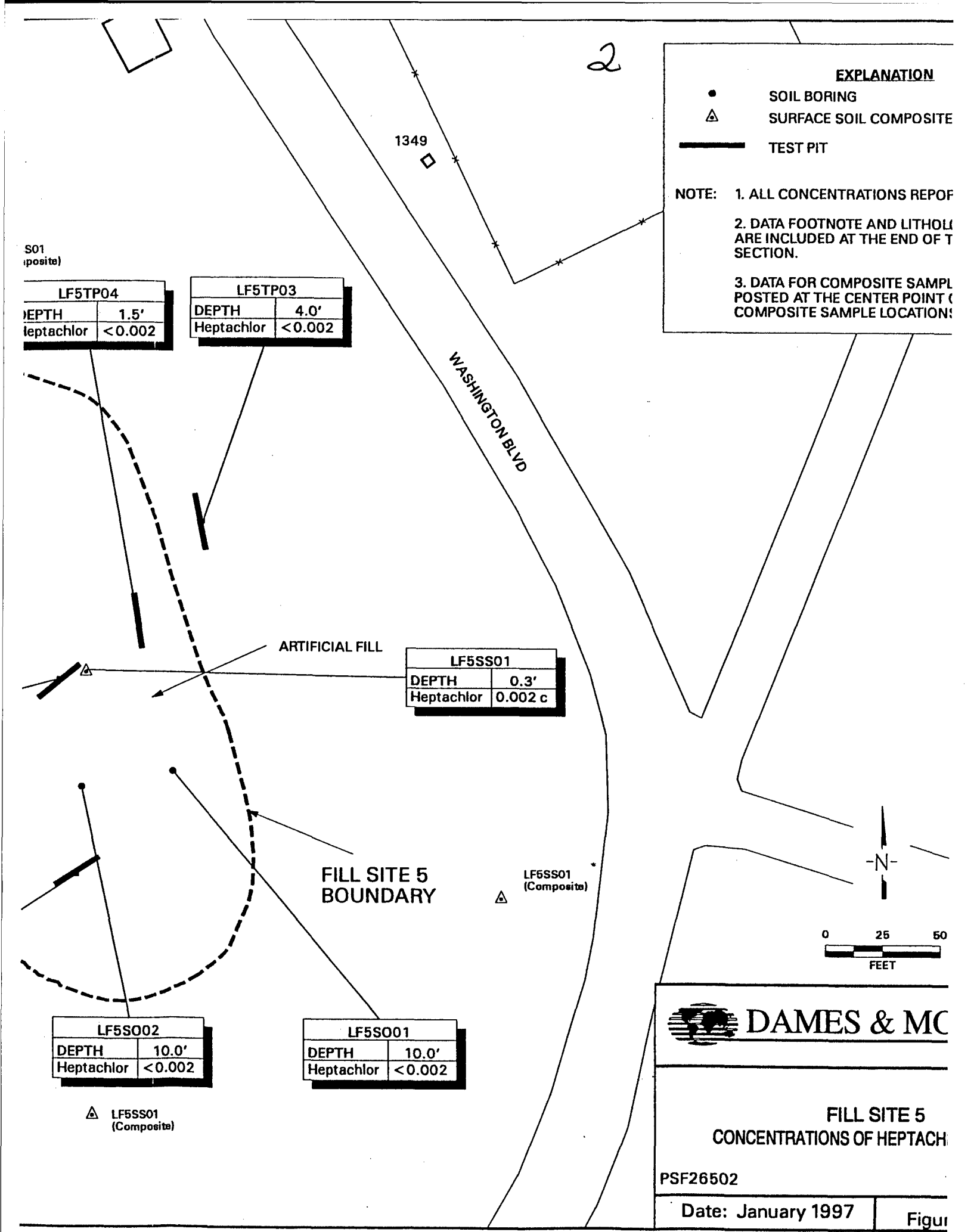
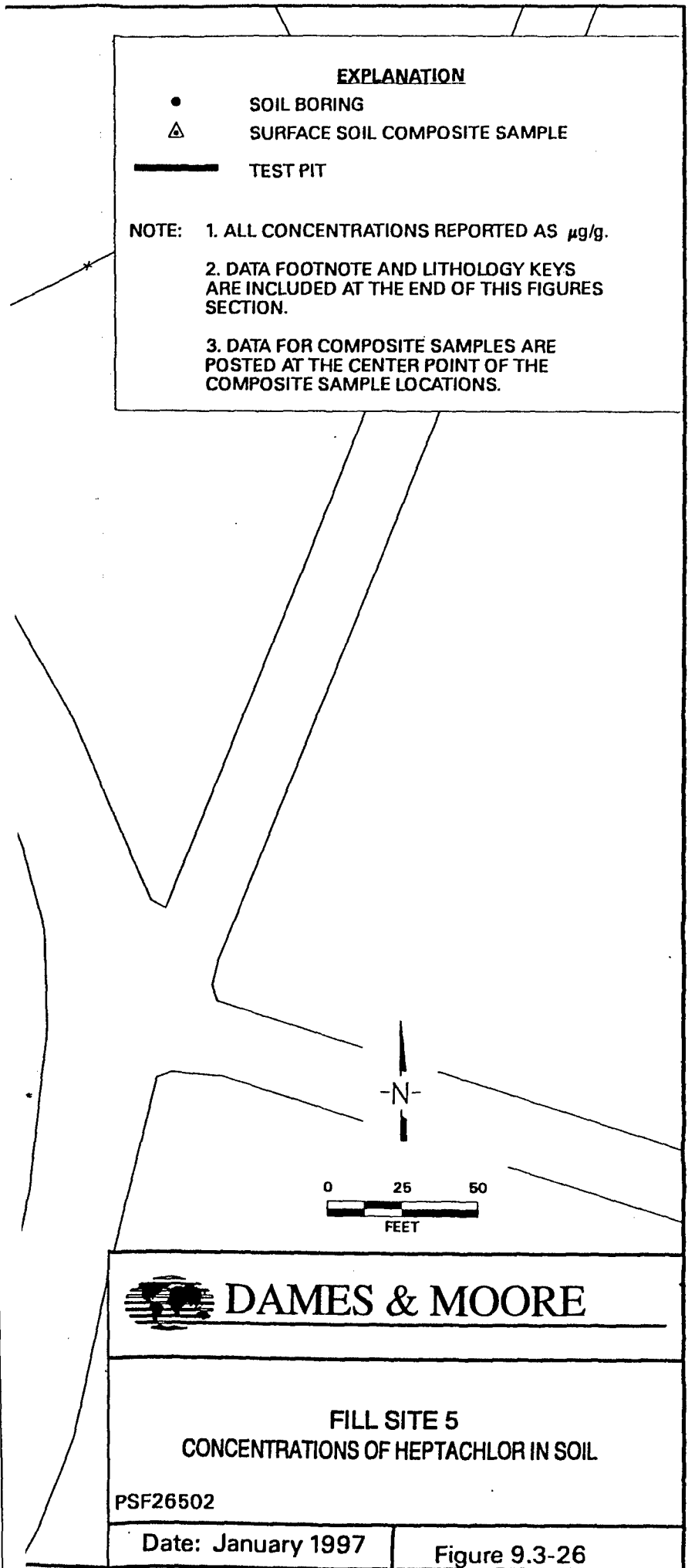


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SOIL BORING
SURFACE SOIL COMPOSITE
TEST PIT
NOTE: 1. ALL CONCENTRATIONS REPOF
2. DATA FOOTNOTE AND LITHOL
ARE INCLUDED AT THE END OF T
SECTION.
3. DATA FOR COMPOSITE SAMPL
POSTED AT THE CENTER POINT
COMPOSITE SAMPLE LOCATION
1349
WASHINGTON BLVD
LF5TP04
DEPTH 1.5'
Heptachlor <0.002
LF5TP03
DEPTH 4.0'
Heptachlor <0.002
ARTIFICIAL FILL
LF5SS01
DEPTH 0.3'
Heptachlor 0.002 c
FILL SITE 5
BOUNDARY
LF5SS01
(Composite)
LF5SO02
DEPTH 10.0'
Heptachlor <0.002
LF5SO01
DEPTH 10.0'
Heptachlor <0.002
LF5SS01
(Composite)
-N-
0 25 50
FEET
DAMES & MC
FILL SITE 5
CONCENTRATIONS OF HEPTACH
PSF26502
Date: January 1997
Figu



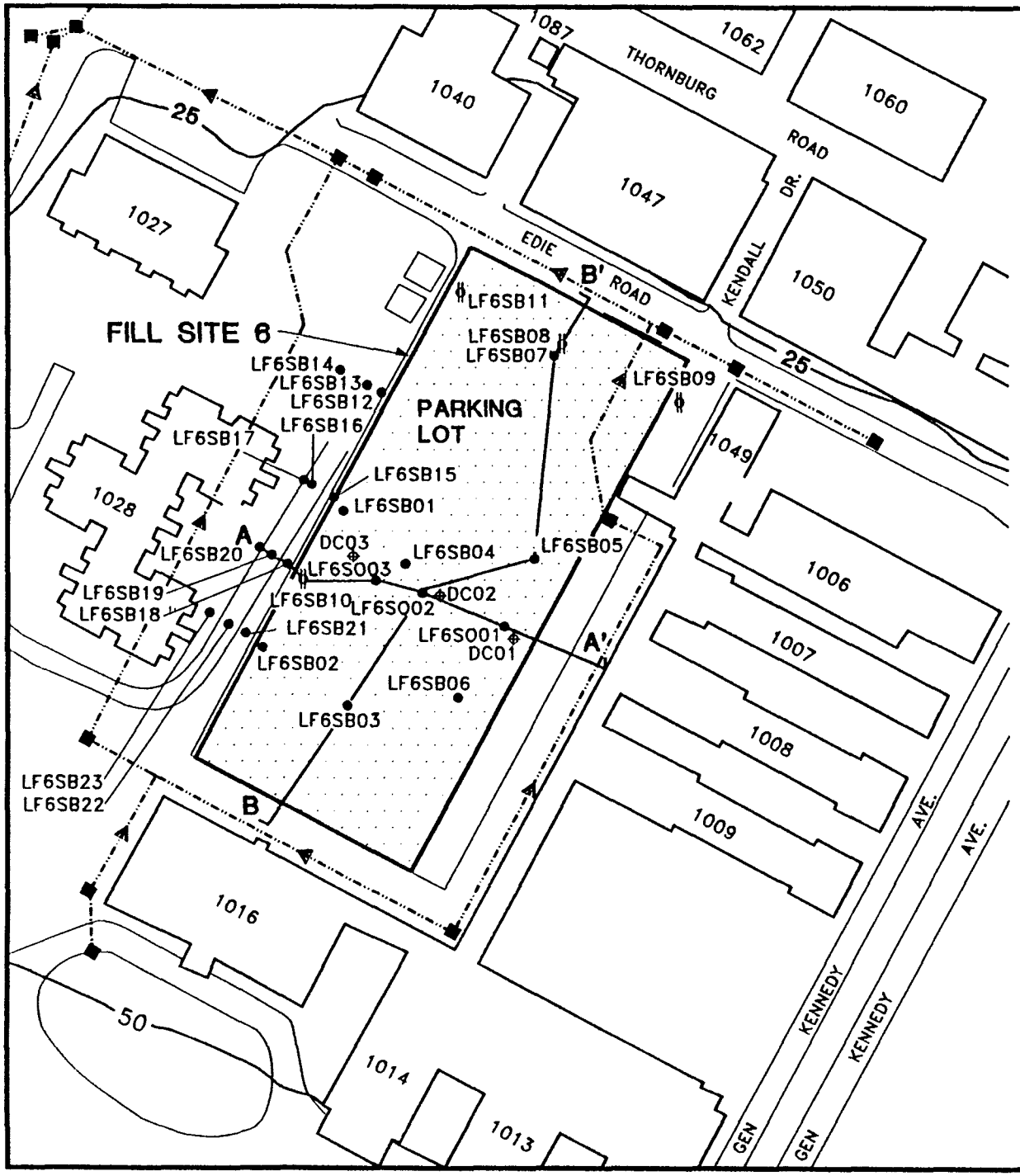
DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF HEPTACHLOR IN SOIL

PSF26502

Date: January 1997

Figure 9.3-26



EXPLANATION

- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- RESISTIVITY MEASUREMENT
- A — A' CROSS SECTION LOCATION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- 50 TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

0 50 100
FEET

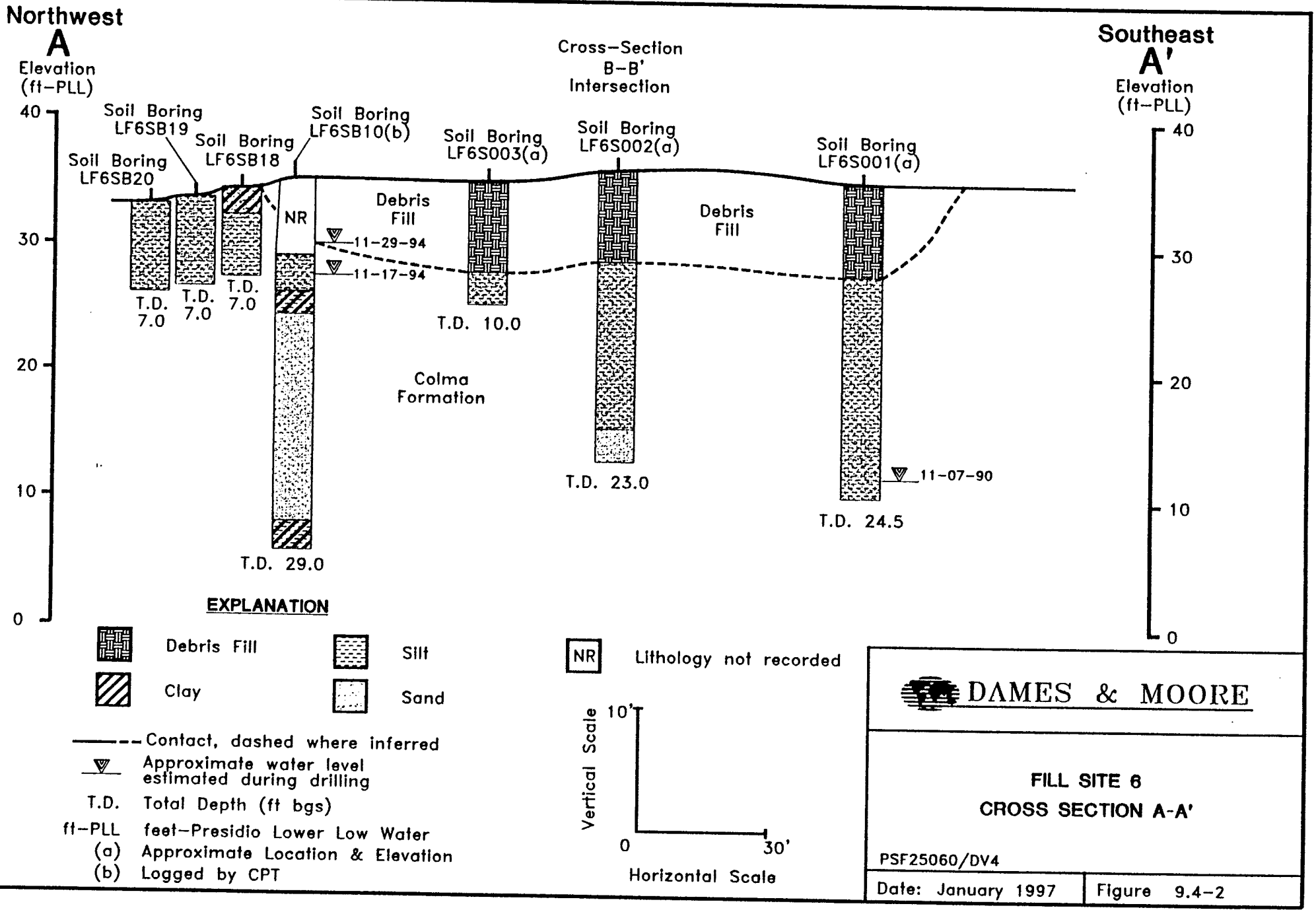
-N-

DAMES & MOORE

FILL SITE 6
SAMPLE & CROSS SECTION LOCATIONS

PSF25002/DV1

Date: January 1997 | Figure 9.4-1

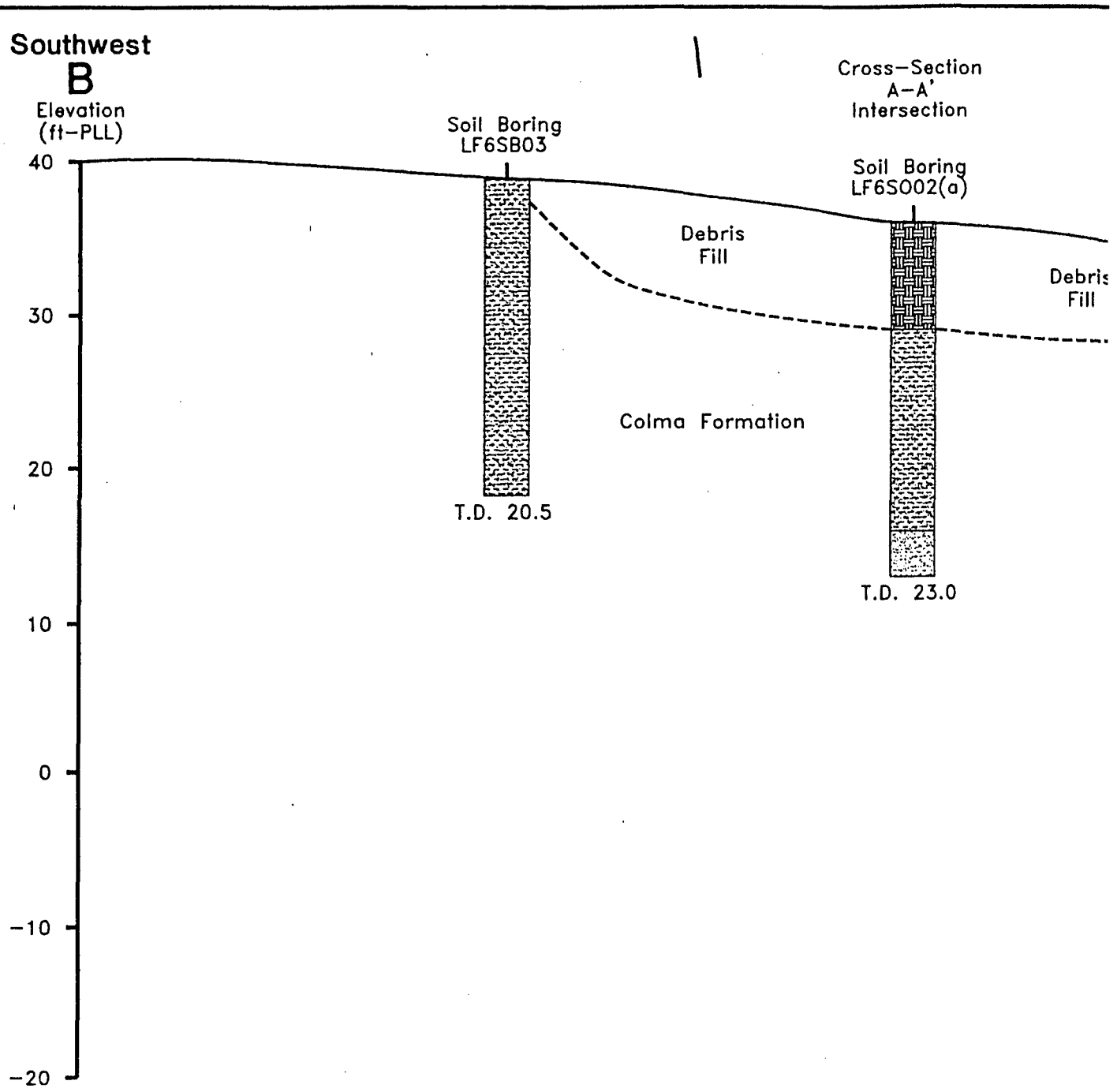


DAMES & MOORE

FILL SITE 6
CROSS SECTION A-A'

PSF25060/DV4

Date: January 1997 | Figure 9.4-2

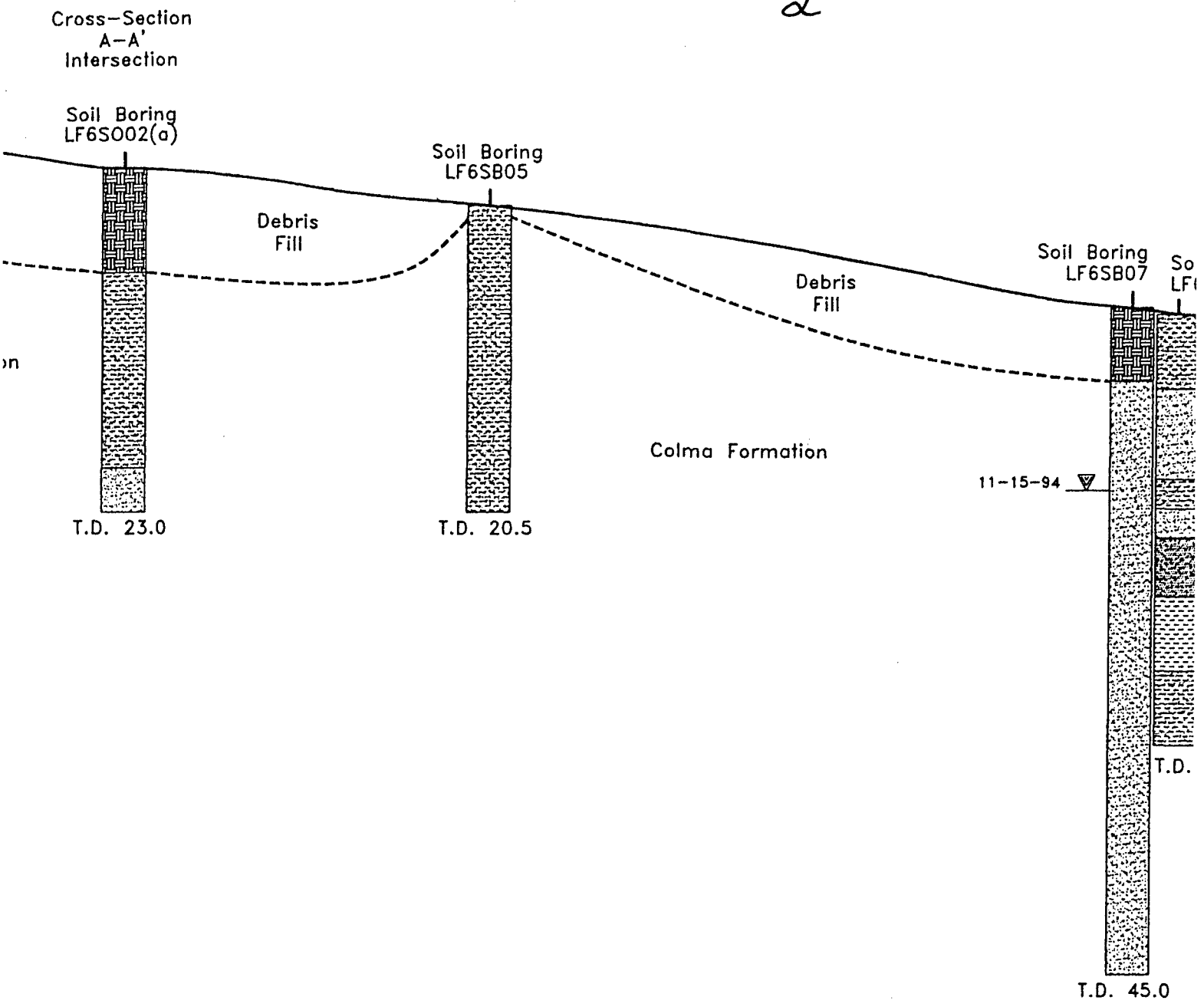


EXPLANATION

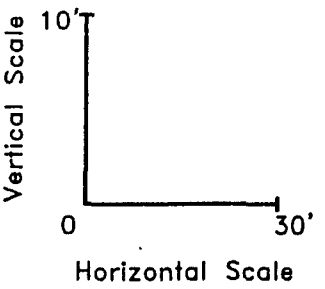
- Debris Fill
- Silt
- Sand
- Gravel

- Contact, dashed where inferred
- Approximate water level estimated during drilling
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- (a) Approximate Location & Elevation
- (b) LF6SB08 logged by CPT

2



t, dashed where inferred
:imate water level
ted during drilling
Depth (ft bgs)
'resídio Lower Low Water
:imate Location & Elevation
)8 logged by CPT

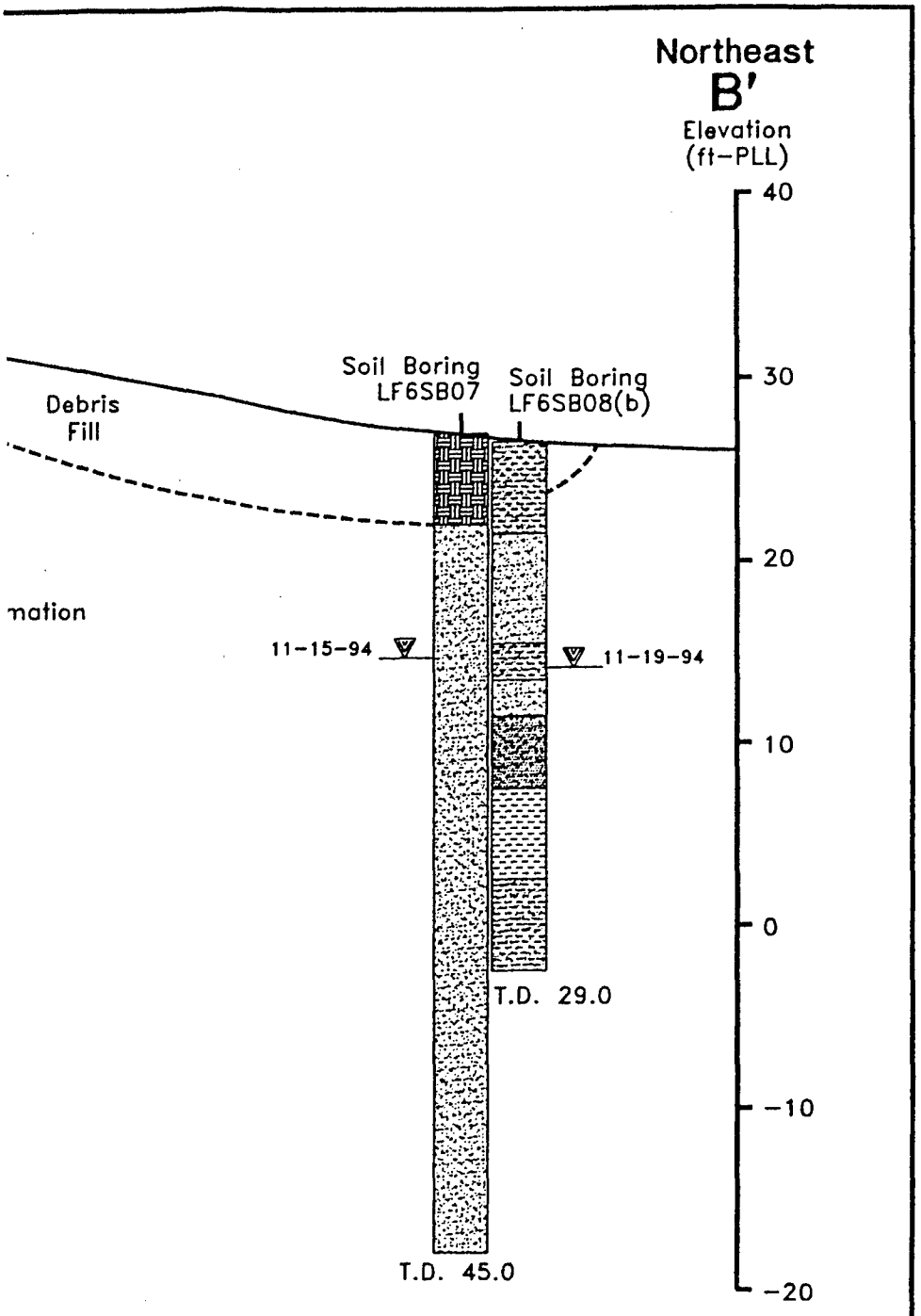


DAME

F
CROS

PSF25061/DV1

Date: January 199



DAMES & MOORE

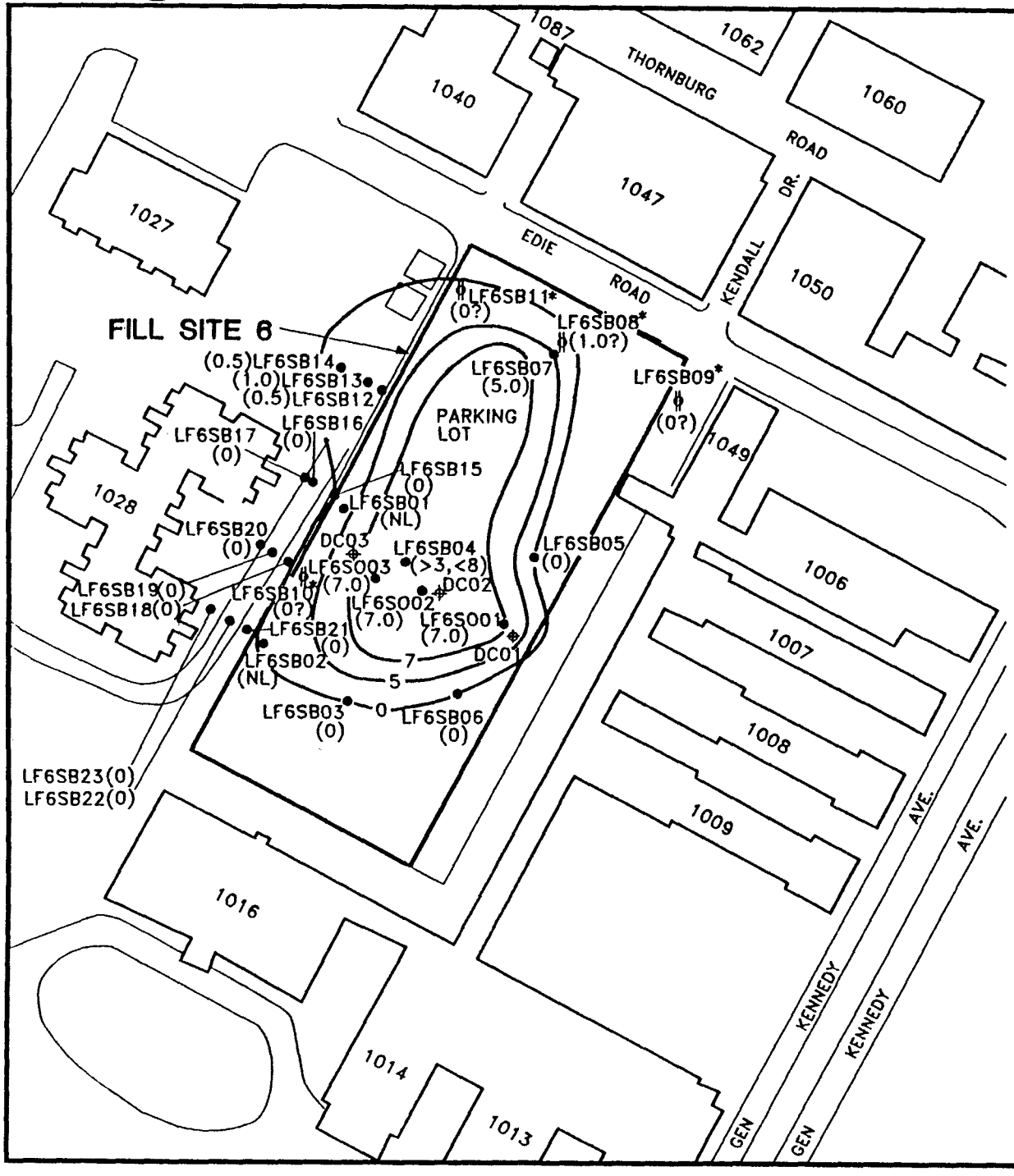
FILL SITE 6
CROSS SECTION B-B'

PSF25061/DV1

Date: January 1997 | Figure 9.4-3

30'

al Scale



EXPLANATION

•	SOIL BORING
⫴	SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
⌖	RESISTIVITY MEASUREMENT
(7.0)	DEBRIS FILL THICKNESS
—5—	DEBRIS FILL THICKNESS CONTOUR
*	LITHOLOGY LOGGED BY CPT; NO VISUAL INSPECTION FOR FILL MATERIAL BELOW 1–2 ft. bgs.
(NL)	NOT LOGGED

N

0 50 100

FEET

DAMES & MOORE

FILL SITE 6

DEBRIS FILL ISOPACH

PSF25059/DVI

Date: January 1997 | Figure 9.4-4

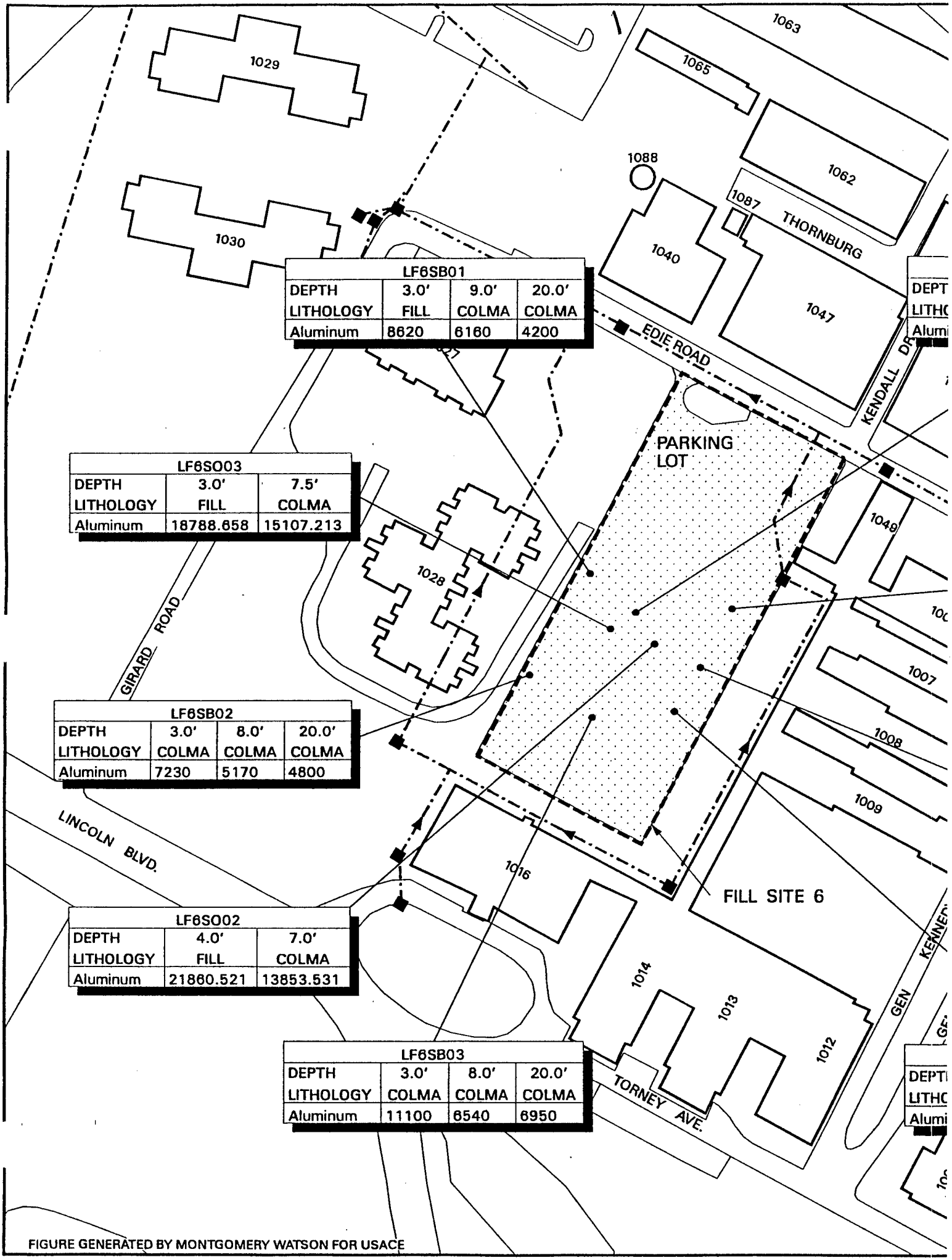
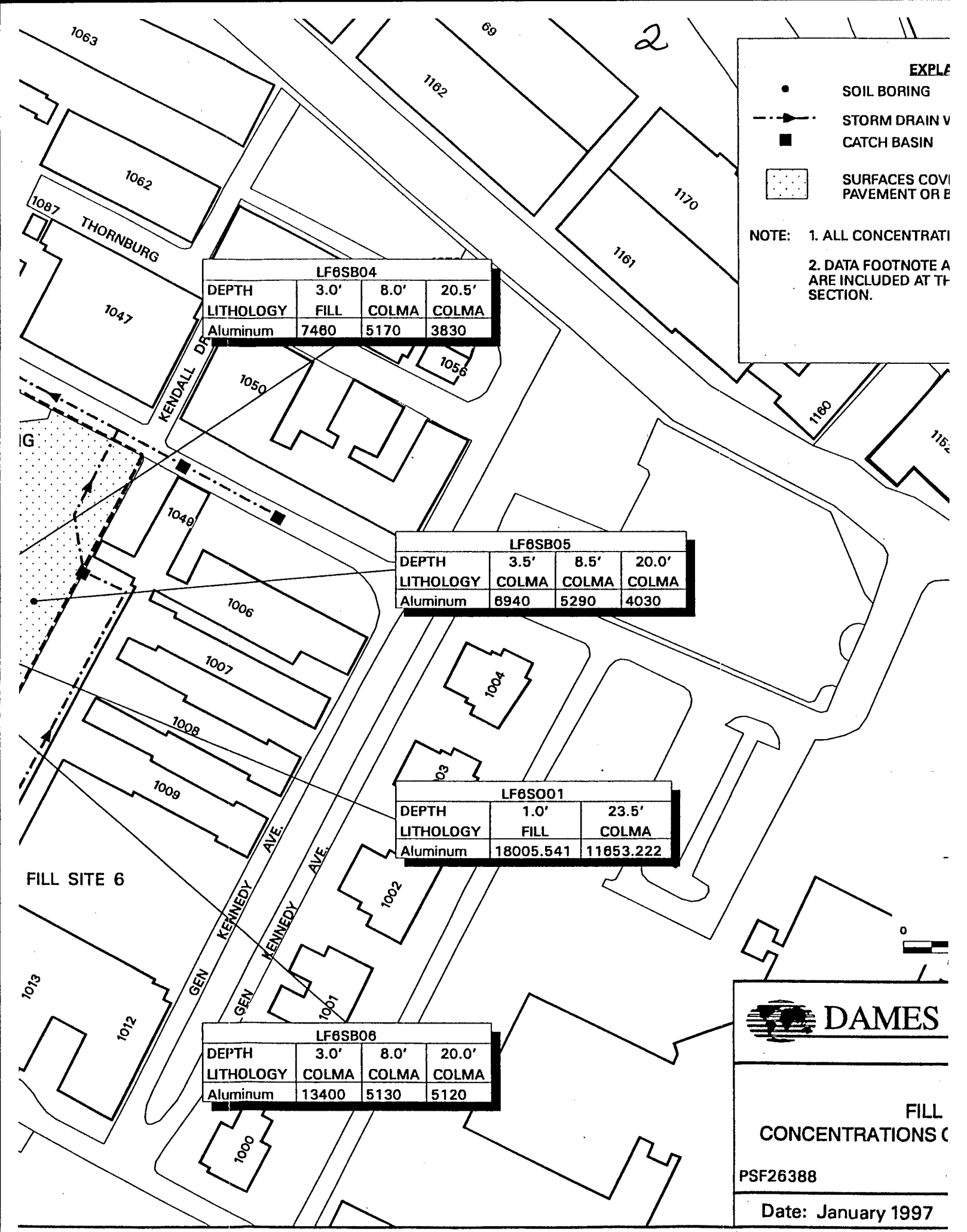
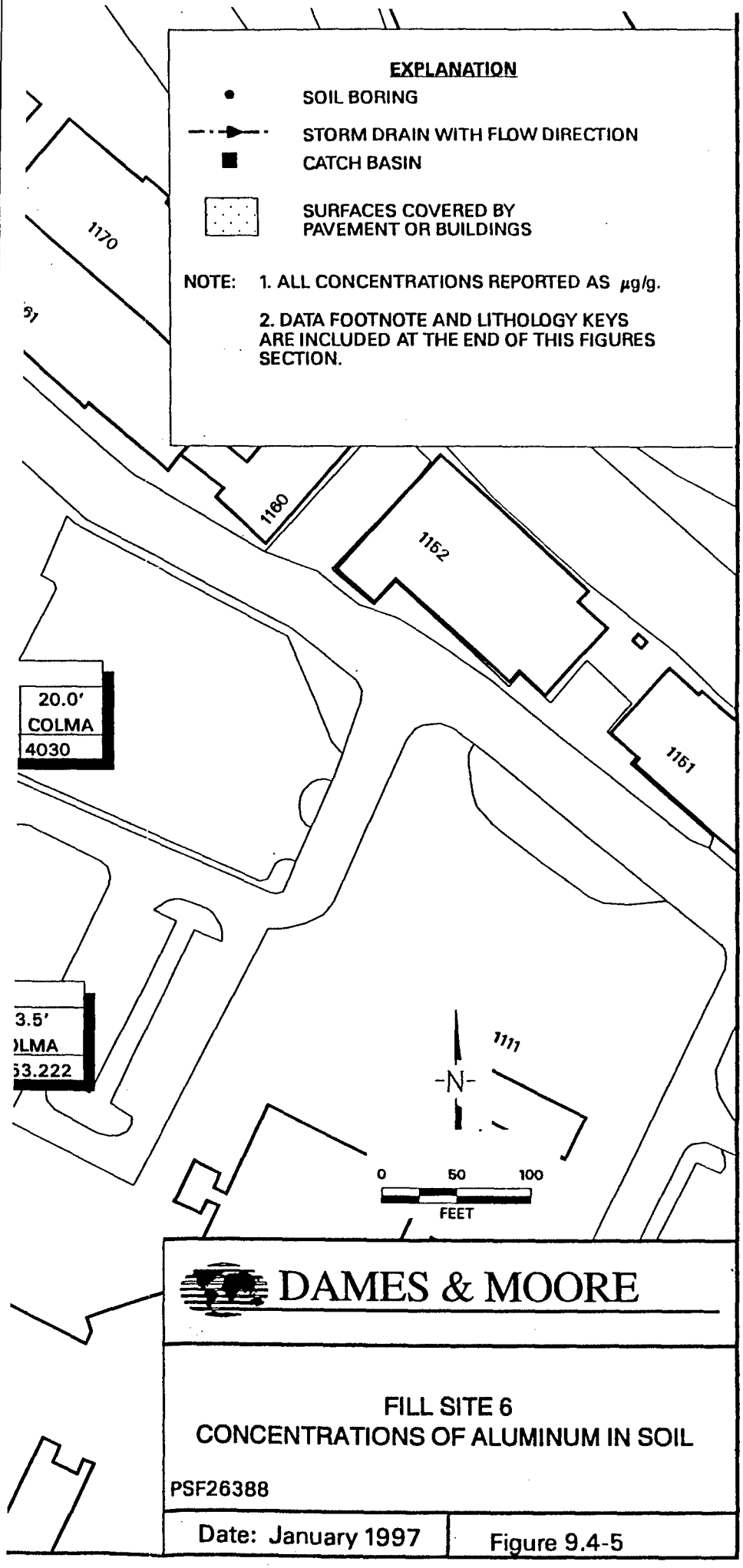


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12 Sep 96 08:34:11 Thurst 11x17_v3.aml, pkedit base_FS6_S_1.grn, PSF


EXPLA
SOIL BORING
STORM DRAIN V
CATCH BASIN
SURFACES COVI
PAVEMENT OR E
NOTE: 1. ALL CONCENTRATI
2. DATA FOOTNOTE A
ARE INCLUDED AT TH
SECTION.
LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Aluminum | 7460 | 5170 | 3830
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Aluminum | 6940 | 5290 | 4030
LF6SO01
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Aluminum | 18005.541 | 11653.222
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Aluminum | 13400 | 5130 | 5120
FILL SITE 6
THORNBURG
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
1063
1062
1087
1047
1162
69
1170
1161
1160
1056
1050
1049
1006
1007
1008
1009
1004
1002
1001
1013
1012
1000
DAMES
FILL
CONCENTRATIONS (
PSF26388
Date: January 1997



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26388

Date: January 1997

Figure 9.4-5

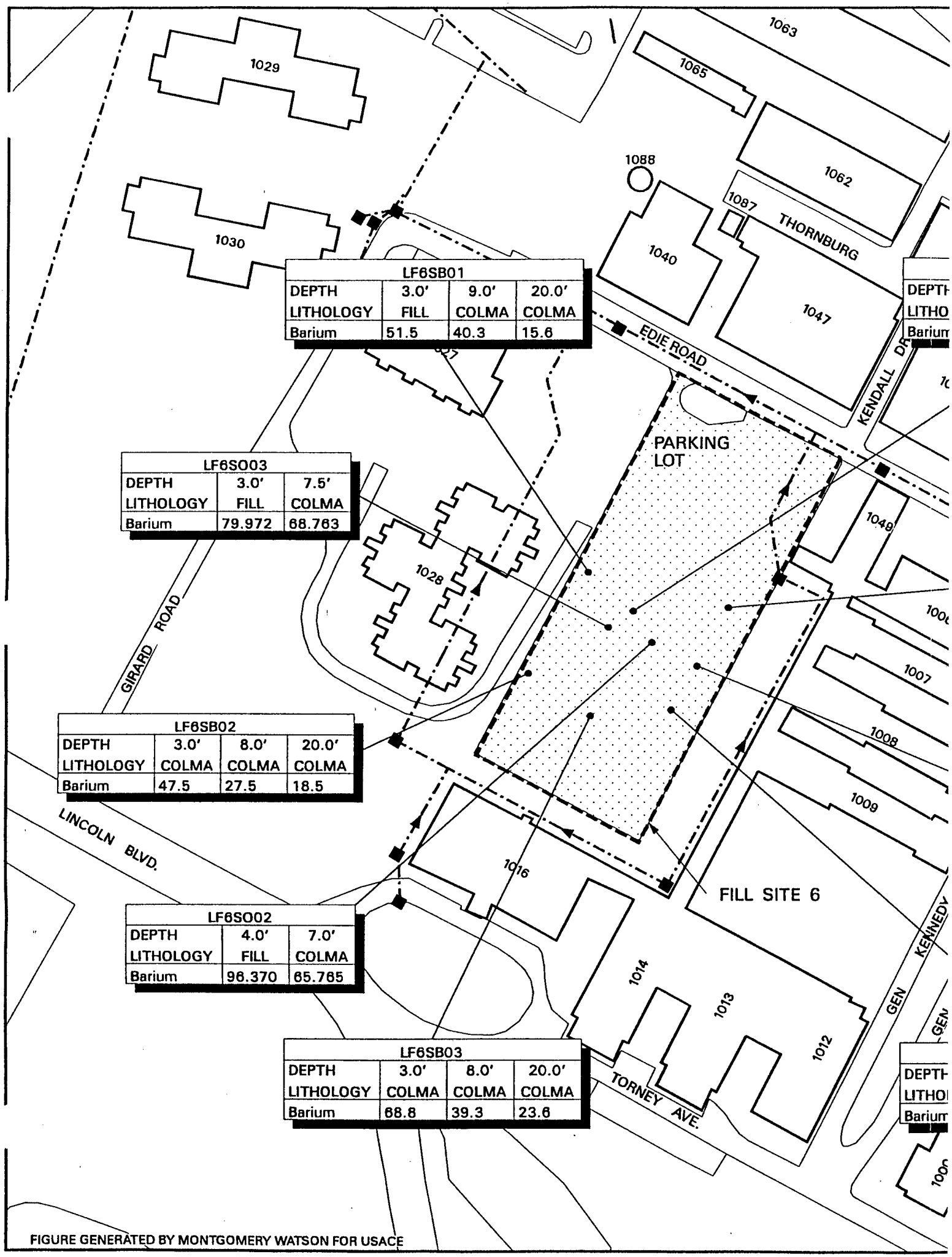
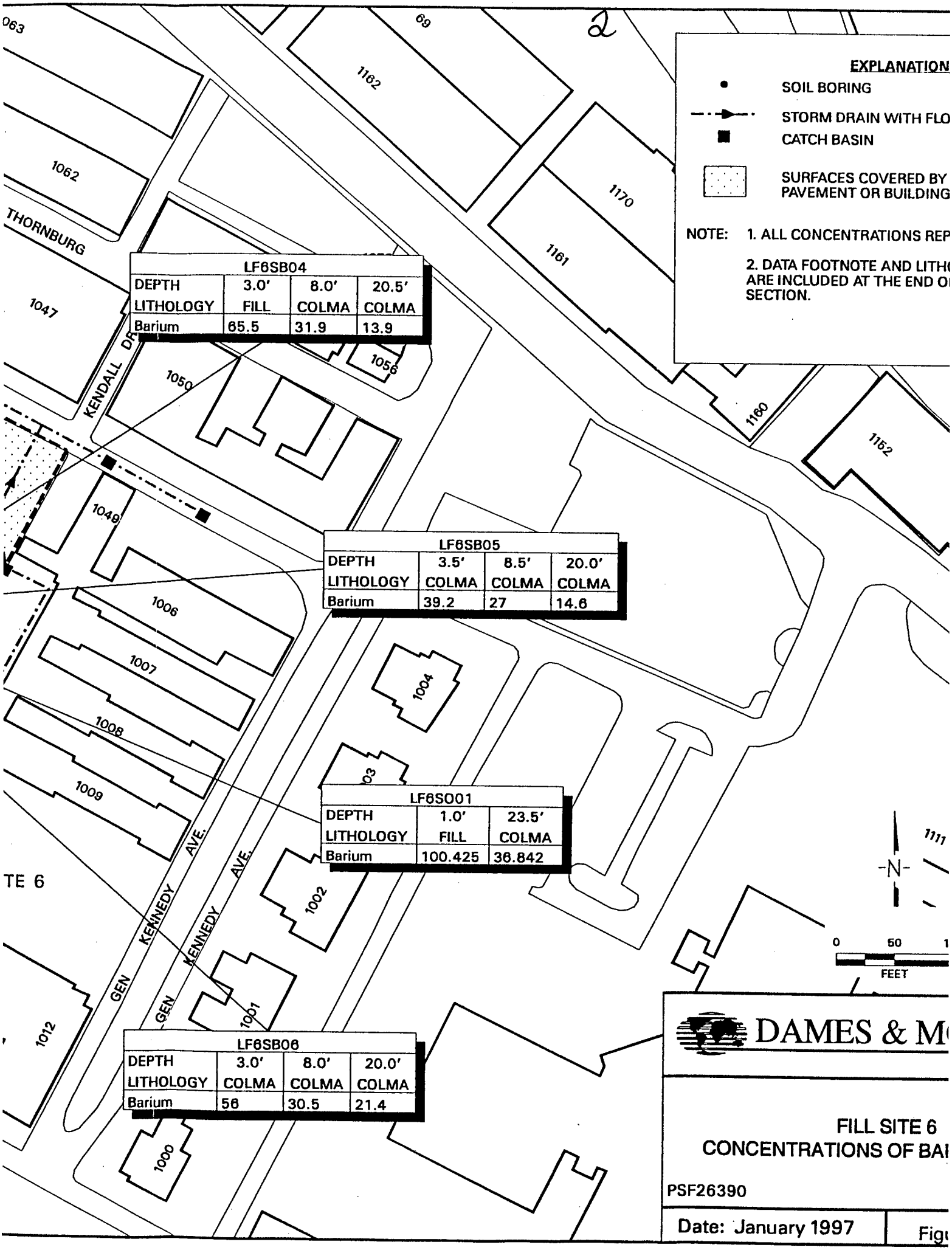


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
STORM DRAIN WITH FLO
CATCH BASIN
SURFACES COVERED BY PAVEMENT OR BUILDING
NOTE: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITH(ARE INCLUDED AT THE END O SECTION.
LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Barium | 65.5 | 31.9 | 13.9
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Barium | 39.2 | 27 | 14.6
LF6S001
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Barium | 100.425 | 36.842
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Barium | 56 | 30.5 | 21.4
THORNBURG
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
1062
1162
1170
1161
1160
1047
1050
1056
1048
1006
1007
1008
1009
1004
1002
1001
1012
1000
TE 6
-N-
0 50
FEET
DAMES & M
FILL SITE 6
CONCENTRATIONS OF BA
PSF26390
Date: January 1997
Fig

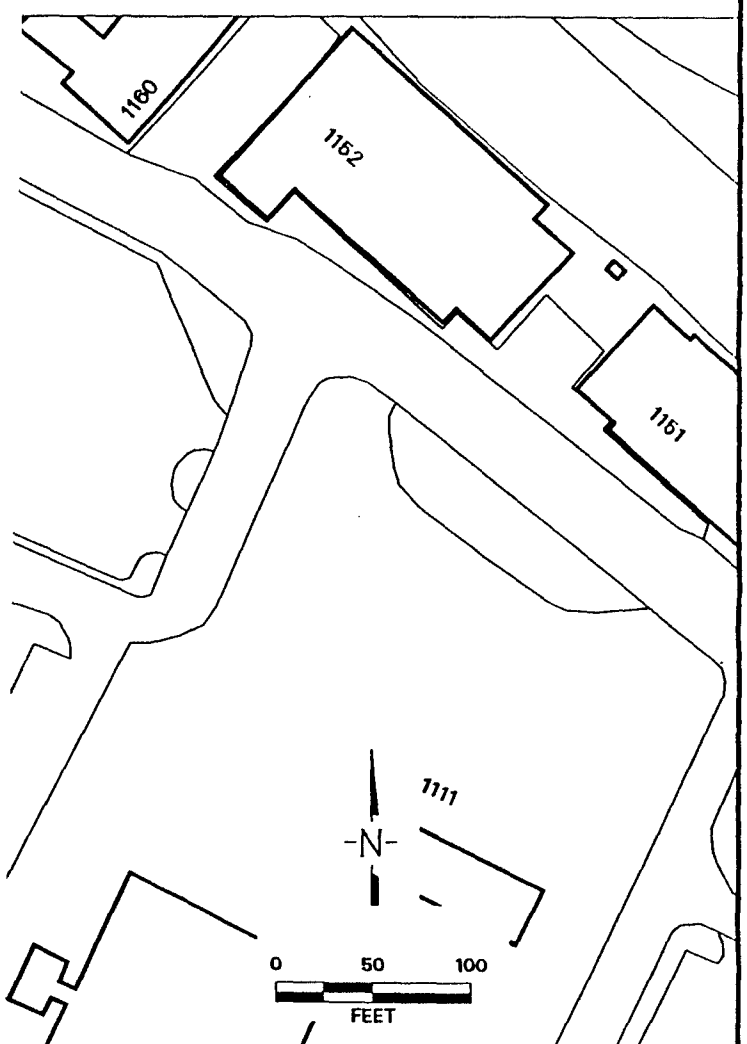
3

EXPLANATION

- SOIL BORING
- STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF BARIUM IN SOIL

PSF26390

Date: January 1997	Figure 9.4-6

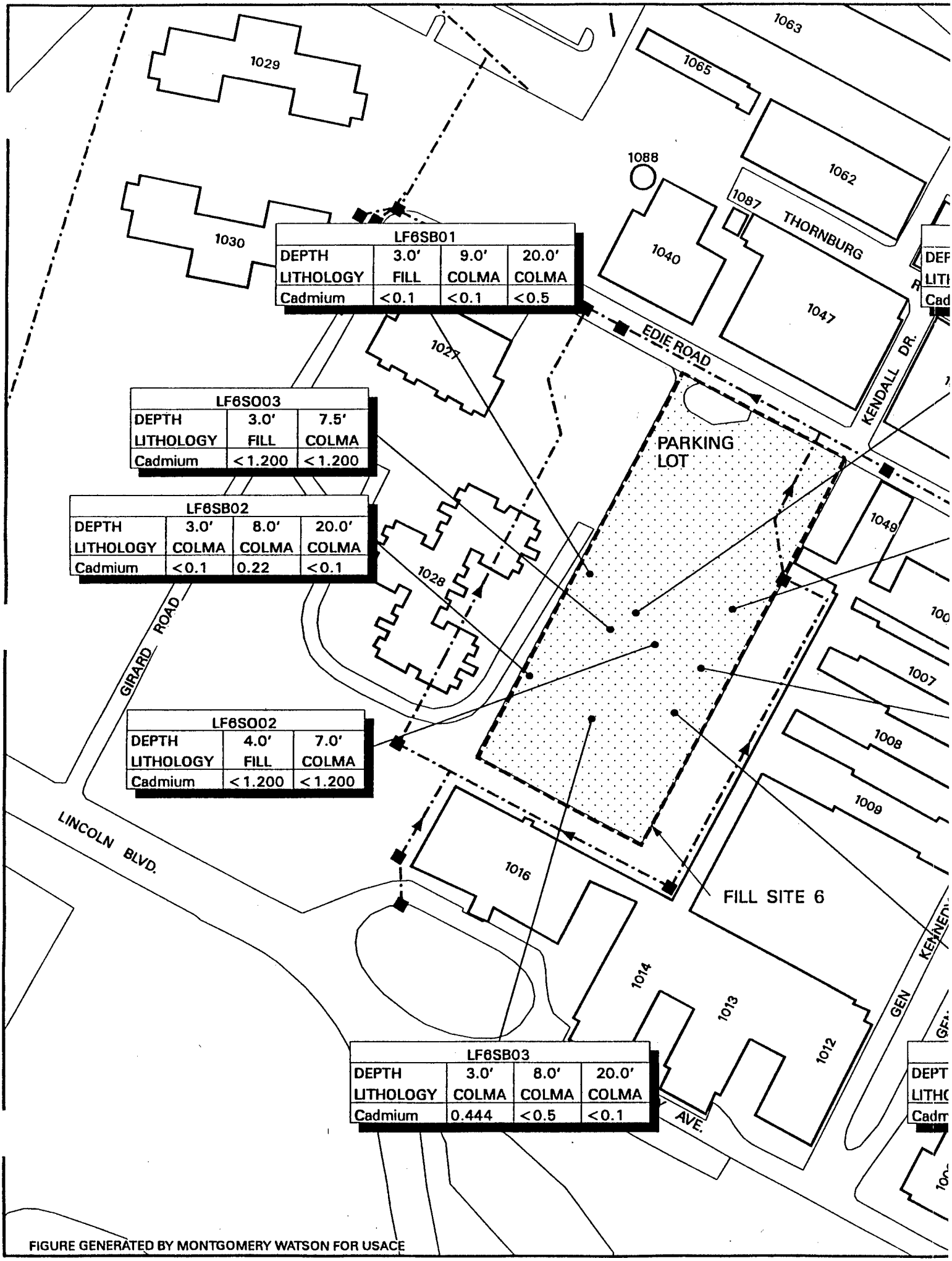
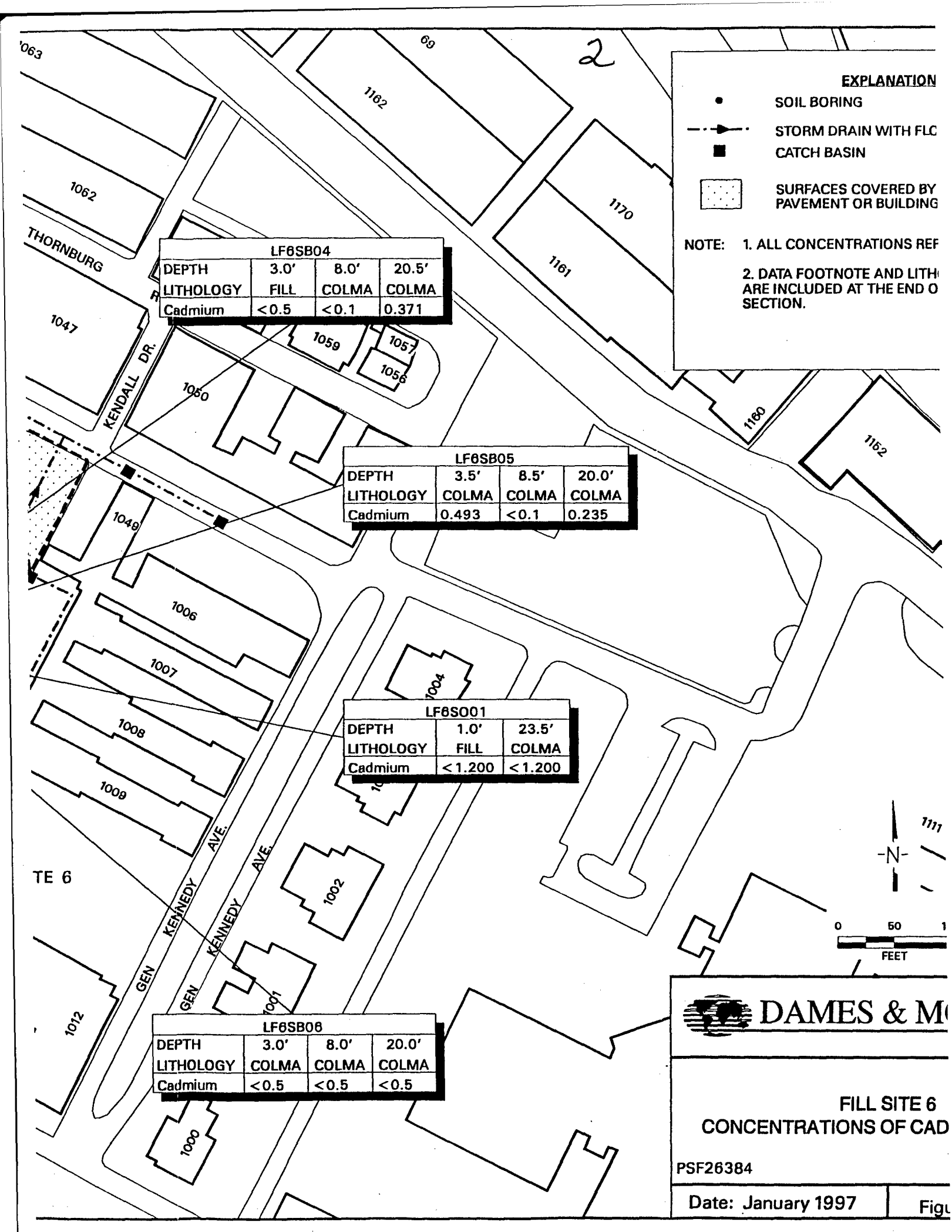
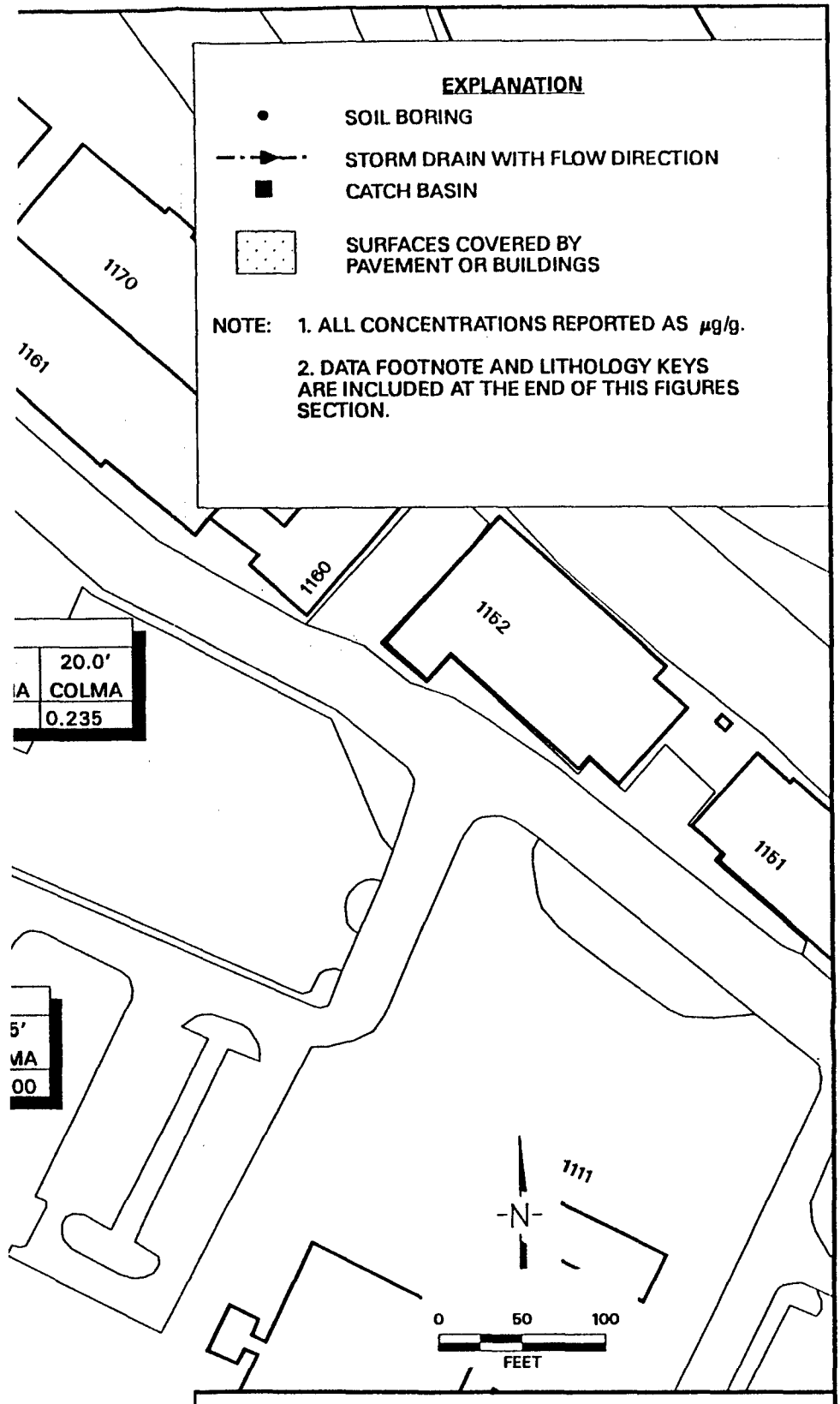


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
STORM DRAIN WITH FLC
CATCH BASIN
SURFACES COVERED BY PAVEMENT OR BUILDING
NOTE: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Cadmium | <0.5 | <0.1 | 0.371
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Cadmium | 0.493 | <0.1 | 0.235
LF6SO01
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Cadmium | <1.200 | <1.200
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Cadmium | <0.5 | <0.5 | <0.5
THORNBURG
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
1062
1063
1162
1161
1170
1160
1152
1047
1059
1057
1056
1050
1049
1006
1007
1008
1009
1004
1002
1001
1012
1000
1111
-N-
0 50
FEET
TE 6
DAMES & M
FILL SITE 6
CONCENTRATIONS OF CAD
PSF26384
Date: January 1997
Figu



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26384

Date: January 1997

Figure 9.4-7

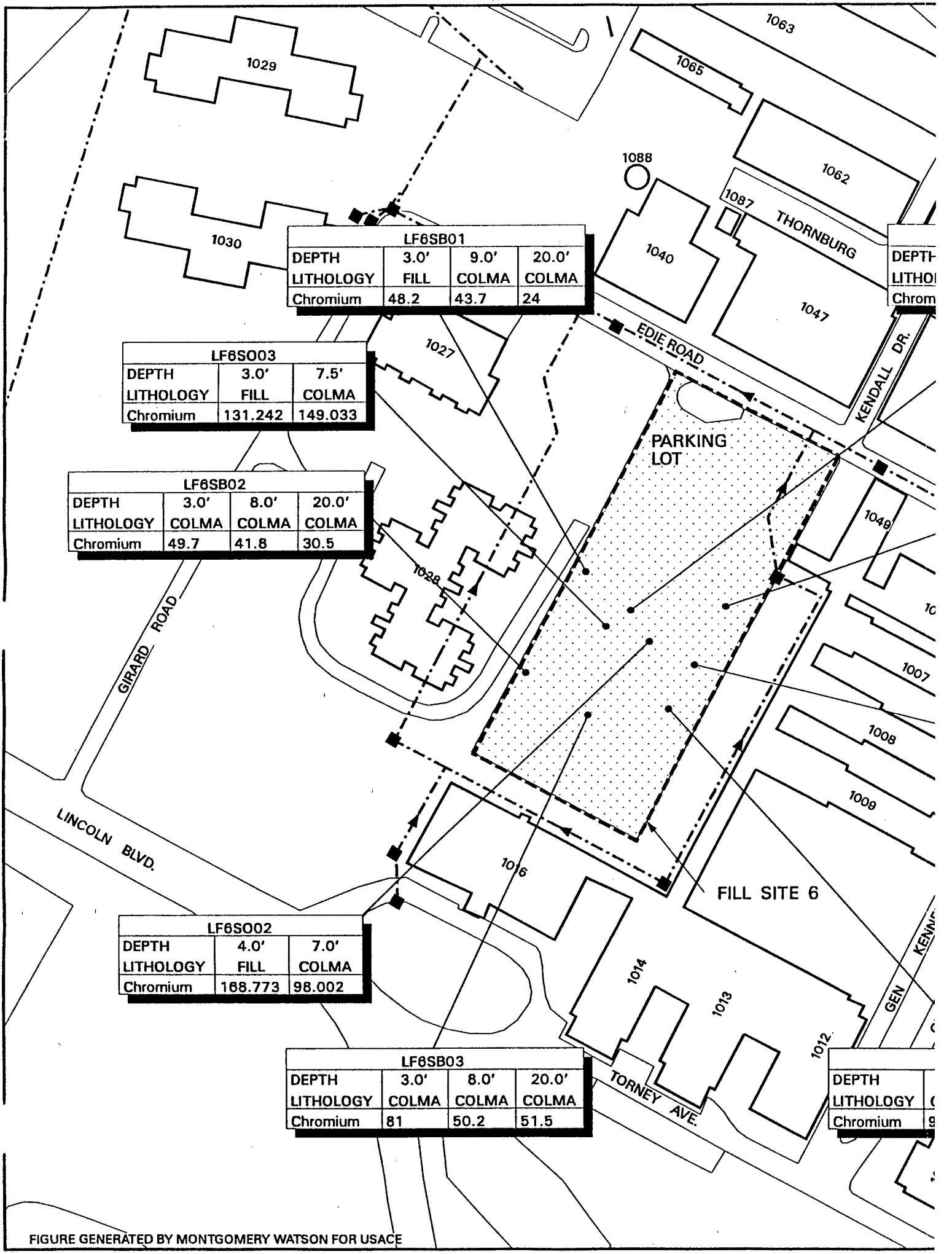
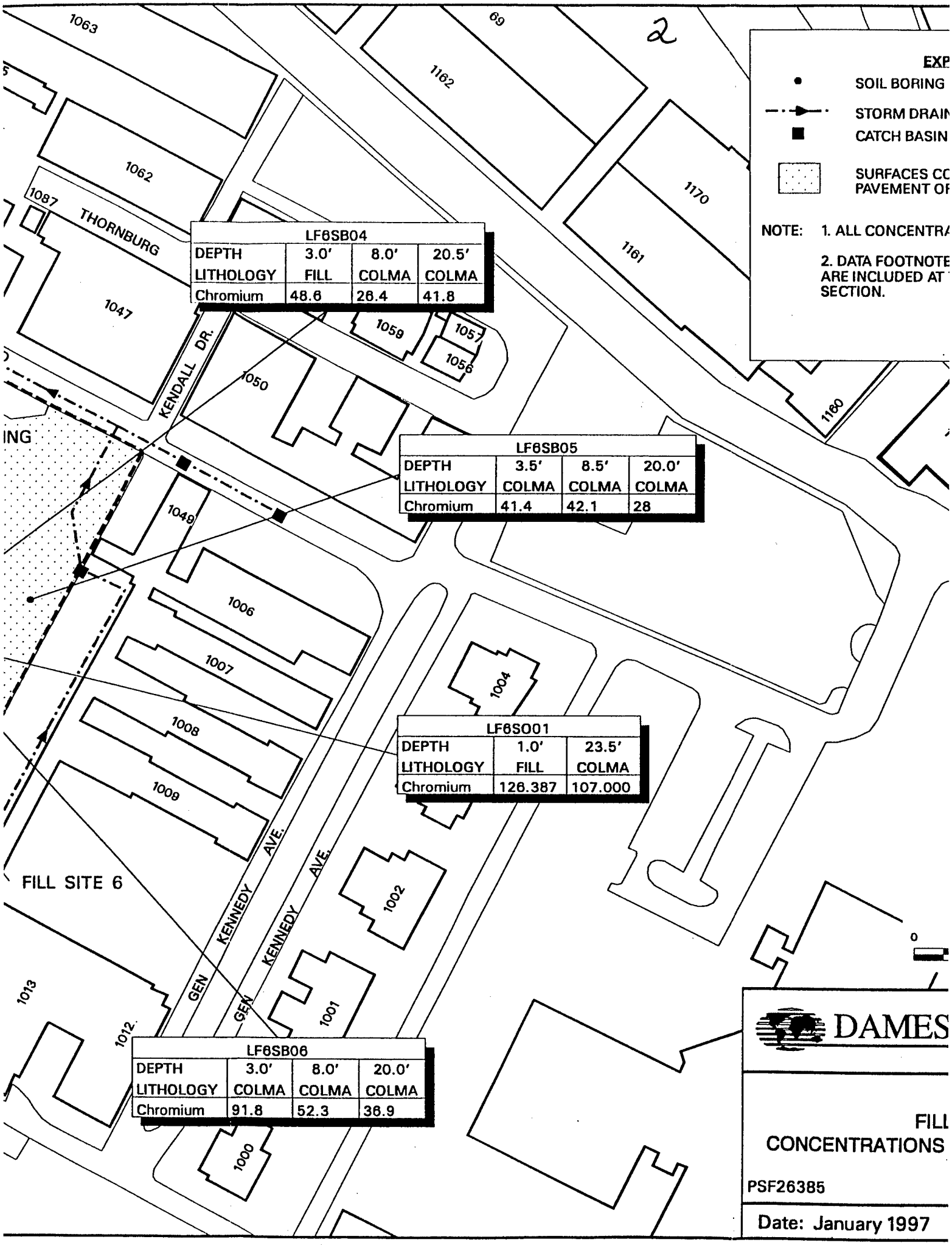
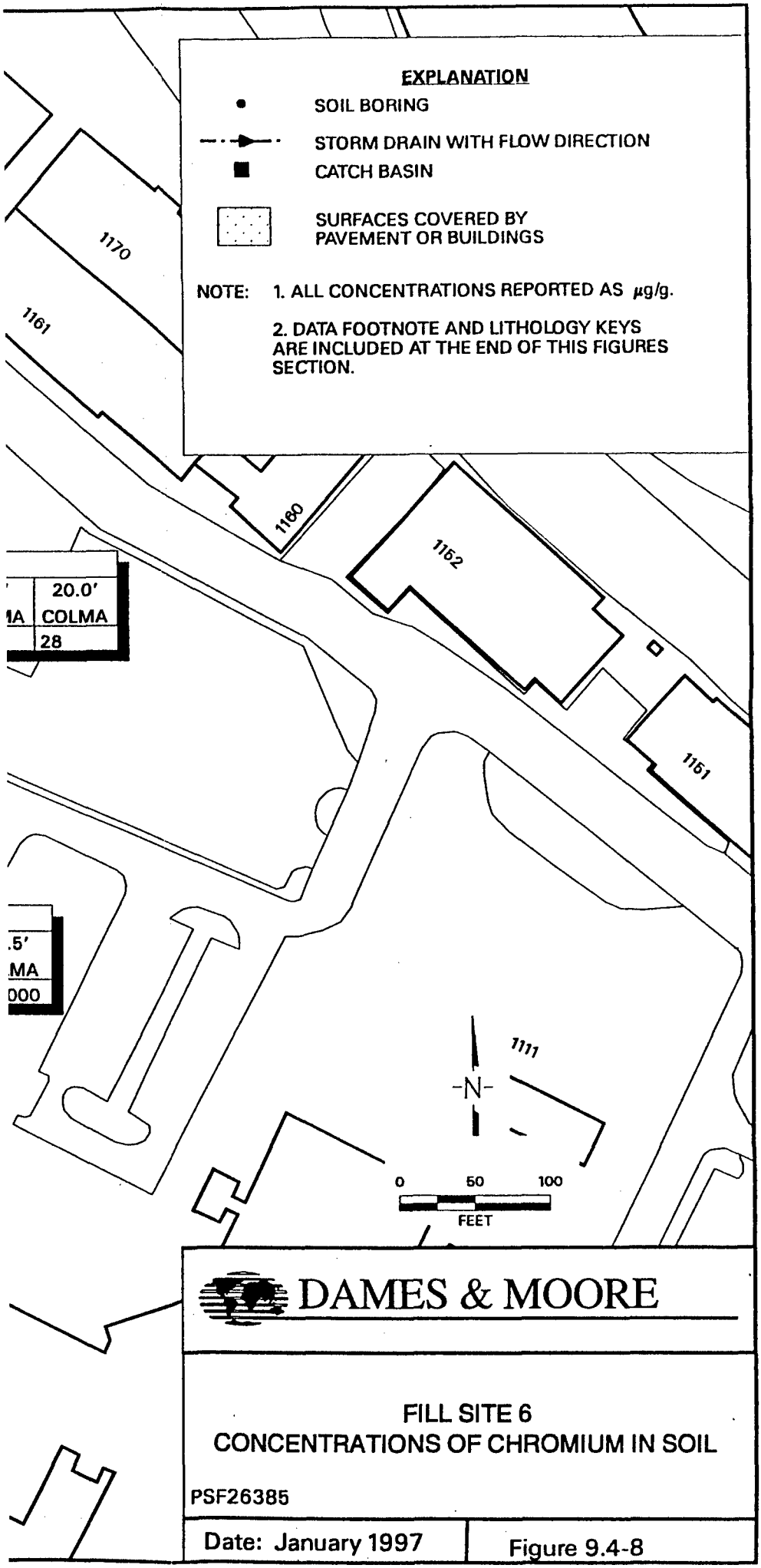


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12 Sep 96 10:19:50 Thursday


EXP
SOIL BORING
STORM DRAIN
CATCH BASIN
SURFACES CC
PAVEMENT OF
NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE
ARE INCLUDED AT
SECTION.
LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Chromium | 48.6 | 26.4 | 41.8
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Chromium | 41.4 | 42.1 | 28
LF6SO01
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Chromium | 126.387 | 107.000
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Chromium | 91.8 | 52.3 | 36.9
THORNBURG
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
FILL SITE 6
1063
1062
1087
1047
1162
1170
1161
1160
1059
1057
1056
1050
1049
1006
1007
1008
1009
1004
1002
1001
1013
1012
1000
DAMES
FILL
CONCENTRATIONS
PSF26385
Date: January 1997



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26385

Date: January 1997

Figure 9.4-8

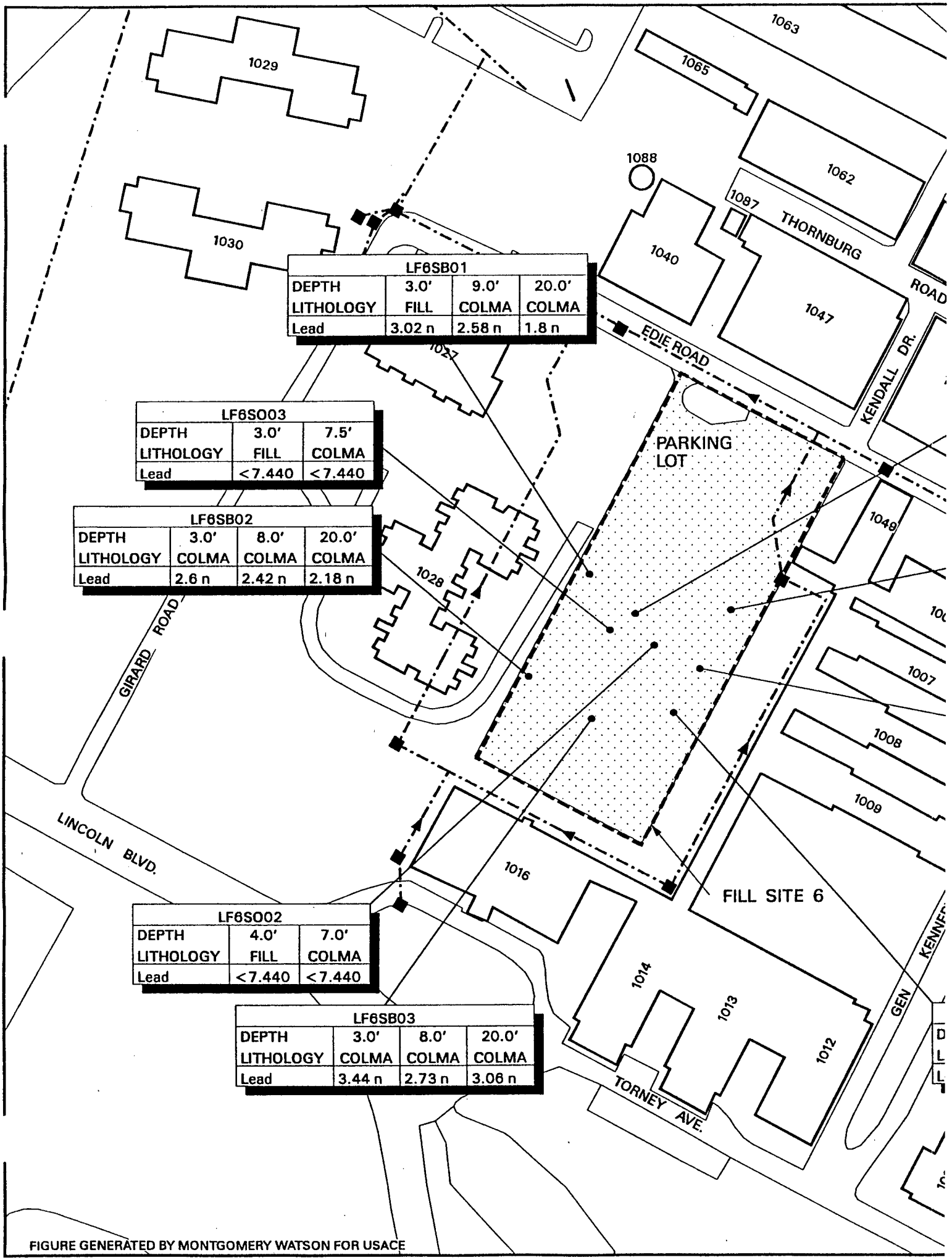
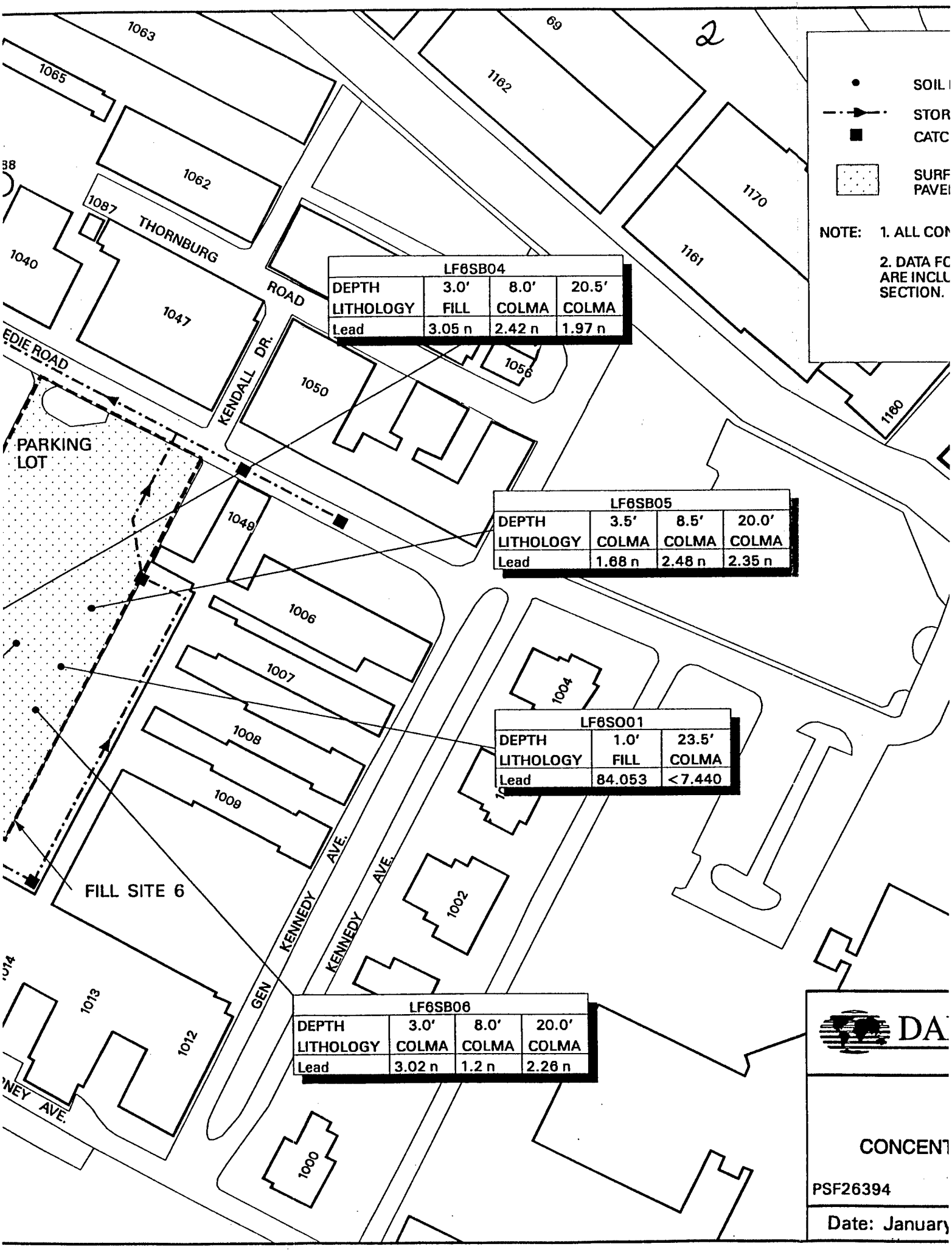
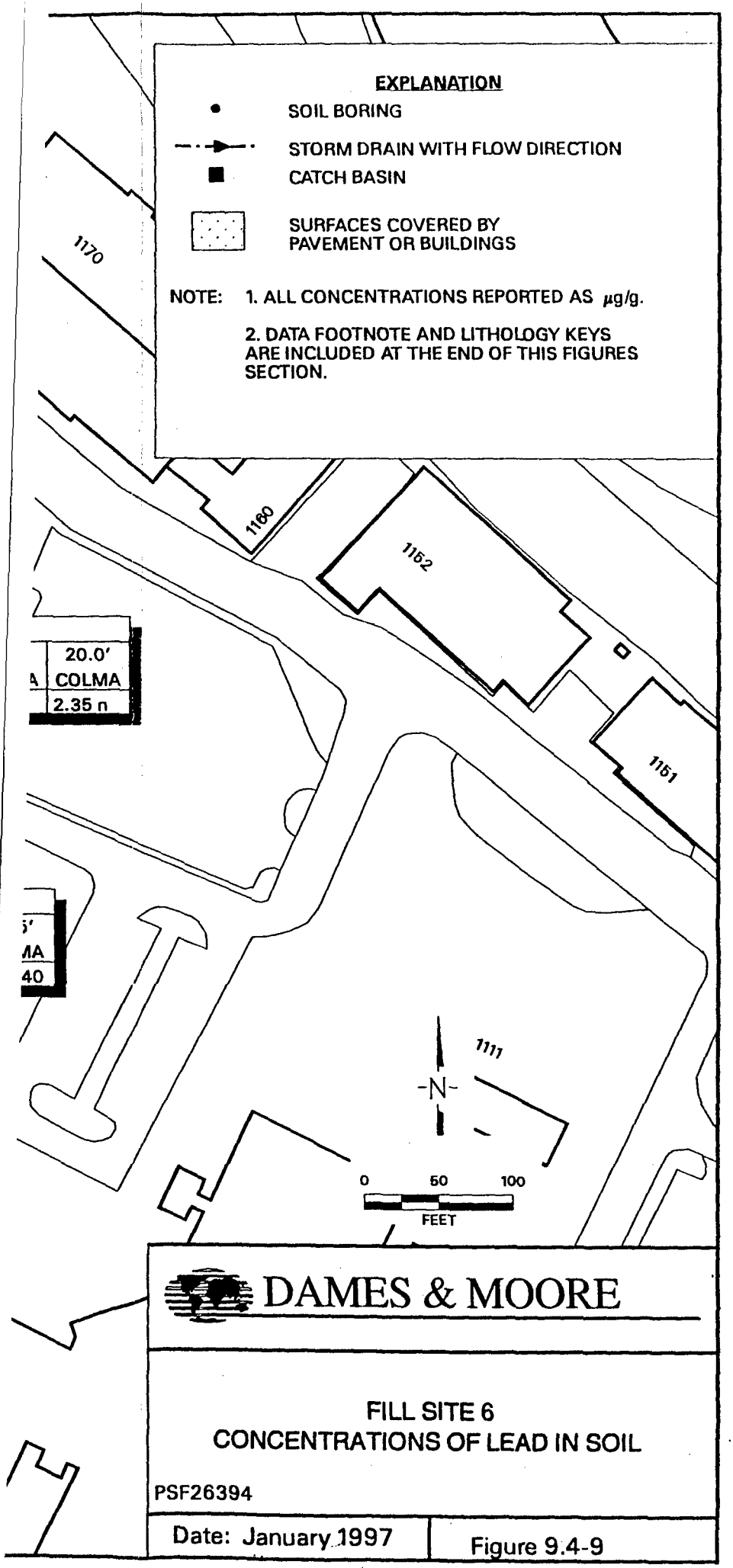


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12 Sep 96 10:22:03 Thursday 11x17_v3.aml, plotfile here_FS6_S_12.grn, PSF


LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Lead | 3.05 n | 2.42 n | 1.97 n
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Lead | 1.68 n | 2.48 n | 2.35 n
LF6SO01
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Lead | 84.053 | <7.440
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Lead | 3.02 n | 1.2 n | 2.26 n
PARKING LOT
FILL SITE 6
THORNBURG ROAD
KENDALL DR.
KENNEDY AVE.
GEN KENNEDY AVE.
1063
1065
1062
1087
1040
1047
1050
1056
1048
1006
1007
1008
1009
1004
1002
1000
1012
1013
1162
1170
1161
1160
NOTE: 1. ALL CON
2. DATA FO
ARE INCLU
SECTION.
CONCENT
PSF26394
Date: January



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF LEAD IN SOIL

PSF26394

Date: January 1997

Figure 9.4-9

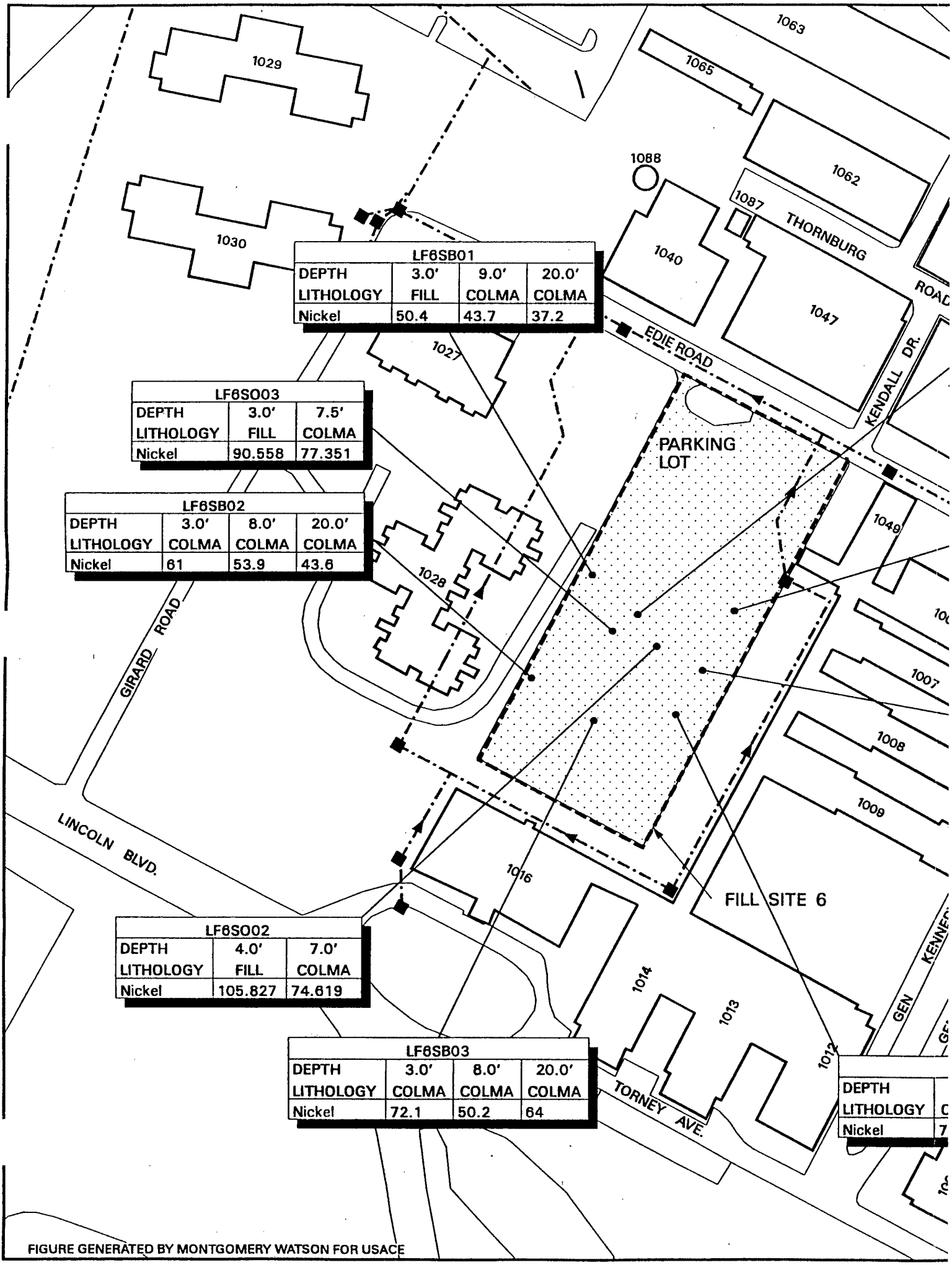
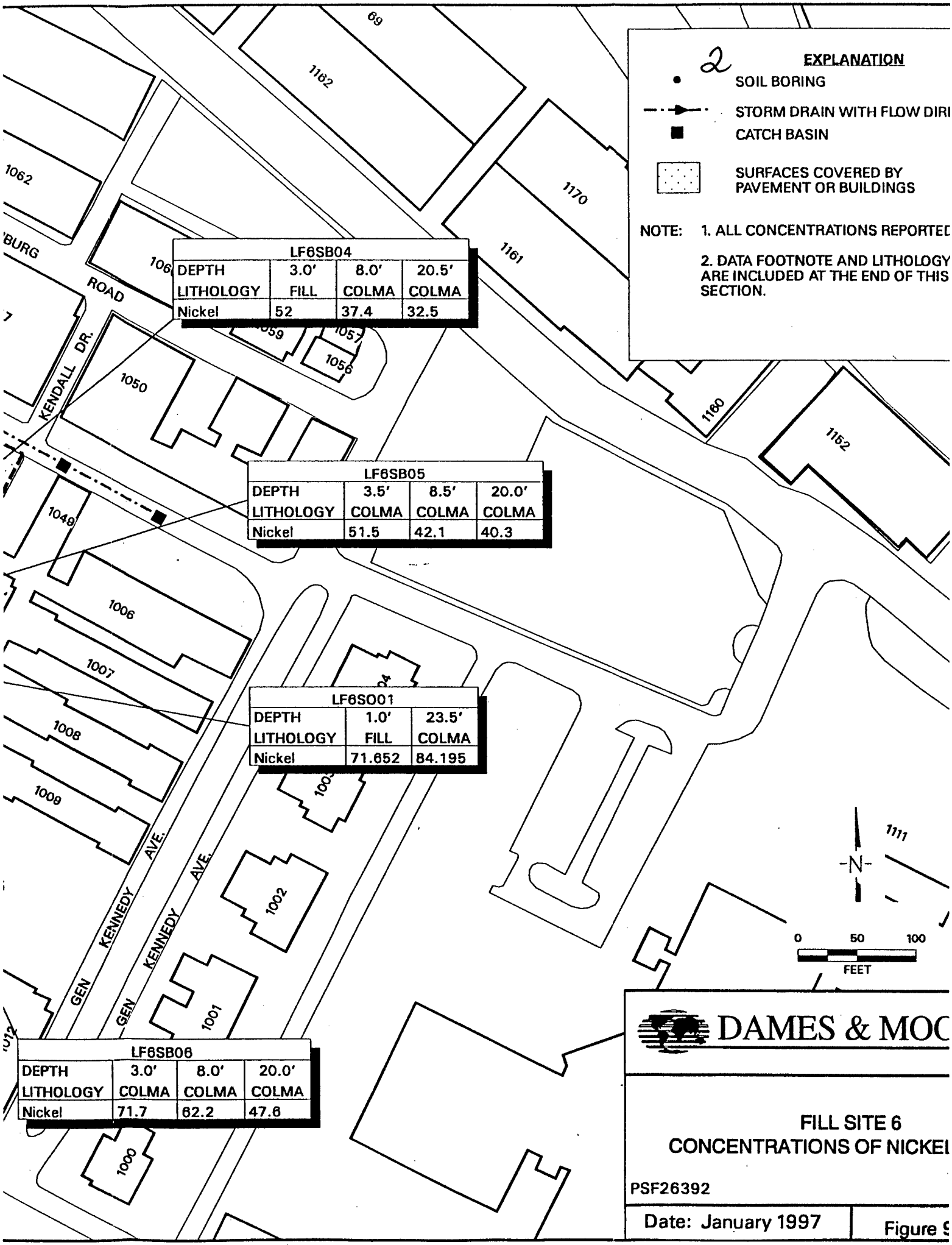
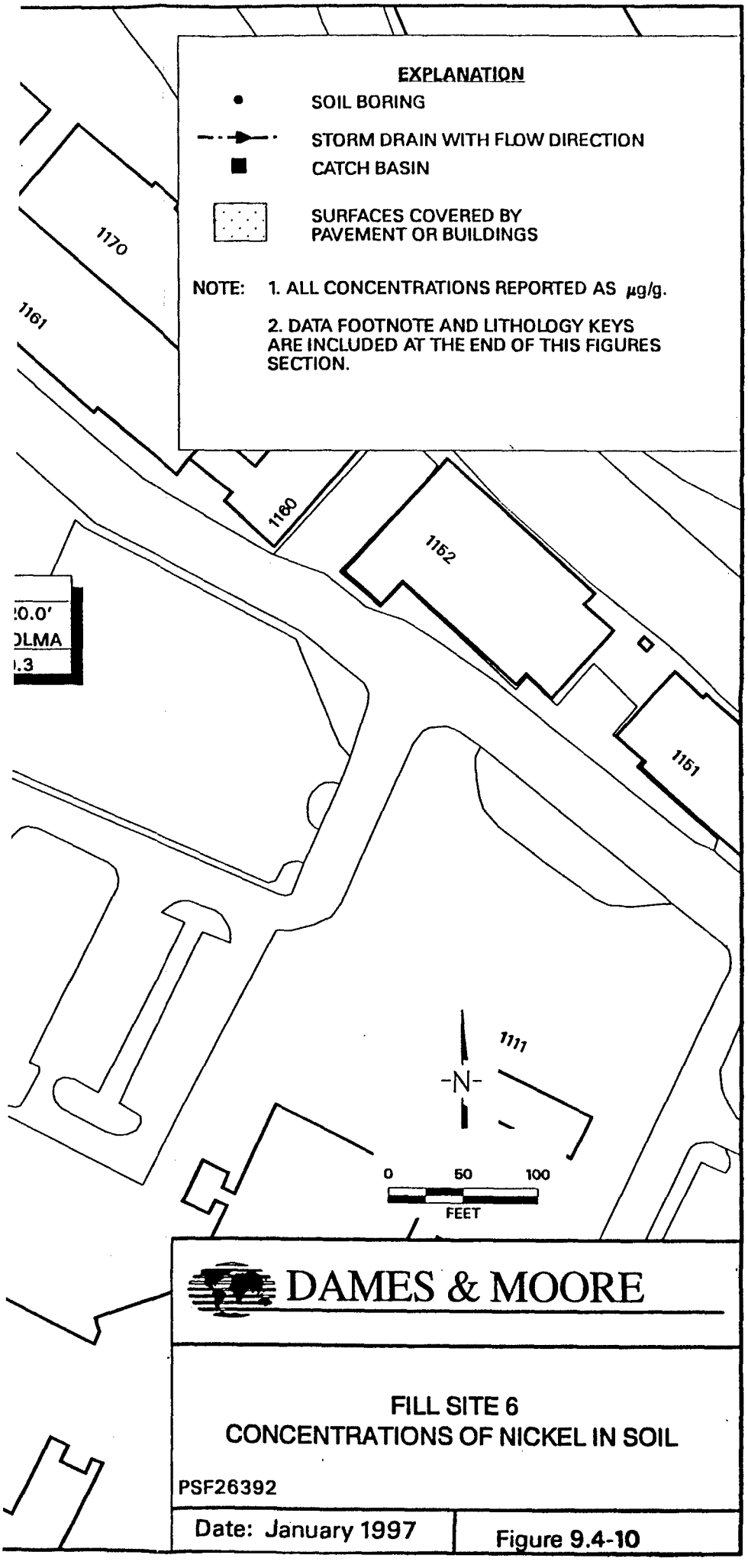


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12-Sep-96 09:48:12 Thursday


EXPLANATION
SOIL BORING
STORM DRAIN WITH FLOW DIRI
CATCH BASIN
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTEI
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Nickel | 52 | 37.4 | 32.5
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Nickel | 51.5 | 42.1 | 40.3
LF6SO01
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Nickel | 71.652 | 84.195
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Nickel | 71.7 | 62.2 | 47.6
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
ROAD
1162
1170
1161
1160
1162
1050
1049
1006
1007
1008
1009
1002
1001
1000
1111
N
0 50 100
FEET
DAMES & MOC
FILL SITE 6
CONCENTRATIONS OF NICKEI
PSF26392
Date: January 1997
Figure 9



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF NICKEL IN SOIL

PSF26392

Date: January 1997

Figure 9.4-10

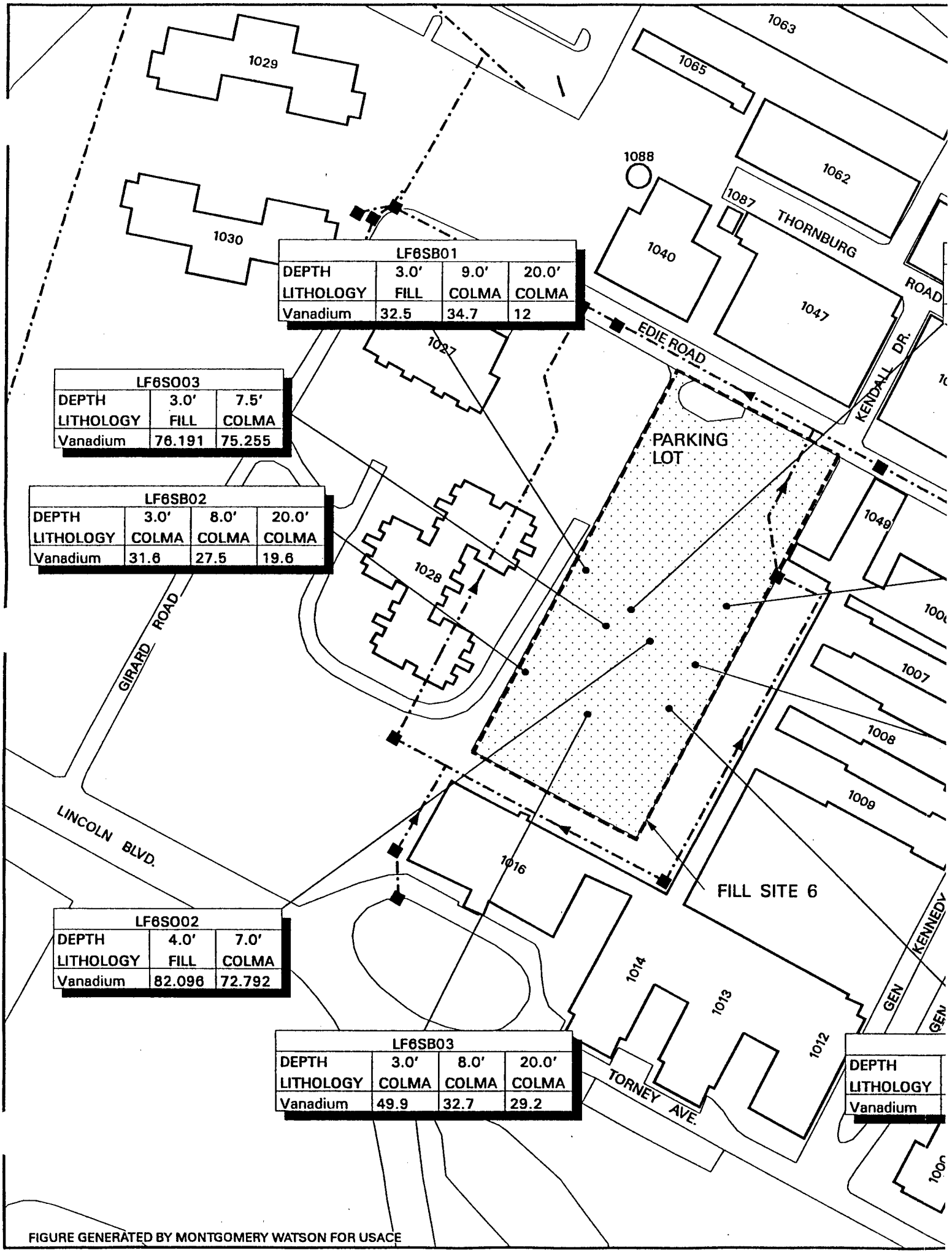
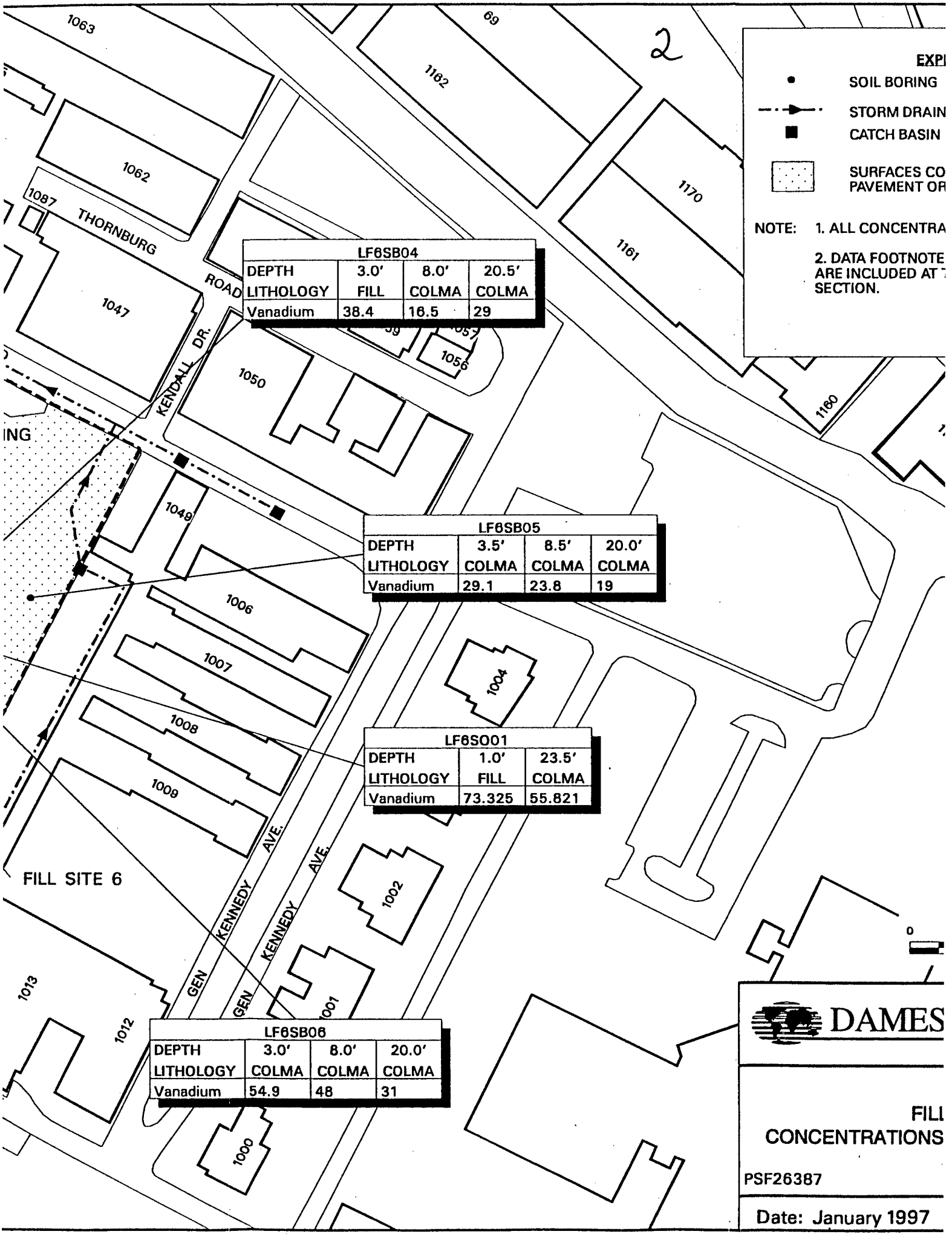
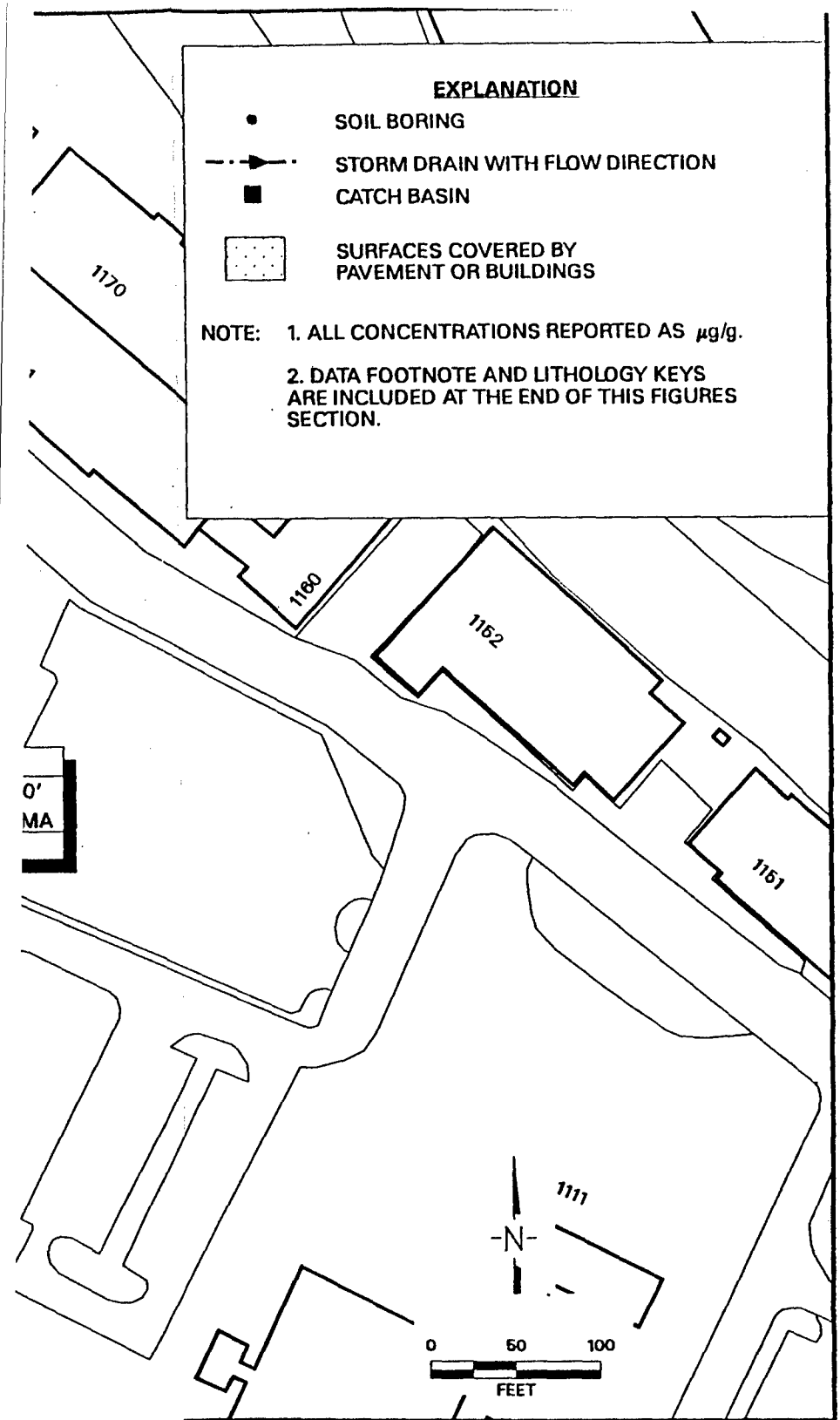


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPI
SOIL BORING
STORM DRAIN
CATCH BASIN
SURFACES CO
PAVEMENT OR
NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE
ARE INCLUDED AT
SECTION.
LF6SB04
DEPTH | 3.0' | 8.0' | 20.5'
LITHOLOGY | FILL | COLMA | COLMA
Vanadium | 38.4 | 16.5 | 29
LF6SB05
DEPTH | 3.5' | 8.5' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Vanadium | 29.1 | 23.8 | 19
LF6SO01
DEPTH | 1.0' | 23.5'
LITHOLOGY | FILL | COLMA
Vanadium | 73.325 | 55.821
LF6SB06
DEPTH | 3.0' | 8.0' | 20.0'
LITHOLOGY | COLMA | COLMA | COLMA
Vanadium | 54.9 | 48 | 31
THORNBURG ROAD
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
FILL SITE 6
1063
1062
1087
1047
1050
1049
1006
1007
1008
1009
1004
1002
1001
1000
1012
1013
1162
1170
1161
1160
1056
69
2
DAMES
FILL
CONCENTRATIONS
PSF26387
Date: January 1997



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF VANADIUM IN SOIL

PSF26387

Date: January 1997 | Figure 9.4-11

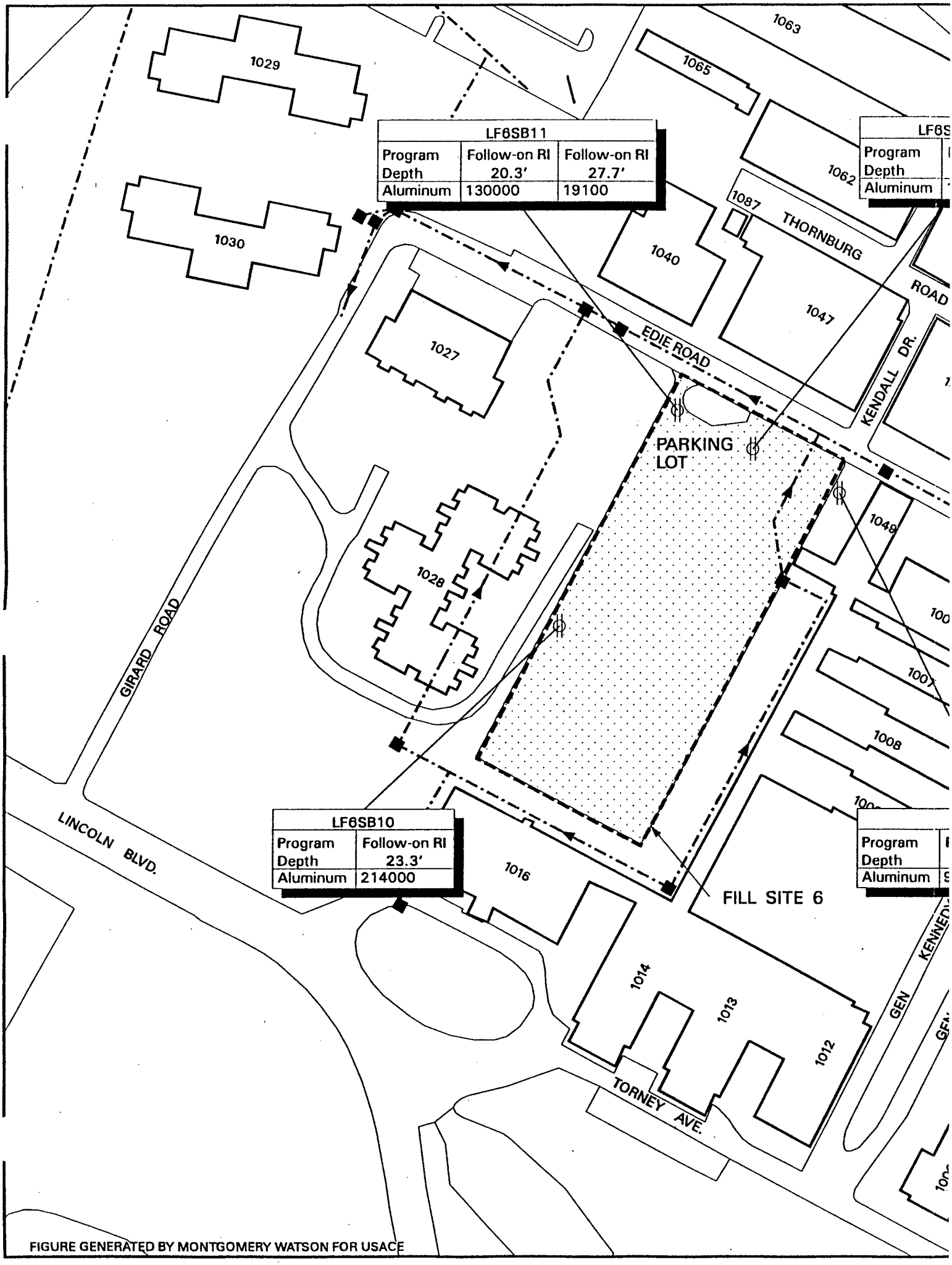
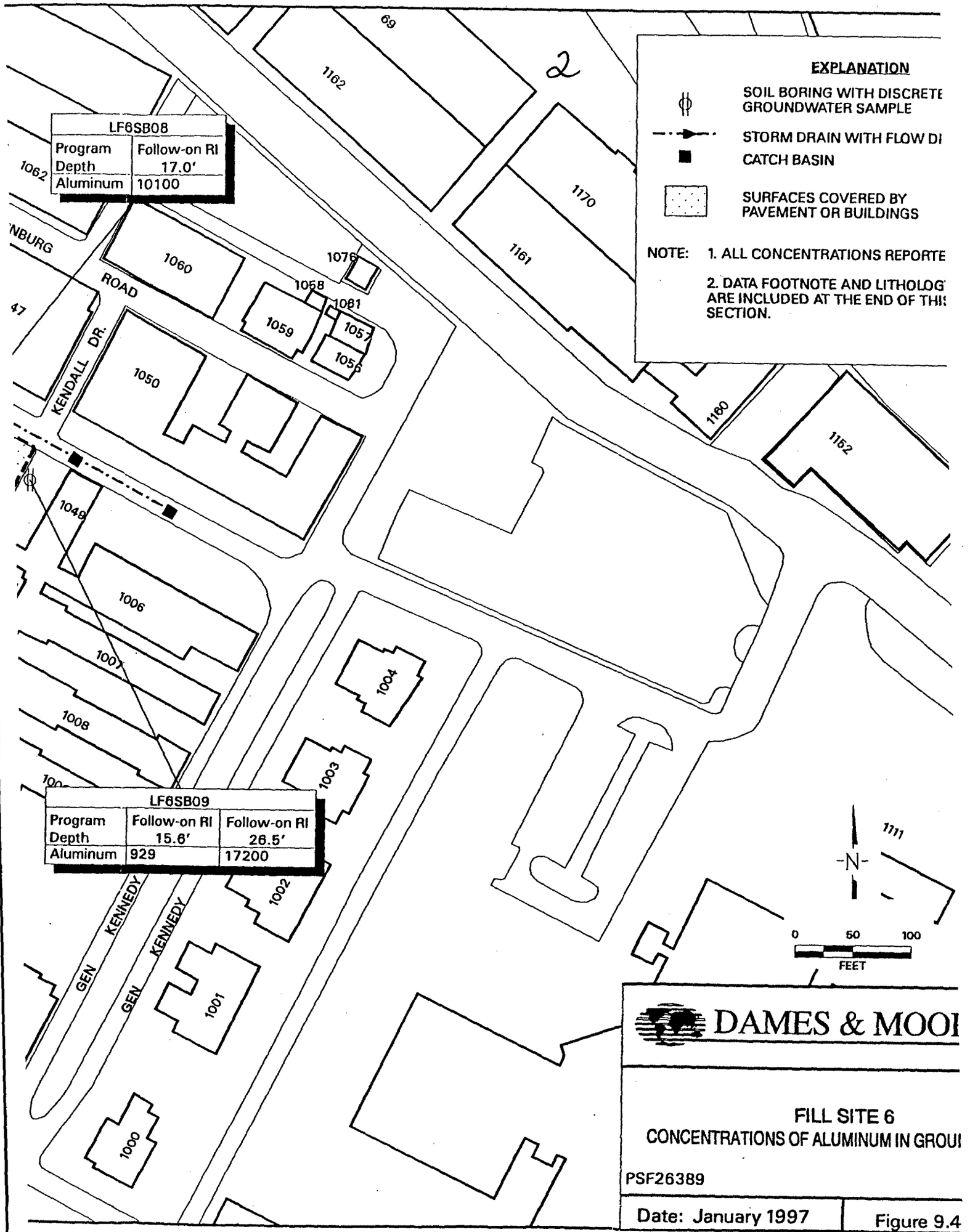


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



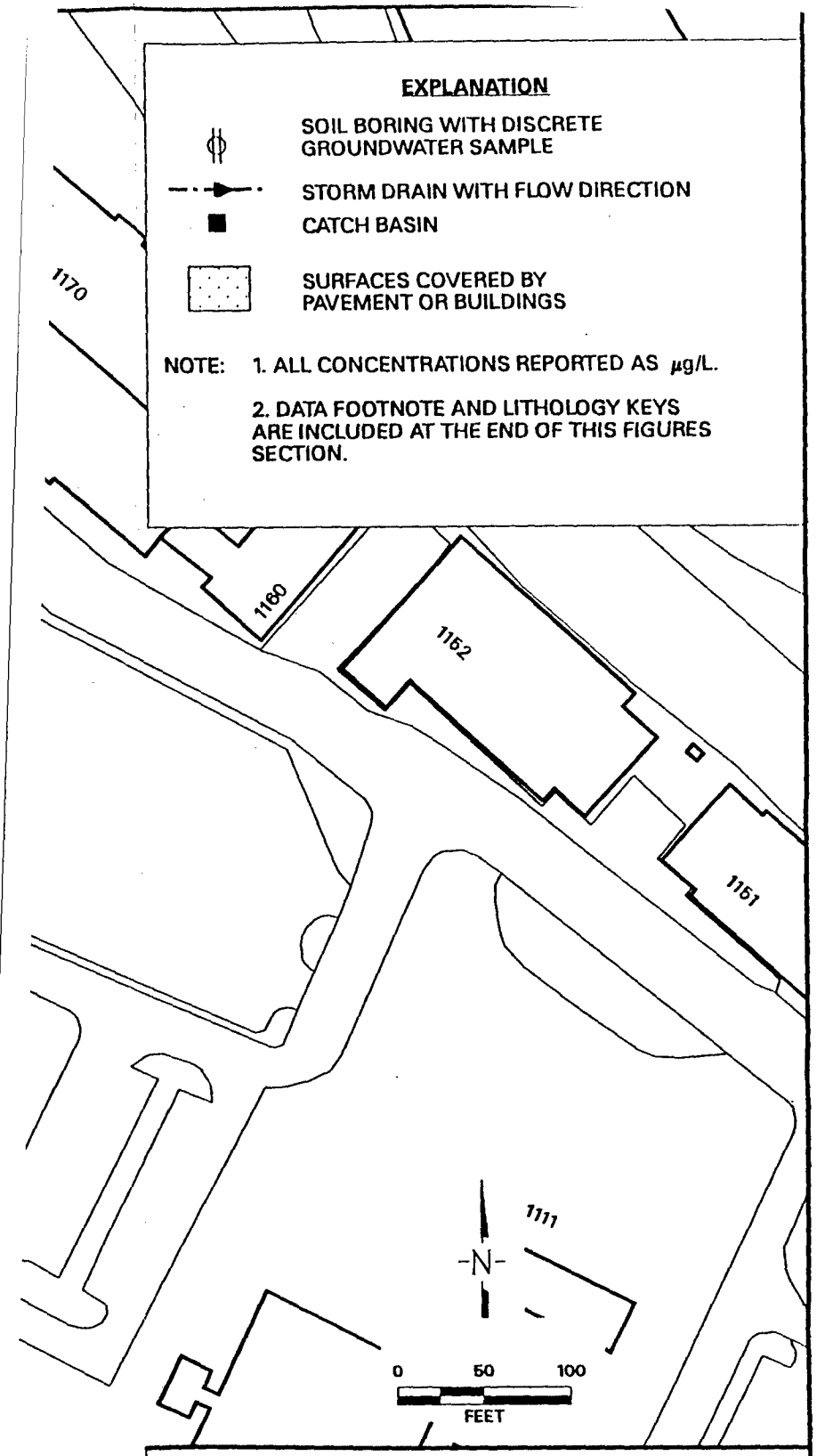
DAMES & MOOI

FILL SITE 6
CONCENTRATIONS OF ALUMINUM IN GROUI

PSF26389

Date: January 1997

Figure 9.4



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF ALUMINUM IN GROUNDWATER

PSF26389

Date: January 1997 | Figure 9.4-12

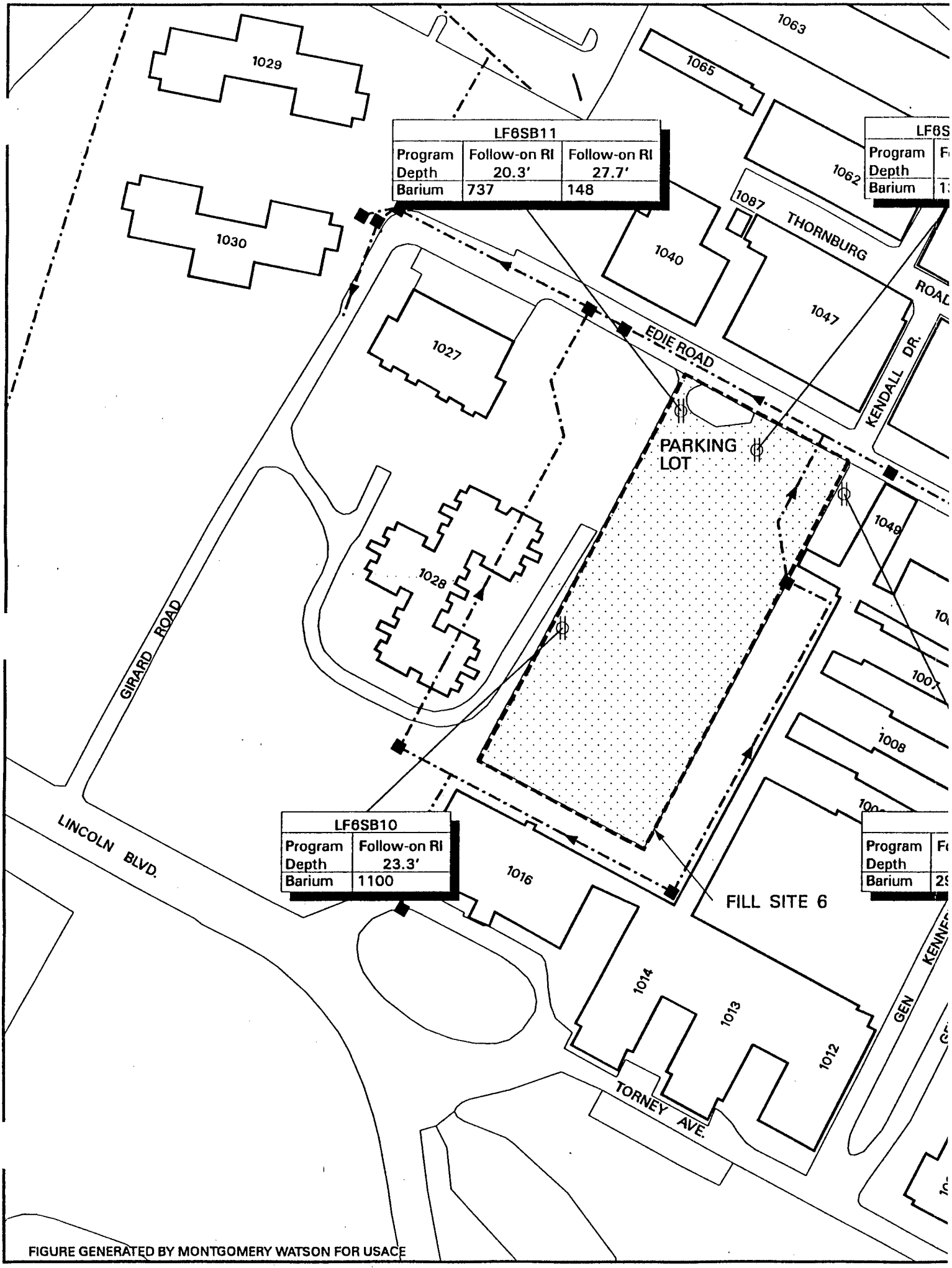
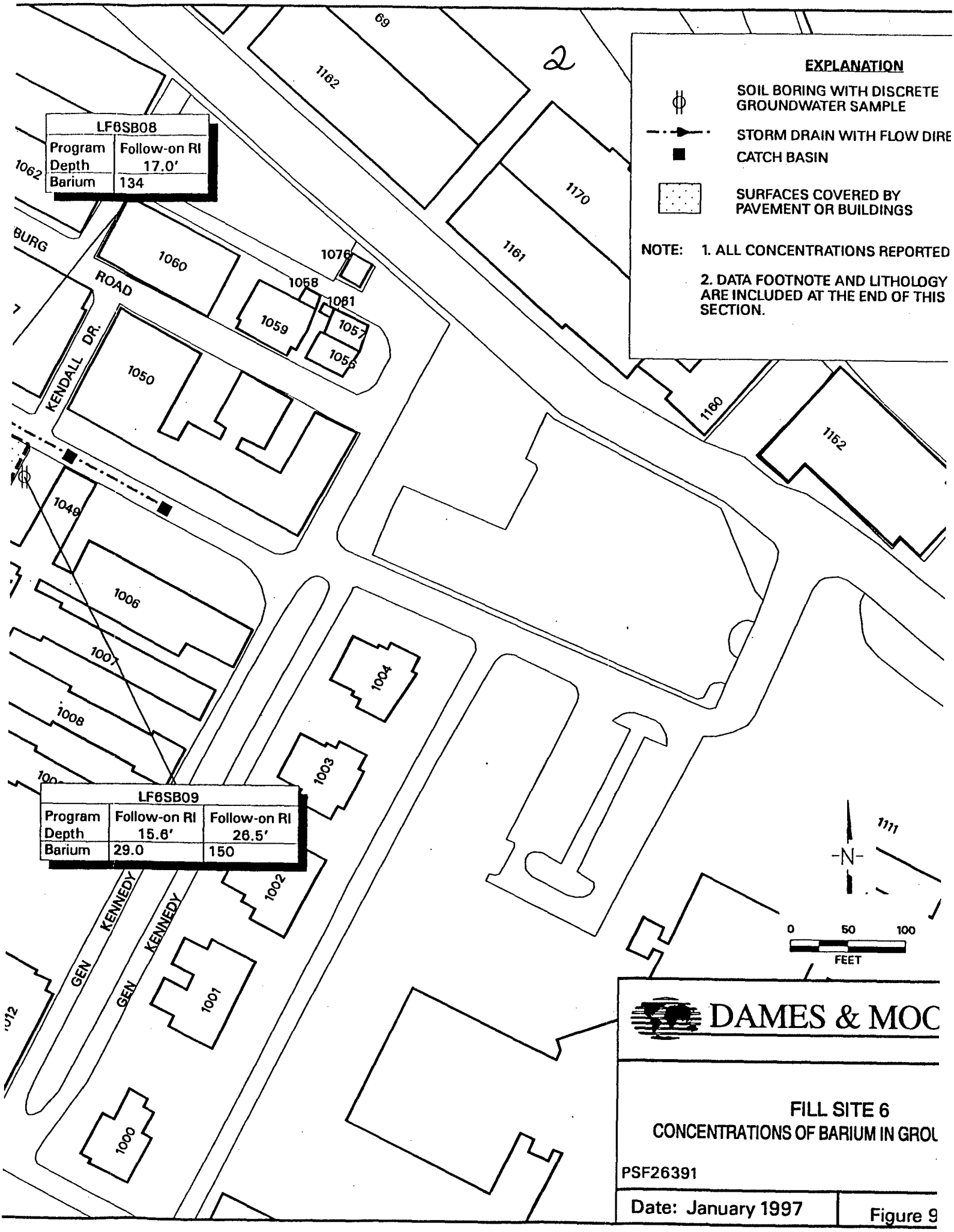
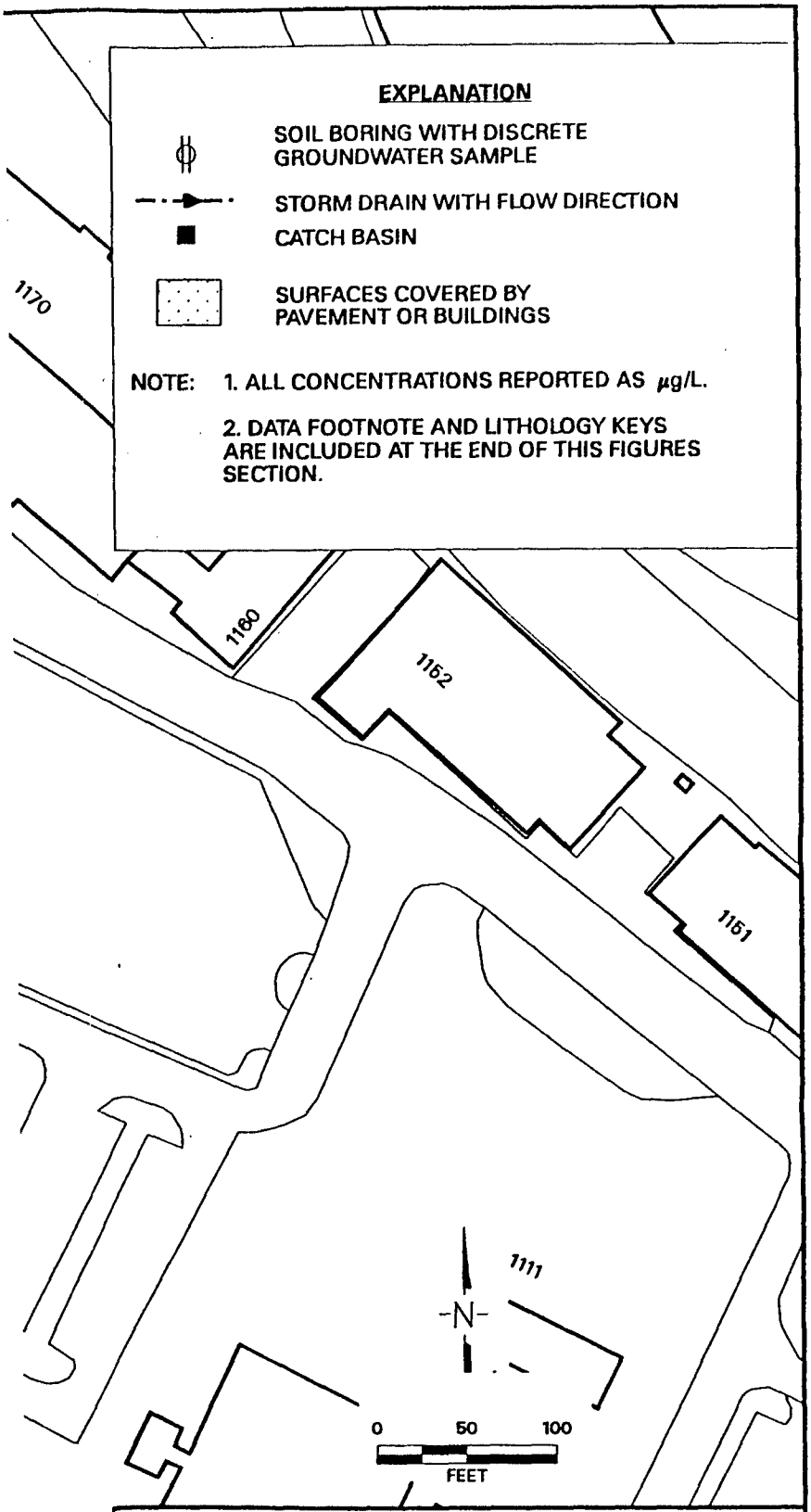


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

11x17_v3.aml, pltdflt base_FS6_H_4.grn, PSF
12 Sep 96 08:52:13 Thursda


EXPLANATION
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW DIRE
CATCH BASIN
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
LF6SB08
Program | Follow-on RI
Depth | 17.0'
Barium | 134
LF6SB09
Program | Follow-on RI | Follow-on RI
Depth | 15.6' | 26.5'
Barium | 29.0 | 150
BURG ROAD
KENDALL DR.
GEN KENNEDY
GEN KENNEDY
1162
1170
1161
1160
1152
1111
1076
1058
1061
1057
1056
1059
1060
1062
1050
1049
1006
1007
1008
1004
1003
1002
1001
1000
N
0 50 100
FEET
DAMES & MOC
FILL SITE 6
CONCENTRATIONS OF BARIUM IN GROU
PSF26391
Date: January 1997
Figure 9

3



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF BARIUM IN GROUNDWATER

PSF26391

Date: January 1997

Figure 9.4-13

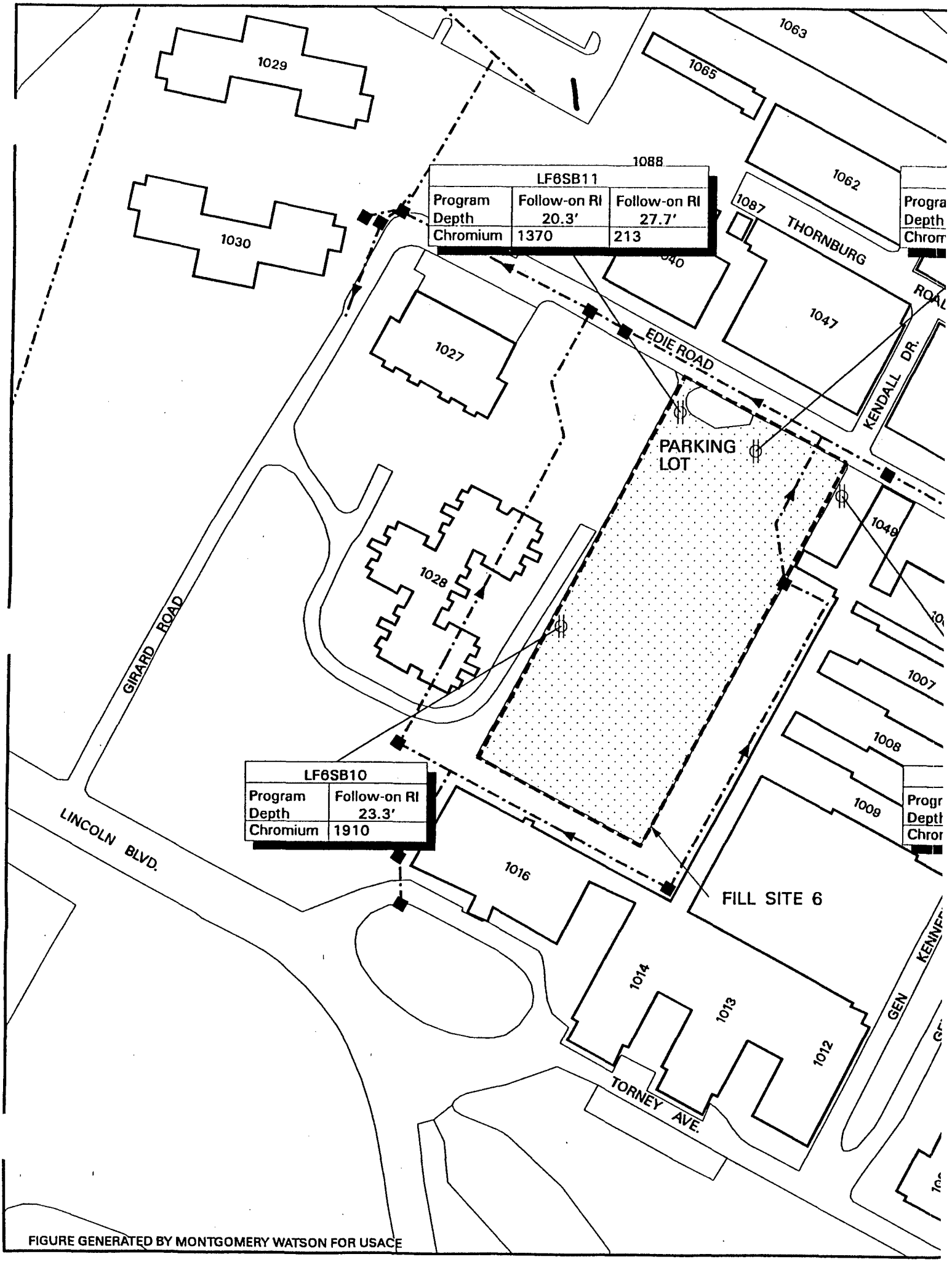
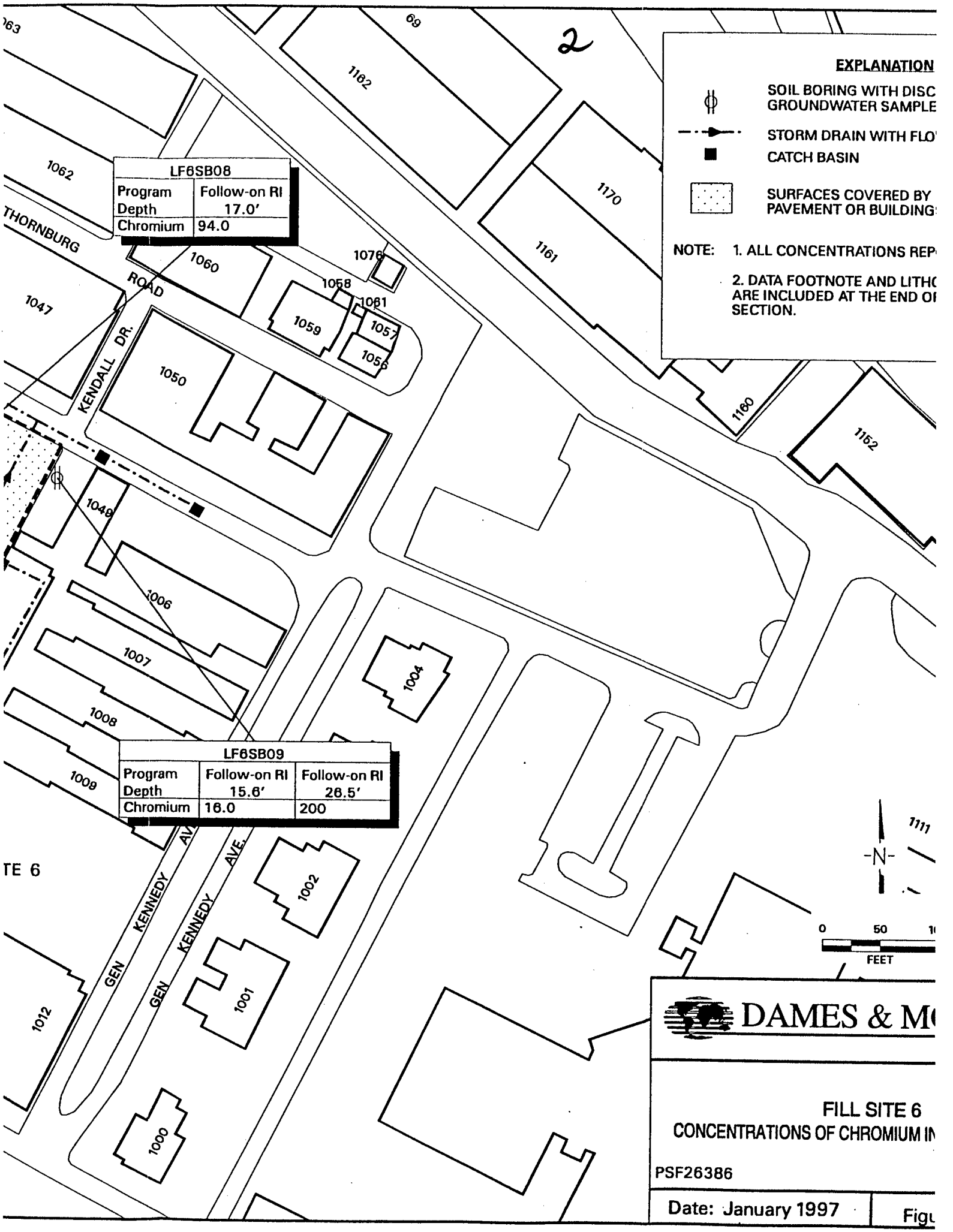
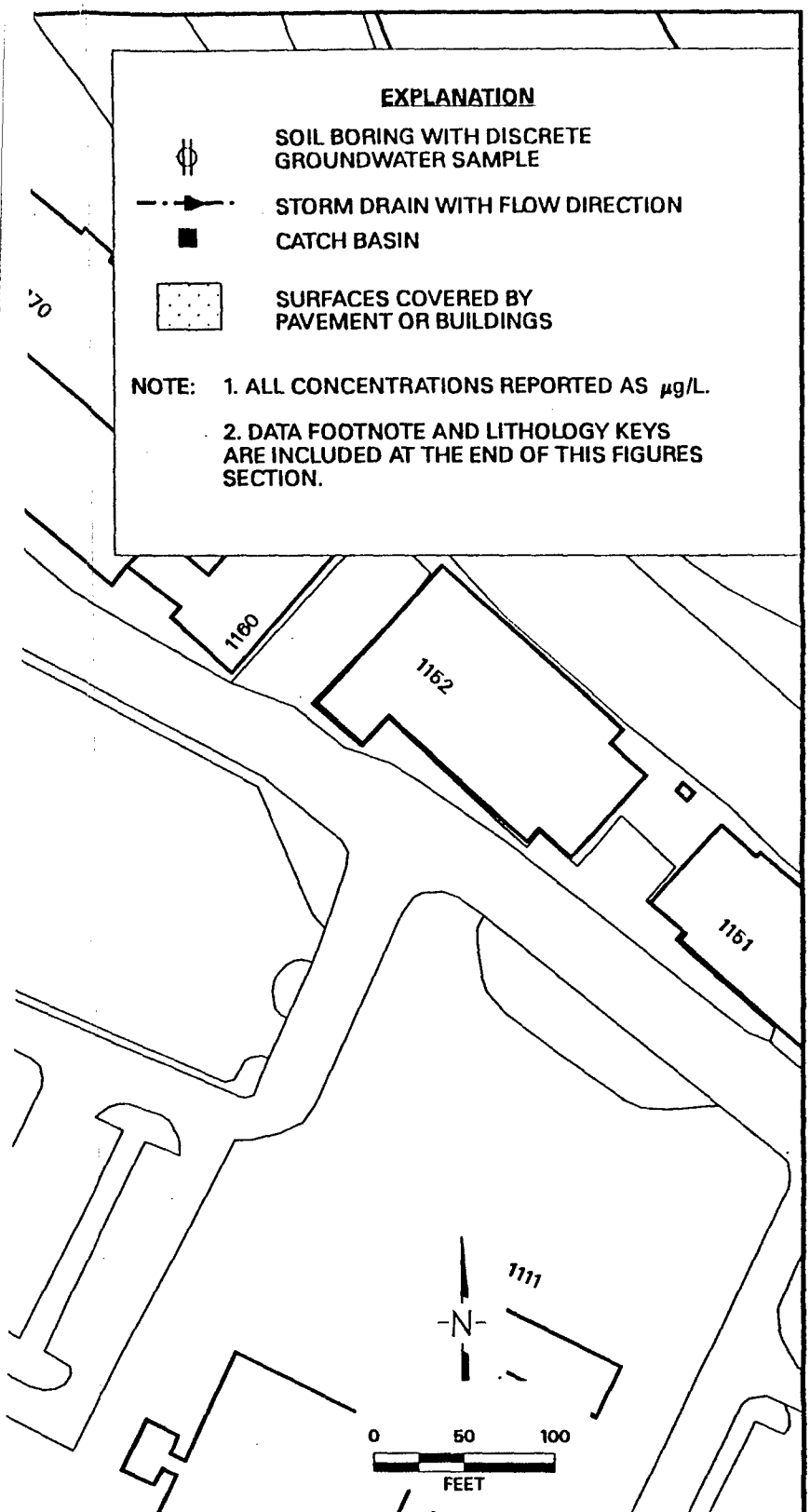


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

12-Sep-96 08:53:15 Thursday 11x17_v3.aml, plotfile here_PSX_H_7.grn. PSF


EXPLANATION
SOIL BORING WITH DISC
GROUNDWATER SAMPLE
STORM DRAIN WITH FLO
CATCH BASIN
SURFACES COVERED BY
PAVEMENT OR BUILDING
NOTE: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITHO
ARE INCLUDED AT THE END OF
SECTION.
LF6SB08
Program Follow-on RI
Depth 17.0'
Chromium 94.0
LF6SB09
Program Follow-on RI Follow-on RI
Depth 15.6' 26.5'
Chromium 16.0 200
THORNBURG ROAD
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
1062
1047
1060
1076
1058
1081
1059
1057
1056
1050
1049
1006
1007
1008
1009
1004
1002
1001
1000
1012
1182
1170
1161
1160
1162
1111
N
0
50
FEET
TE 6
DAMES & M
FILL SITE 6
CONCENTRATIONS OF CHROMIUM IN
PSF26386
Date: January 1997
Figu



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

PSF26386

Date: January 1997

Figure 9.4-14

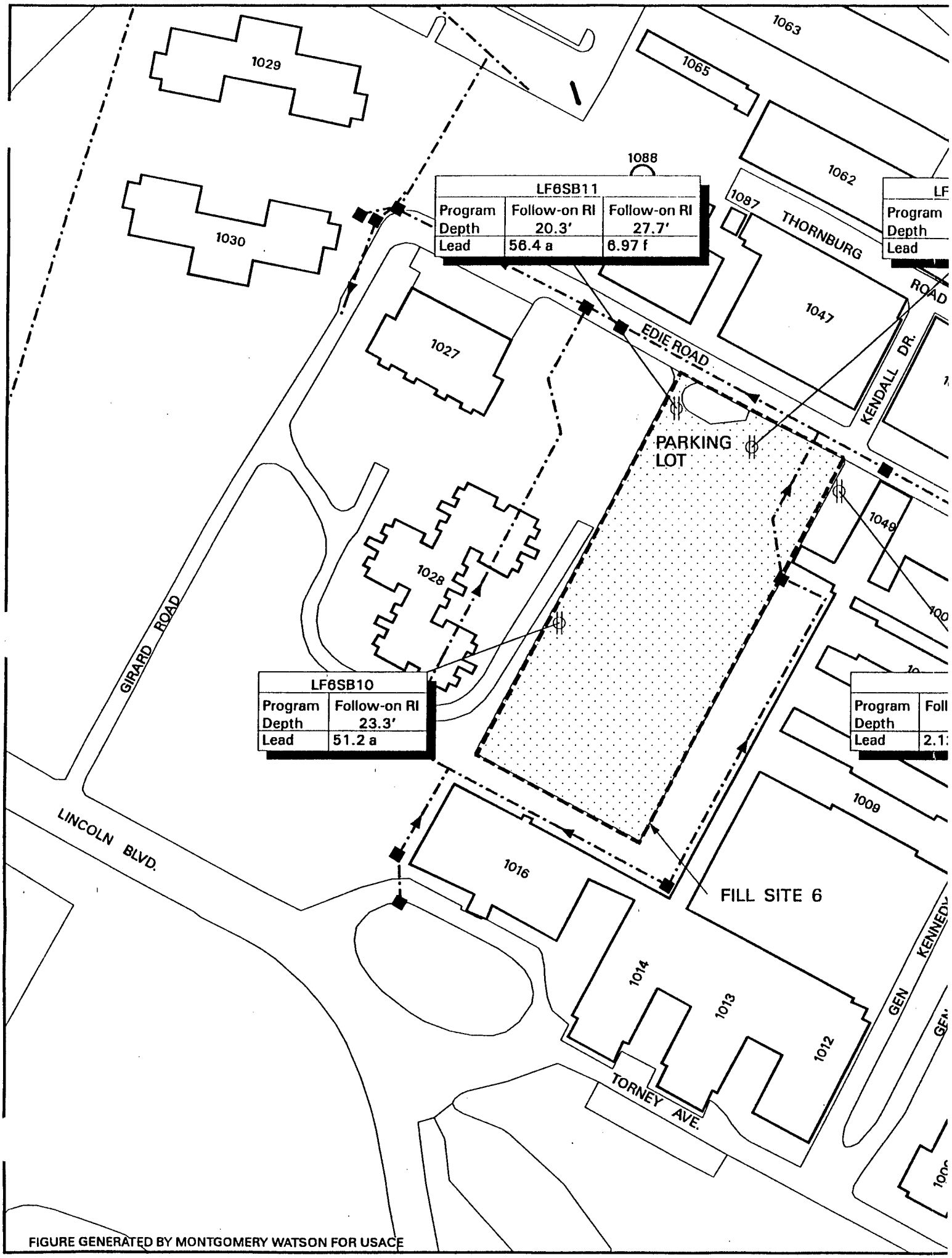
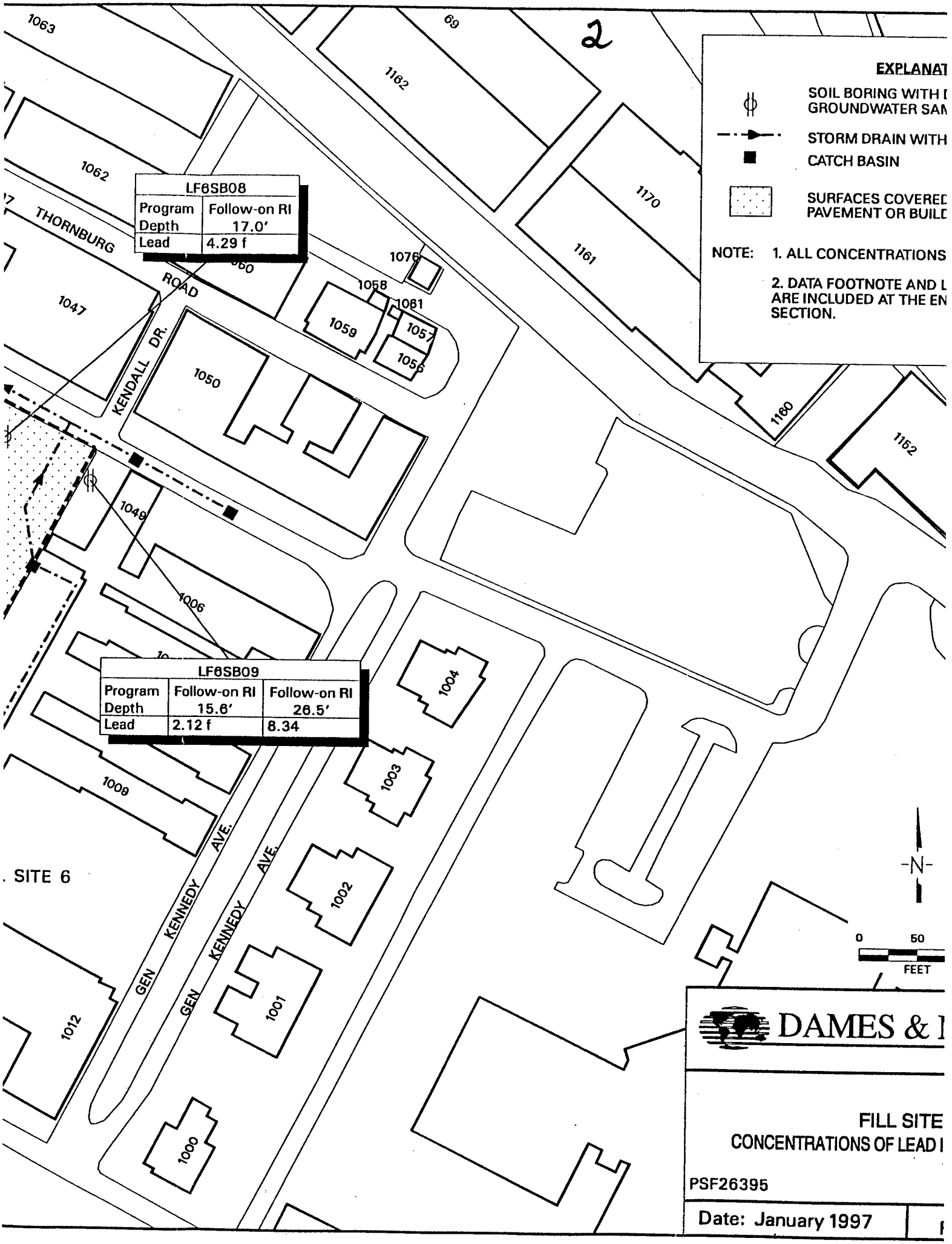
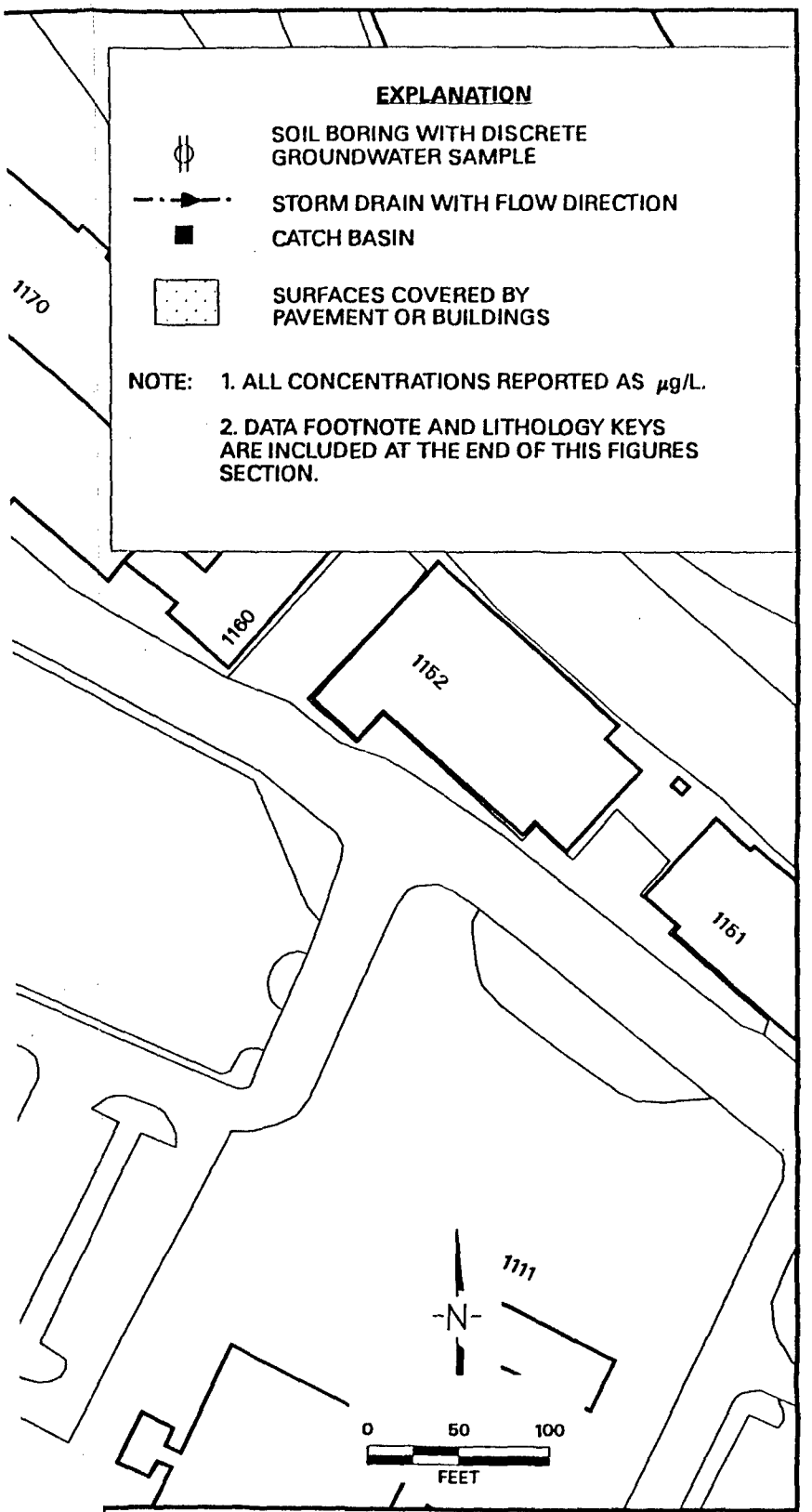


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANAT
SOIL BORING WITH
GROUNDWATER SAM
STORM DRAIN WITH
CATCH BASIN
SURFACES COVERED
PAVEMENT OR BUILD
NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND L
ARE INCLUDED AT THE EN
SECTION.
LF6SB08
Program | Follow-on RI
Depth | 17.0'
Lead | 4.29 f
LF6SB09
Program | Follow-on RI | Follow-on RI
Depth | 15.6' | 26.5'
Lead | 2.12 f | 8.34
THORNBURG ROAD
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
1063
1062
1047
1050
1059
1058
1081
1057
1056
1076
1048
1006
1009
1004
1003
1002
1001
1012
1000
1162
1161
1170
1160
69
SITE 6
-N-
0 50
FEET
DAMES &
FILL SITE
CONCENTRATIONS OF LEAD I
PSF26395
Date: January 1997

3



DAMES & MOORE

FILL SITE 6
CONCENTRATIONS OF LEAD IN GROUNDWATER

PSF26395

Date: January 1997

Figure 9.4-15

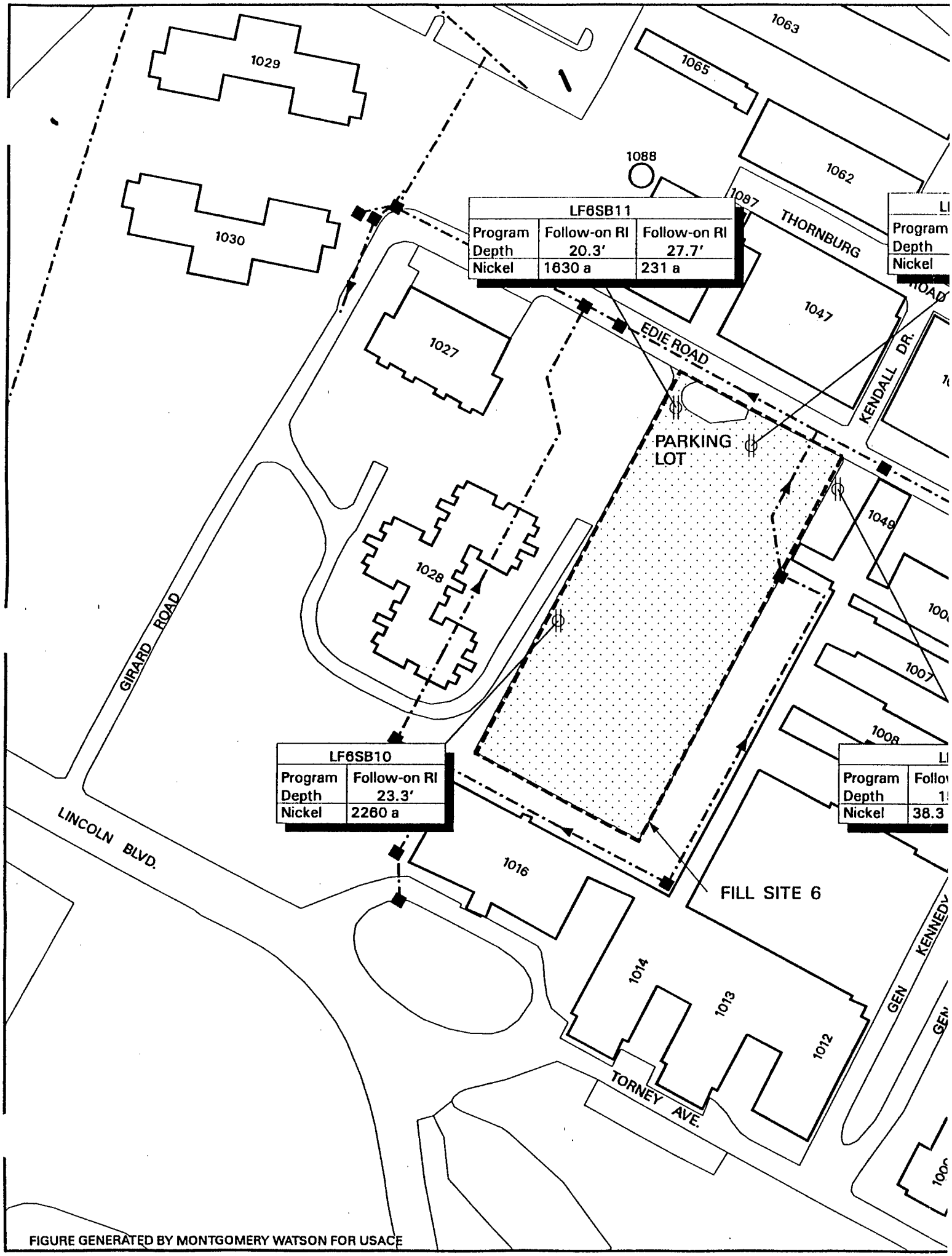
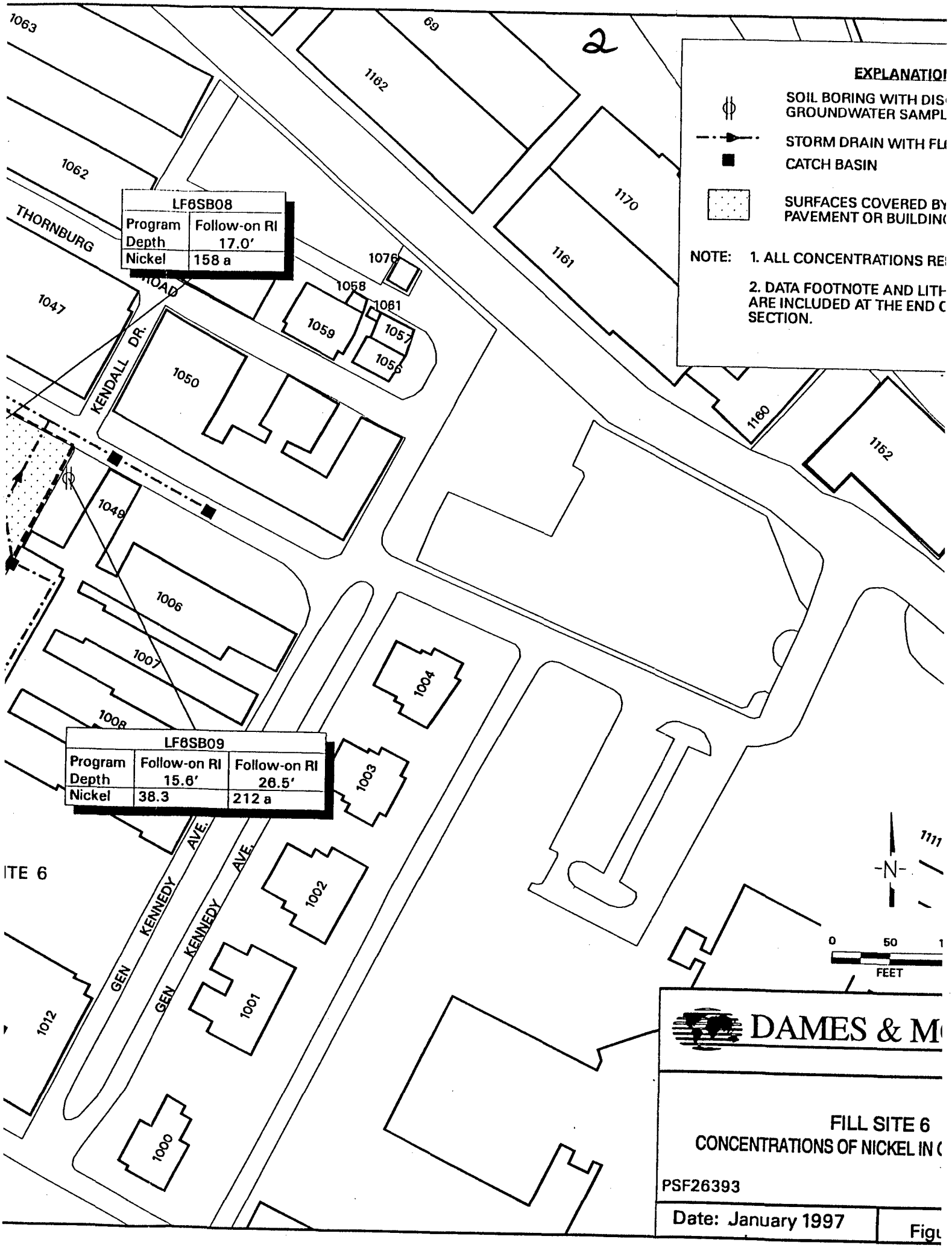
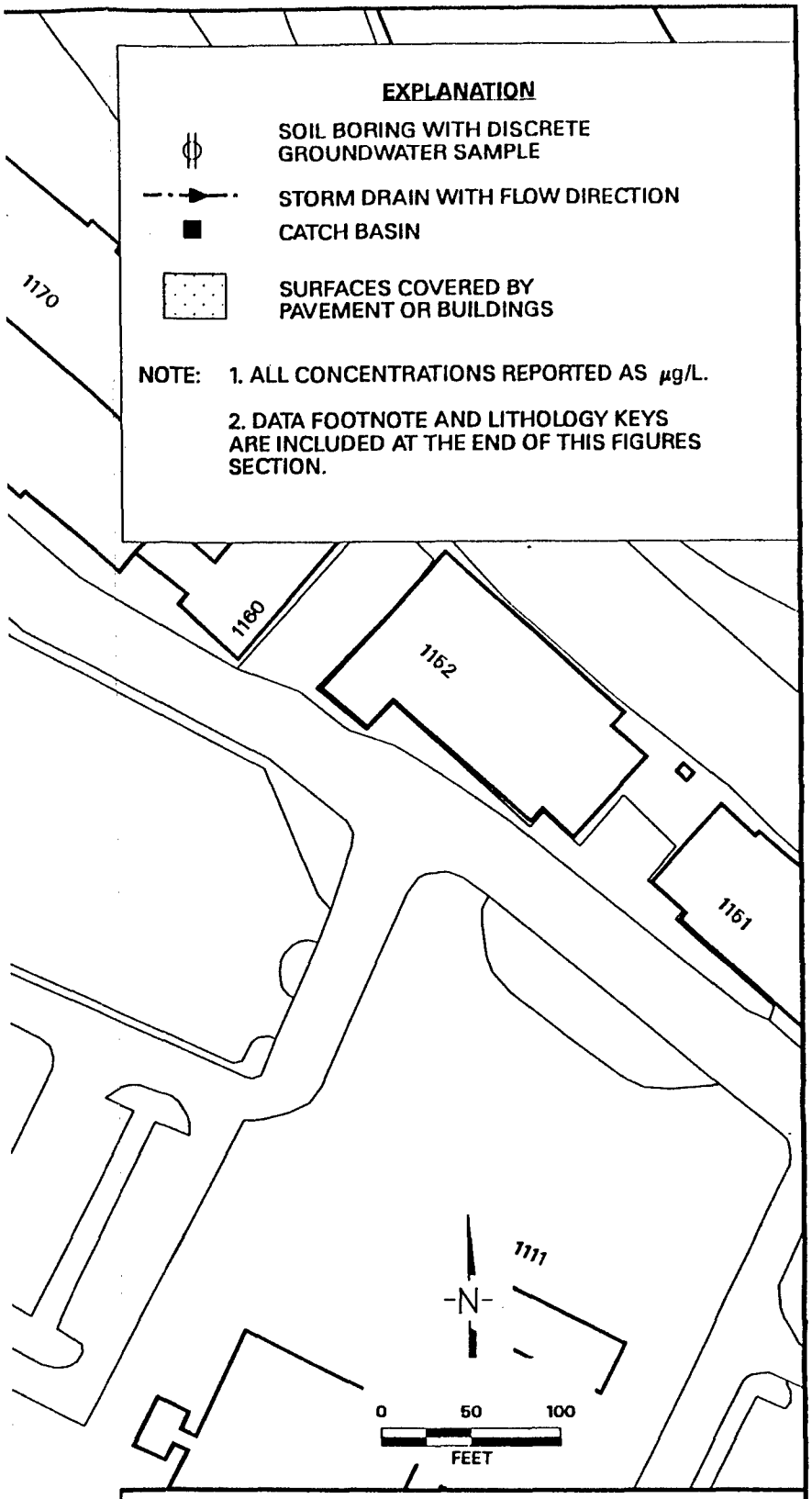


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATIO
SOIL BORING WITH DIS
GROUNDWATER SAMPL
STORM DRAIN WITH FL
CATCH BASIN
SURFACES COVERED BY
PAVEMENT OR BUILDIN
NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END C
SECTION.
LF6SB08
Program | Follow-on RI
Depth | 17.0'
Nickel | 158 a
LF6SB09
Program | Follow-on RI | Follow-on RI
Depth | 15.6' | 26.5'
Nickel | 38.3 | 212 a
THORNBURG ROAD
KENDALL DR.
GEN KENNEDY AVE.
GEN KENNEDY AVE.
1063
1062
1047
1050
1049
1006
1007
1008
1012
1000
1001
1002
1003
1004
1076
1058
1061
1059
1057
1056
1162
1170
1161
1160
1152
69
1111
-N-
0
50
FEET
ITE 6
DAMES & M
FILL SITE 6
CONCENTRATIONS OF NICKEL IN (
PSF26393
Date: January 1997
Figu

3



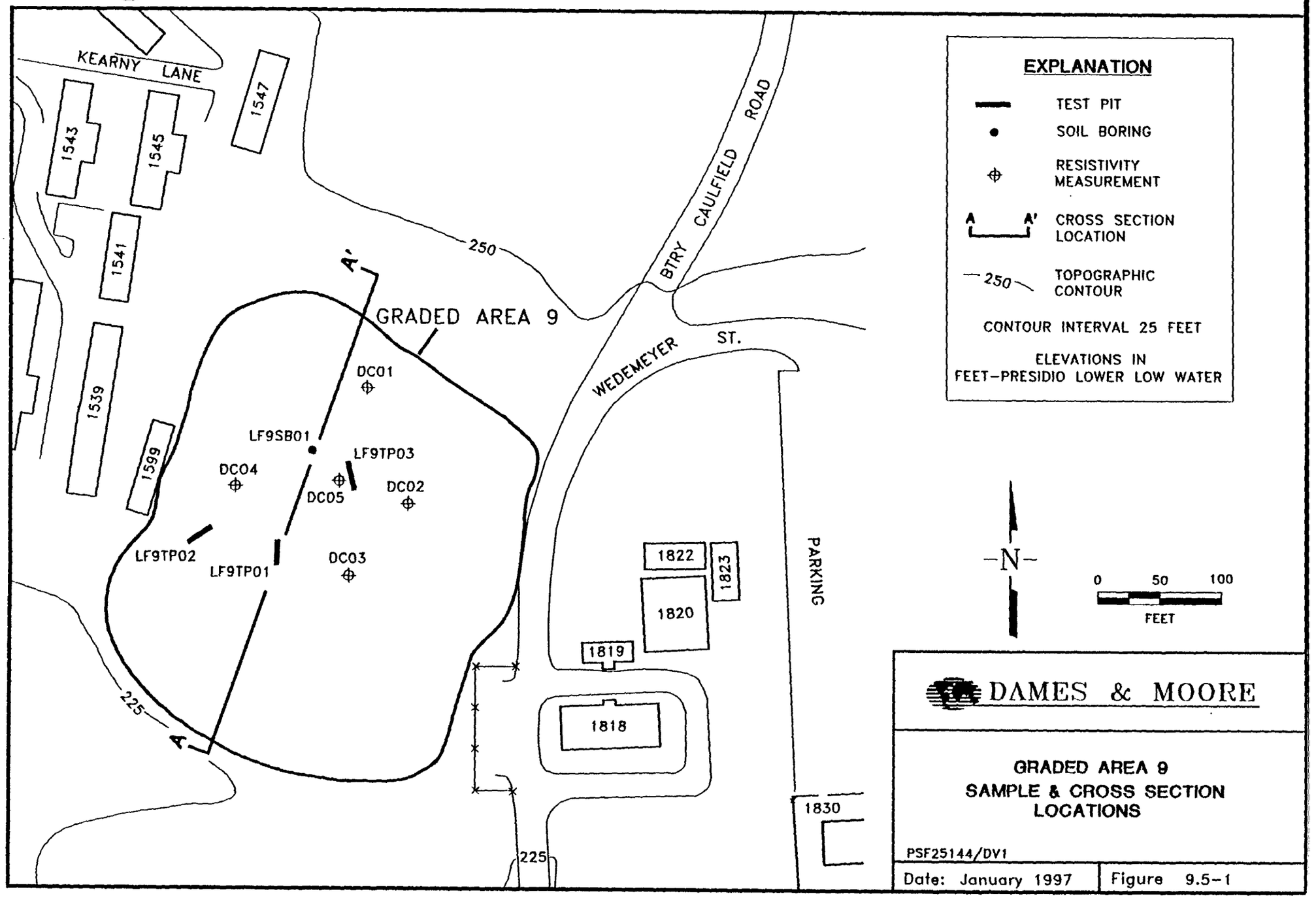
DAMES & MOORE

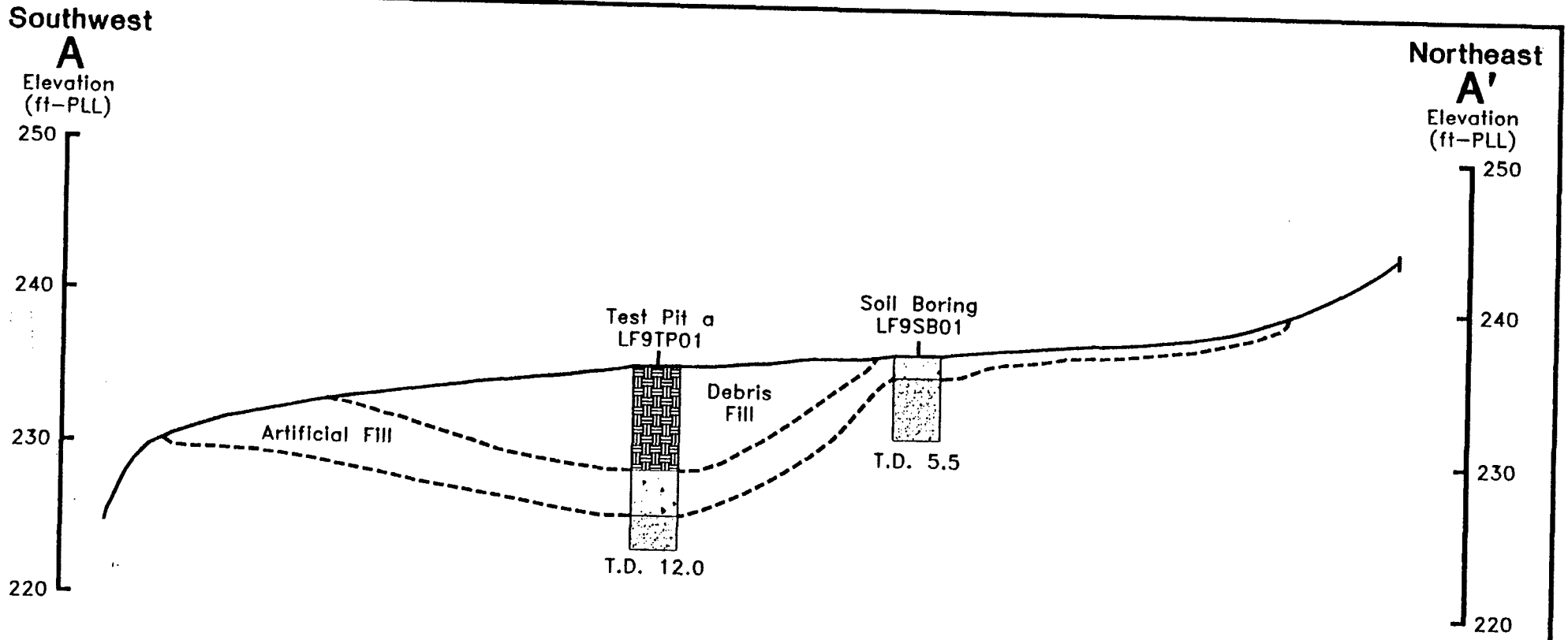
FILL SITE 6
CONCENTRATIONS OF NICKEL IN GROUNDWATER

PSF26393

Date: January 1997

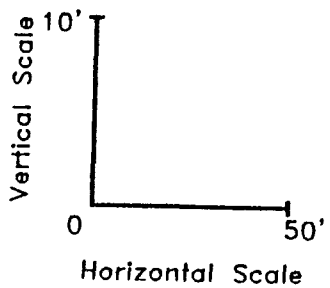
Figure 9.4-16


KEARNY LANE
1543
1545
1547
1541
1539
1599
250
A'
GRADED AREA 9
BTRY CAULFIELD ROAD
WEDEMEYER ST.
DC01
LF9SB01
LF9TP03
DC04
DC05
DC02
LF9TP02
LF9TP01
DC03
1822
1823
1820
1819
1818
PARKING
1830
225
A
EXPLANATION
TEST PIT
SOIL BORING
RESISTIVITY MEASUREMENT
A A' CROSS SECTION LOCATION
250 TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET
ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER
N
0 50 100
FEET
DAMES & MOORE
GRADED AREA 9
SAMPLE & CROSS SECTION LOCATIONS
PSF25144/DV1
Date: January 1997
Figure 9.5-1



EXPLANATION

- Artificial Fill
- Debris Fill
- Sand
- Contact, dashed where inferred
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- a Approximate Location & Elevation



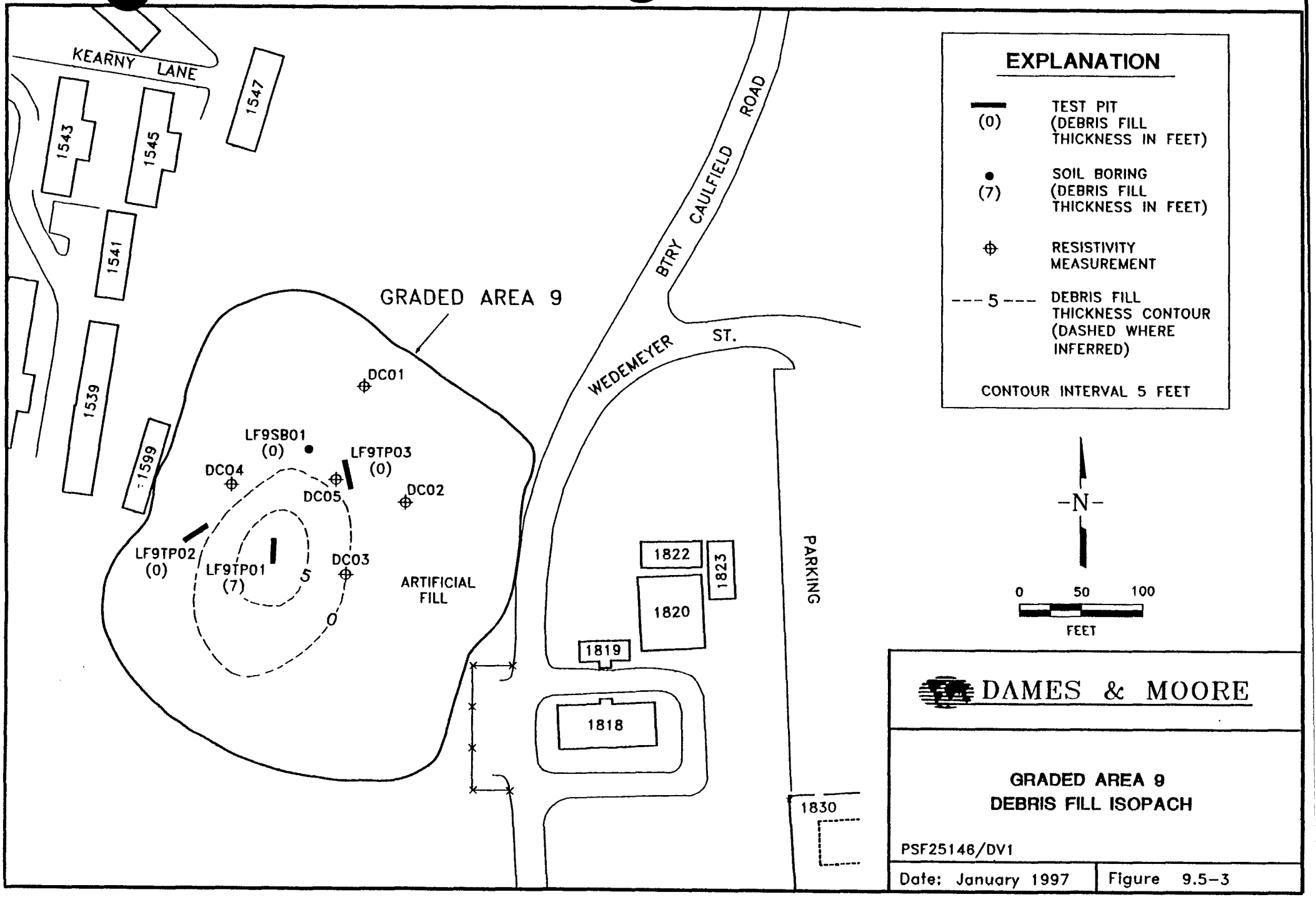
DAMES & MOORE

GRADED AREA 9
CROSS SECTION A-A'

PSF25145/DV1

Date: January 1997

Figure 9.5-2

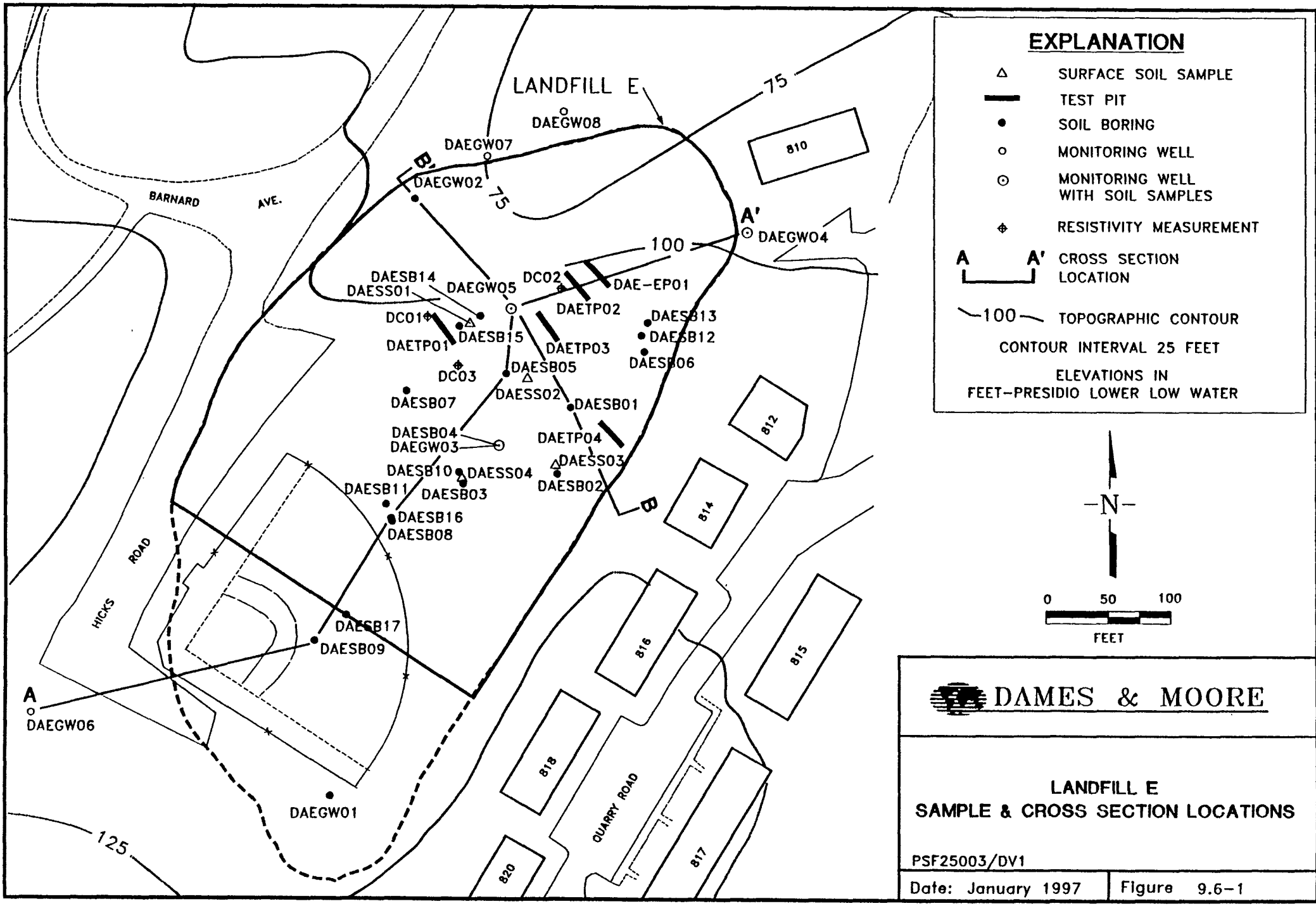


DAMES & MOORE

GRADED AREA 9
DEBRIS FILL ISOPACH

PSF25146/DV1

Date: January 1997 | Figure 9.5-3

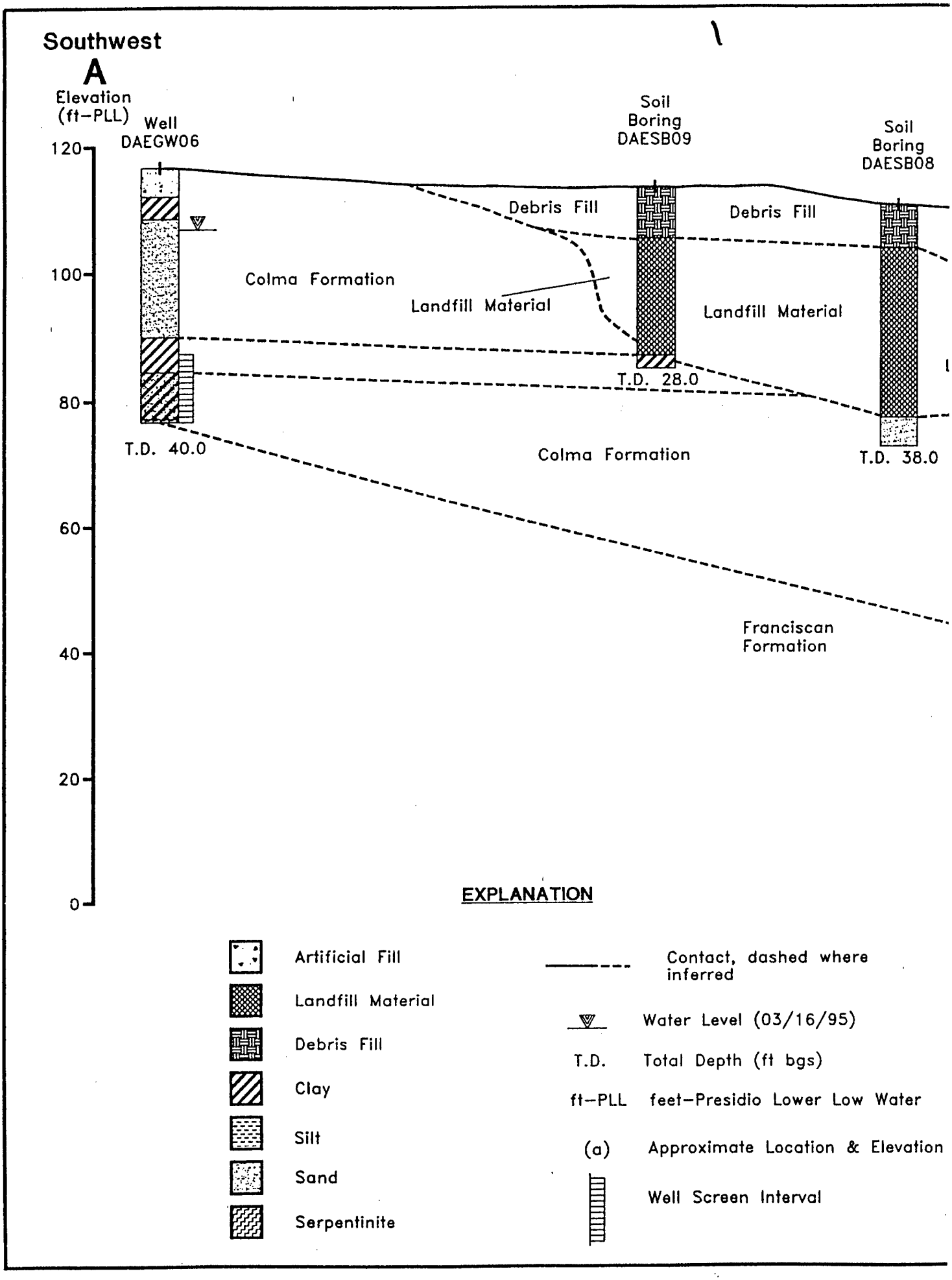


DAMES & MOORE

LANDFILL E
SAMPLE & CROSS SECTION LOCATIONS

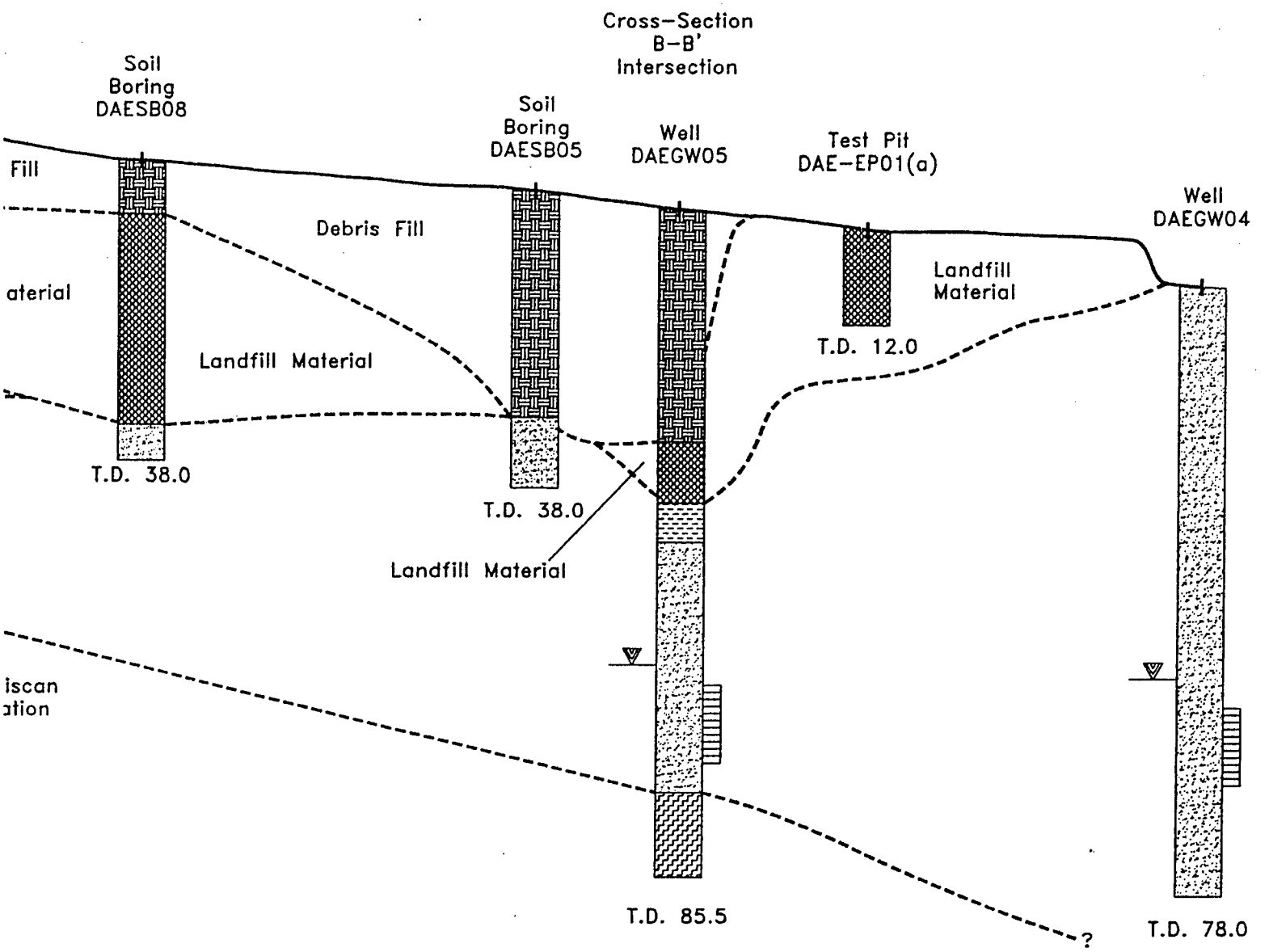
PSF25003/DV1

Date: January 1997 | Figure 9.6–1


Southwest
A
Elevation (ft-PLL)
Well DAEGW06
Soil Boring DAESB09
Soil Boring DAESB08
120
100
80
60
40
20
0
Debris Fill
Debris Fill
Colma Formation
Landfill Material
Landfill Material
T.D. 28.0
T.D. 40.0
Colma Formation
T.D. 38.0
Franciscan Formation
EXPLANATION
Artificial Fill
Landfill Material
Debris Fill
Clay
Silt
Sand
Serpentinite
Contact, dashed where inferred
Water Level (03/16/95)
T.D. Total Depth (ft bgs)
ft-PLL feet-Presidio Lower Low Water
(a) Approximate Location & Elevation
Well Screen Interval

2

N



ed where

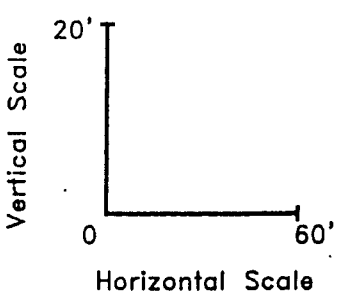
'16/95)

ɔgs)

wer Low Water

ation & Elevation

rval



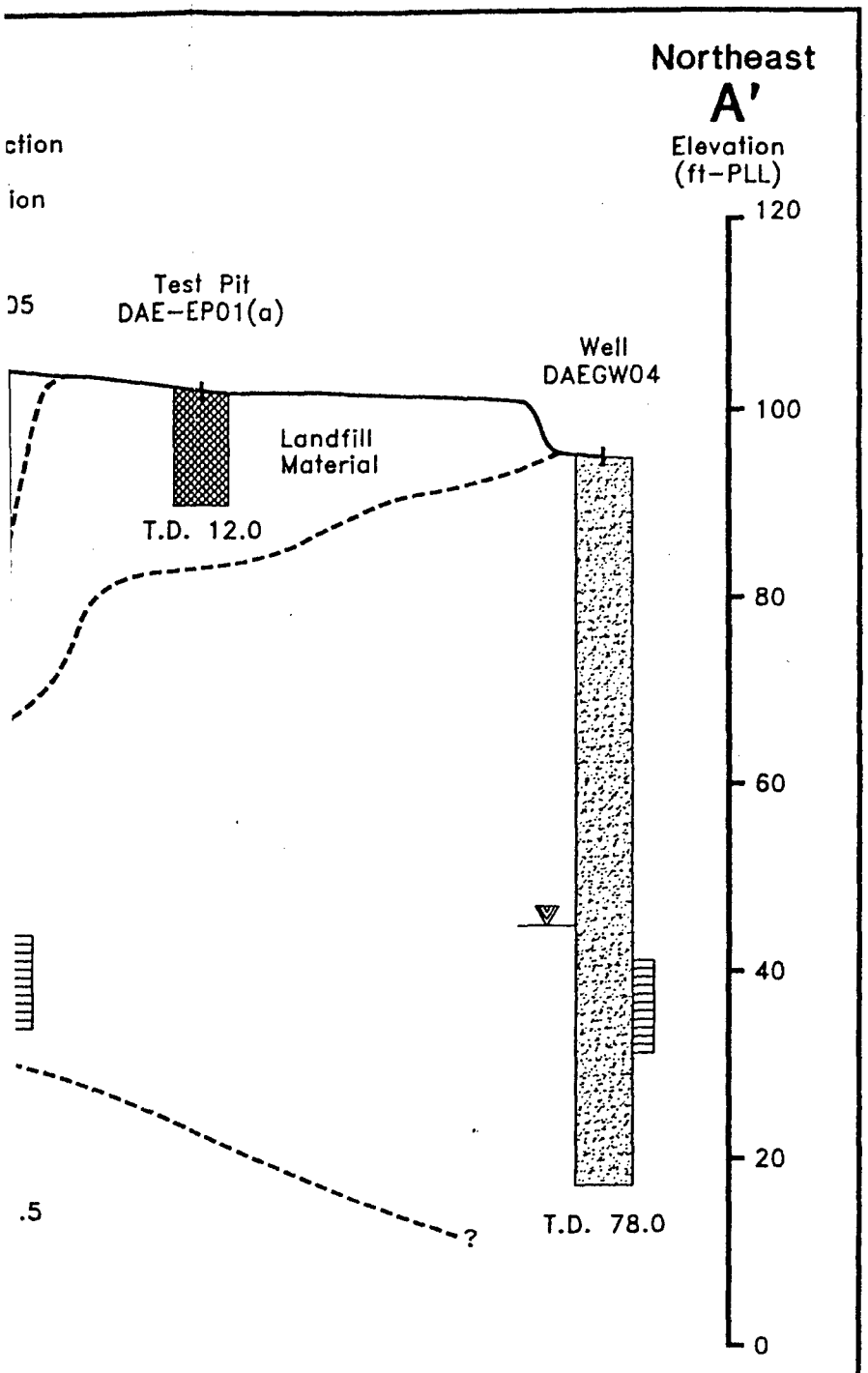
DAMES & MC

LANDFILL E
CROSS SECTION A-A

PSF25030/DV1

Date: January 1997 | Figure 9

3



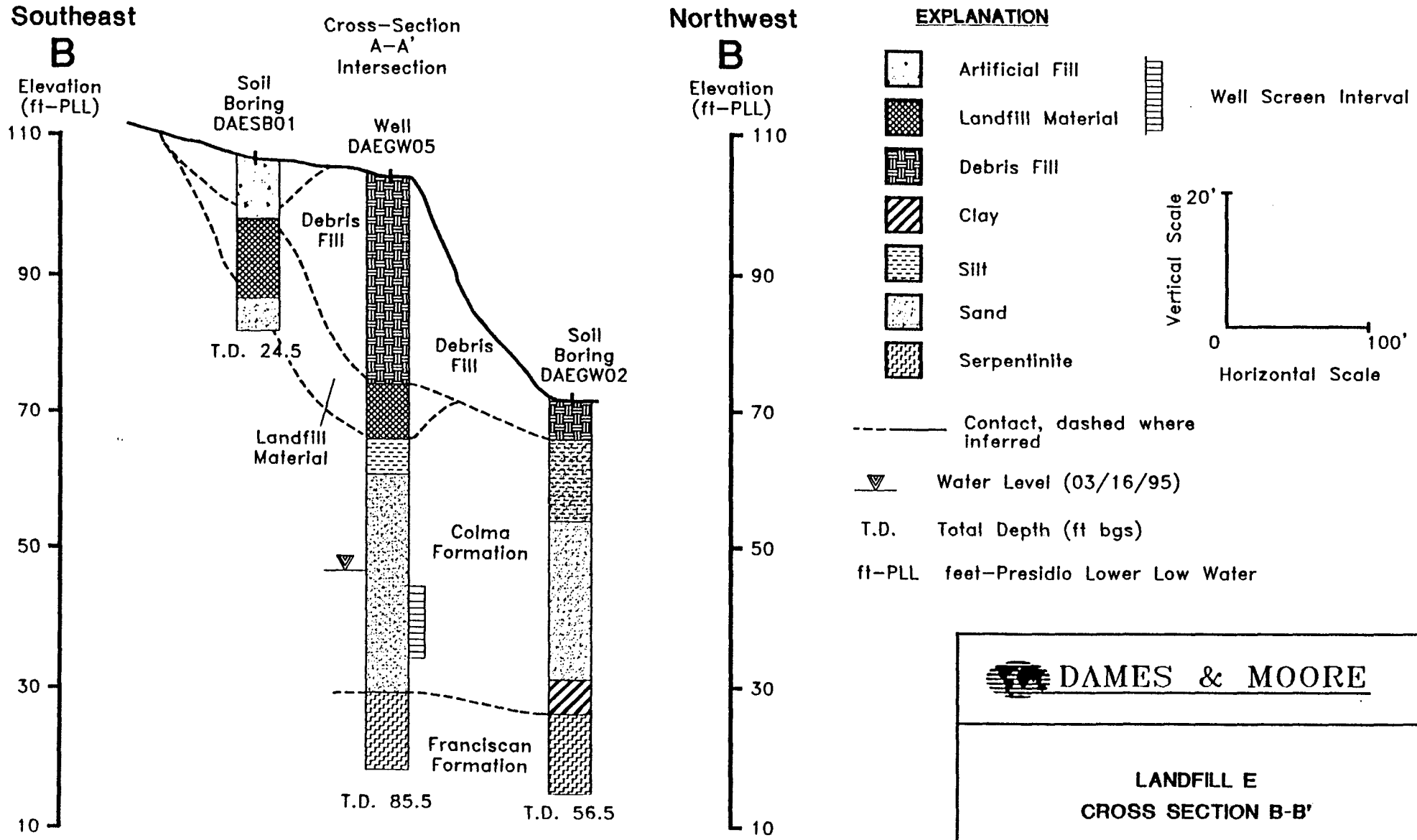
DAMES & MOORE

LANDFILL E
CROSS SECTION A-A'

60'
Scale

PSF25030/DV1

Date: January 1997 | Figure 9.6-2

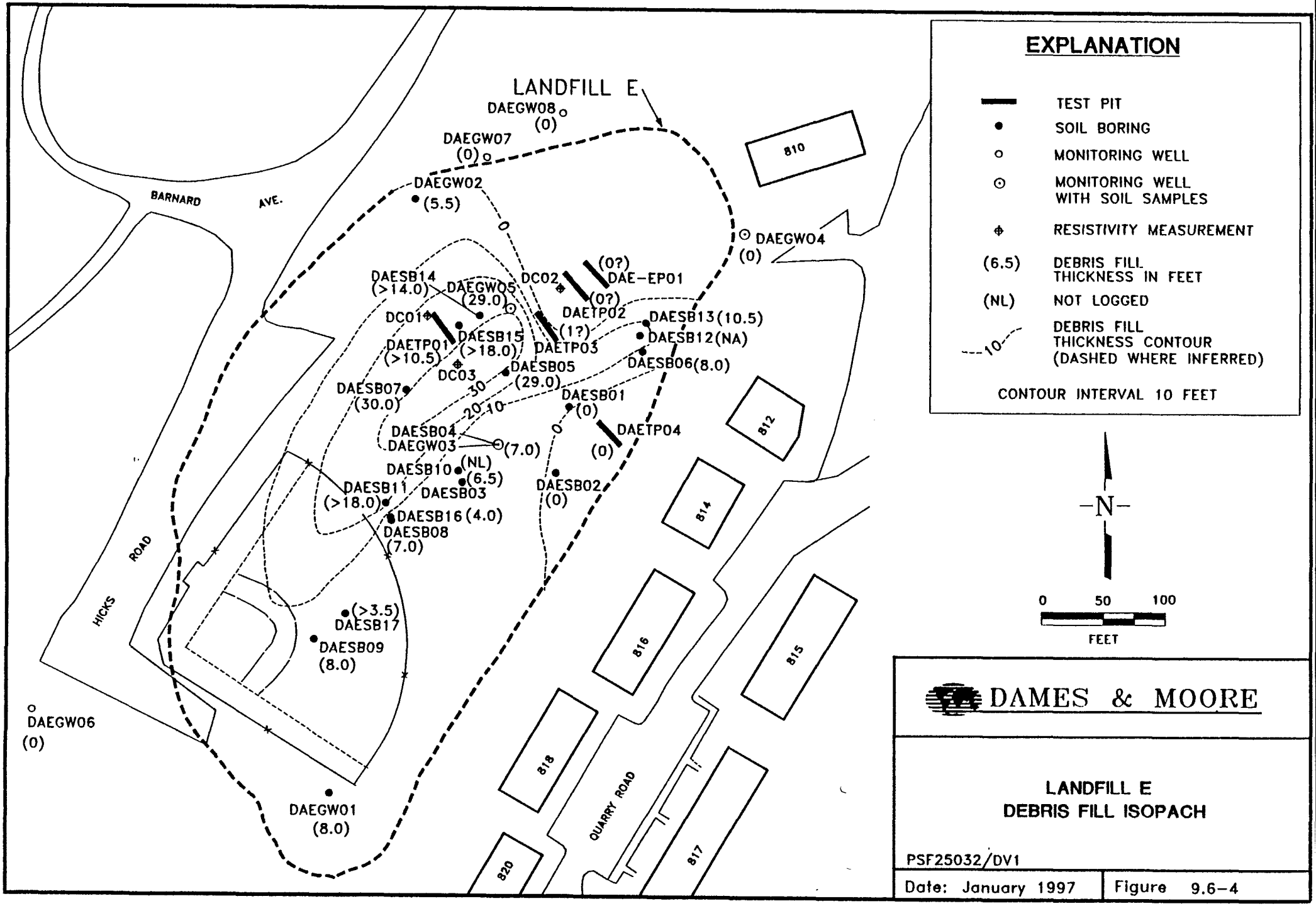


DAMES & MOORE

LANDFILL E
CROSS SECTION B-B'

PSF25031\DV1

Date: January 1997 | Figure 9.6-3

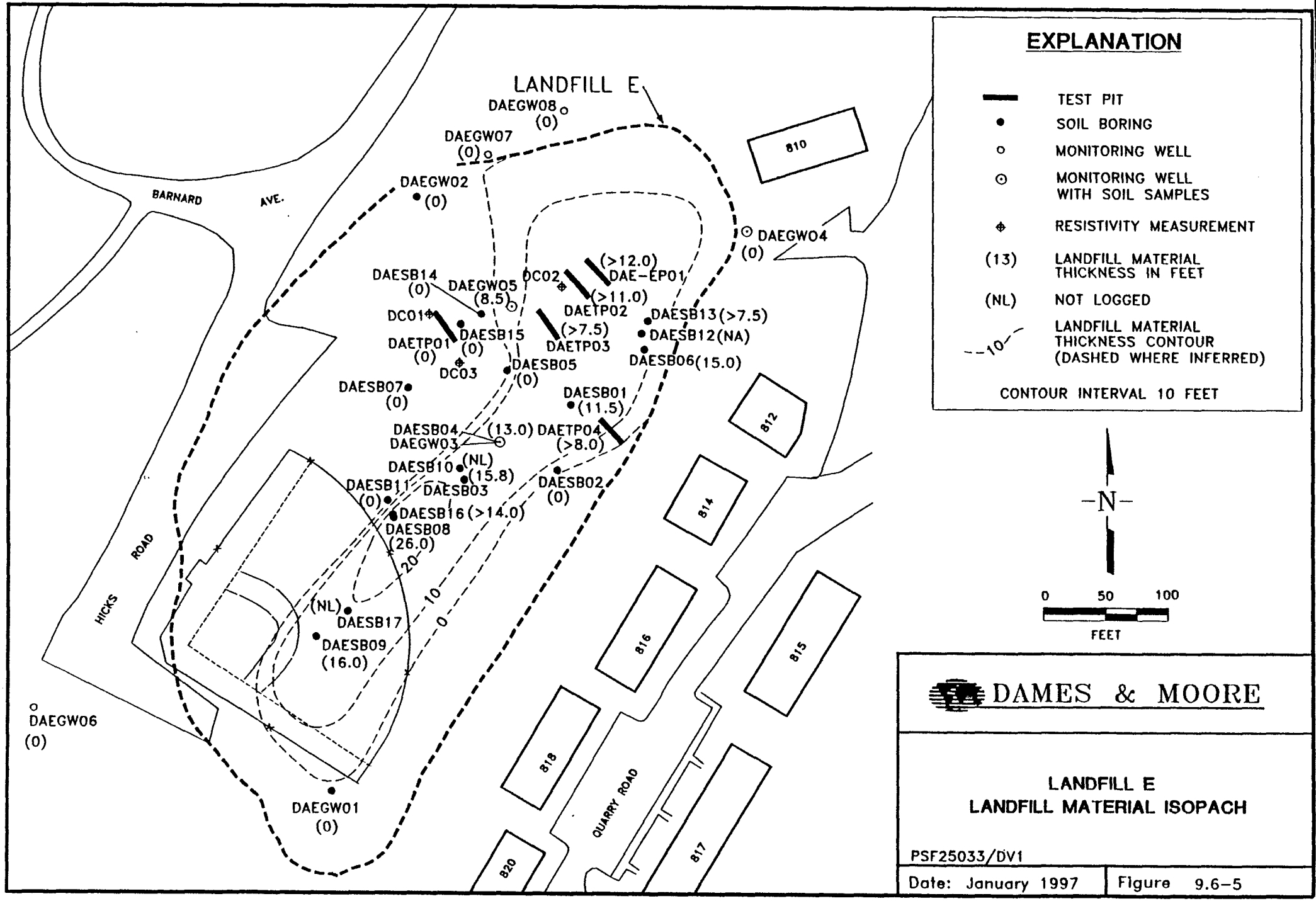


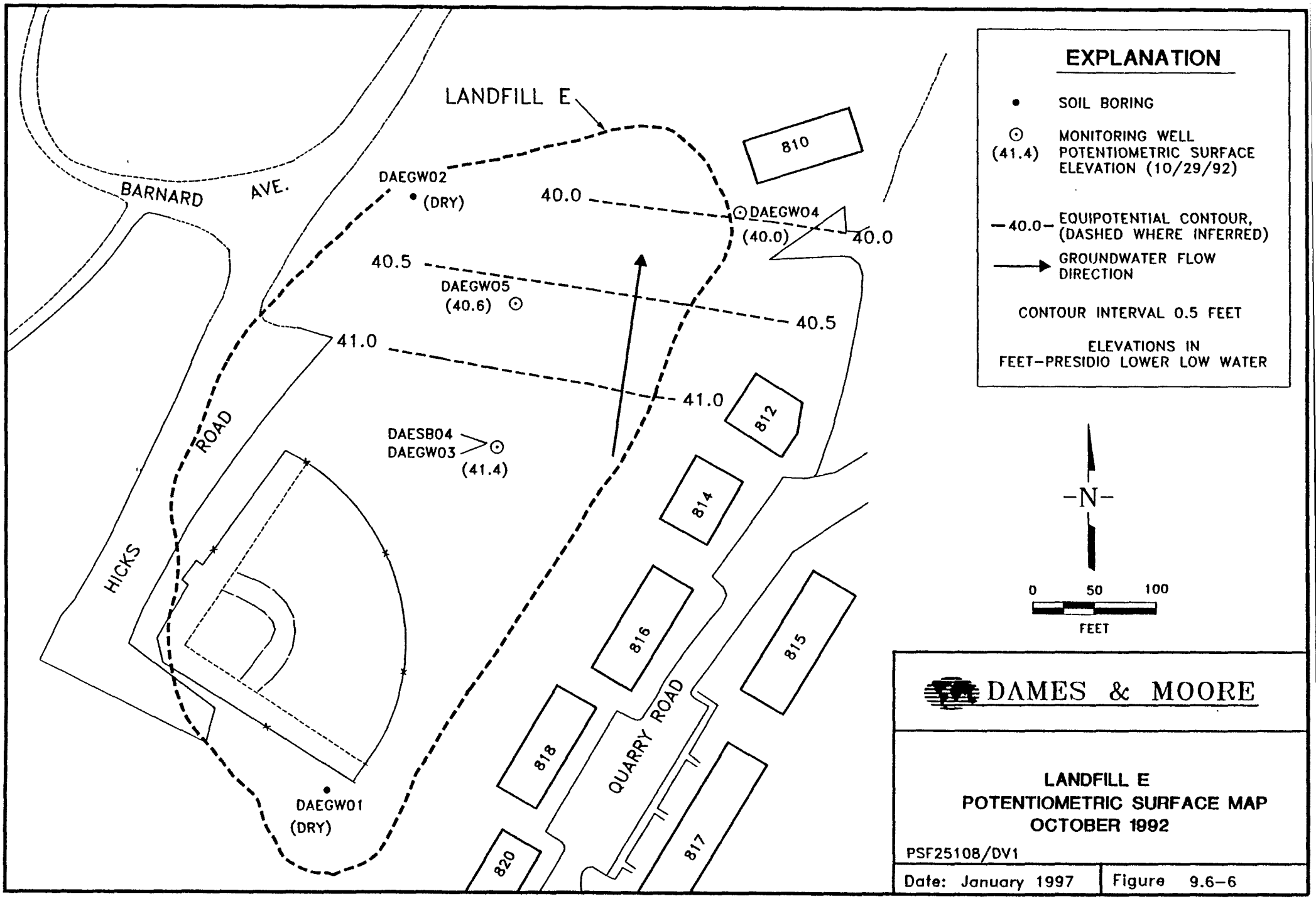
DAMES & MOORE

LANDFILL E
DEBRIS FILL ISOPACH

PSF25032/DV1

Date: January 1997 | Figure 9.6-4


LANDFILL E
DAEGW08 (0)
DAEGW07 (0)
DAEGW02 (0)
DAEGW04 (0)
DAEGW06 (0)
DAEGW01 (0)
BARNARD AVE.
HICKS ROAD
QUARRY ROAD
DAESB14 (0)
DAEGW05 (8.5)
DC02
DAE-EP01 (>12.0)
(>11.0)
DC01
DAETP02 (>7.5)
DAESB13 (>7.5)
DAESB12 (NA)
DAETP01 (0)
DAESB15 (0)
DAETP03
DC03
DAESB05 (0)
DAESB06 (15.0)
DAESB07 (0)
DAESB01 (11.5)
DAESB04
DAEGW03 (13.0)
DAETP04 (>8.0)
DAESB10 (NL)
(15.8)
DAESB11 (0)
DAESB03
DAESB02 (0)
DAESB16 (>14.0)
DAESB08 (26.0)
20
10
0
(NL)
DAESB17
DAESB09 (16.0)
810
812
814
816
815
818
817
820
EXPLANATION
TEST PIT
SOIL BORING
MONITORING WELL
MONITORING WELL WITH SOIL SAMPLES
RESISTIVITY MEASUREMENT
(13) LANDFILL MATERIAL THICKNESS IN FEET
(NL) NOT LOGGED
10 LANDFILL MATERIAL THICKNESS CONTOUR (DASHED WHERE INFERRED)
CONTOUR INTERVAL 10 FEET
N
0 50 100
FEET
DAMES & MOORE
LANDFILL E
LANDFILL MATERIAL ISOPACH
PSF25033/DV1
Date: January 1997
Figure 9.6-5

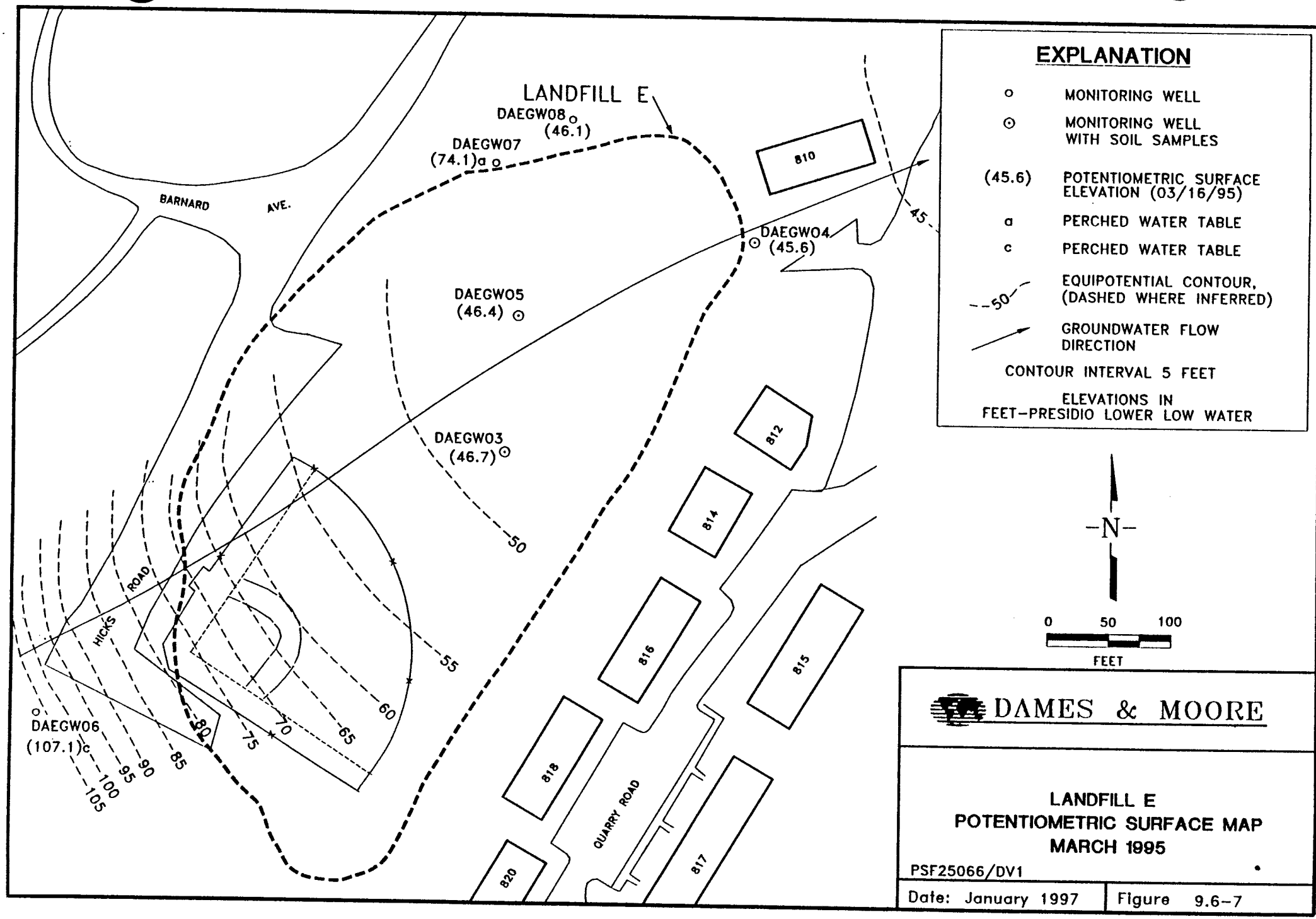


DAMES & MOORE

LANDFILL E
POTENTIOMETRIC SURFACE MAP
OCTOBER 1992

PSF25108/DV1

Date: January 1997 | Figure 9.6–6



DAMES & MOORE

LANDFILL E
POTENTIOMETRIC SURFACE MAP
MARCH 1995

PSF25066/DV1

Date: January 1997 | Figure 9.6-7

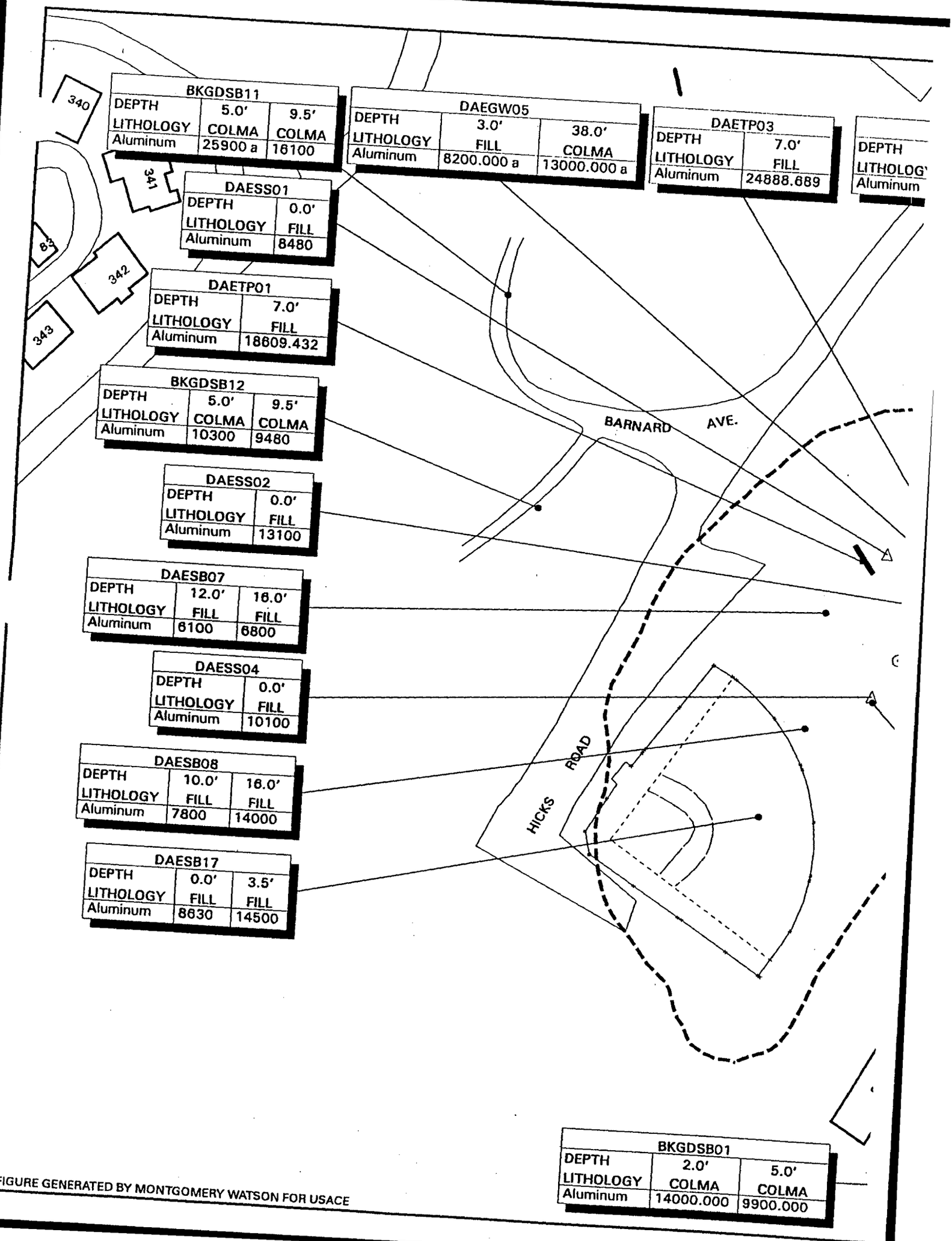
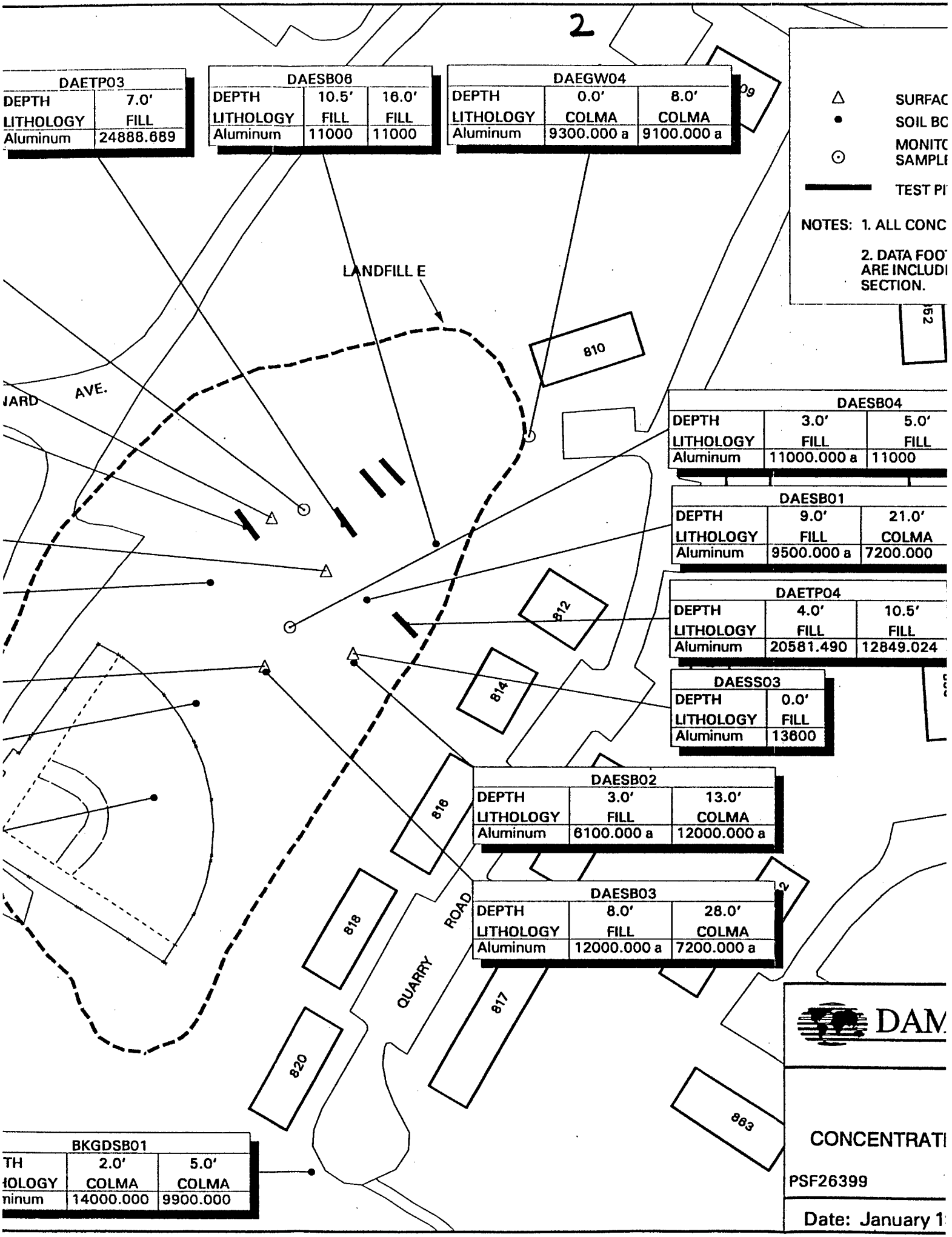
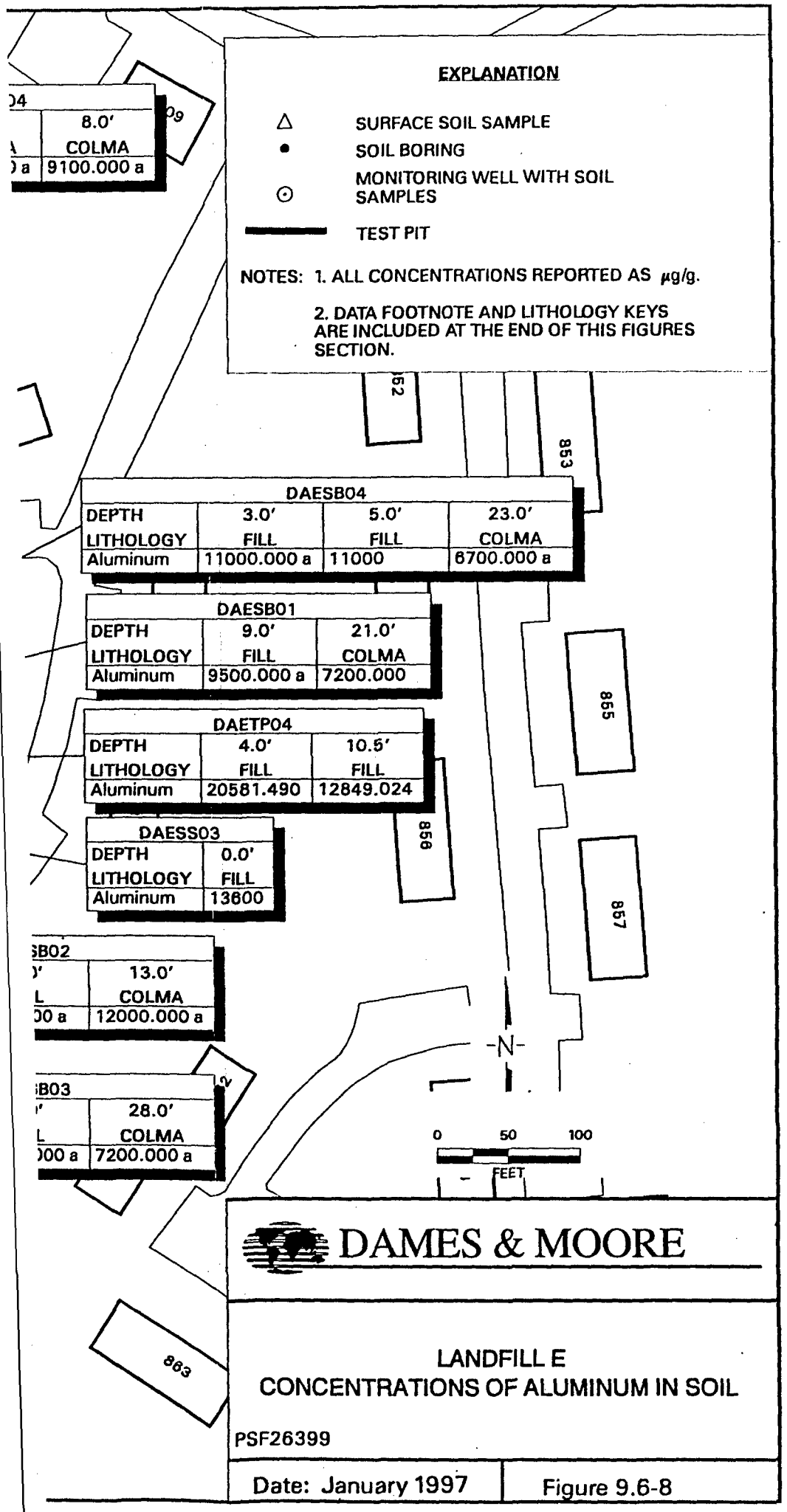


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
DAETP03
DEPTH 7.0'
LITHOLOGY FILL
Aluminum 24888.689
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Aluminum 11000 11000
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Aluminum 9300.000 a 9100.000 a
SURFAC
SOIL BC
MONITC
SAMPLE
TEST PI
NOTES: 1. ALL CONC
2. DATA FOO
ARE INCLUDI
SECTION.
LANDFILL E
AVE.
810
DAESB04
DEPTH 3.0' 5.0'
LITHOLOGY FILL FILL
Aluminum 11000.000 a 11000
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Aluminum 9500.000 a 7200.000
812
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Aluminum 20581.490 12849.024
814
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Aluminum 13600
816
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Aluminum 6100.000 a 12000.000 a
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Aluminum 12000.000 a 7200.000 a
818
ROAD
QUARRY
817
820
863
BKGDSB01
TH 2.0' 5.0'
HOLOGY COLMA COLMA
minum 14000.000 9900.000
DAM
CONCENTRATI
PSF26399
Date: January 1

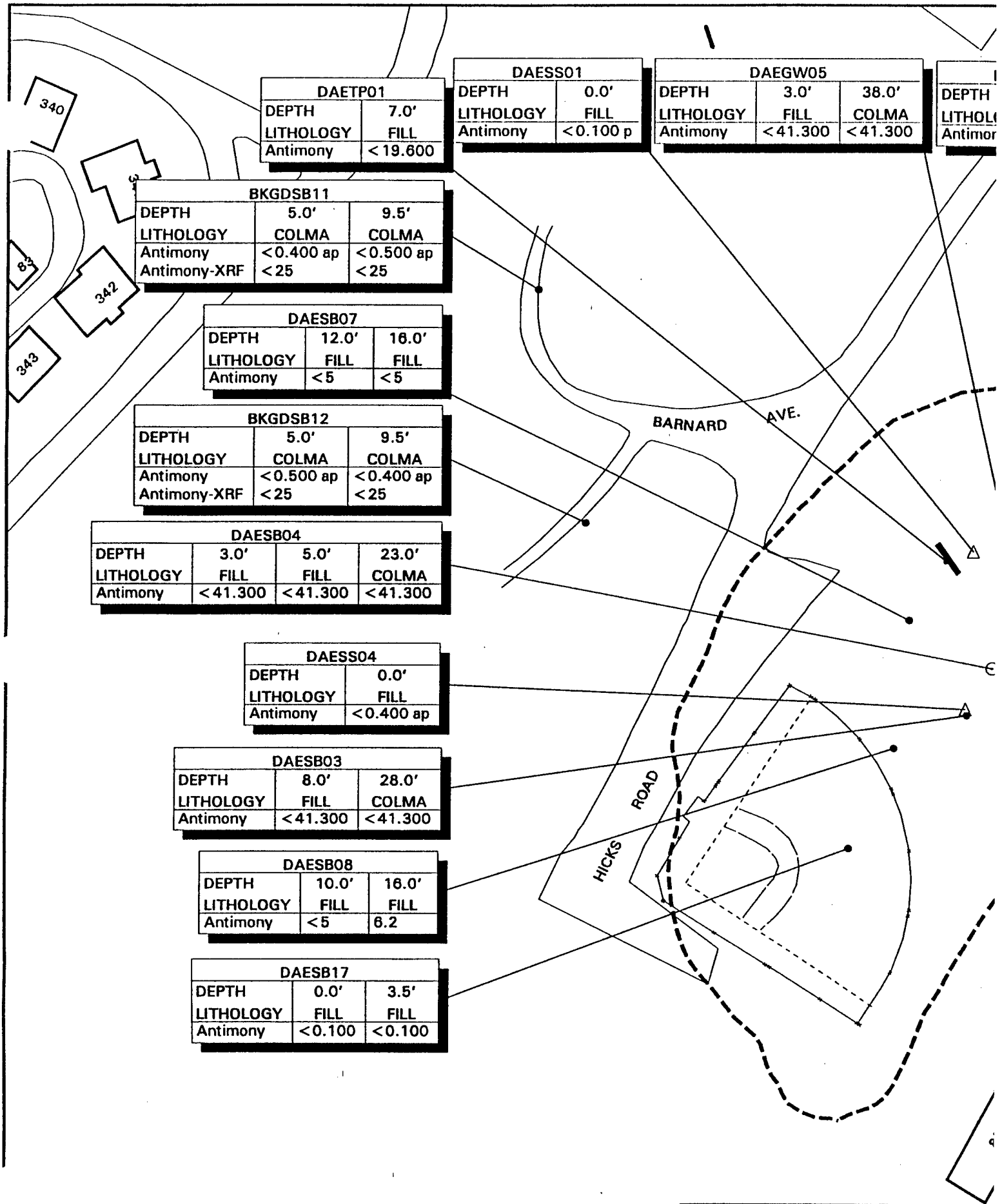


DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26399

Date: January 1997 | Figure 9.6-8



DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Antimony	<19.600

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.100 p

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Antimony	<0.400 ap	<0.500 ap
Antimony-XRF	<25	<25

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Antimony	<5	<5

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Antimony	<0.500 ap	<0.400 ap
Antimony-XRF	<25	<25

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Antimony	<41.300	<41.300	<41.300

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

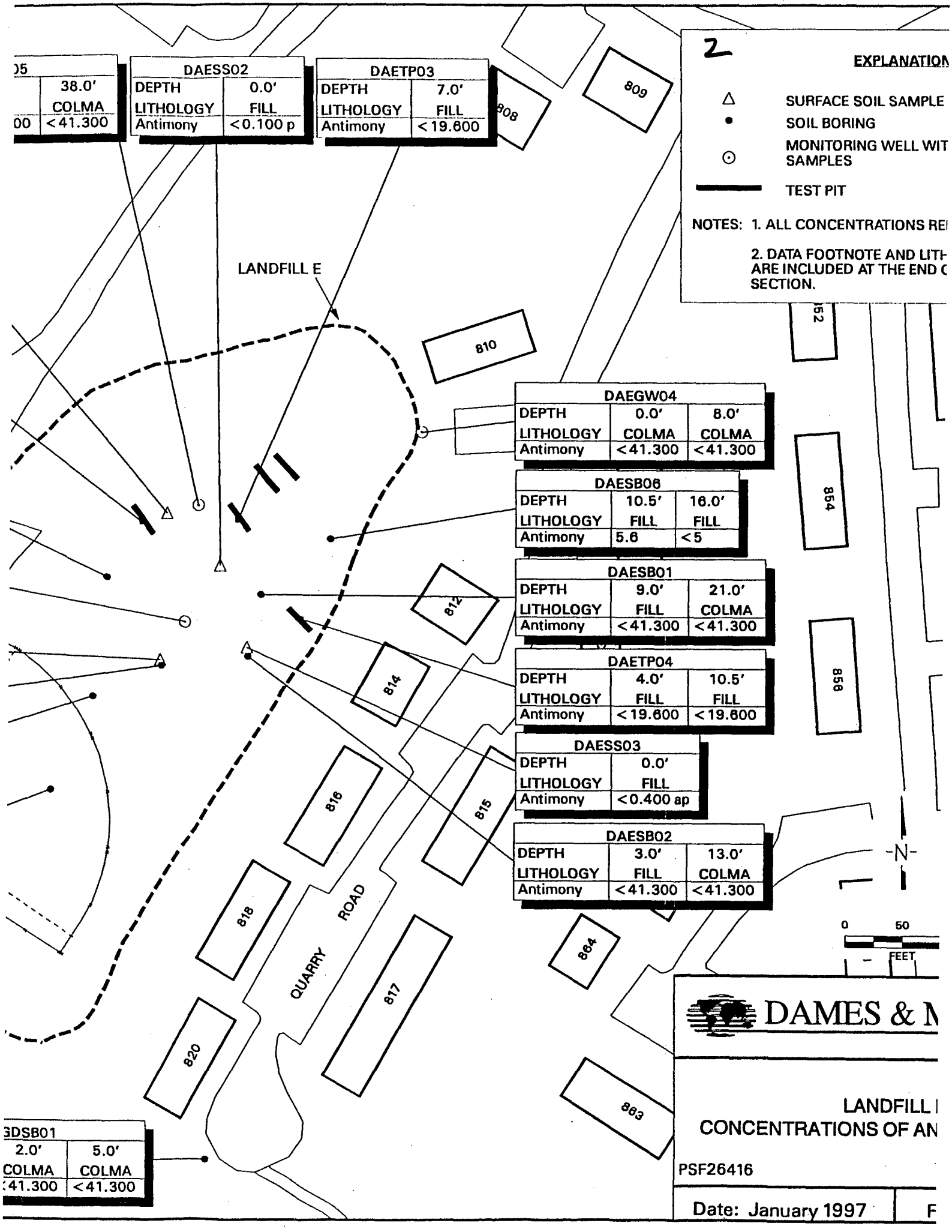
DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Antimony	<5	6.2

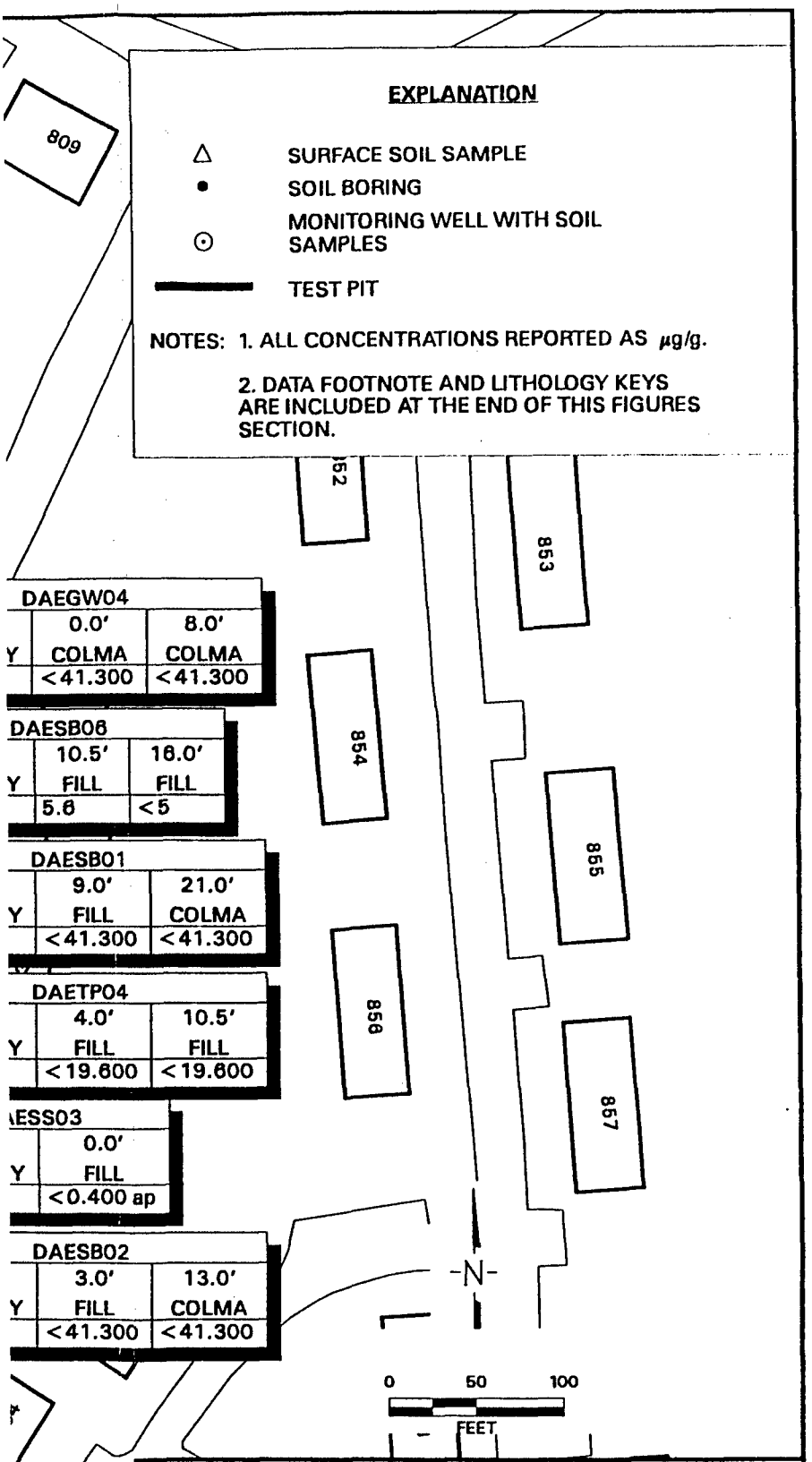
DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Antimony	<0.100	<0.100

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Antimony	<41.300	<41.300

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WIT
SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END C
SECTION.
LANDFILL E
05
38.0'
COLMA
00 <41.300
DAESS02
DEPTH 0.0'
LITHOLOGY FILL
Antimony <0.100 p
DAETP03
DEPTH 7.0'
LITHOLOGY FILL
Antimony <19.600
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Antimony <41.300 <41.300
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Antimony 5.6 <5
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Antimony <41.300 <41.300
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Antimony <19.600 <19.600
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Antimony <0.400 ap
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Antimony <41.300 <41.300
GDSB01
2.0' 5.0'
COLMA COLMA
:41.300 <41.300
809
808
810
812
814
816
815
818
820
817
864
863
854
858
852
QUARRY ROAD
-N-
0 50
FEET
DAMES & M
LANDFILL
CONCENTRATIONS OF AN
PSF26416
Date: January 1997
F

3



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ANTIMONY IN SOIL

PSF26416

Date: January 1997 | Figure 9.6-9

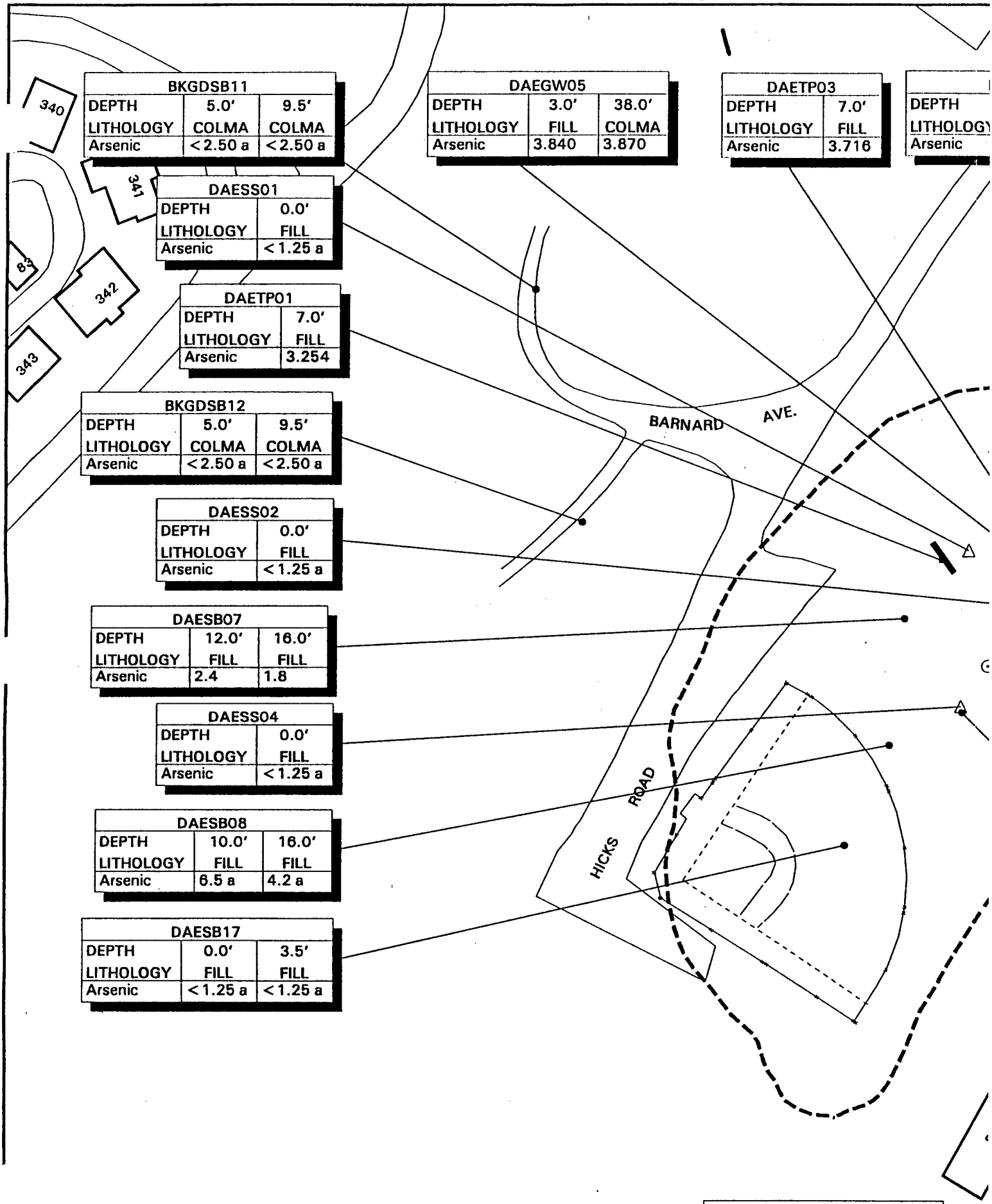
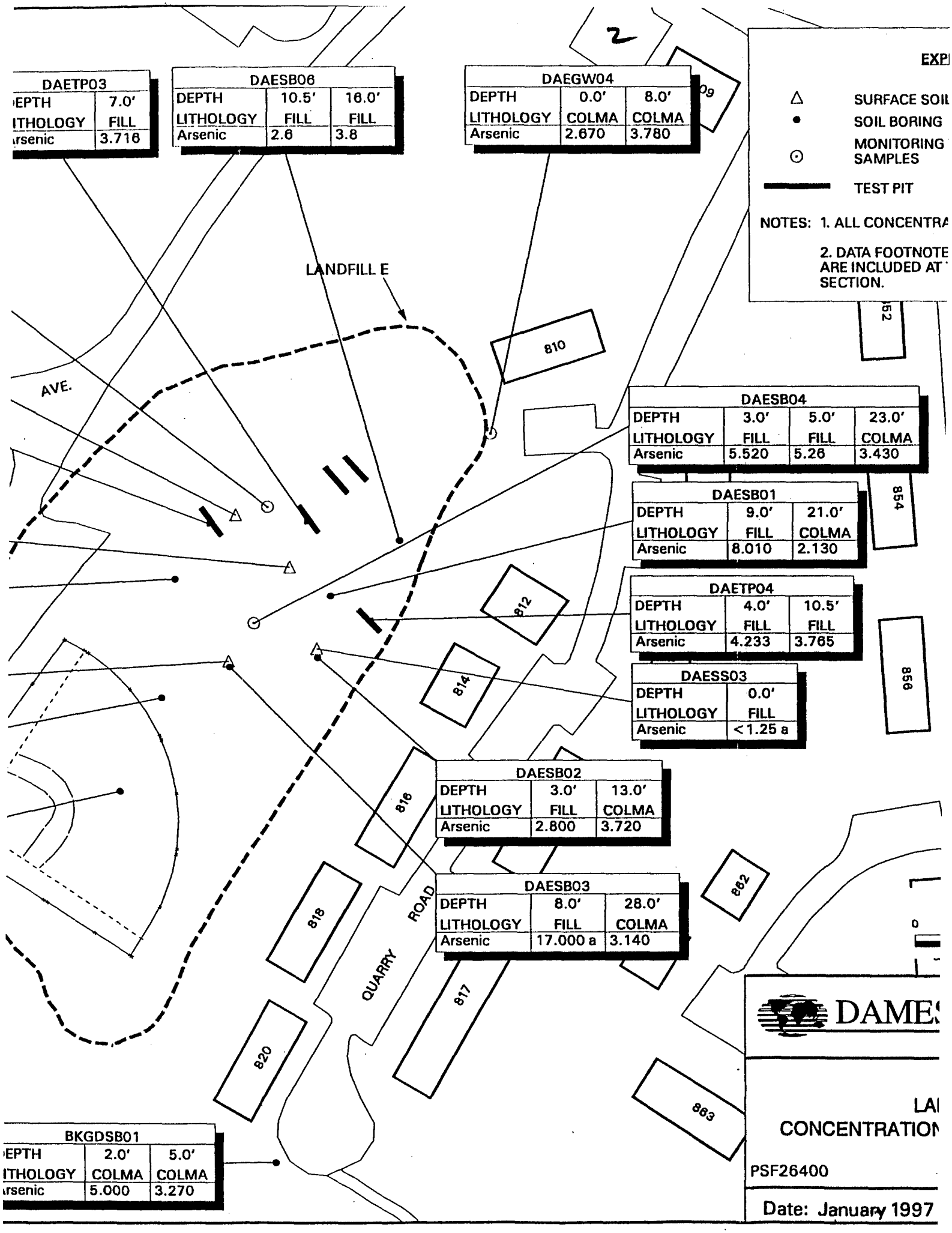
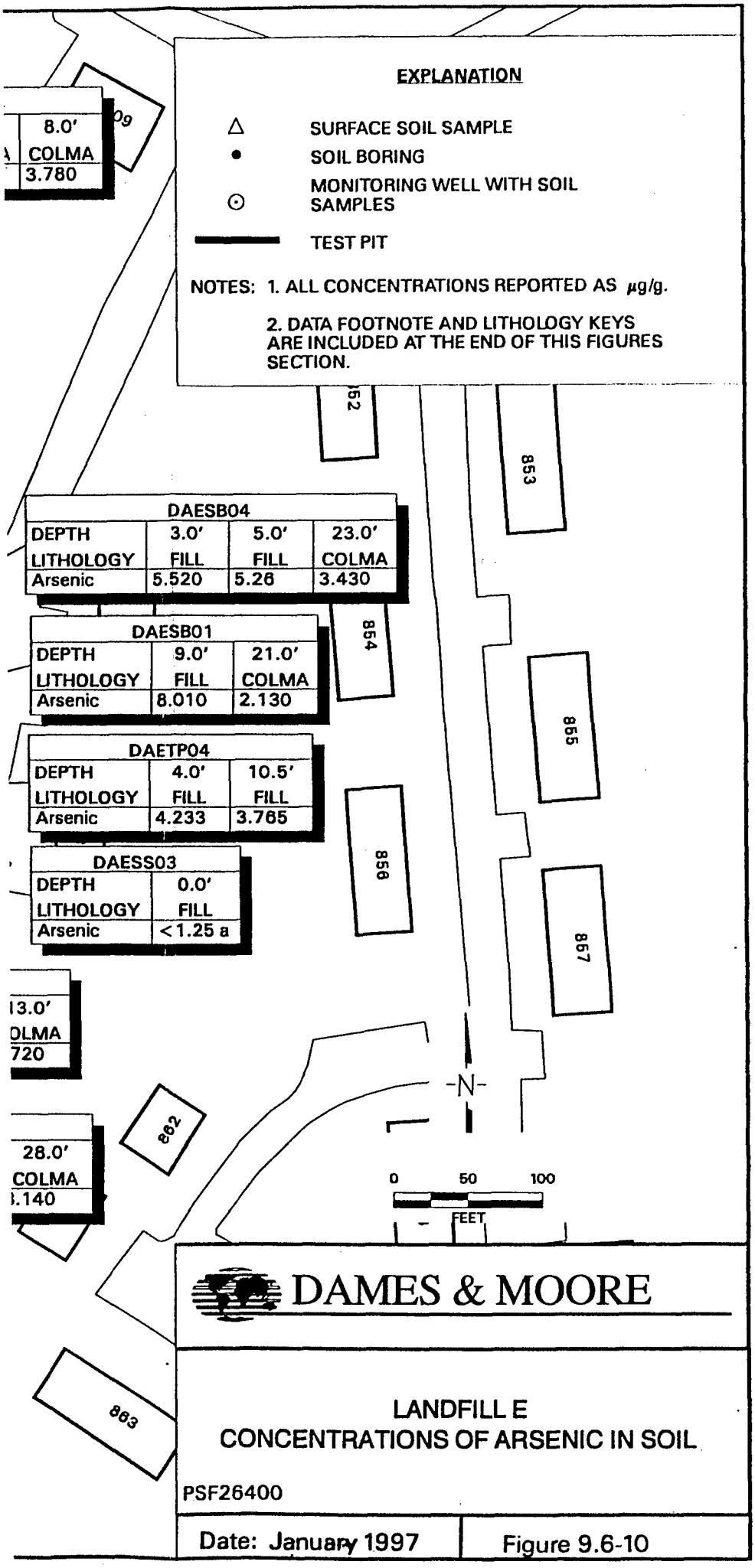


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


DAETP03
DEPTH 7.0'
LITHOLOGY FILL
Arsenic 3.716
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Arsenic 2.6 3.8
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Arsenic 2.670 3.780
EXP
SURFACE SOIL
SOIL BORING
MONITORING SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRA
2. DATA FOOTNOTE ARE INCLUDED AT SECTION.
LANDFILL E
AVE.
810
852
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Arsenic 5.520 5.26 3.430
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Arsenic 8.010 2.130
854
812
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Arsenic 4.233 3.765
858
814
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Arsenic <1.25 a
816
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Arsenic 2.800 3.720
862
818
ROAD
QUARRY
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Arsenic 17.000 a 3.140
817
820
863
BKGDSB01
DEPTH 2.0' 5.0'
LITHOLOGY COLMA COLMA
Arsenic 5.000 3.270
DAME
LA
CONCENTRATIO
PSF26400
Date: January 1997



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26400

Date: January 1997 | Figure 9.6-10

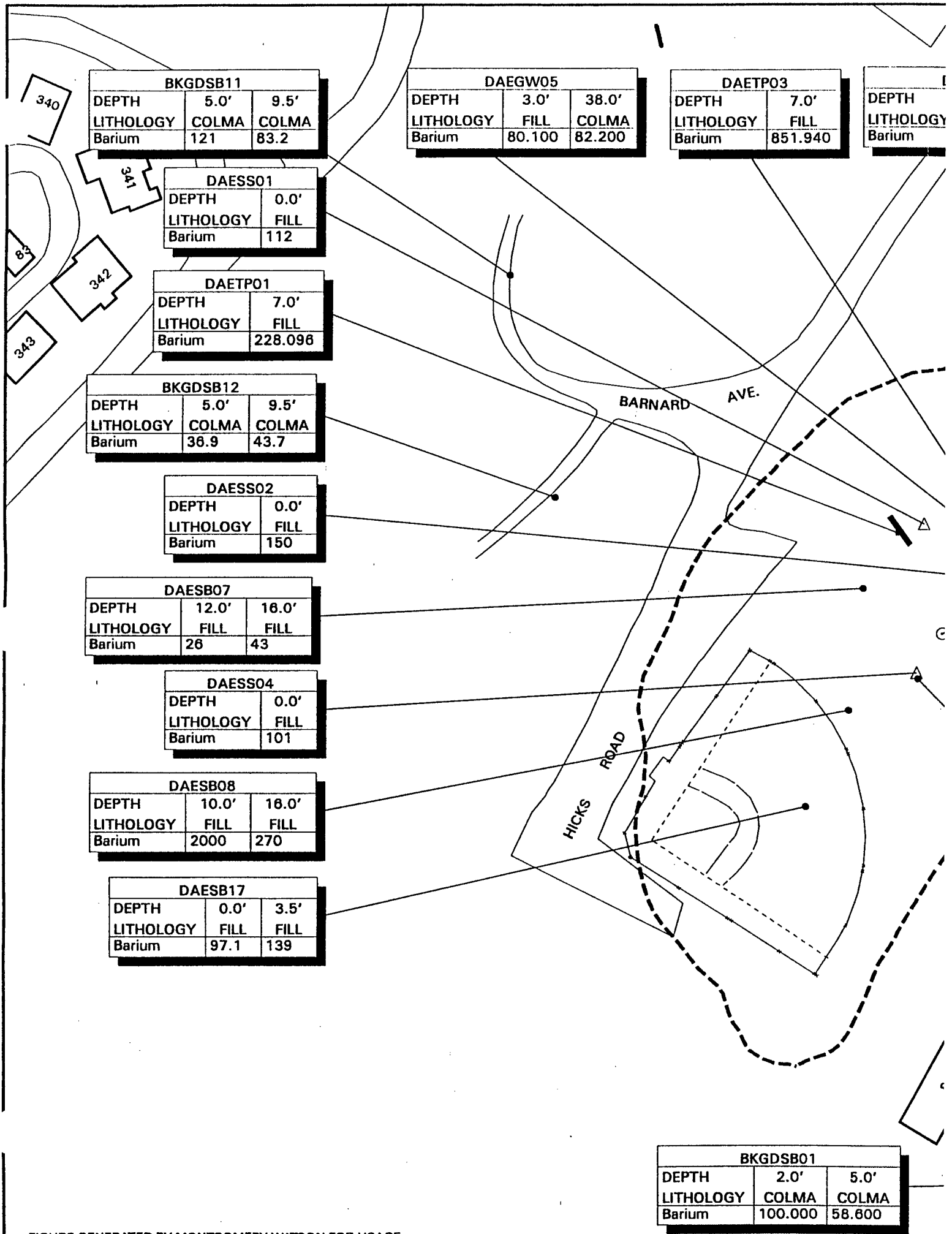
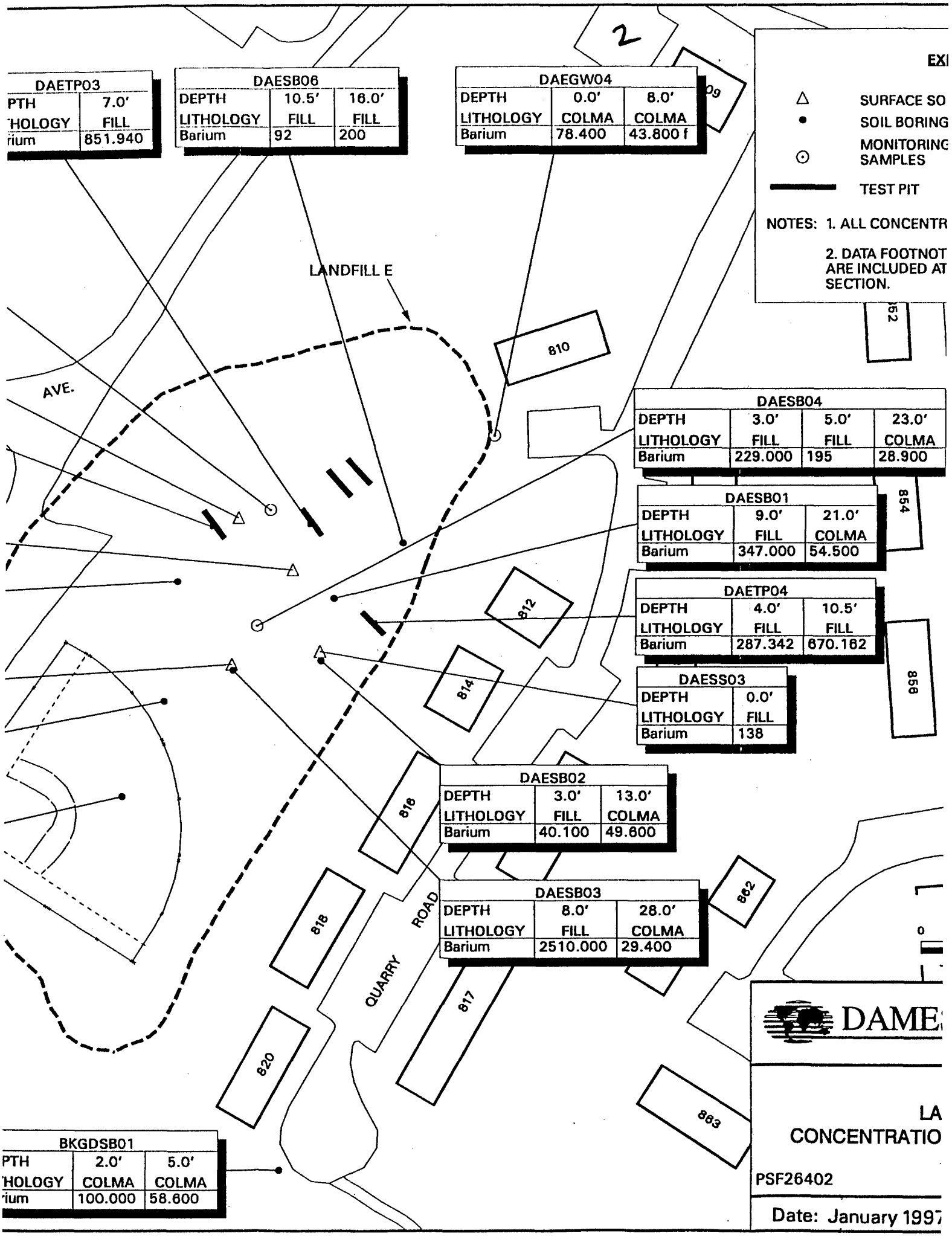
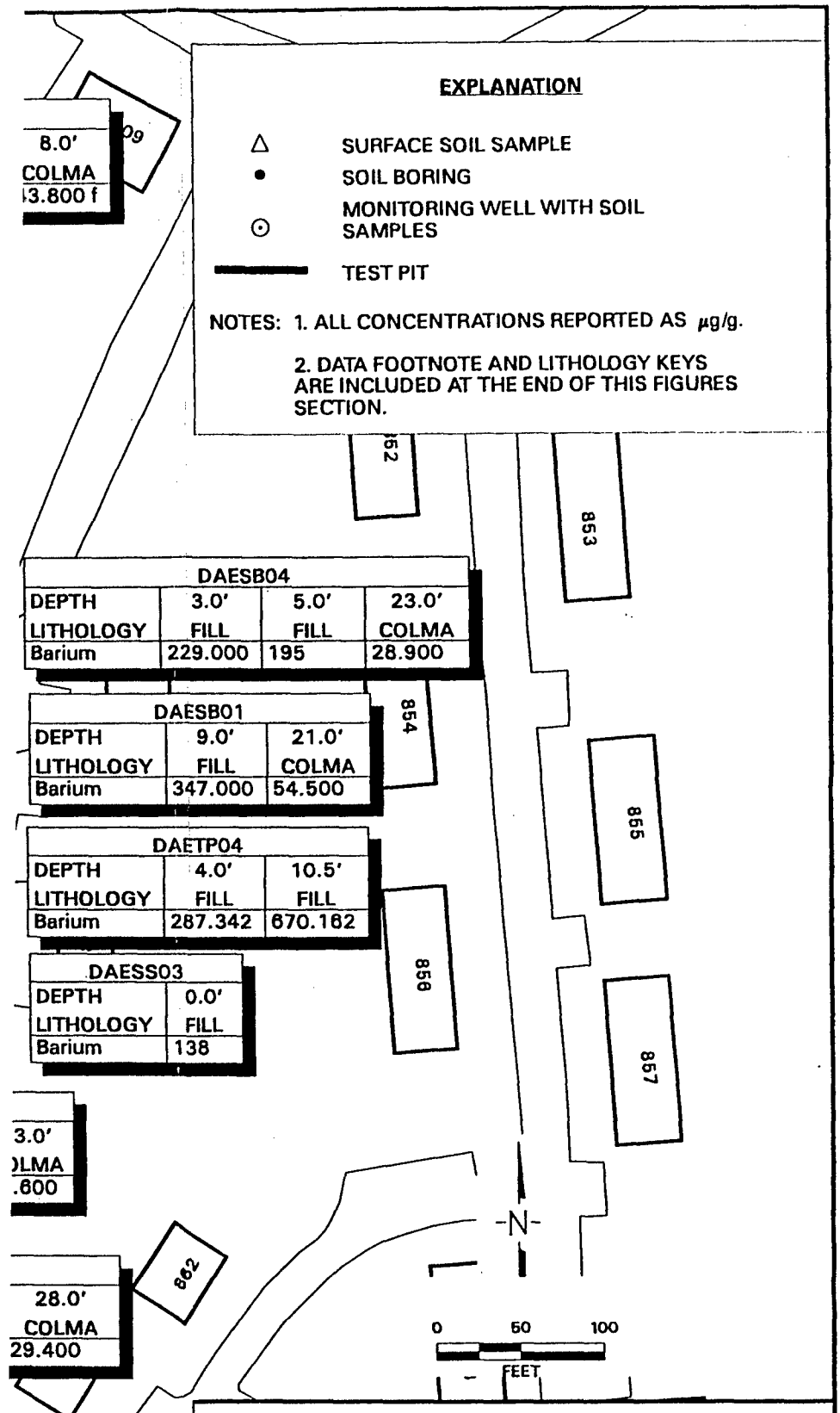


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


DAETP03
PTH | 7.0'
HOLOGY | FILL
rium | 851.940
DAESB06
DEPTH | 10.5' | 16.0'
LITHOLOGY | FILL | FILL
Barium | 92 | 200
DAEGW04
DEPTH | 0.0' | 8.0'
LITHOLOGY | COLMA | COLMA
Barium | 78.400 | 43.800 f
EXI
SURFACE SO
SOIL BORING
MONITORING
SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTR
2. DATA FOOTNOT
ARE INCLUDED AT
SECTION.
LANDFILL E
AVE.
DAESB04
DEPTH | 3.0' | 5.0' | 23.0'
LITHOLOGY | FILL | FILL | COLMA
Barium | 229.000 | 195 | 28.900
DAESB01
DEPTH | 9.0' | 21.0'
LITHOLOGY | FILL | COLMA
Barium | 347.000 | 54.500
DAETP04
DEPTH | 4.0' | 10.5'
LITHOLOGY | FILL | FILL
Barium | 287.342 | 670.162
DAESS03
DEPTH | 0.0'
LITHOLOGY | FILL
Barium | 138
DAESB02
DEPTH | 3.0' | 13.0'
LITHOLOGY | FILL | COLMA
Barium | 40.100 | 49.600
DAESB03
DEPTH | 8.0' | 28.0'
LITHOLOGY | FILL | COLMA
Barium | 2510.000 | 29.400
ROAD
QUARRY
BKGDSB01
PTH | 2.0' | 5.0'
HOLOGY | COLMA | COLMA
rium | 100.000 | 58.600
DAME
LA
CONCENTRATIO
PSF26402
Date: January 199



DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Barium	229.000	195	28.900

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Barium	347.000	54.500

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Barium	287.342	670.162

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Barium	138

DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF BARIUM IN SOIL

PSF26402

Date: January 1997 | Figure 9.6-11

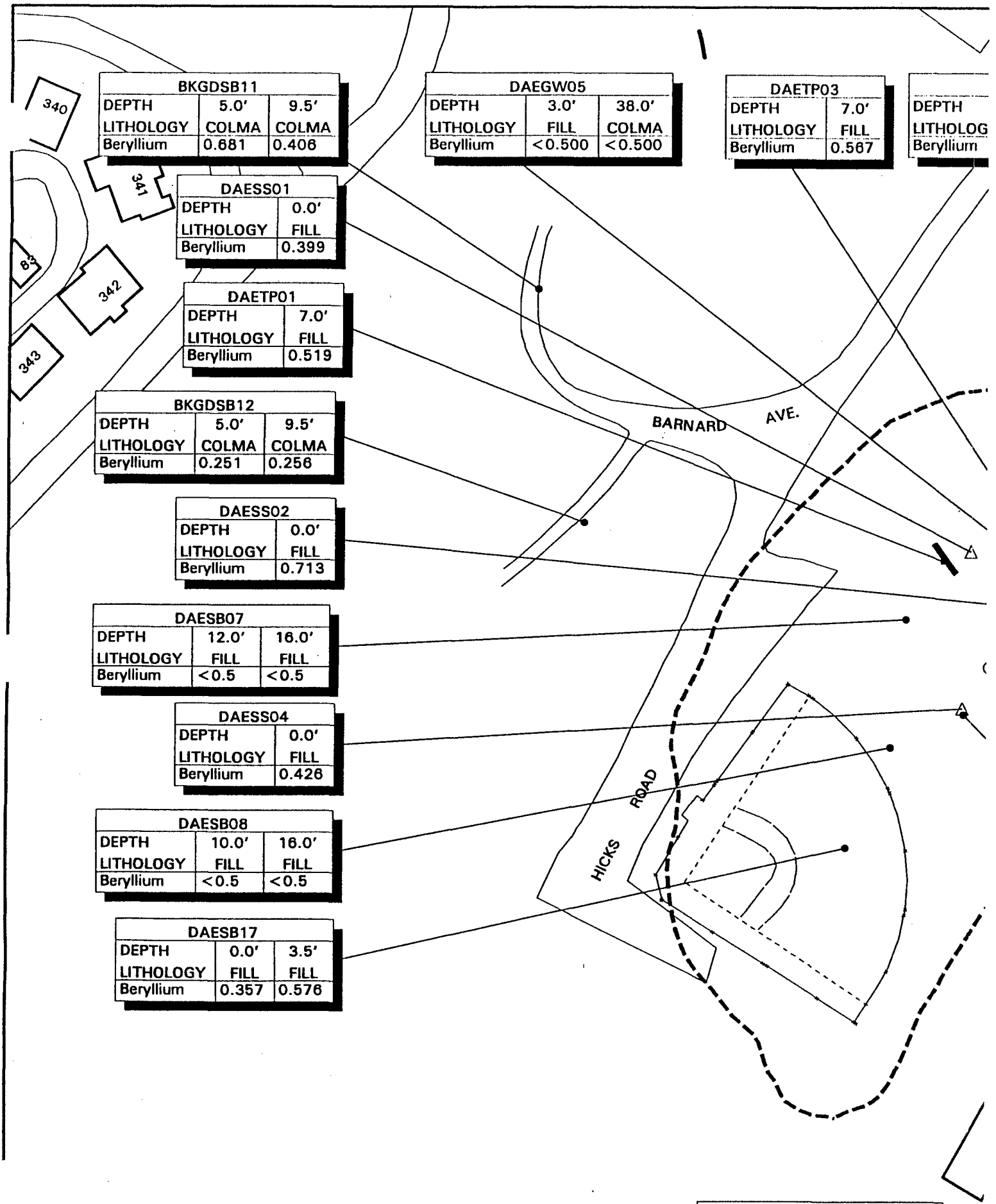
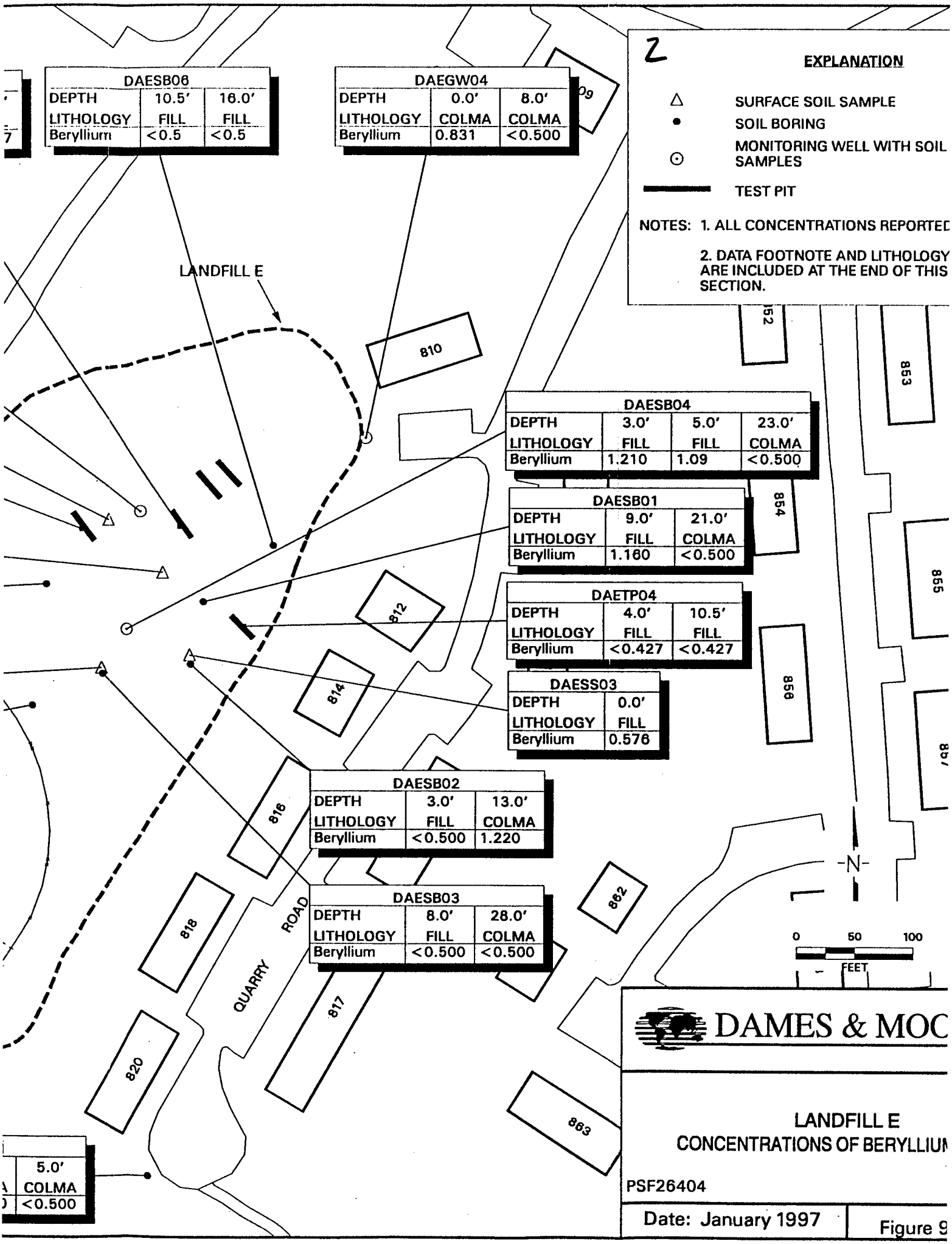
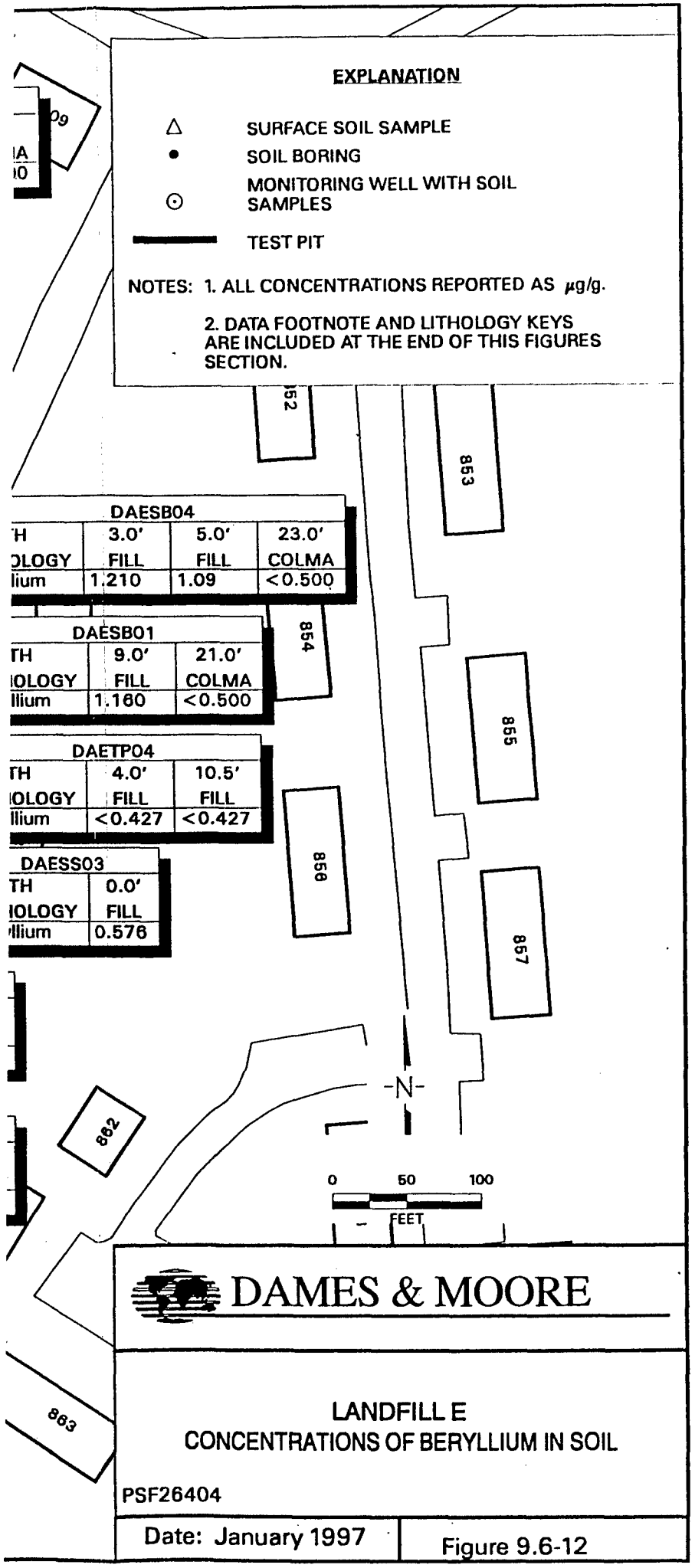


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SOIL SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Beryllium <0.5 <0.5
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Beryllium 0.831 <0.500
LANDFILL E
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Beryllium 1.210 1.09 <0.500
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Beryllium 1.160 <0.500
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Beryllium <0.427 <0.427
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Beryllium 0.576
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Beryllium <0.500 1.220
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Beryllium <0.500 <0.500
5.0'
COLMA
<0.500
QUARRY ROAD
810
812
814
816
817
818
820
852
853
854
855
858
862
863
N
0 50 100
FEET
DAMES & MOC
LANDFILL E
CONCENTRATIONS OF BERYLLIU
PSF26404
Date: January 1997
Figure 9



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF BERYLLIUM IN SOIL

PSF26404

Date: January 1997

Figure 9.6-12

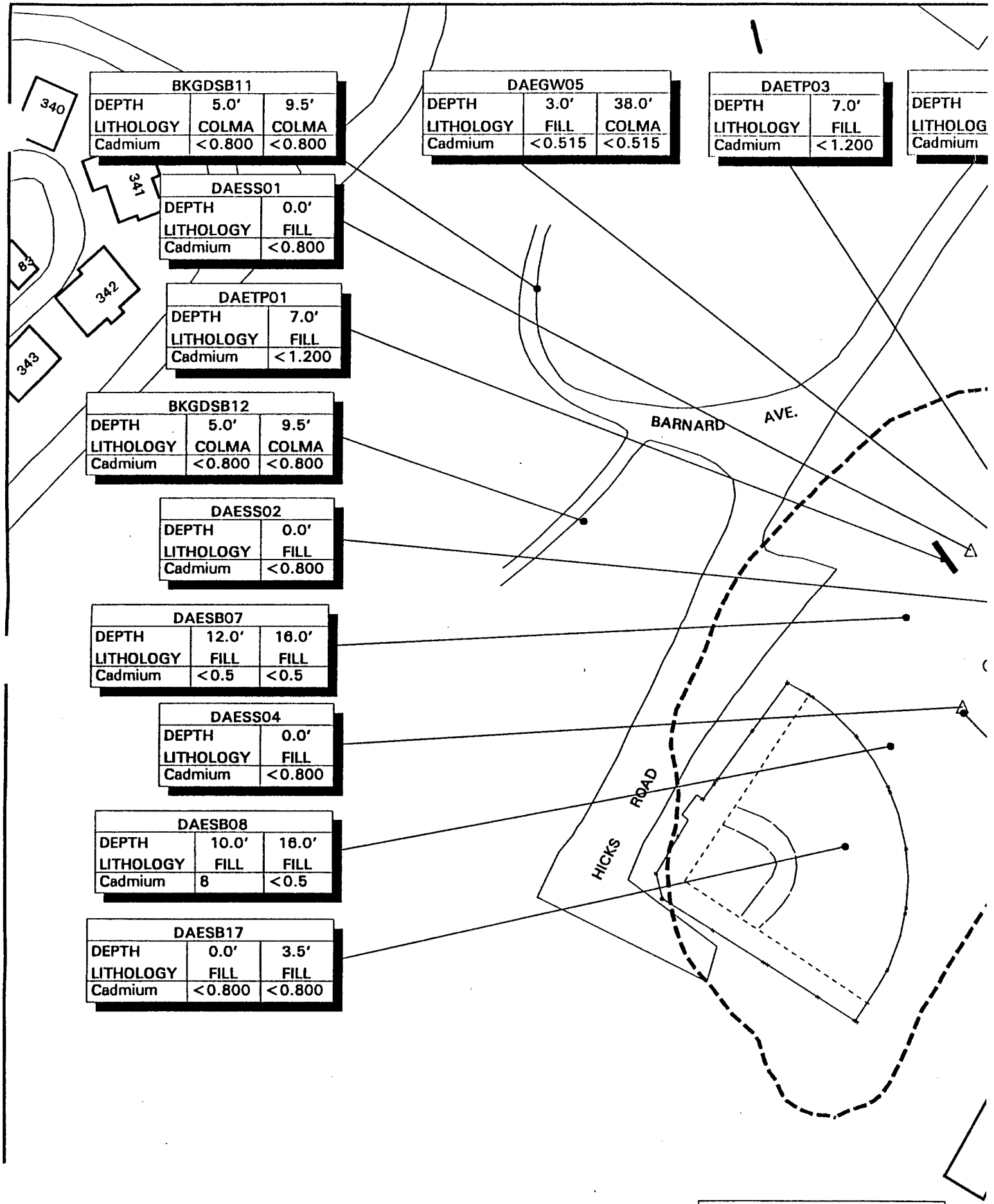
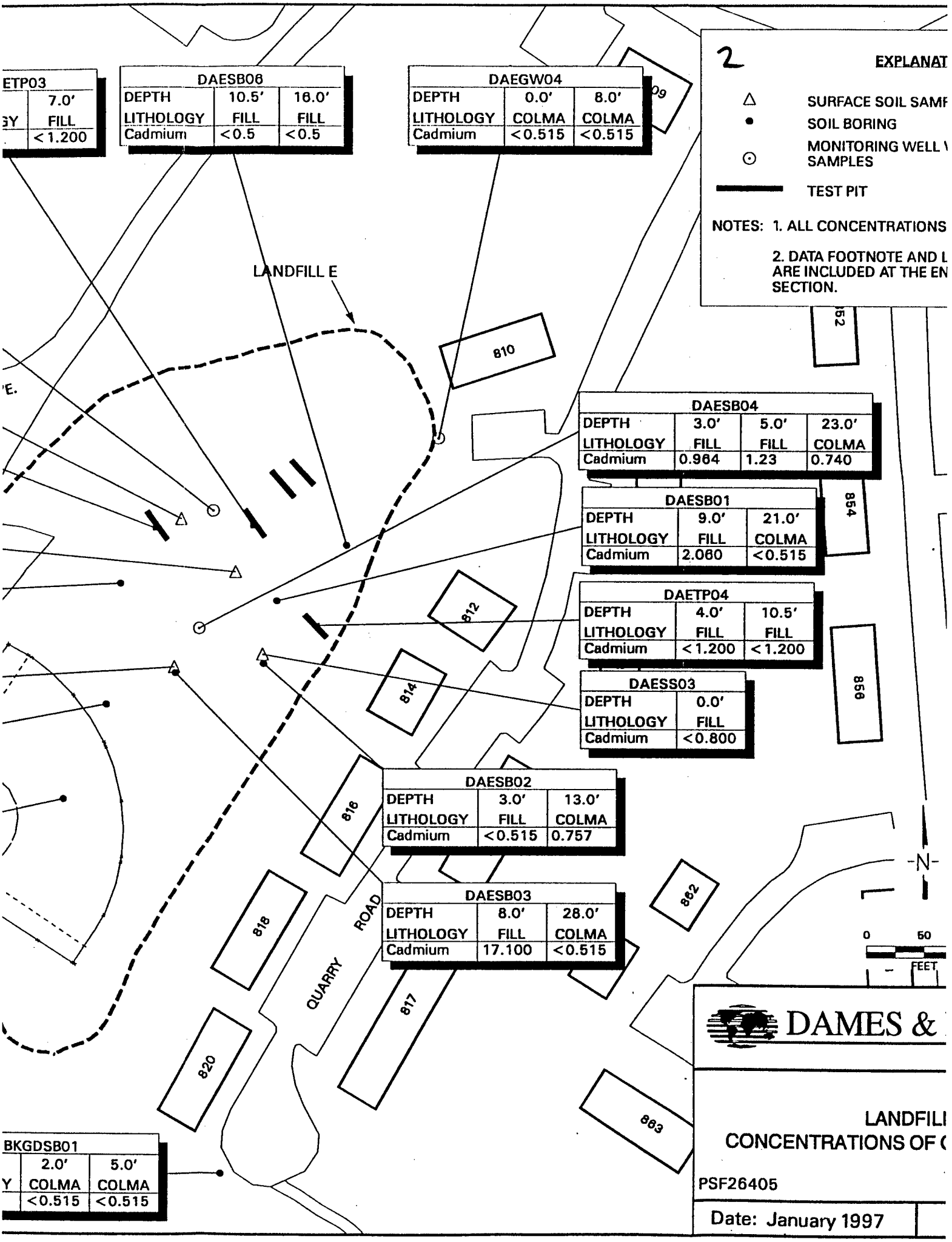
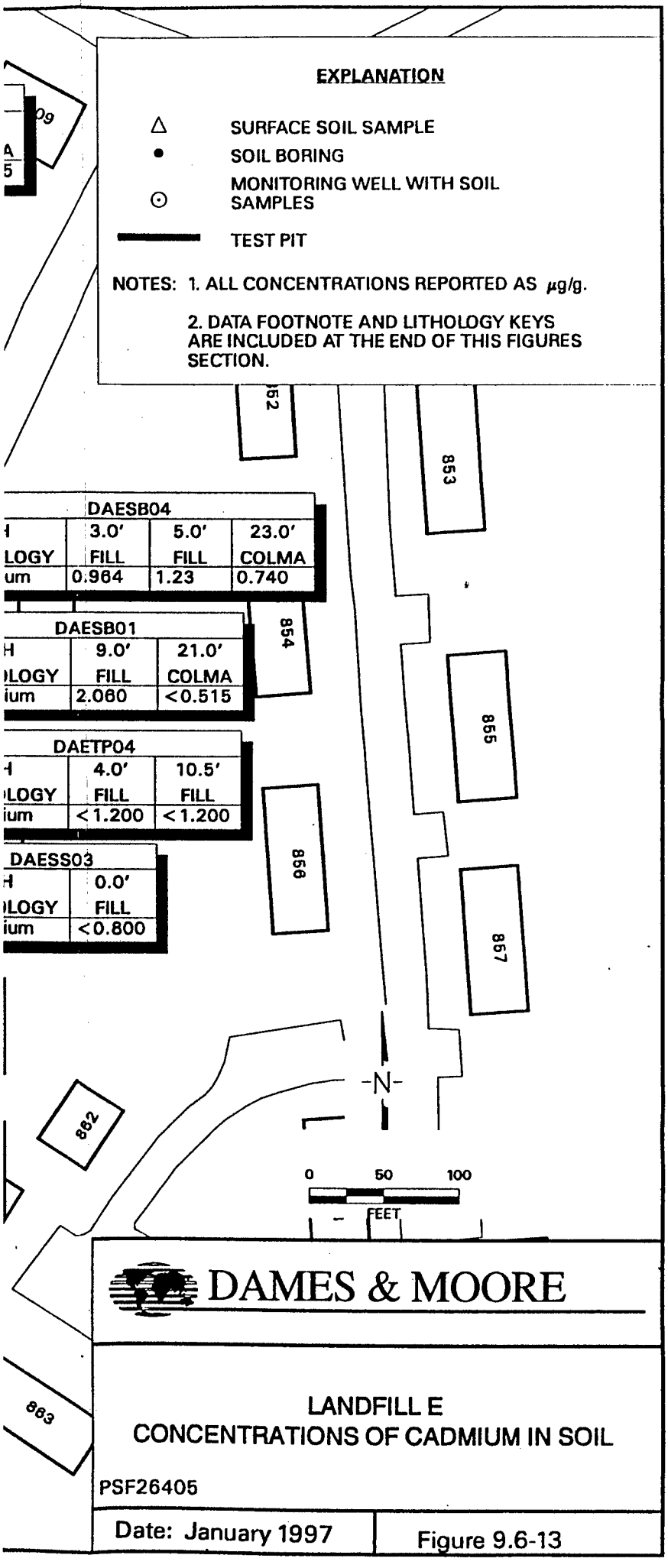


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17 Sep 96 10:37:13 Tuesday 11x17_v3.aml, plotfile base_LFE_S_fig.ps, PSF


2
EXPLANAT
SURFACE SOIL SAMF
SOIL BORING
MONITORING WELL V
SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND L
ARE INCLUDED AT THE EN
SECTION.
ETP03
7.0'
FILL
<1.200
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Cadmium <0.5 <0.5
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Cadmium <0.515 <0.515
LANDFILL E
810
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Cadmium 0.964 1.23 0.740
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Cadmium 2.060 <0.515
854
812
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Cadmium <1.200 <1.200
856
814
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Cadmium <0.800
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Cadmium <0.515 0.757
816
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Cadmium 17.100 <0.515
818
ROAD
QUARRY
817
862
820
863
BKGDSB01
2.0' 5.0'
COLMA COLMA
<0.515 <0.515
-N-
0 50
FEET
DAMES &
LANDFILL
CONCENTRATIONS OF
PSF26405
Date: January 1997



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26405

Date: January 1997

Figure 9.6-13

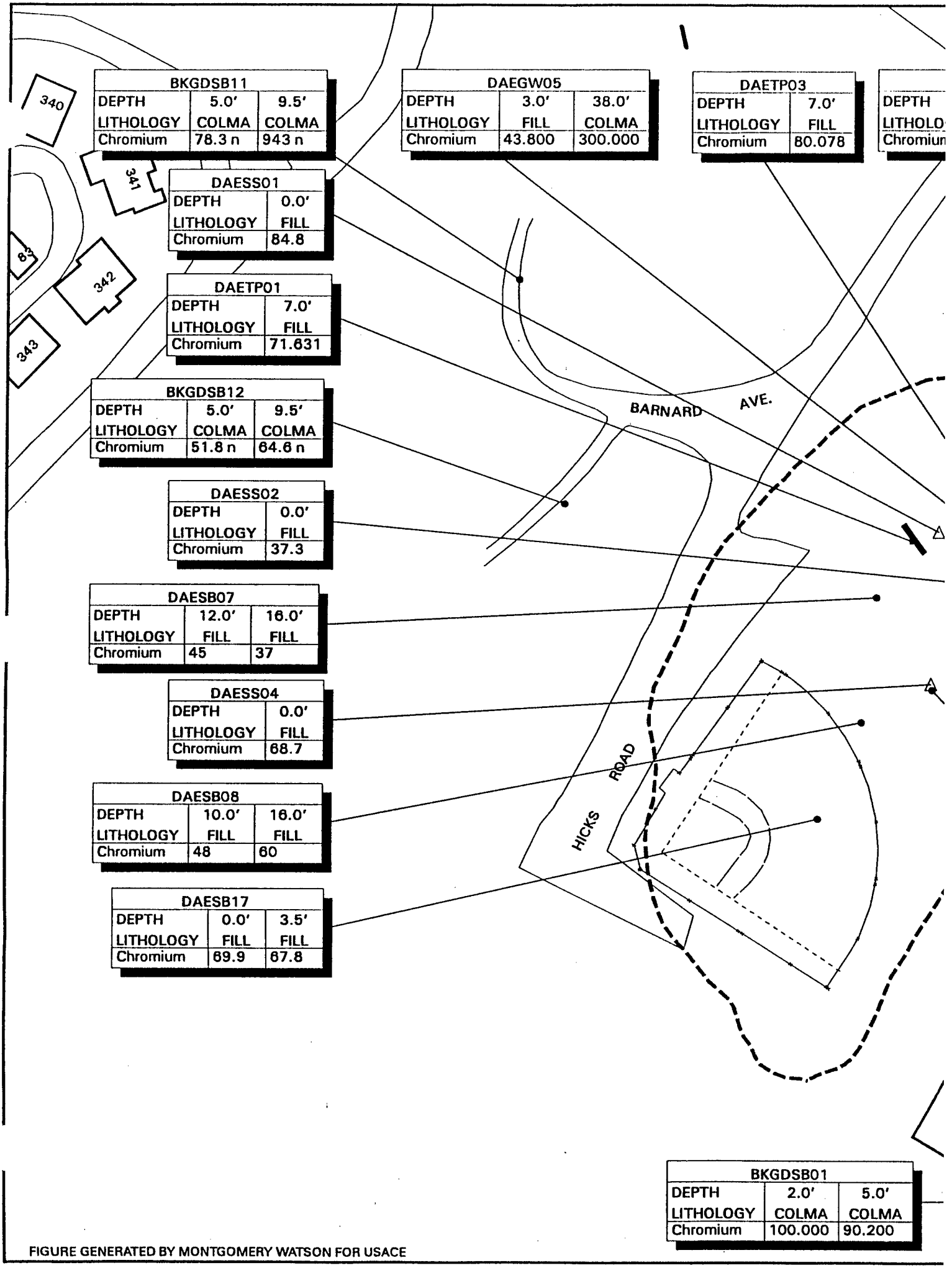
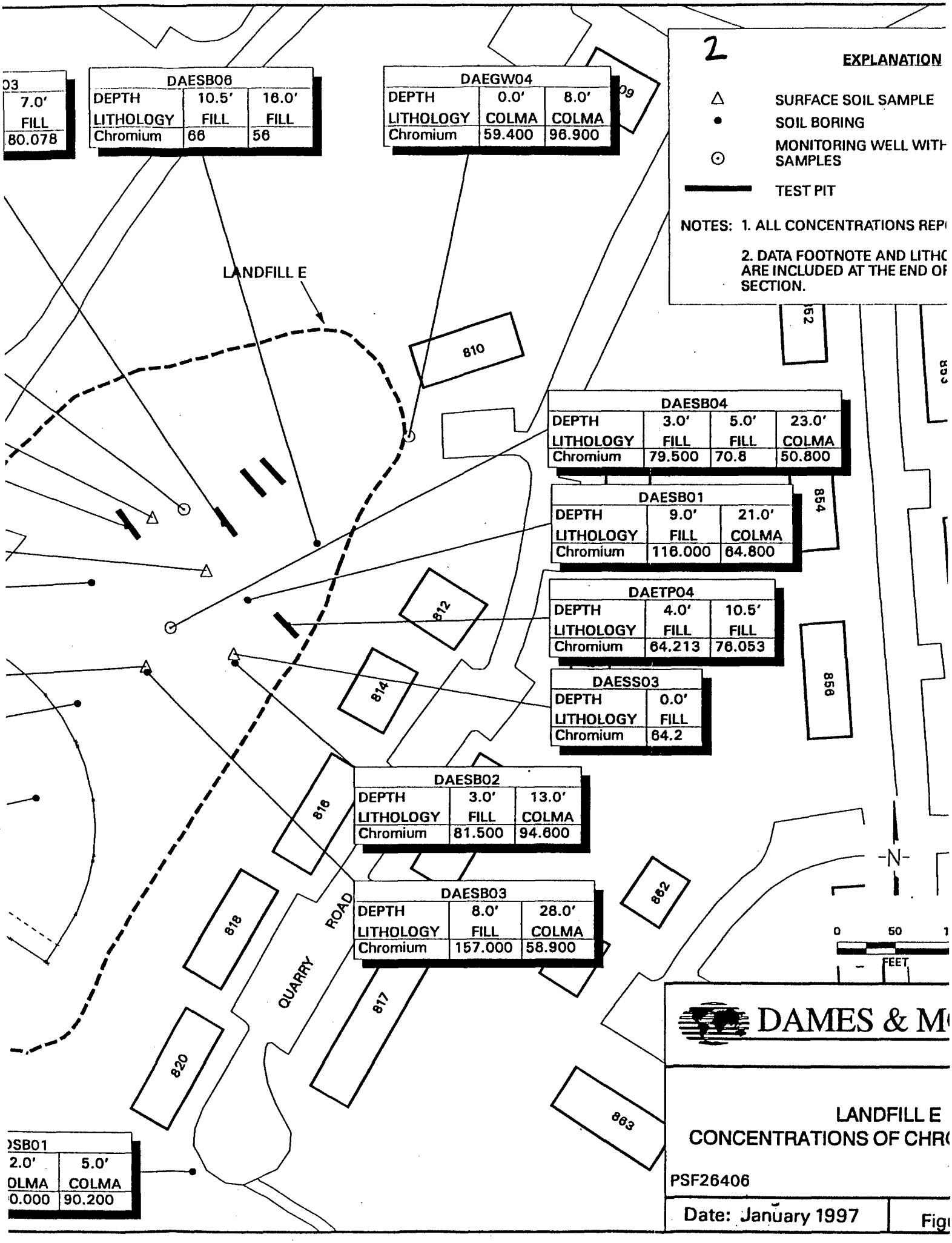
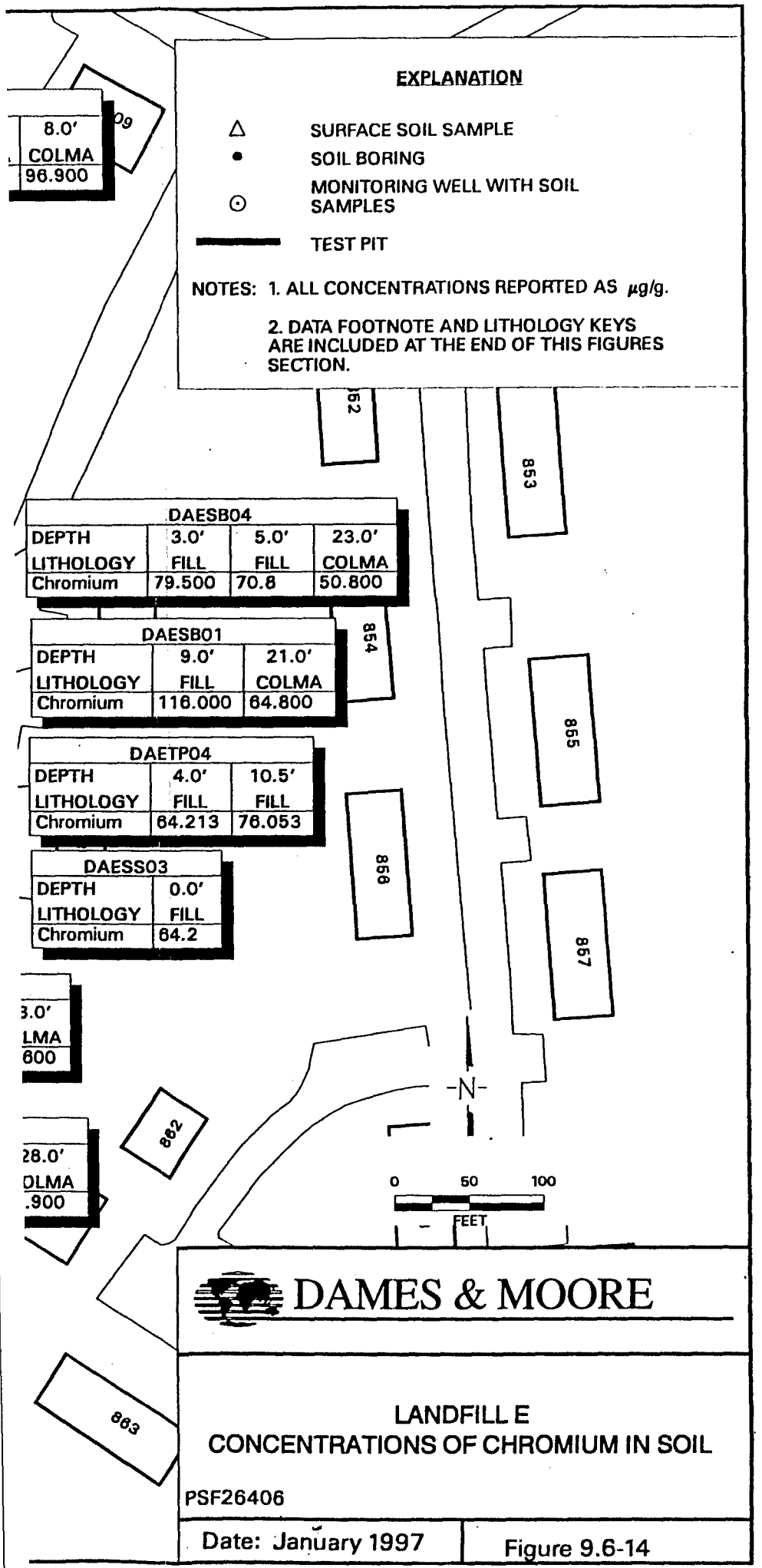


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17 Sep 96 10:45:34 Tuesday 11x17_v3.aml, pkstfile here_LFE_S_7.grn.PSF


2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
LANDFILL E
DAESB06
DEPTH | 10.5' | 16.0'
LITHOLOGY | FILL | FILL
Chromium | 66 | 56
DAEGW04
DEPTH | 0.0' | 8.0'
LITHOLOGY | COLMA | COLMA
Chromium | 59.400 | 96.900
DAESB04
DEPTH | 3.0' | 5.0' | 23.0'
LITHOLOGY | FILL | FILL | COLMA
Chromium | 79.500 | 70.8 | 50.800
DAESB01
DEPTH | 9.0' | 21.0'
LITHOLOGY | FILL | COLMA
Chromium | 116.000 | 64.800
DAETP04
DEPTH | 4.0' | 10.5'
LITHOLOGY | FILL | FILL
Chromium | 64.213 | 76.053
DAESS03
DEPTH | 0.0'
LITHOLOGY | FILL
Chromium | 64.2
DAESB02
DEPTH | 3.0' | 13.0'
LITHOLOGY | FILL | COLMA
Chromium | 81.500 | 94.600
DAESB03
DEPTH | 8.0' | 28.0'
LITHOLOGY | FILL | COLMA
Chromium | 157.000 | 58.900
QUARRY ROAD
810
812
814
816
817
818
820
852
854
856
862
863
N
0 50
FEET
DAMES & M
LANDFILL E
CONCENTRATIONS OF CHR
PSF26406
Date: January 1997



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26406

Date: January 1997

Figure 9.6-14

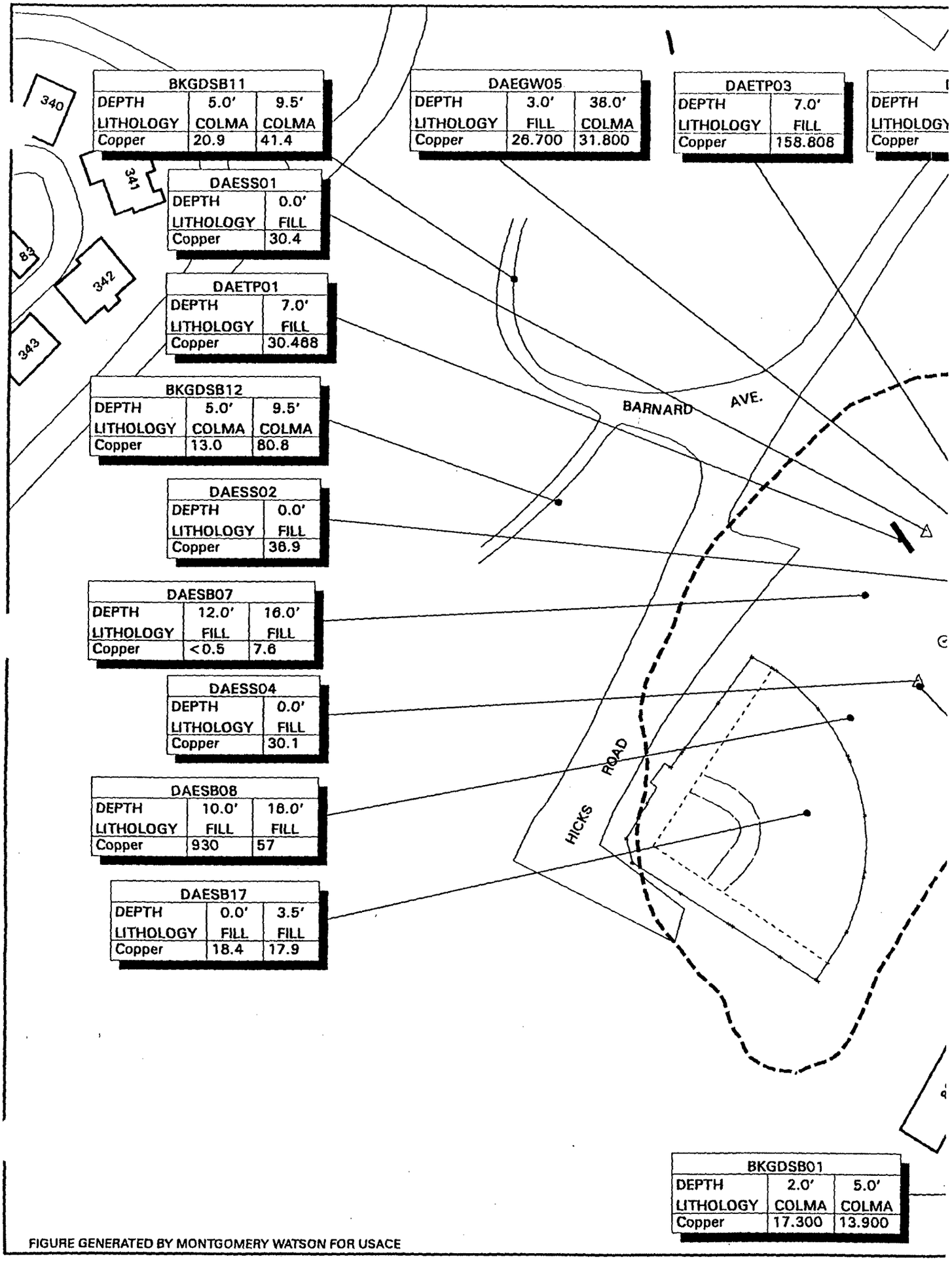
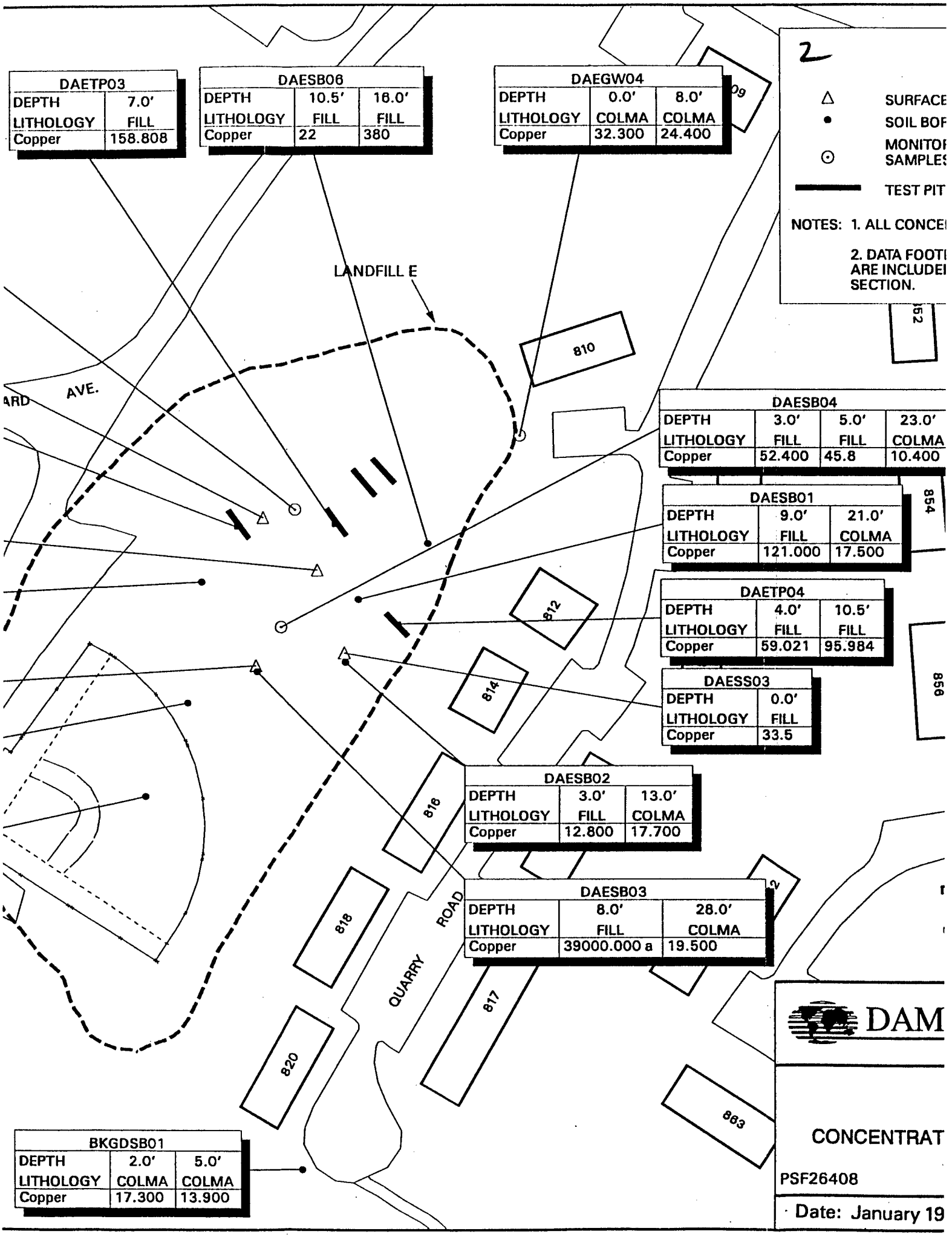
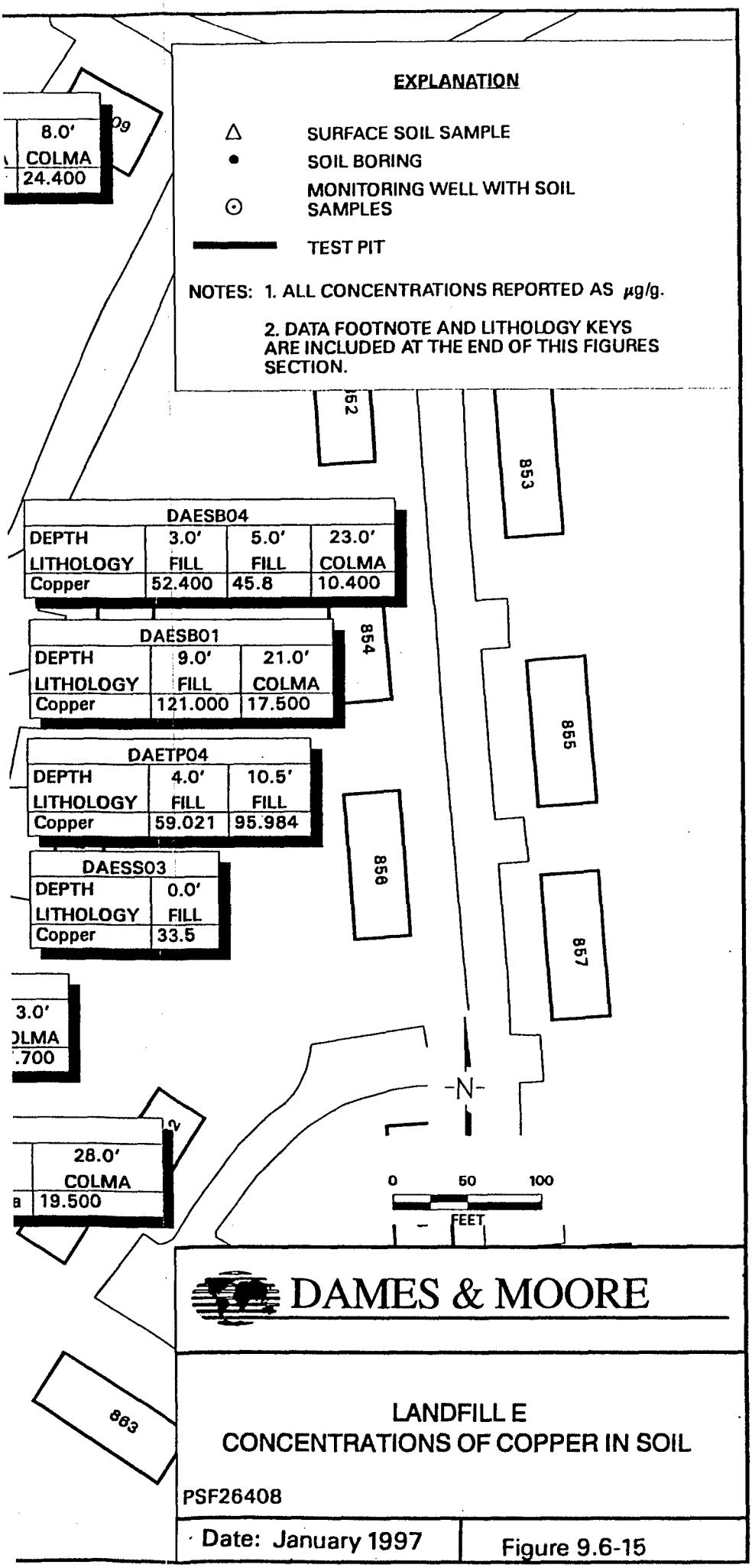


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
SURFACE
SOIL BOR
MONITOR
SAMPLES
TEST PIT
NOTES: 1. ALL CONCE
2. DATA FOOTI
ARE INCLUDEI
SECTION.
LANDFILL E
AVE.
ROAD
QUARRY
810
812
814
816
818
820
817
863
854
856
DAETP03
DEPTH 7.0'
LITHOLOGY FILL
Copper 158.808
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Copper 22 380
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Copper 32.300 24.400
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Copper 52.400 45.8 10.400
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Copper 121.000 17.500
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Copper 59.021 95.984
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Copper 33.5
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Copper 12.800 17.700
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Copper 39000.000 a 19.500
BKGDSB01
DEPTH 2.0' 5.0'
LITHOLOGY COLMA COLMA
Copper 17.300 13.900
DAM
CONCENTRAT
PSF26408
Date: January 19



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF COPPER IN SOIL

PSF26408

Date: January 1997

Figure 9.6-15

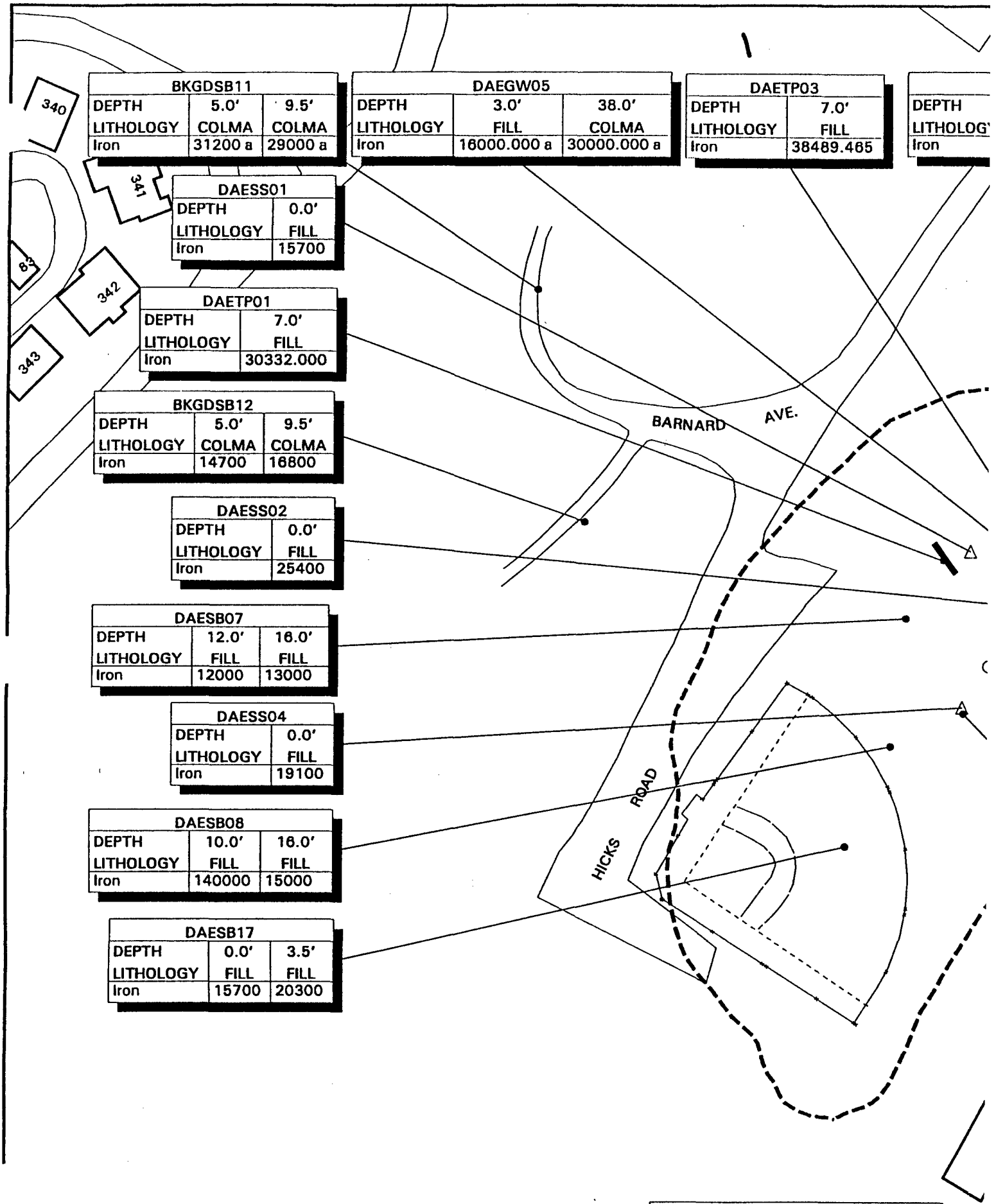
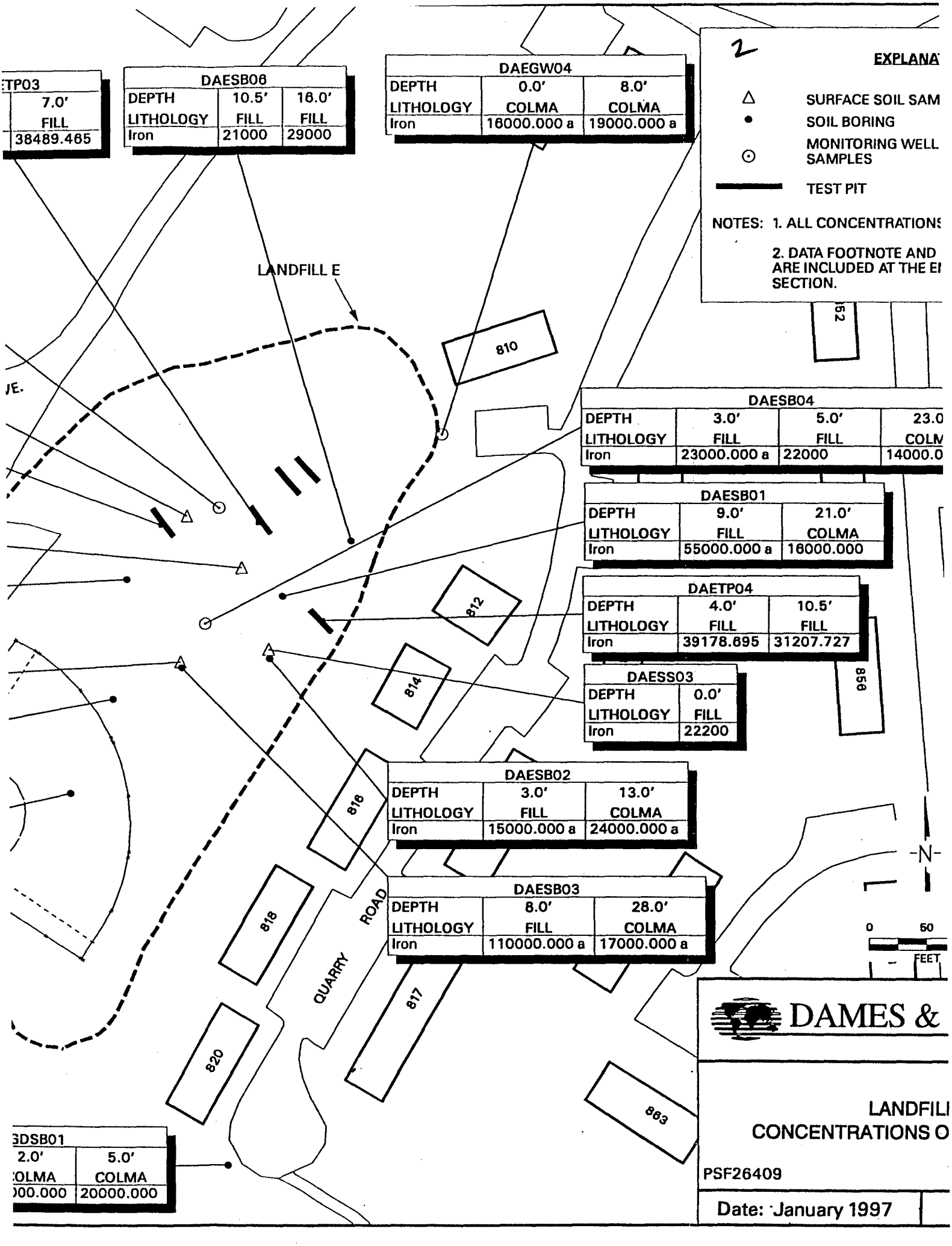


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 16:47:55 Monday, 11x17_v3.aml, plotfile base_LFE_S_11.grn, PSF



TP03	
	7.0'
	FILL
	38489.465

DAESB06		
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Iron	21000	29000

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Iron	16000.000 a	19000.000 a

DAESB04			
DEPTH	3.0'	5.0'	23.0
LITHOLOGY	FILL	FILL	COLM
Iron	23000.000 a	22000	14000.0

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Iron	55000.000 a	16000.000

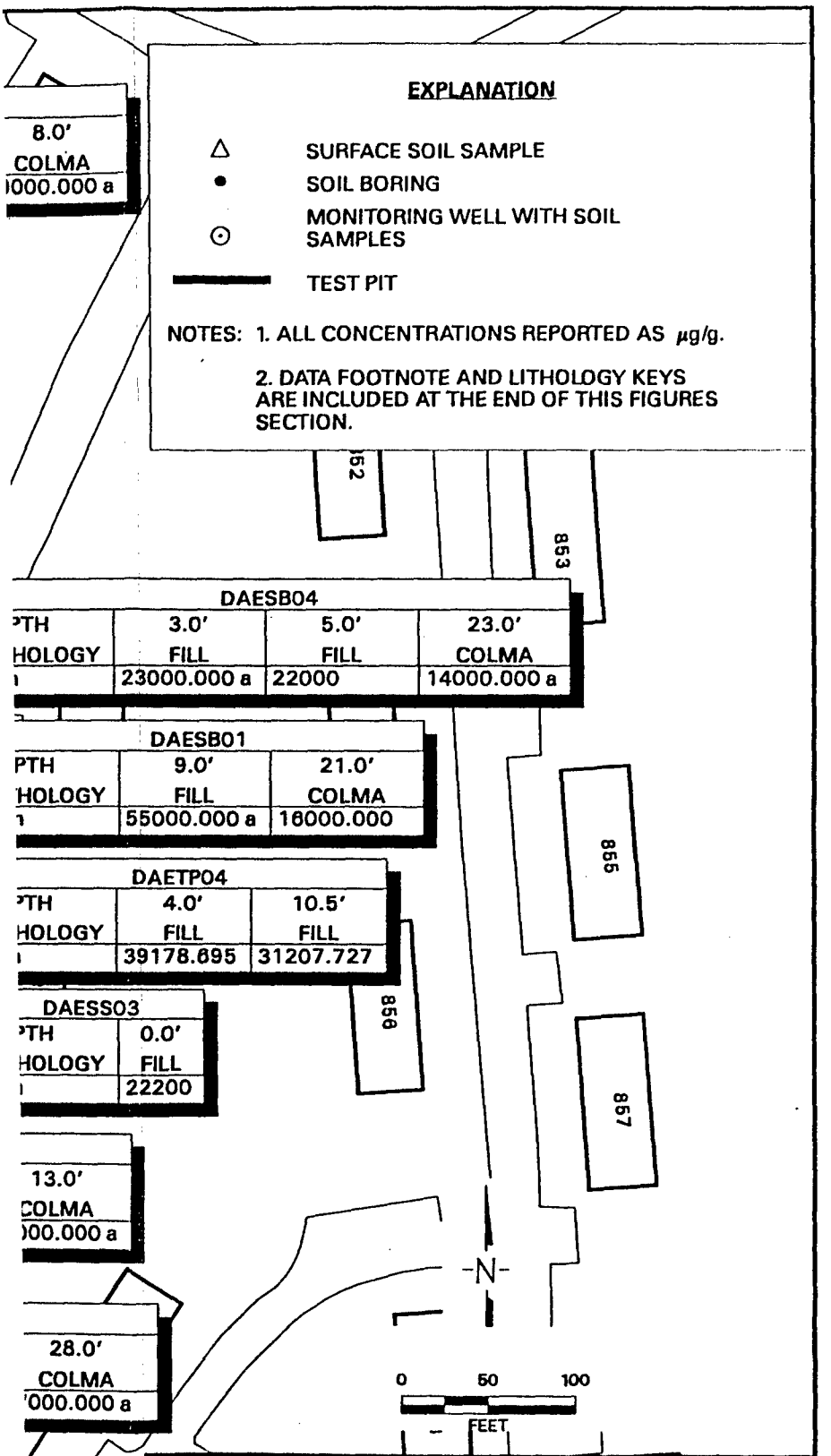
DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Iron	39178.695	31207.727

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	22200

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Iron	15000.000 a	24000.000 a

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Iron	110000.000 a	17000.000 a

SDSB01	
2.0'	5.0'
OLMA	COLMA
000.000	20000.000



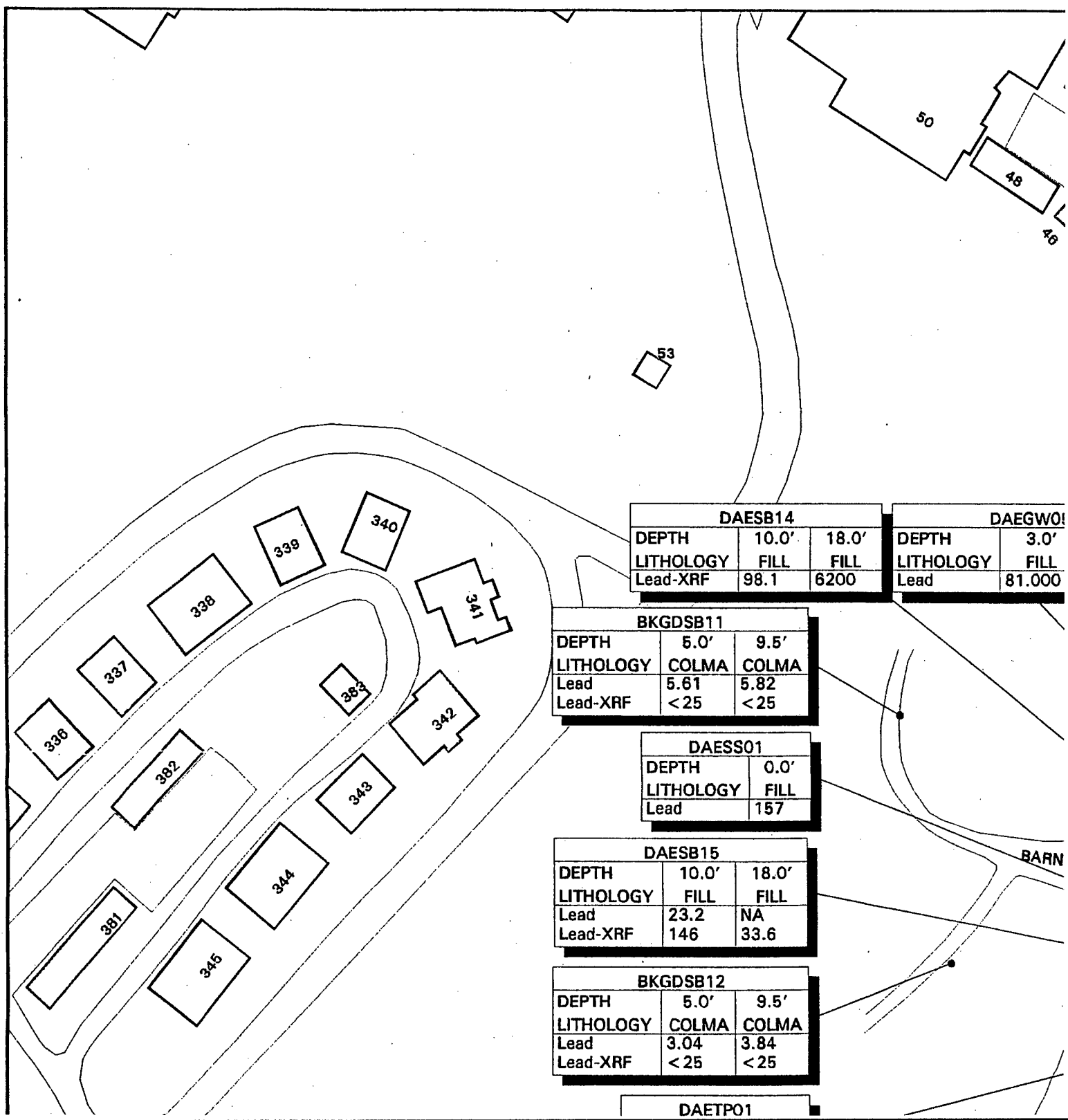
DAMES & MOORE

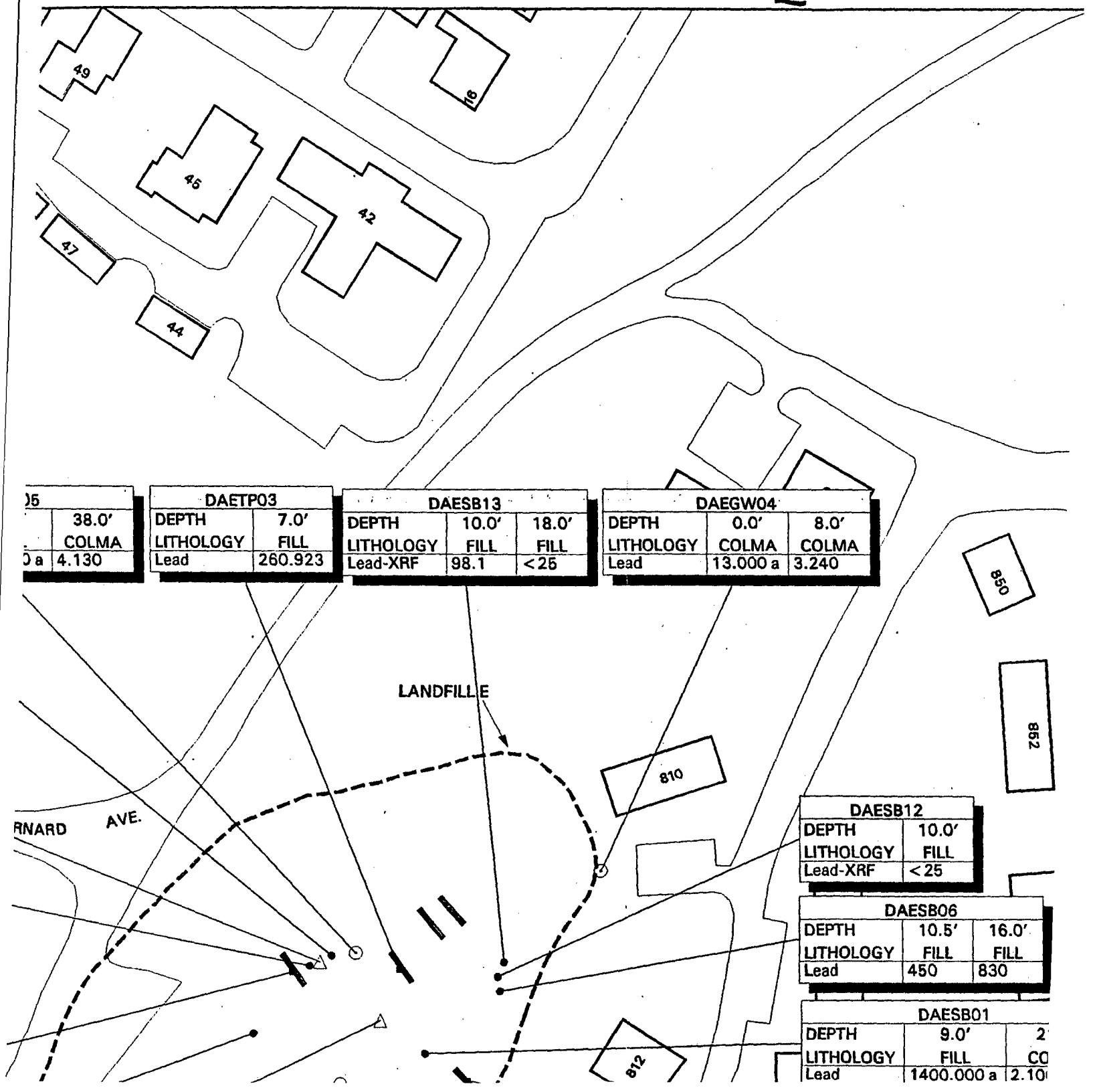
LANDFILL E
CONCENTRATIONS OF IRON IN SOIL

PSF26409

Date: January 1997

Figure 9.6-16


50
48
46
53
340
339
338
341
337
383
342
336
382
343
344
381
345
BARN
DAESB14
DEPTH 10.0' 18.0'
LITHOLOGY FILL FILL
Lead-XRF 98.1 6200
DAEGW0
DEPTH 3.0'
LITHOLOGY FILL
Lead 81.000
BKGDSB11
DEPTH 5.0' 9.5'
LITHOLOGY COLMA COLMA
Lead 5.61 5.82
Lead-XRF <25 <25
DAESS01
DEPTH 0.0'
LITHOLOGY FILL
Lead 157
DAESB15
DEPTH 10.0' 18.0'
LITHOLOGY FILL FILL
Lead 23.2 NA
Lead-XRF 146 33.6
BKGDSB12
DEPTH 5.0' 9.5'
LITHOLOGY COLMA COLMA
Lead 3.04 3.84
Lead-XRF <25 <25
DAETP01



05	
	38.0′
	COLMA
a	4.130

DAETP03	
DEPTH	7.0′
LITHOLOGY	FILL
Lead	260.923

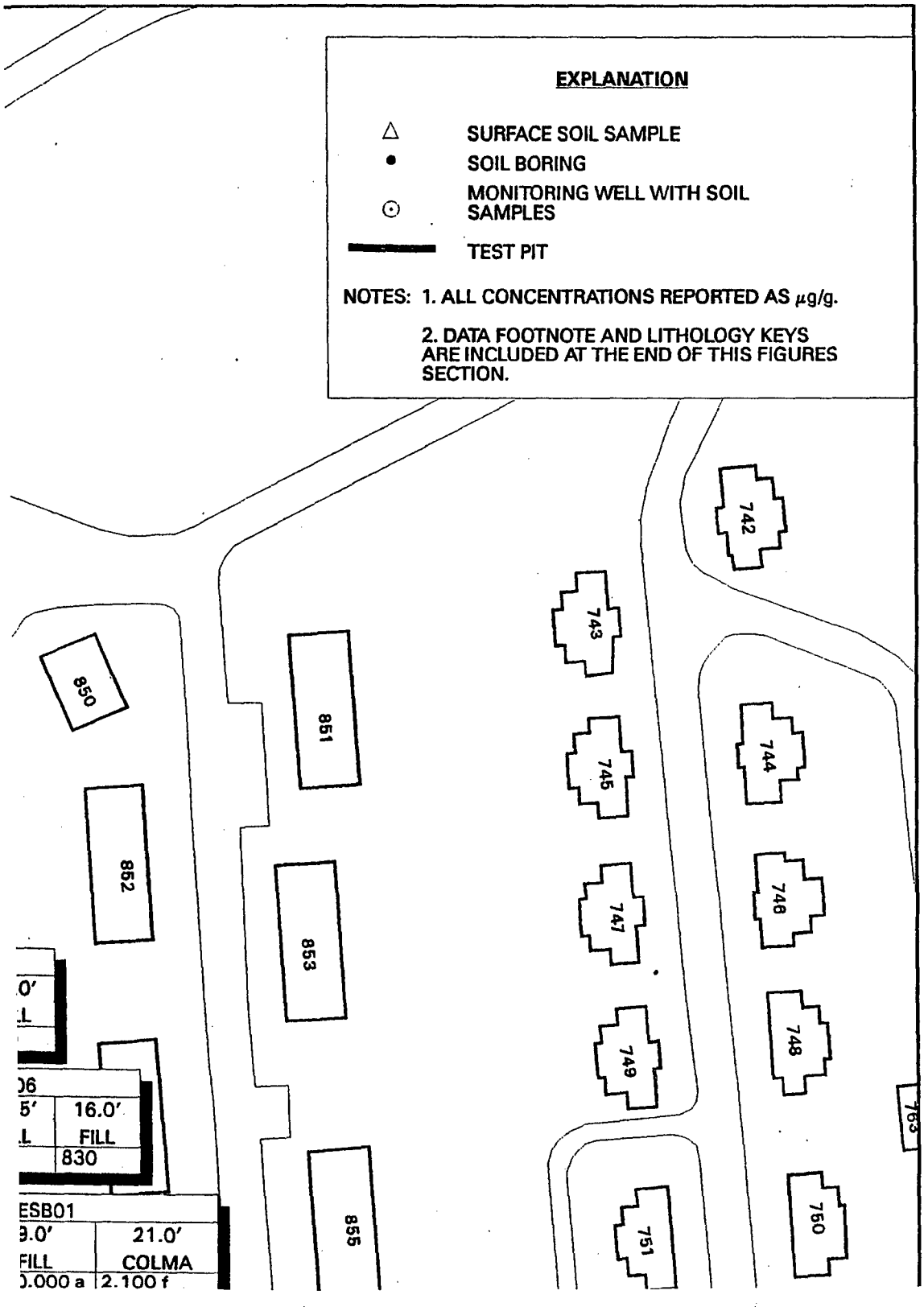
DAESB13		
DEPTH	10.0′	18.0′
LITHOLOGY	FILL	FILL
Lead-XRF	98.1	< 25

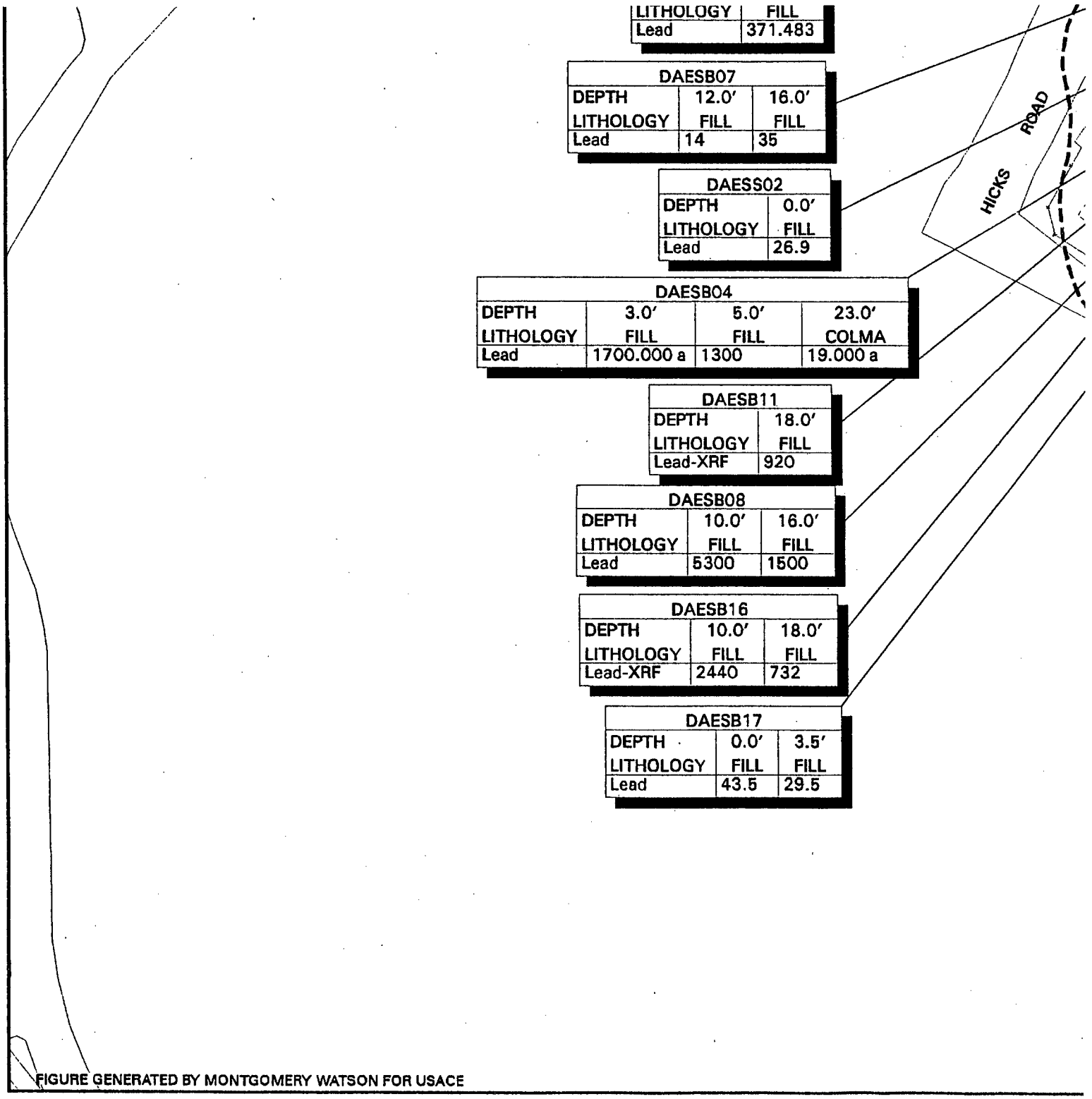
DAEGW04		
DEPTH	0.0′	8.0′
LITHOLOGY	COLMA	COLMA
Lead	13.000 a	3.240

DAESB12	
DEPTH	10.0′
LITHOLOGY	FILL
Lead-XRF	< 25

DAESB06		
DEPTH	10.5′	16.0′
LITHOLOGY	FILL	FILL
Lead	450	830

DAESB01		
DEPTH	9.0′	2
LITHOLOGY	FILL	CO
Lead	1400.000 a	2.10


EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SOIL SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
742
743
744
745
747
748
748
749
750
751
763
850
851
852
853
855
16.0'
FILL
830
21.0'
COLMA
2.100 f



LITHOLOGY	FILL
Lead	371.483

DAESB07		
DEPTH	12.0′	16.0′
LITHOLOGY	FILL	FILL
Lead	14	35

DAESS02	
DEPTH	0.0′
LITHOLOGY	FILL
Lead	26.9

DAESB04			
DEPTH	3.0′	5.0′	23.0′
LITHOLOGY	FILL	FILL	COLMA
Lead	1700.000 a	1300	19.000 a

DAESB11	
DEPTH	18.0′
LITHOLOGY	FILL
Lead-XRF	920

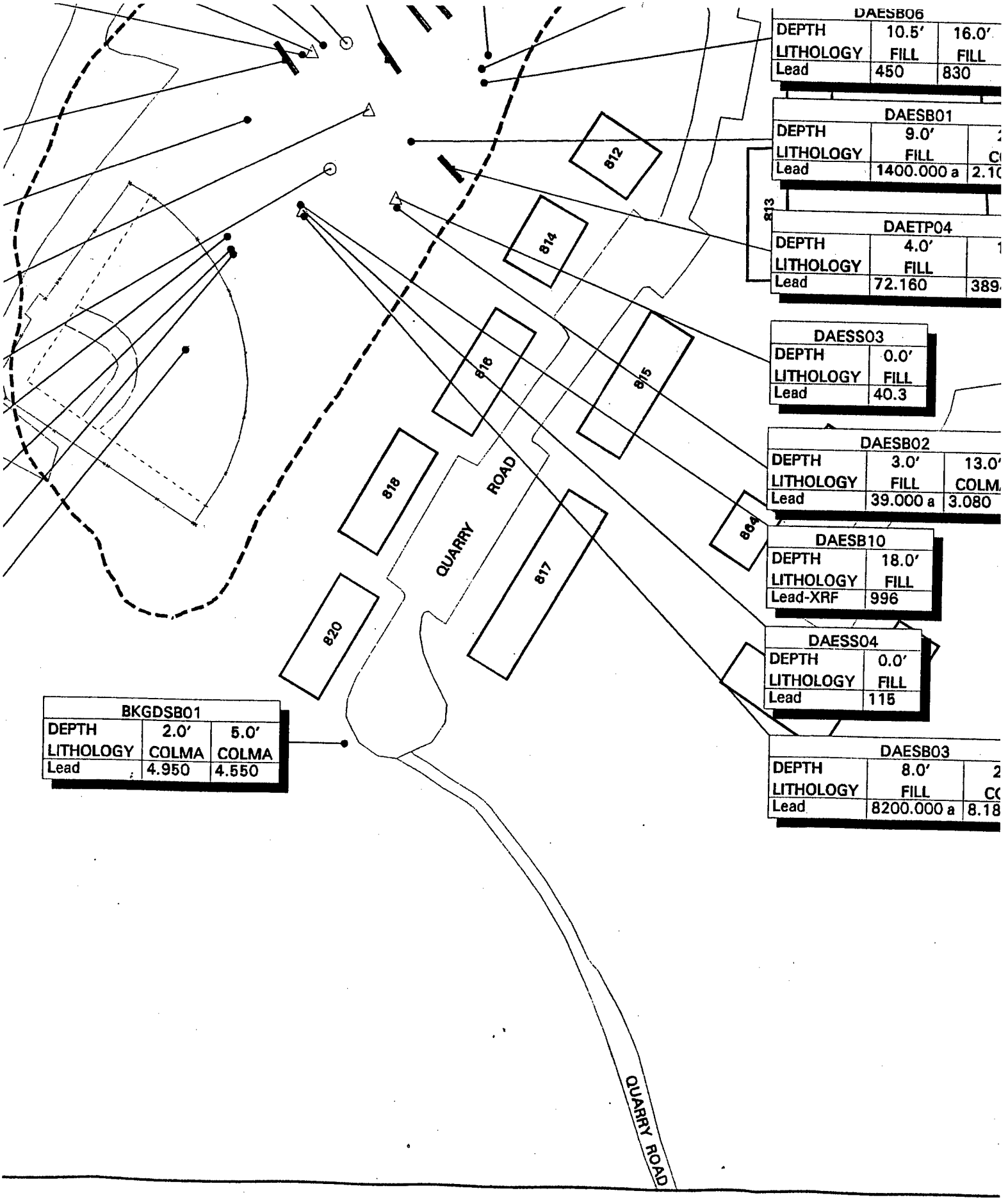
DAESB08		
DEPTH	10.0′	16.0′
LITHOLOGY	FILL	FILL
Lead	5300	1500

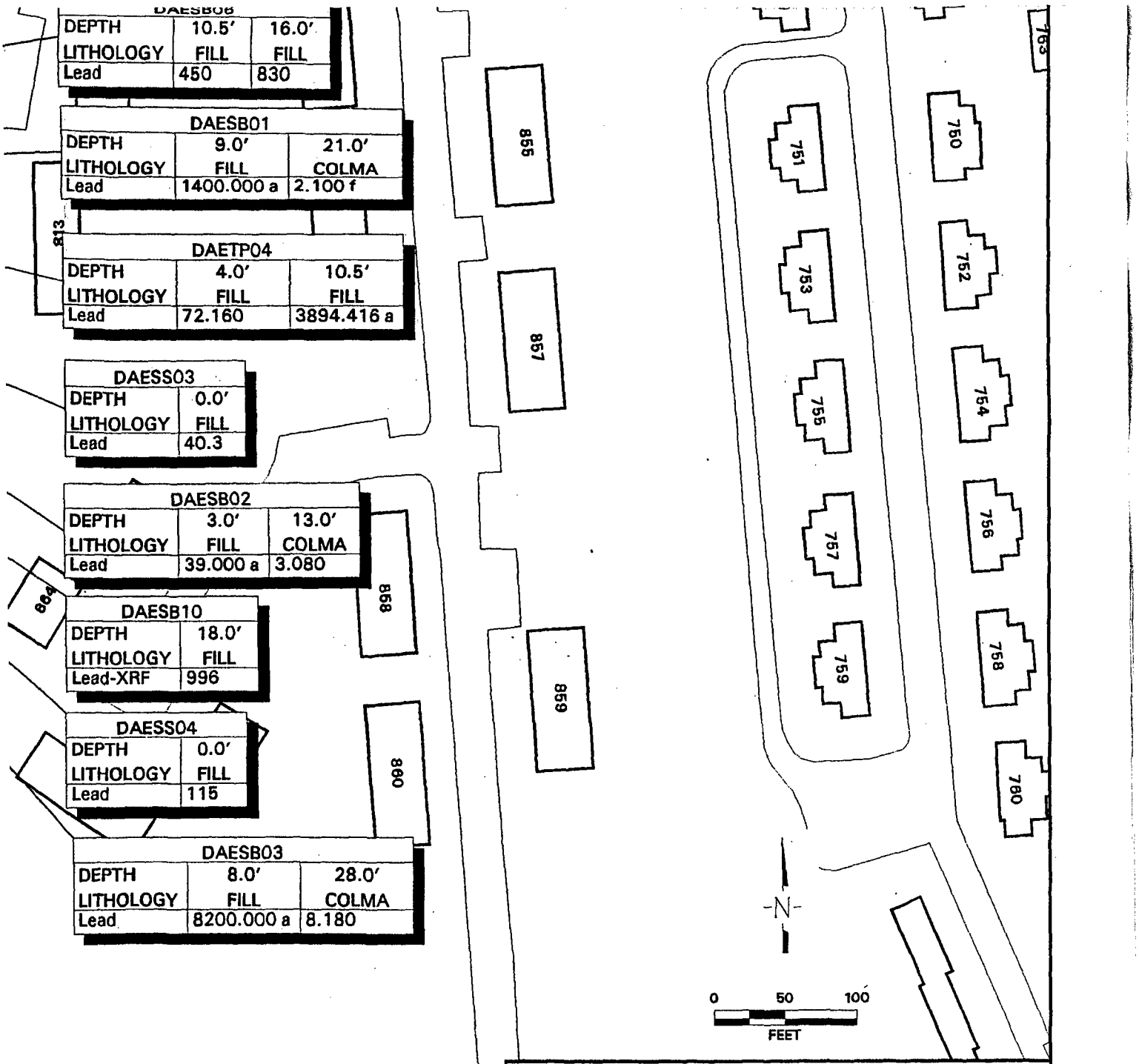
DAESB16		
DEPTH	10.0′	18.0′
LITHOLOGY	FILL	FILL
Lead-XRF	2440	732

DAESB17		
DEPTH	0.0′	3.5′
LITHOLOGY	FILL	FILL
Lead	43.5	29.5

16 Sep 96 16:49:59 Monday, base_11x17_v3.mxd, plotfile base_LFE_S_12.grn, PSP

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


DAESB06
DEPTH 10.5′ 16.0′
LITHOLOGY FILL FILL
Lead 450 830
DAESB01
DEPTH 9.0′
LITHOLOGY FILL
Lead 1400.000 a
DAETP04
DEPTH 4.0′
LITHOLOGY FILL
Lead 72.160
DAESS03
DEPTH 0.0′
LITHOLOGY FILL
Lead 40.3
DAESB02
DEPTH 3.0′ 13.0′
LITHOLOGY FILL COLM
Lead 39.000 a 3.080
DAESB10
DEPTH 18.0′
LITHOLOGY FILL
Lead-XRF 996
DAESS04
DEPTH 0.0′
LITHOLOGY FILL
Lead 115
DAESB03
DEPTH 8.0′
LITHOLOGY FILL
Lead 8200.000 a
BKGDSB01
DEPTH 2.0′ 5.0′
LITHOLOGY COLMA COLMA
Lead 4.950 4.550
812
813
814
815
816
817
818
820
864
QUARRY ROAD
QUARRY ROAD



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF LEAD IN SOIL

PSF26414

Date: January 1997 | Figure 9.6-17

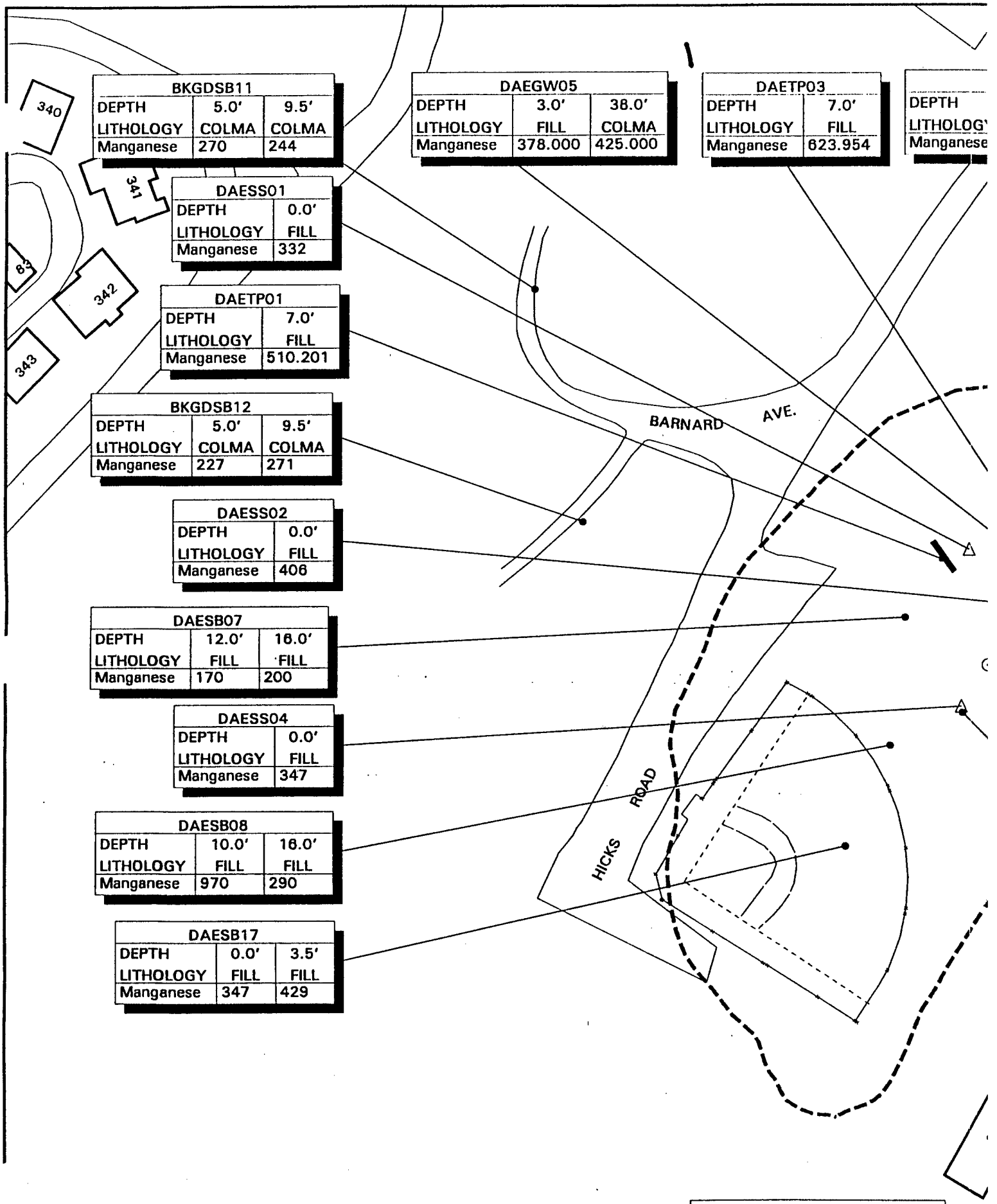


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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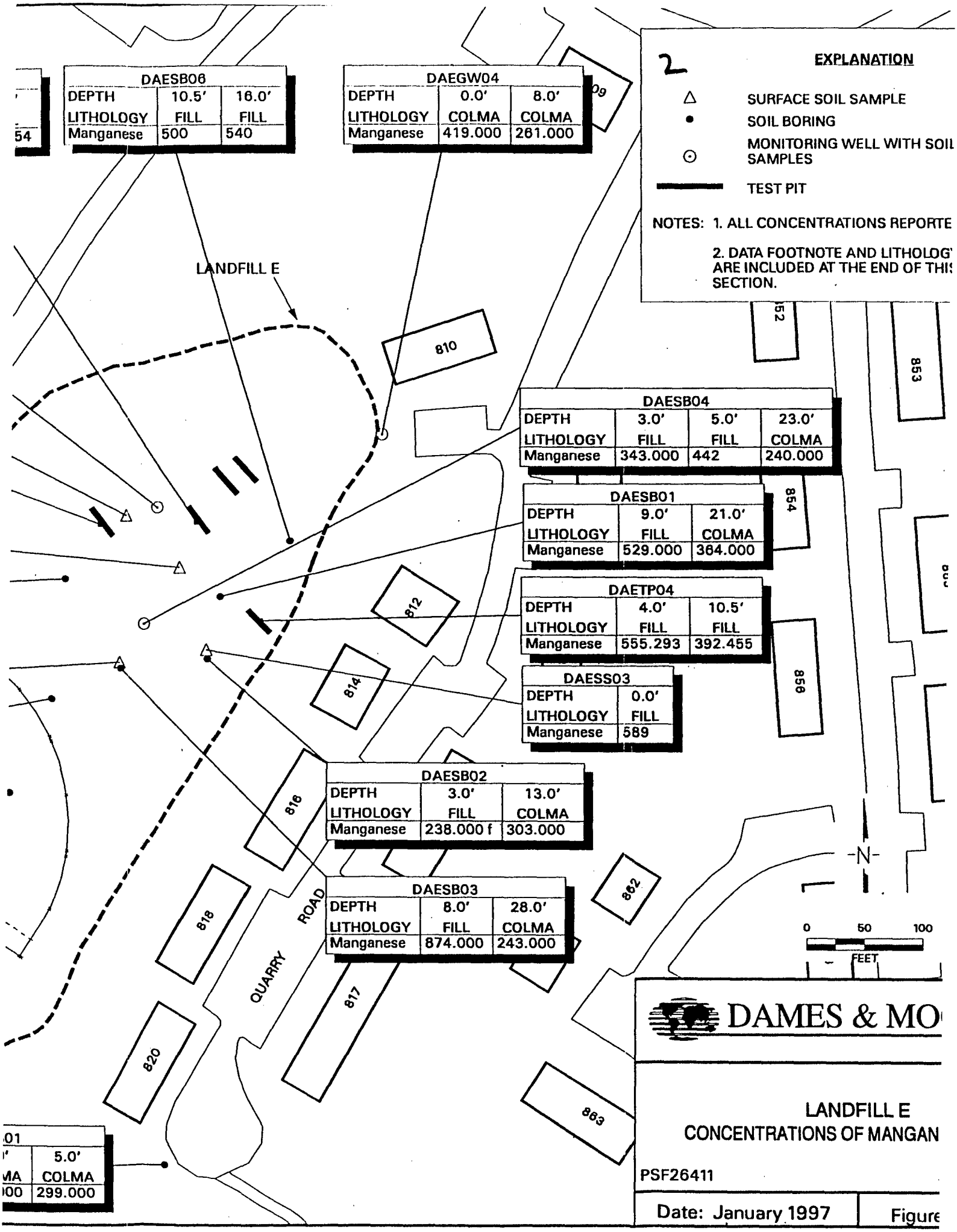
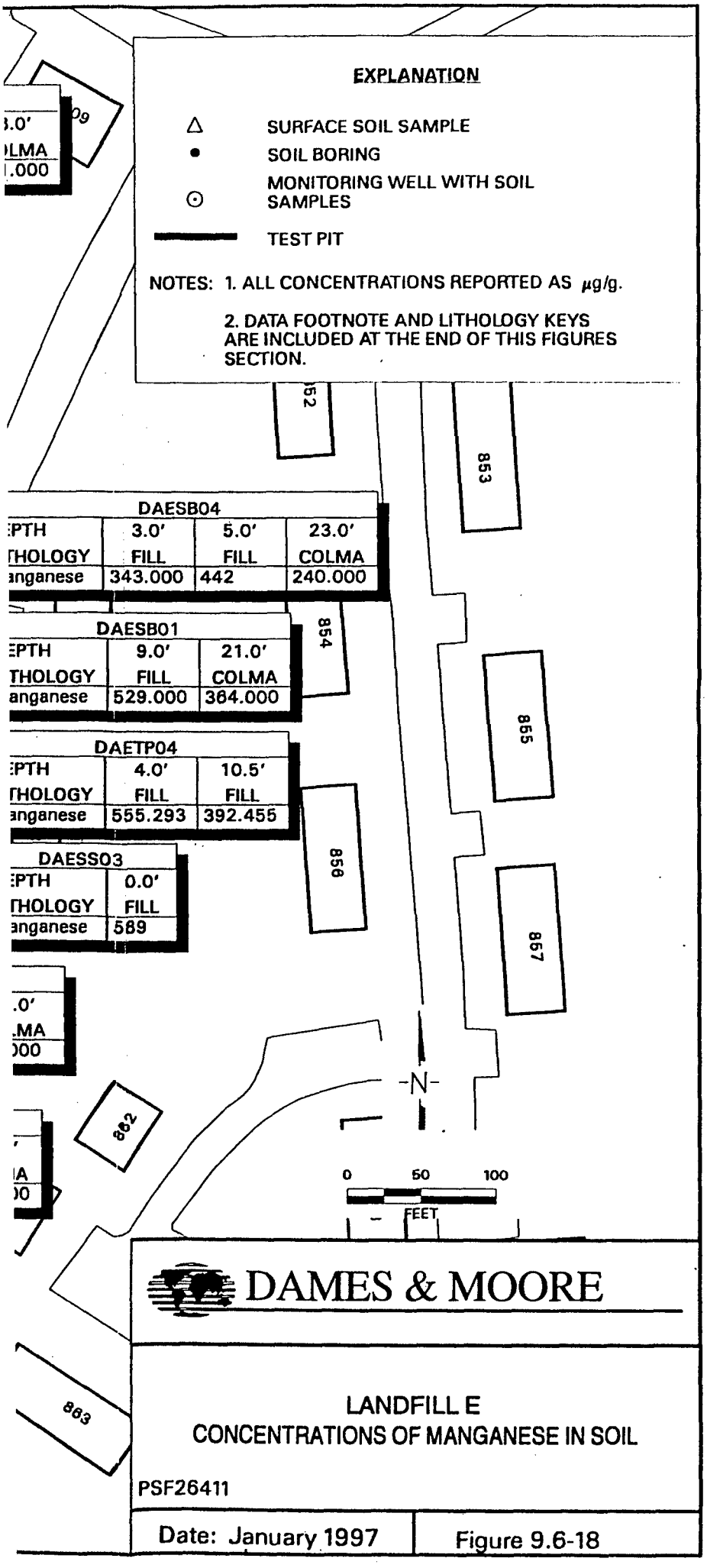

2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SOIL SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THIS SECTION.
LANDFILL E
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Manganese 500 540
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Manganese 419.000 261.000
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Manganese 343.000 442 240.000
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Manganese 529.000 364.000
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Manganese 555.293 392.455
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Manganese 589
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Manganese 238.000 f 303.000
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Manganese 874.000 243.000
810
812
814
816
817
818
820
850
853
854
862
863
QUARRY ROAD
N
0 50 100
FEET
DAMES & MO
LANDFILL E
CONCENTRATIONS OF MANGAN
PSF26411
Date: January 1997
Figure

3



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26411

Date: January 1997 | Figure 9.6-18

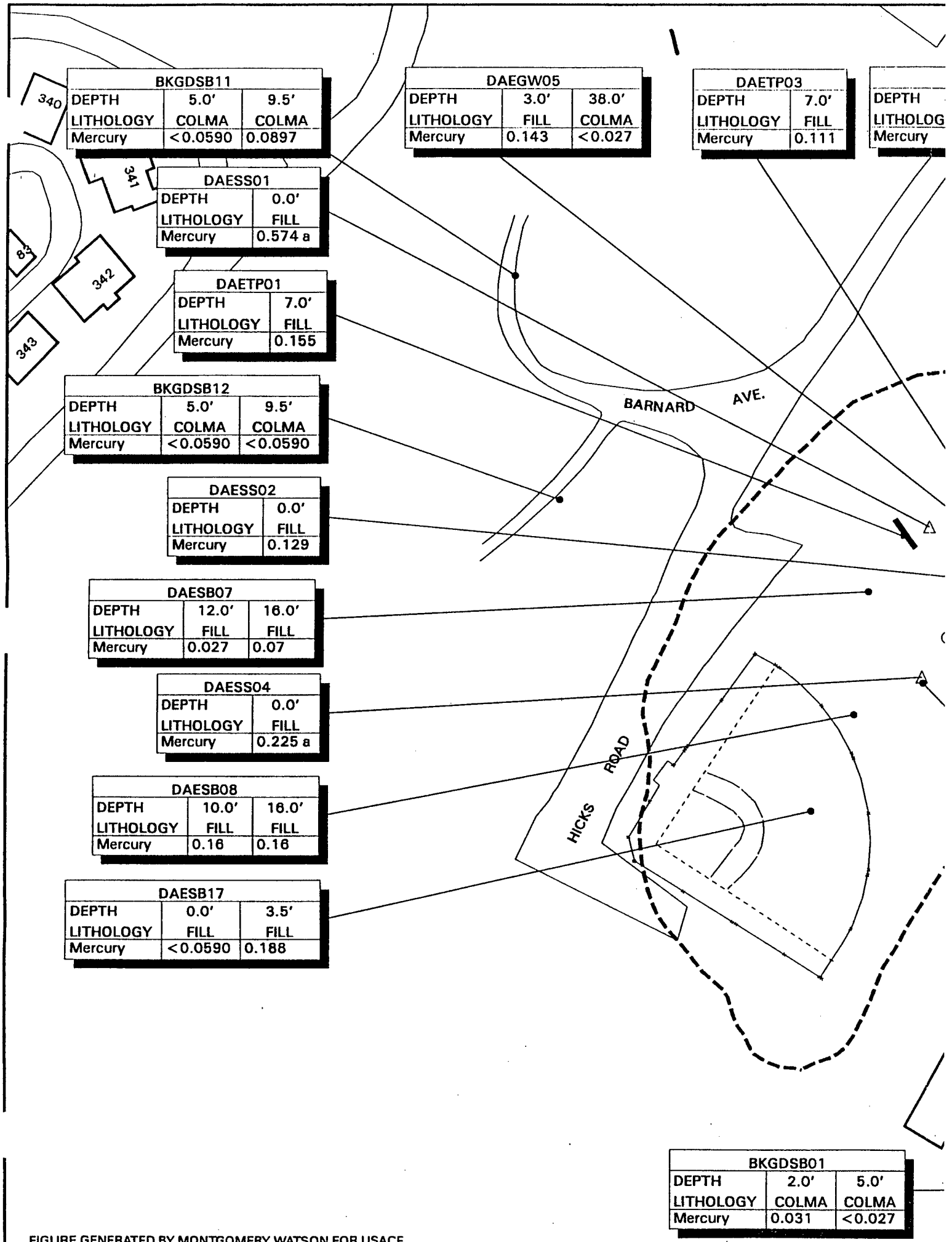


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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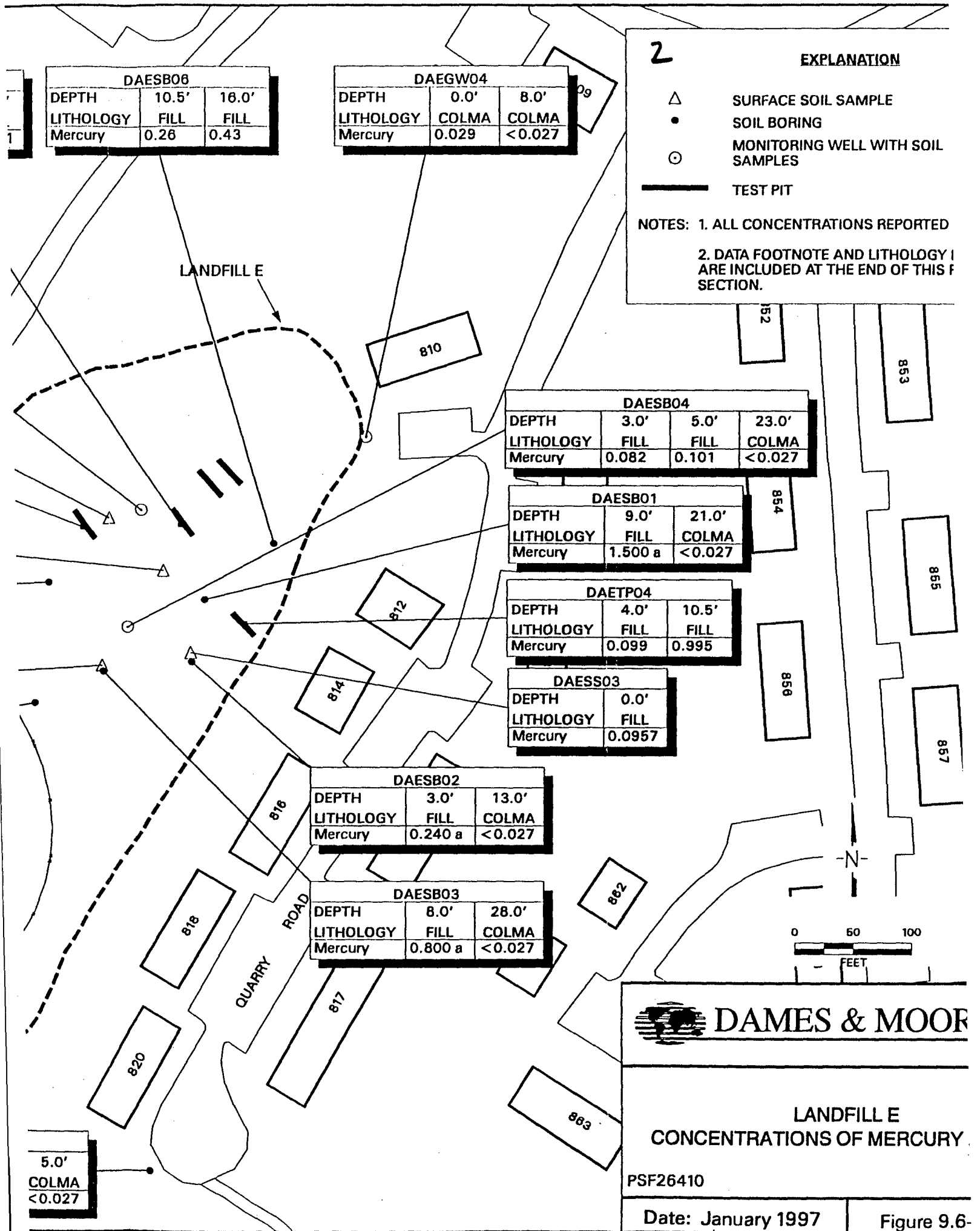
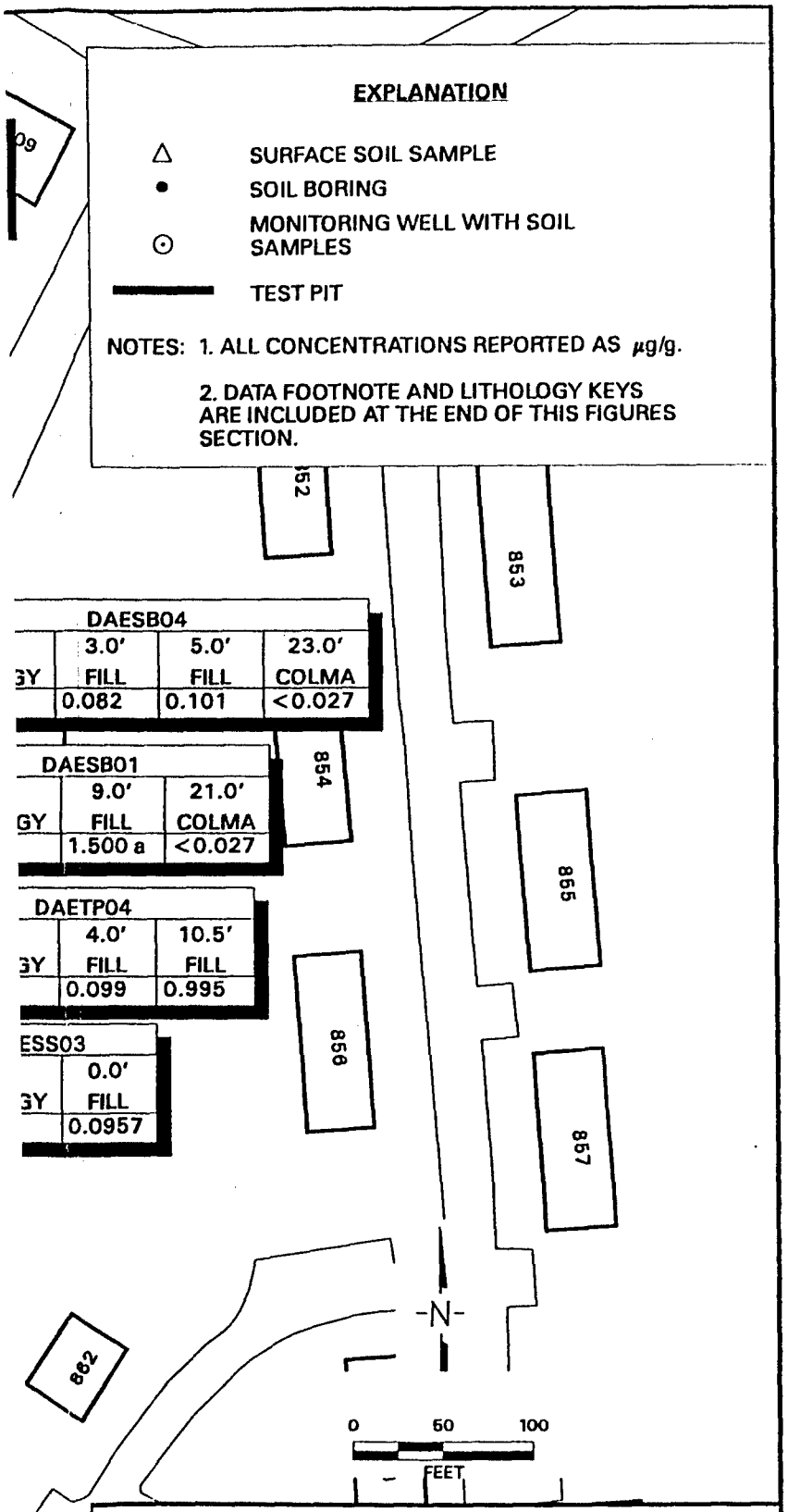

2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SOIL SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY I
ARE INCLUDED AT THE END OF THIS F
SECTION.
LANDFILL E
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Mercury 0.26 0.43
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Mercury 0.029 <0.027
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Mercury 0.082 0.101 <0.027
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Mercury 1.500 a <0.027
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Mercury 0.099 0.995
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Mercury 0.0957
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Mercury 0.240 a <0.027
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Mercury 0.800 a <0.027
5.0'
COLMA
<0.027
QUARRY ROAD
810
812
814
816
817
818
820
852
853
854
857
858
862
863
865
N
0 50 100
FEET
DAMES & MOOR
LANDFILL E
CONCENTRATIONS OF MERCURY
PSF26410
Date: January 1997
Figure 9.6-



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF MERCURY IN SOIL

PSF26410

Date: January 1997 | Figure 9.6-19

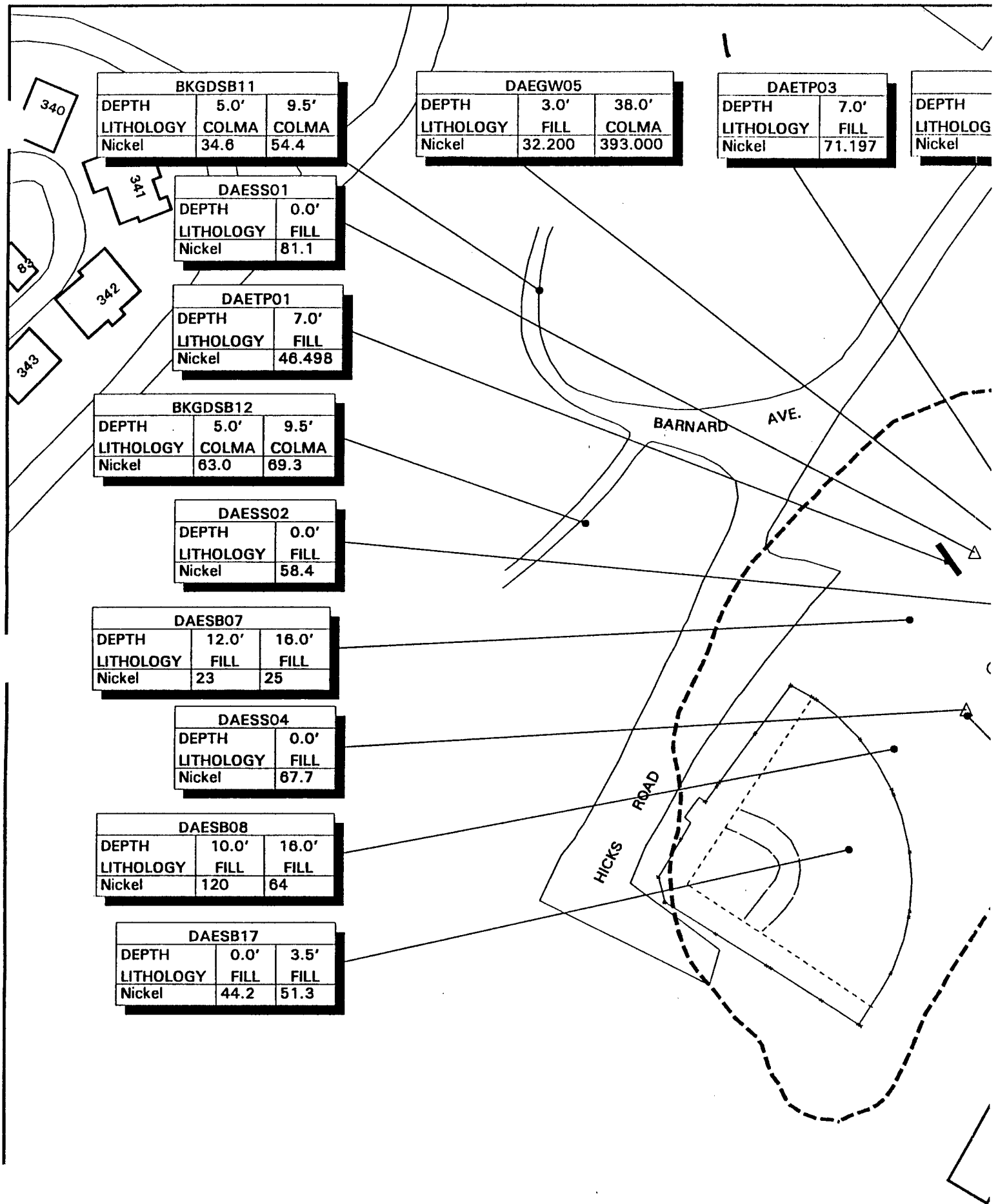


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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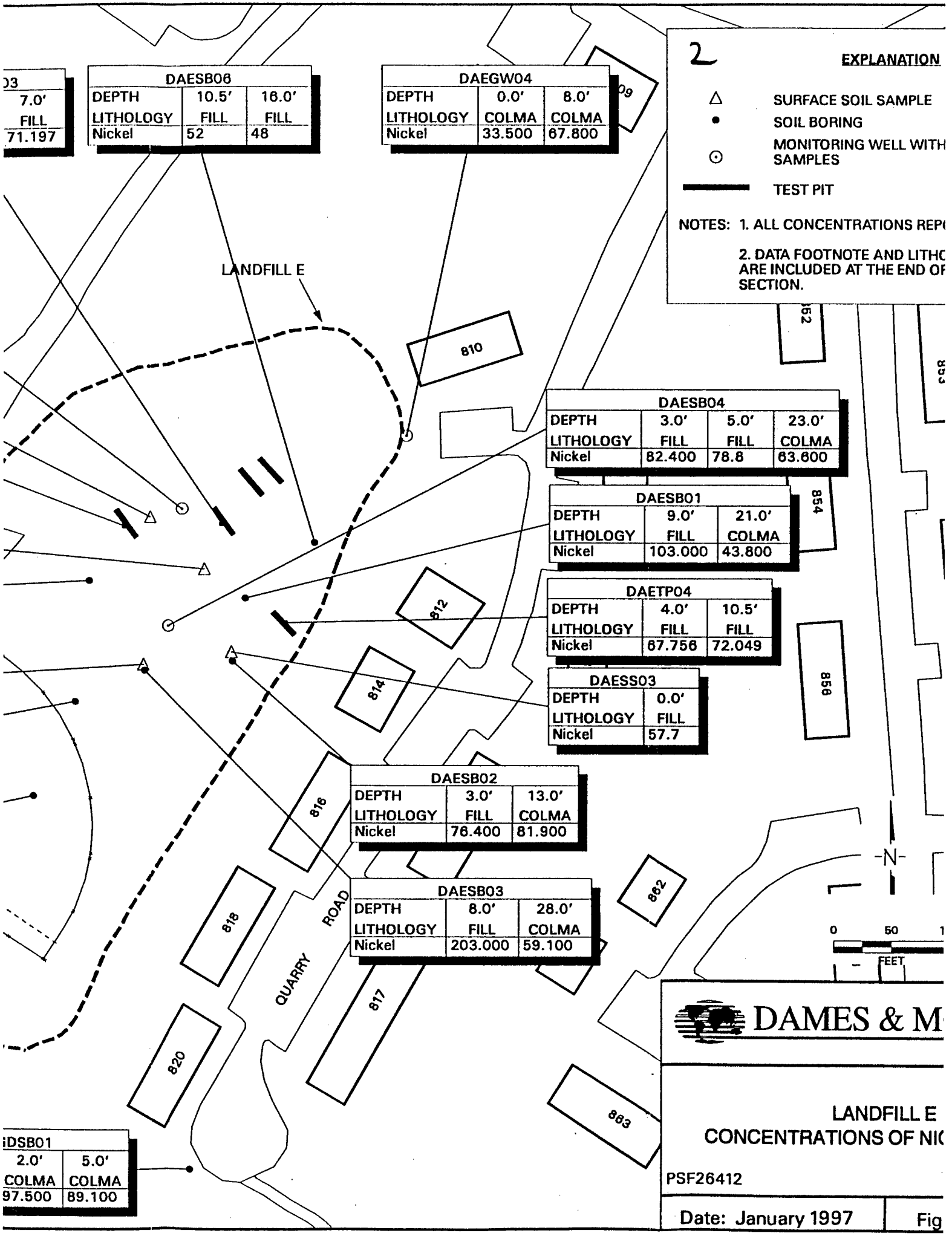
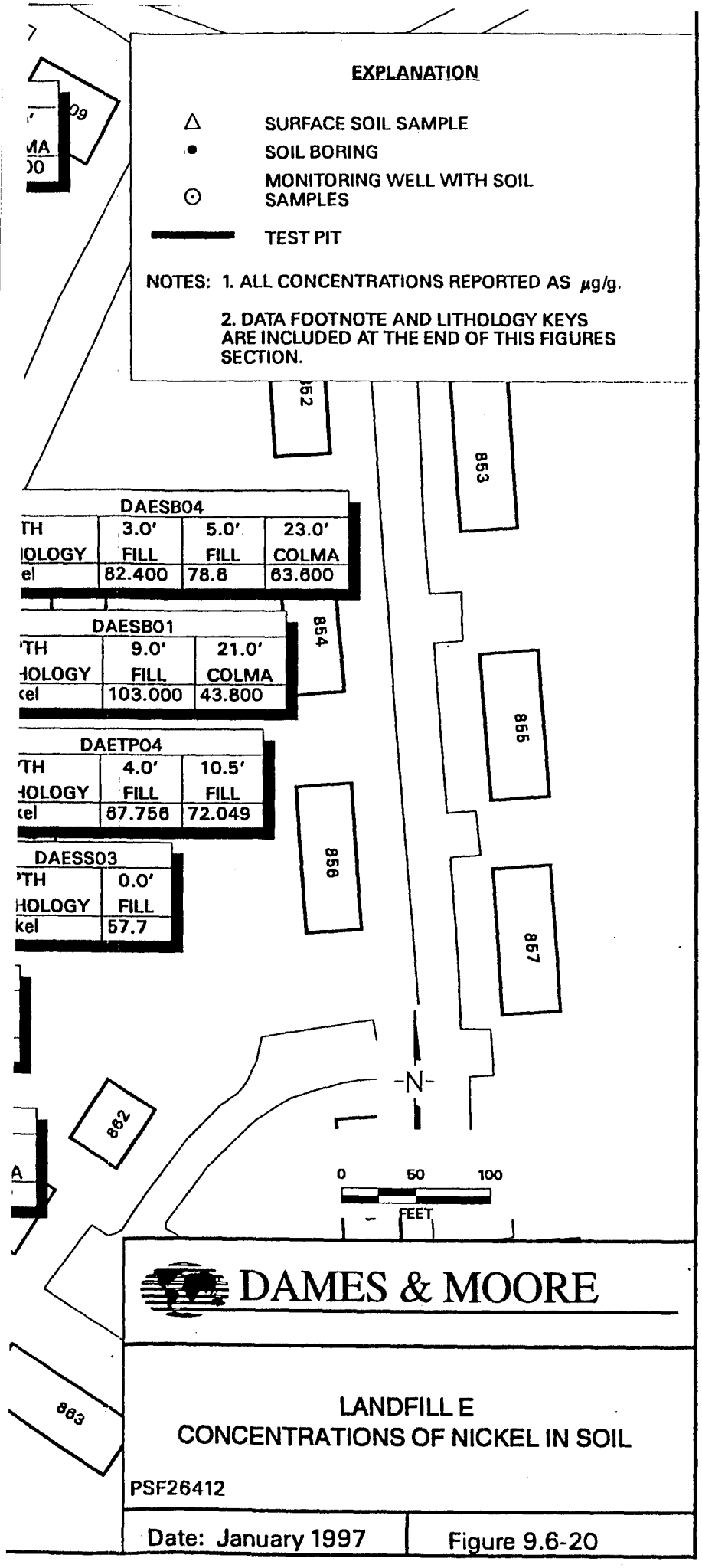

2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
LANDFILL E
ROAD
QUARRY
810
812
814
816
817
818
820
854
856
862
863
N
0
50
FEET
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Nickel 52 48
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Nickel 33.500 67.800
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Nickel 82.400 78.8 63.600
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Nickel 103.000 43.800
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Nickel 67.756 72.049
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Nickel 57.7
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Nickel 76.400 81.900
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Nickel 203.000 59.100
DAMES & M
LANDFILL E
CONCENTRATIONS OF NI
PSF26412
Date: January 1997
Fig

3



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF NICKEL IN SOIL

PSF26412

Date: January 1997

Figure 9.6-20

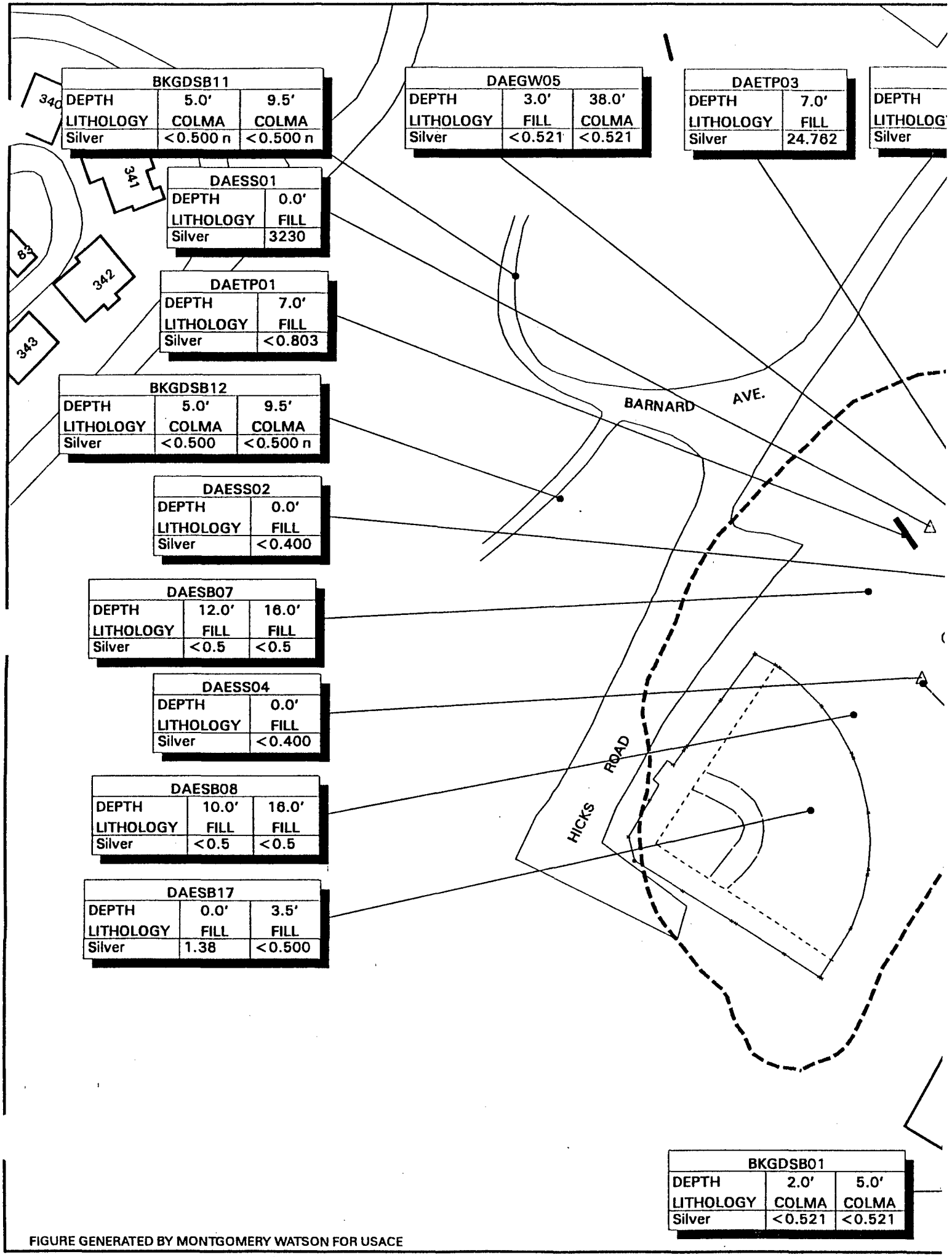


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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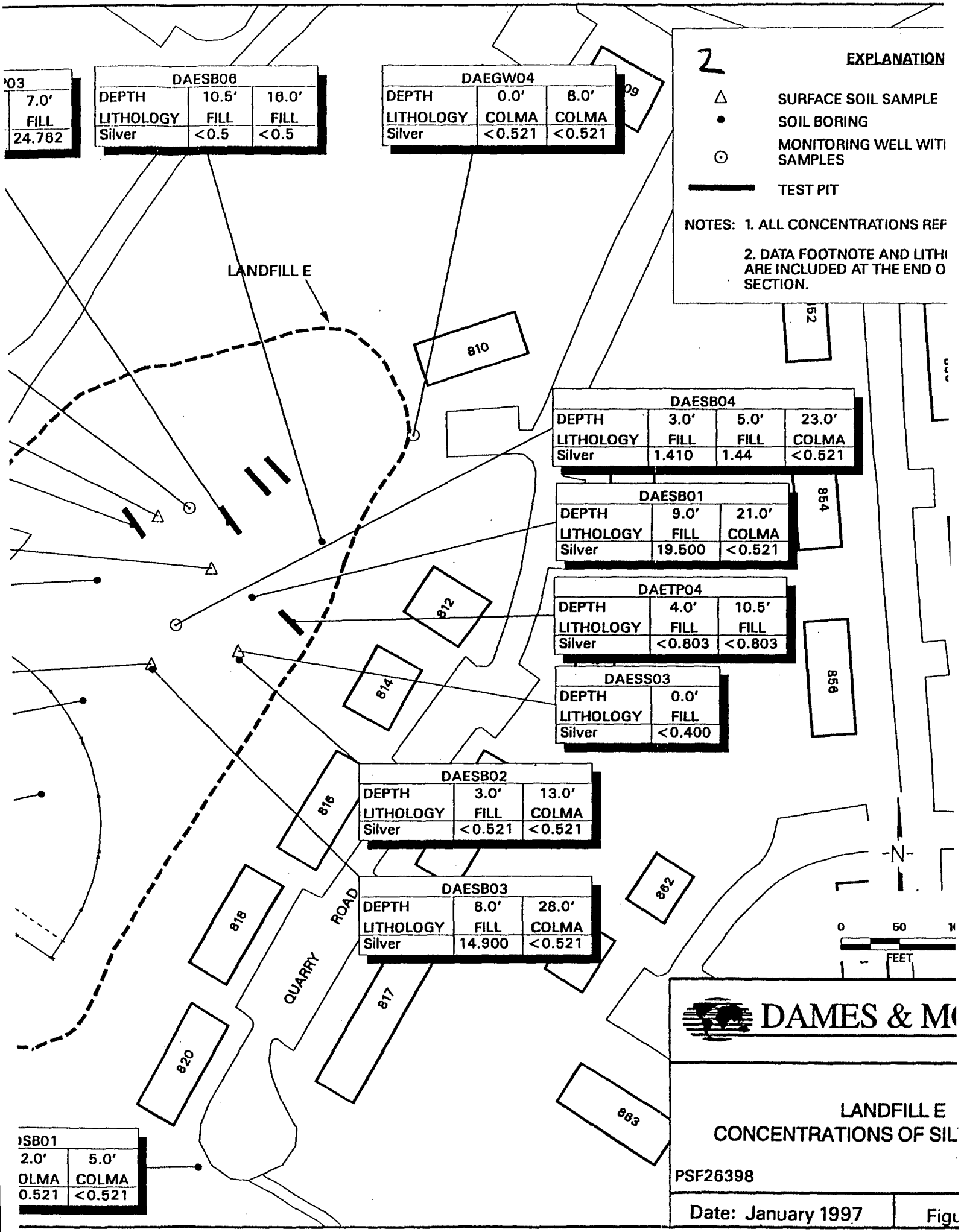
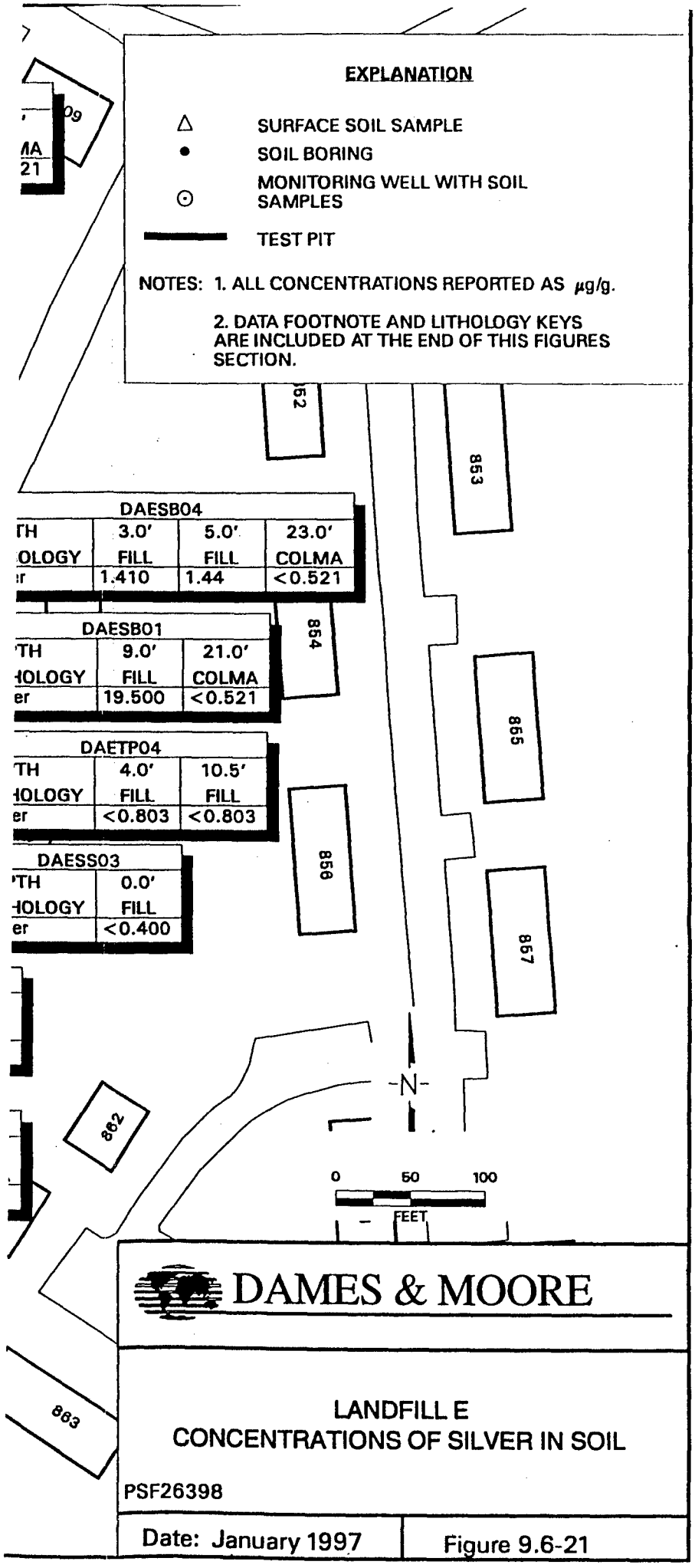

2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
LANDFILL E
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Silver <0.5 <0.5
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Silver <0.521 <0.521
DAESB04
DEPTH 3.0' 5.0' 23.0'
LITHOLOGY FILL FILL COLMA
Silver 1.410 1.44 <0.521
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Silver 19.500 <0.521
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Silver <0.803 <0.803
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Silver <0.400
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Silver <0.521 <0.521
DAESB03
DEPTH 8.0' 28.0'
LITHOLOGY FILL COLMA
Silver 14.900 <0.521
810
812
814
816
817
818
820
852
854
856
862
863
ROAD
QUARRY
N
0 50
FEET
DAMES & M
LANDFILL E
CONCENTRATIONS OF SIL
PSF26398
Date: January 1997
Figu



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF SILVER IN SOIL

PSF26398

Date: January 1997 | Figure 9.6-21

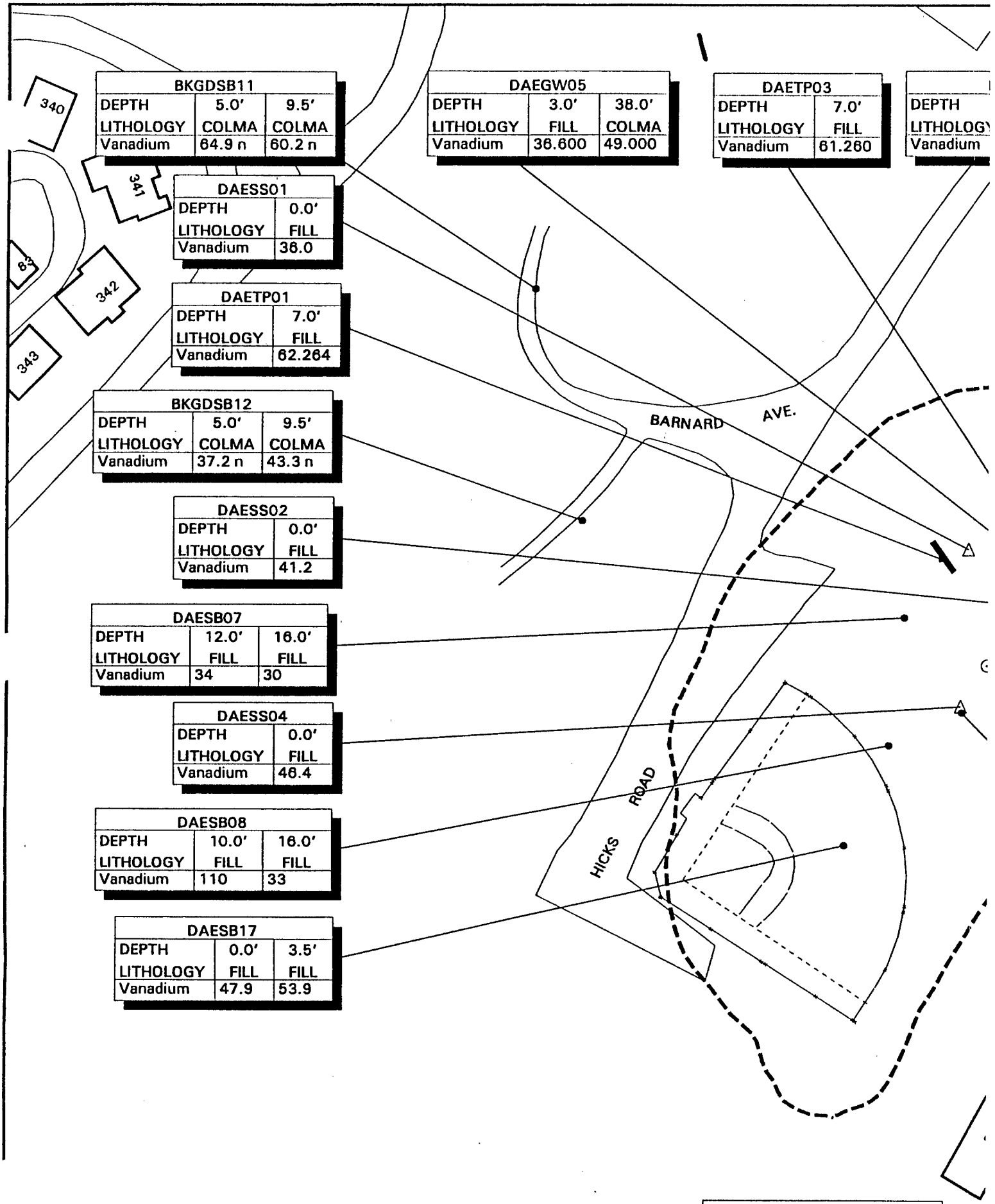
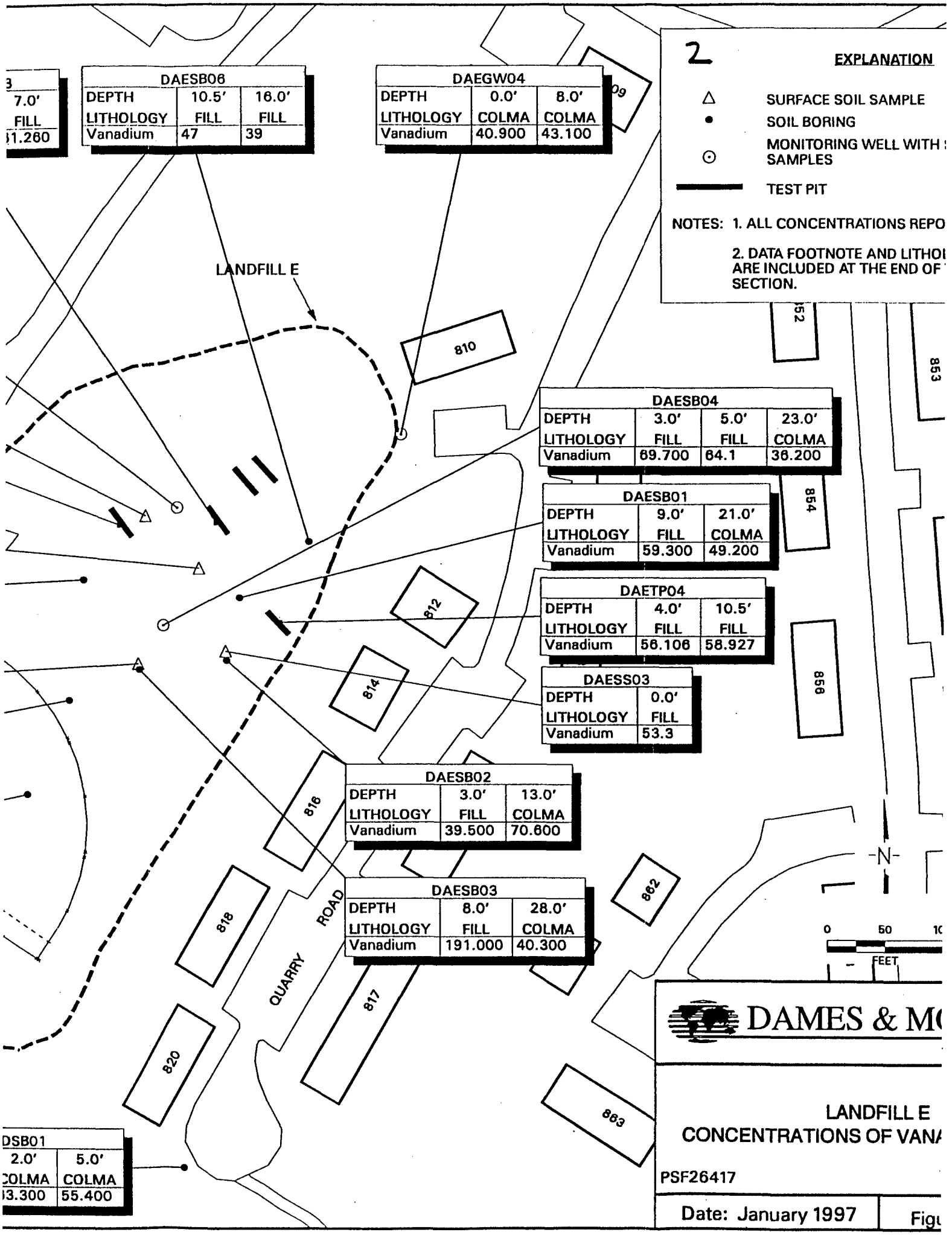


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WITH SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF SECTION.
LANDFILL E
DAESB06
DEPTH | 10.5' | 16.0'
LITHOLOGY | FILL | FILL
Vanadium | 47 | 39
DAEGW04
DEPTH | 0.0' | 8.0'
LITHOLOGY | COLMA | COLMA
Vanadium | 40.900 | 43.100
DAESB04
DEPTH | 3.0' | 5.0' | 23.0'
LITHOLOGY | FILL | FILL | COLMA
Vanadium | 69.700 | 64.1 | 36.200
DAESB01
DEPTH | 9.0' | 21.0'
LITHOLOGY | FILL | COLMA
Vanadium | 59.300 | 49.200
DAETP04
DEPTH | 4.0' | 10.5'
LITHOLOGY | FILL | FILL
Vanadium | 56.106 | 58.927
DAESS03
DEPTH | 0.0'
LITHOLOGY | FILL
Vanadium | 53.3
DAESB02
DEPTH | 3.0' | 13.0'
LITHOLOGY | FILL | COLMA
Vanadium | 39.500 | 70.600
DAESB03
DEPTH | 8.0' | 28.0'
LITHOLOGY | FILL | COLMA
Vanadium | 191.000 | 40.300
DSB01
2.0' | 5.0'
COLMA | COLMA
3.300 | 55.400
810
812
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818
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ROAD
QUARRY
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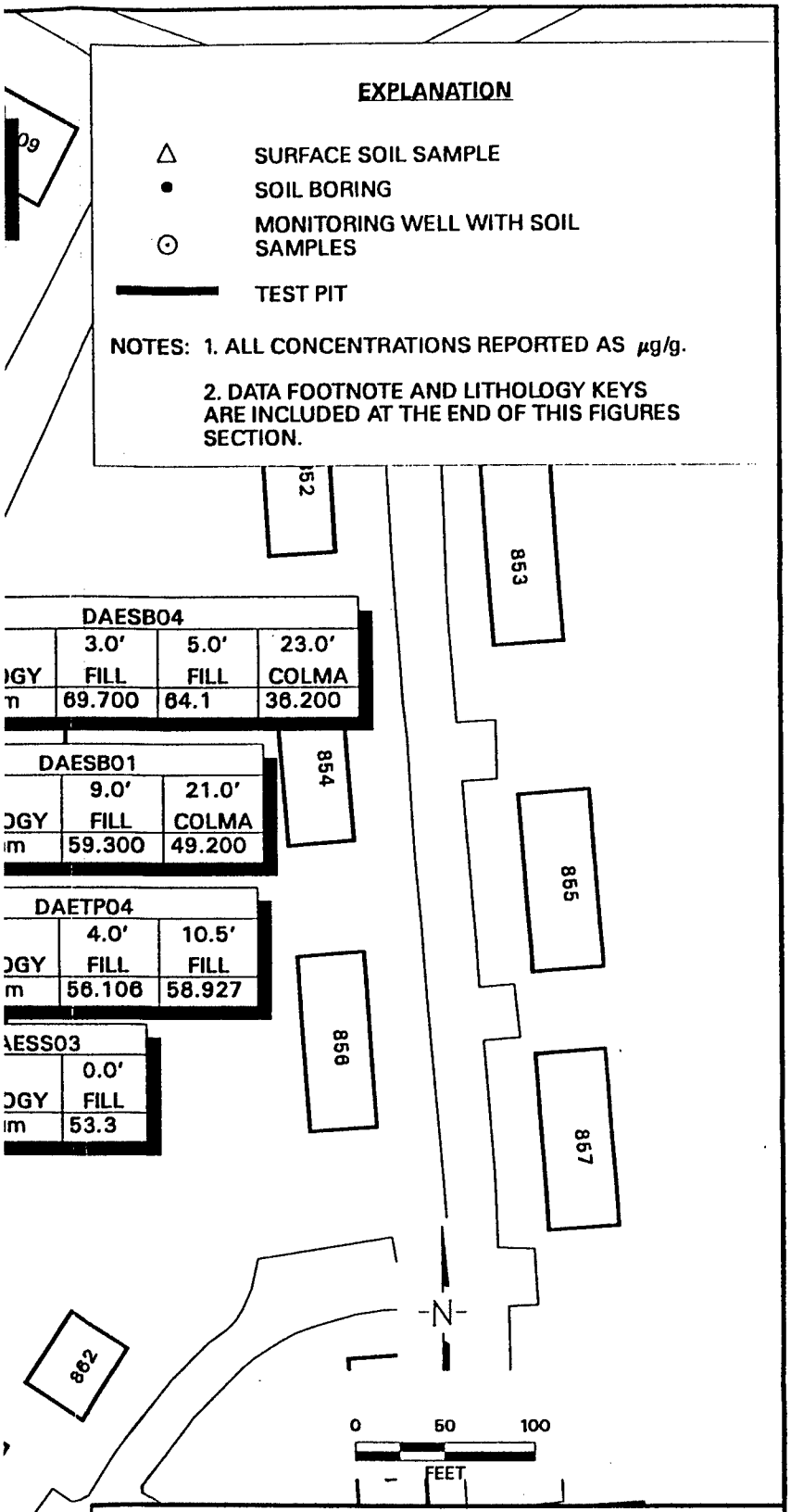
50
FEET
DAMES & M
LANDFILL E
CONCENTRATIONS OF VANA
PSF26417
Date: January 1997
Figu

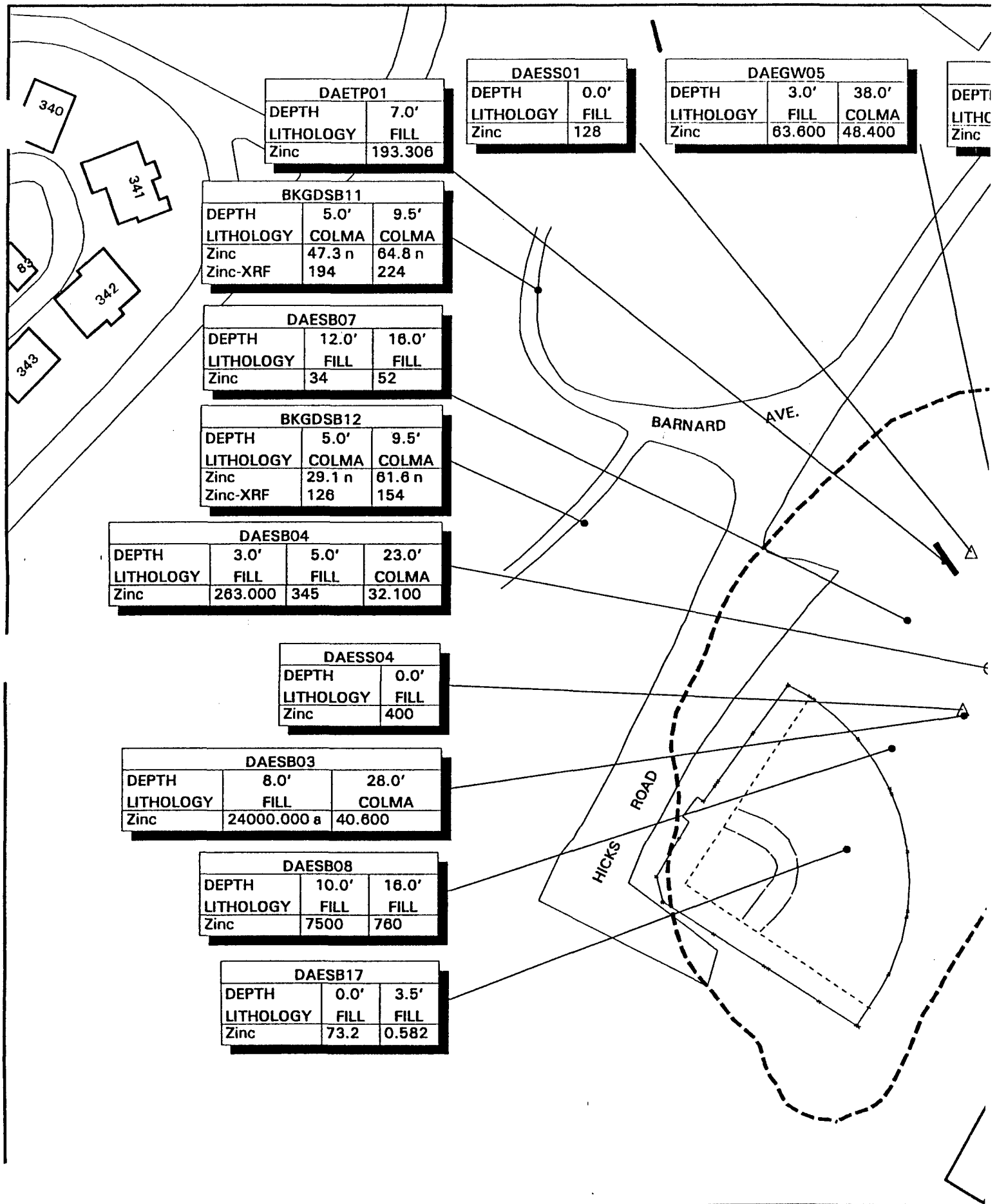


DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF VANADIUM IN SOIL

PSF26417

Date: January 1997 | Figure 9.6-22



DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Zinc	193.306

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Zinc	128

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Zinc	63.600	48.400

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Zinc	47.3 n	64.8 n
Zinc-XRF	194	224

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Zinc	34	52

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Zinc	29.1 n	61.6 n
Zinc-XRF	126	154

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Zinc	263.000	345	32.100

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Zinc	400

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Zinc	24000.000 a	40.600

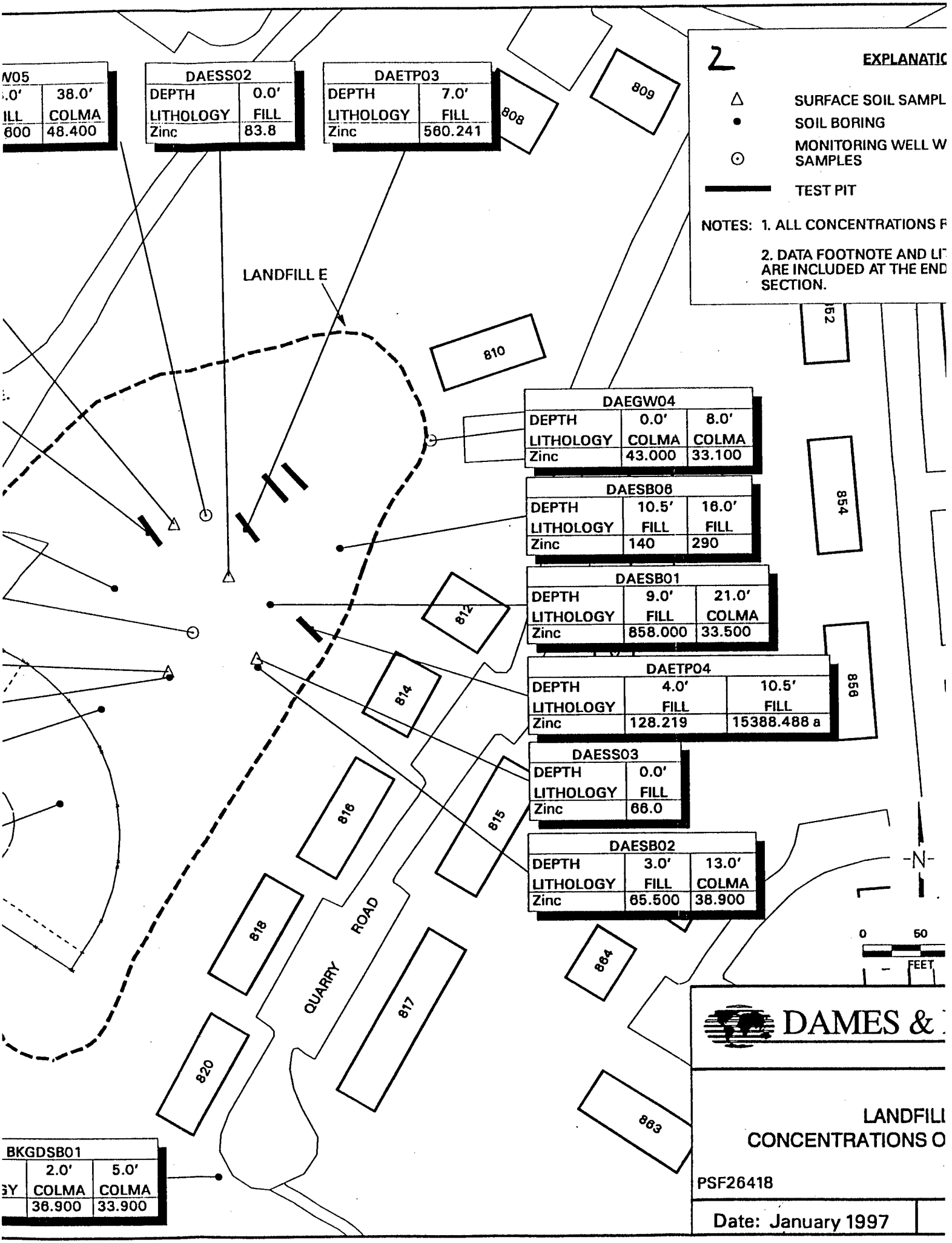
DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Zinc	7500	760

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Zinc	73.2	0.582

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Zinc	36.900	33.900

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 17:00:11 Monday, r- ·x17_v3.aml, plotfile base_LFE_S_21.grn, PSF


2
EXPLANATIC
SURFACE SOIL SAMPL
SOIL BORING
MONITORING WELL W
SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS F
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.
LANDFILL E
W05
.0' 38.0'
ILL COLMA
600 48.400
DAESS02
DEPTH 0.0'
LITHOLOGY FILL
Zinc 83.8
DAETP03
DEPTH 7.0'
LITHOLOGY FILL
Zinc 560.241
DAEGW04
DEPTH 0.0' 8.0'
LITHOLOGY COLMA COLMA
Zinc 43.000 33.100
DAESB06
DEPTH 10.5' 16.0'
LITHOLOGY FILL FILL
Zinc 140 290
DAESB01
DEPTH 9.0' 21.0'
LITHOLOGY FILL COLMA
Zinc 858.000 33.500
DAETP04
DEPTH 4.0' 10.5'
LITHOLOGY FILL FILL
Zinc 128.219 15388.488 a
DAESS03
DEPTH 0.0'
LITHOLOGY FILL
Zinc 66.0
DAESB02
DEPTH 3.0' 13.0'
LITHOLOGY FILL COLMA
Zinc 65.500 38.900
BKGDSB01
2.0' 5.0'
GY COLMA COLMA
36.900 33.900
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QUARRY ROAD
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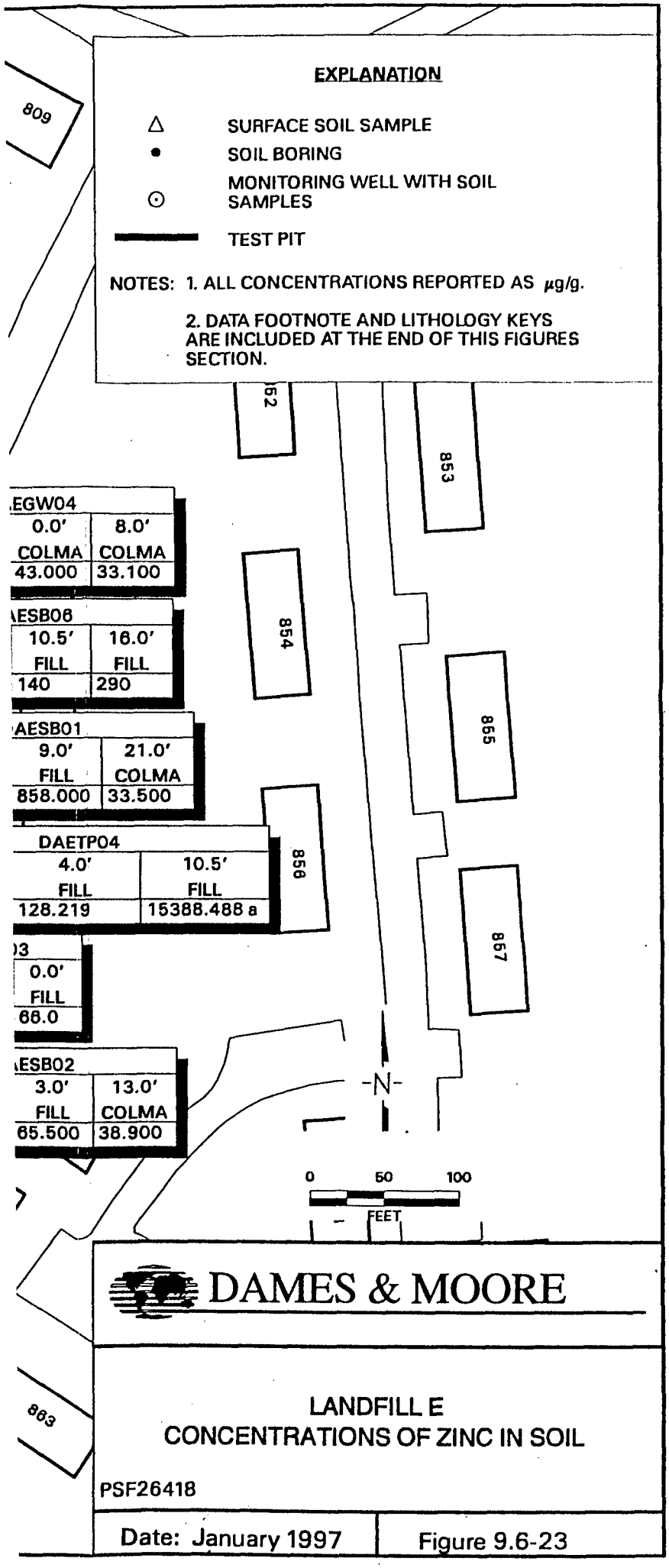
FEET
DAMES &
LANDFILL
CONCENTRATIONS O
PSF26418
Date: January 1997



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ZINC IN SOIL

PSF26418

Date: January 1997 | Figure 9.6-23

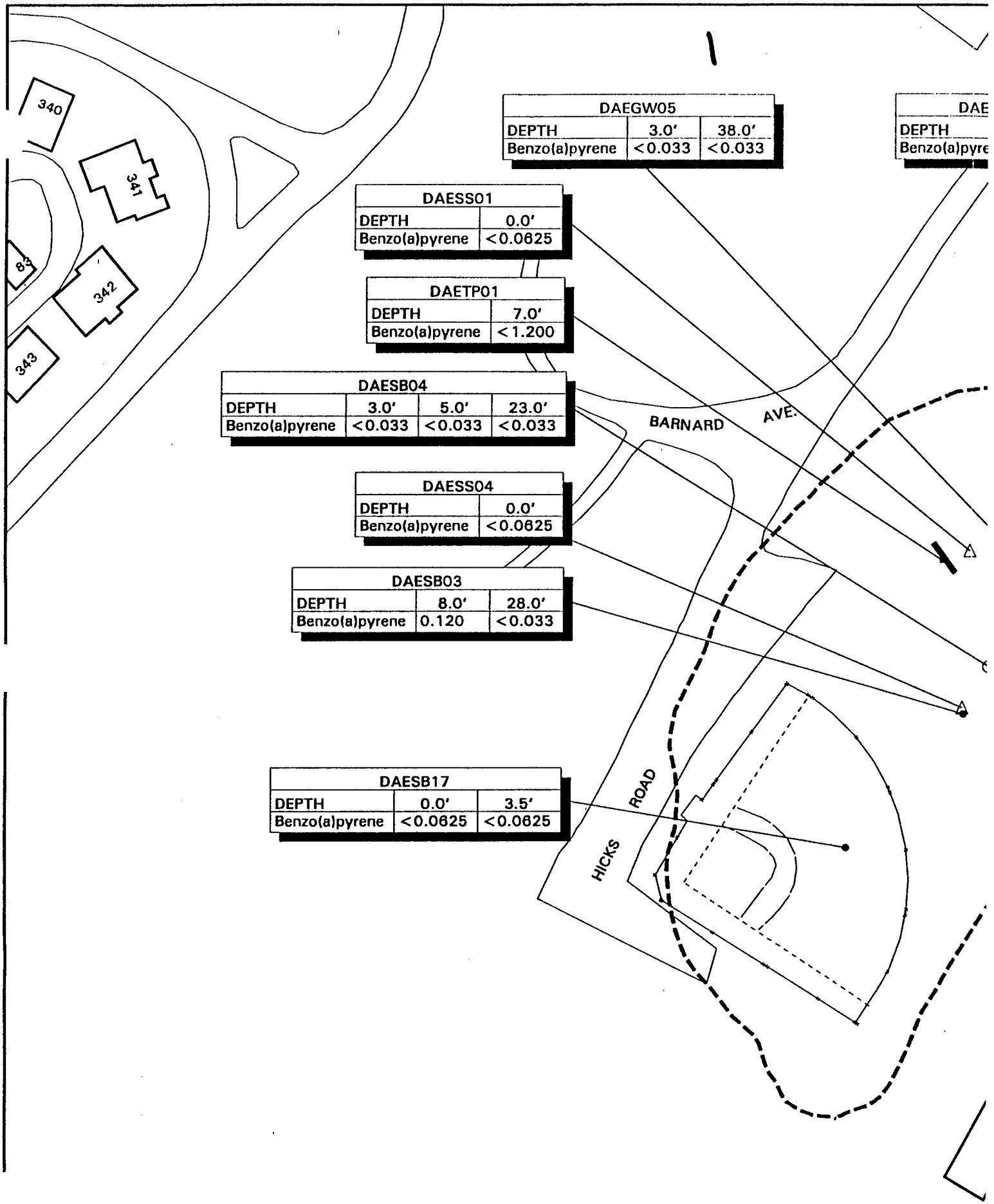
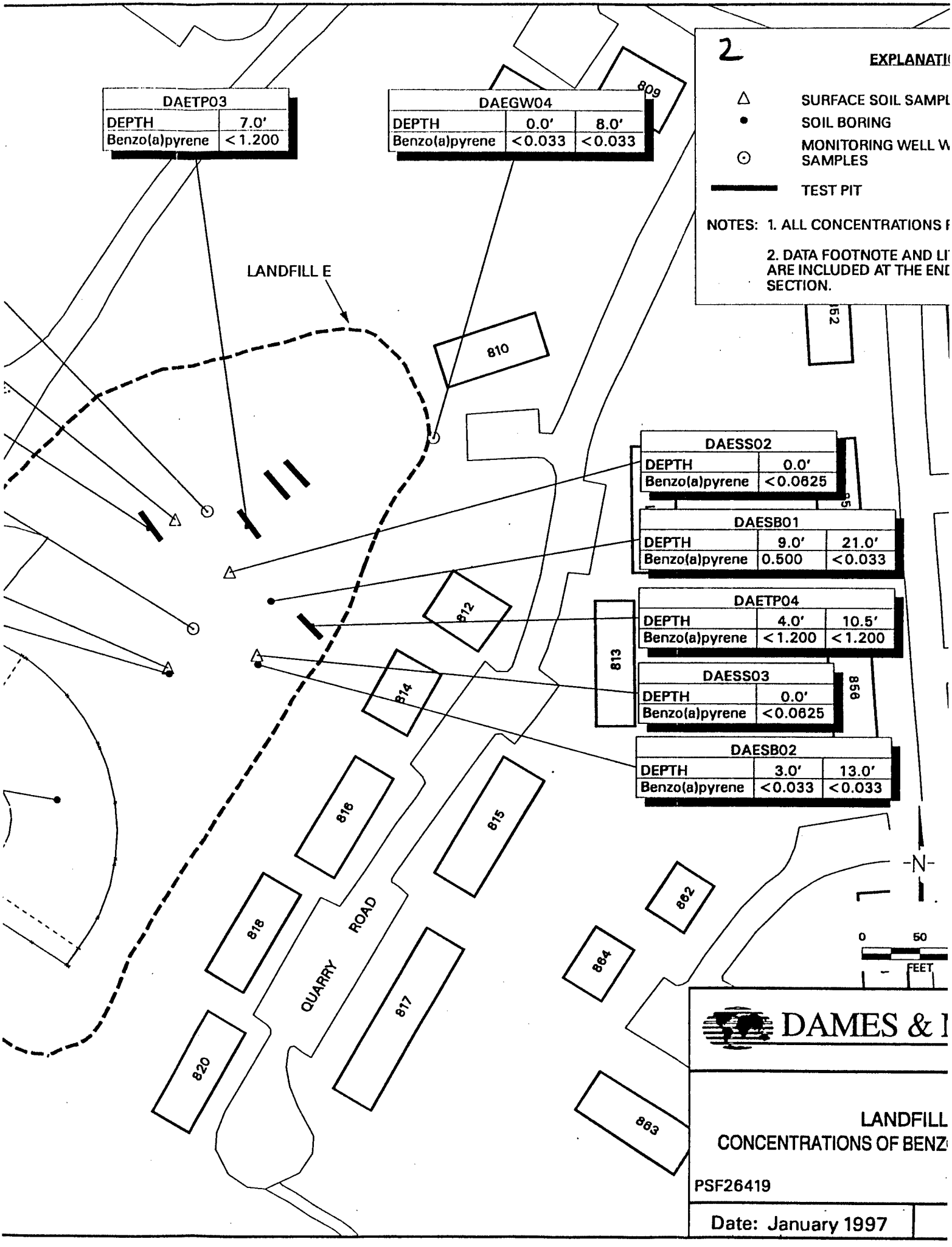


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 17:02:59 Mmab 11x17_v3.aml, plotfile base_LFE_S_34.grn. PSF


2
EXPLANATI
SURFACE SOIL SAMPL
SOIL BORING
MONITORING WELL W SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS F
2. DATA FOOTNOTE AND LI ARE INCLUDED AT THE END SECTION.
DAETP03
DEPTH 7.0'
Benzo(a)pyrene <1.200
DAEGW04
DEPTH 0.0' 8.0'
Benzo(a)pyrene <0.033 <0.033
LANDFILL E
DAESS02
DEPTH 0.0'
Benzo(a)pyrene <0.0625
DAESB01
DEPTH 9.0' 21.0'
Benzo(a)pyrene 0.500 <0.033
DAETP04
DEPTH 4.0' 10.5'
Benzo(a)pyrene <1.200 <1.200
DAESS03
DEPTH 0.0'
Benzo(a)pyrene <0.0625
DAESB02
DEPTH 3.0' 13.0'
Benzo(a)pyrene <0.033 <0.033
809
810
812
813
814
815
816
817
818
820
862
863
864
858
852
QUARRY ROAD
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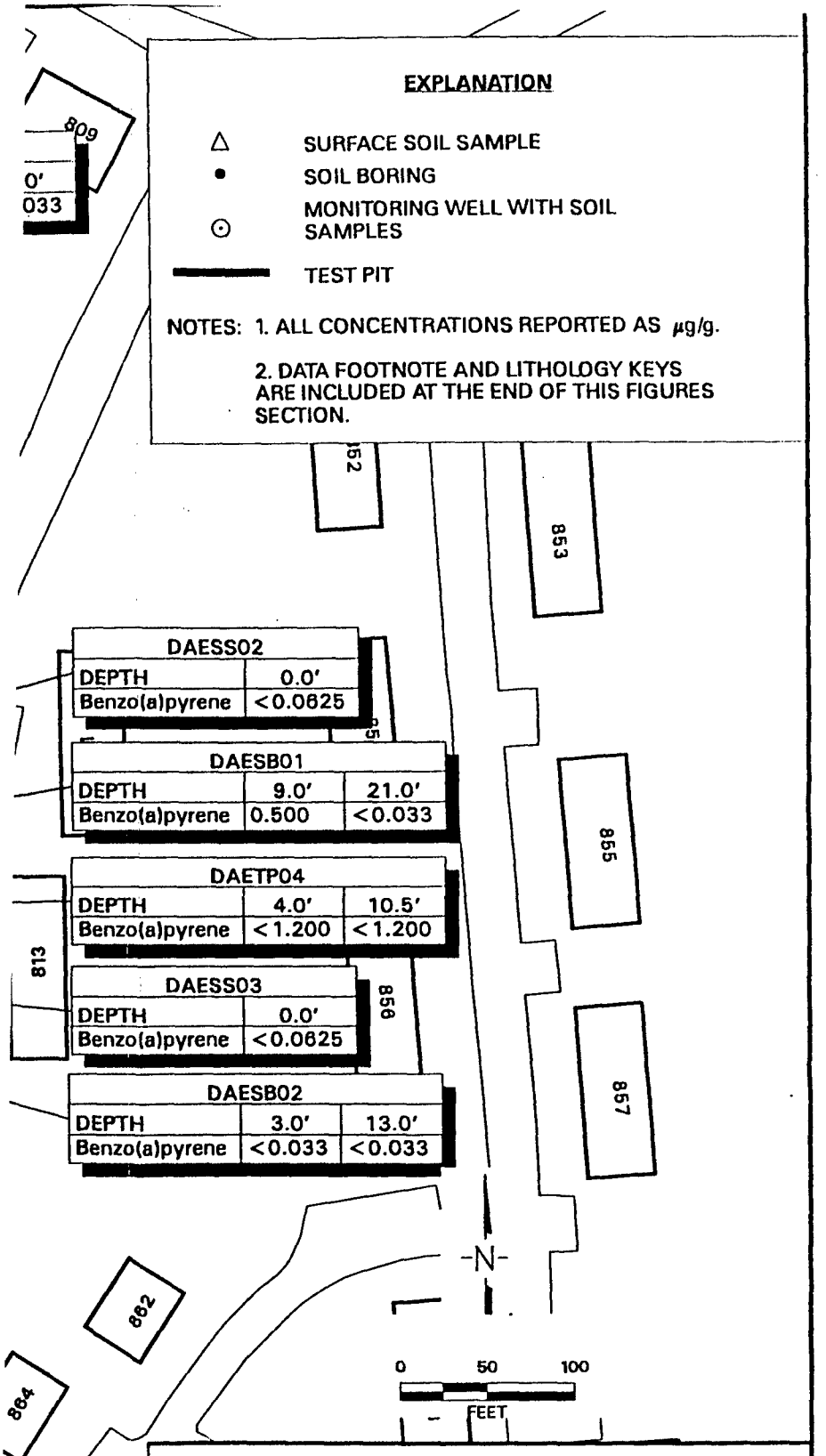
FEET
DAMES &
LANDFILL
CONCENTRATIONS OF BENZ
PSF26419
Date: January 1997



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF BENZO(A)PYRENE IN SOIL

PSF26419

Date: January 1997 | Figure 9.6-24

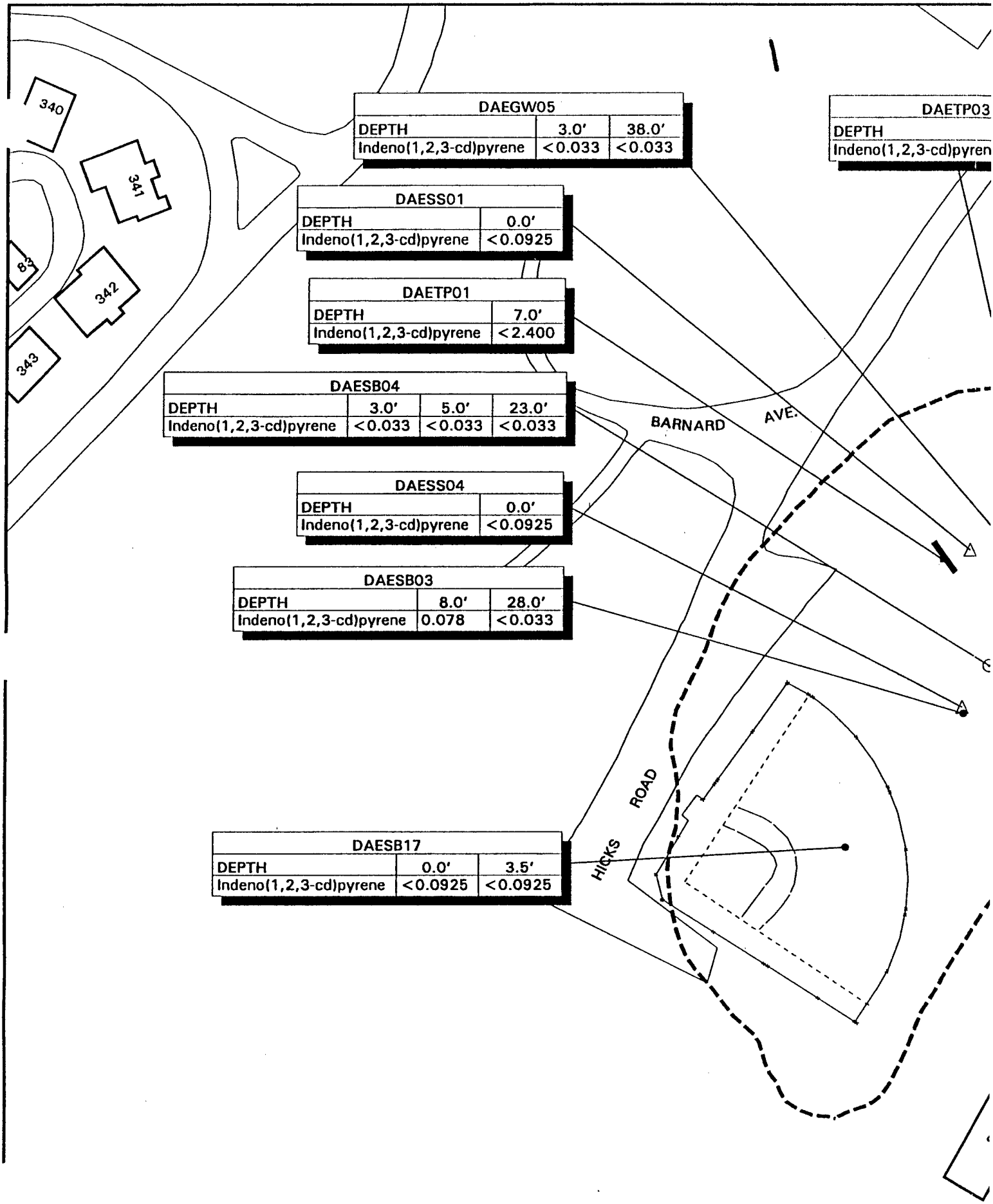
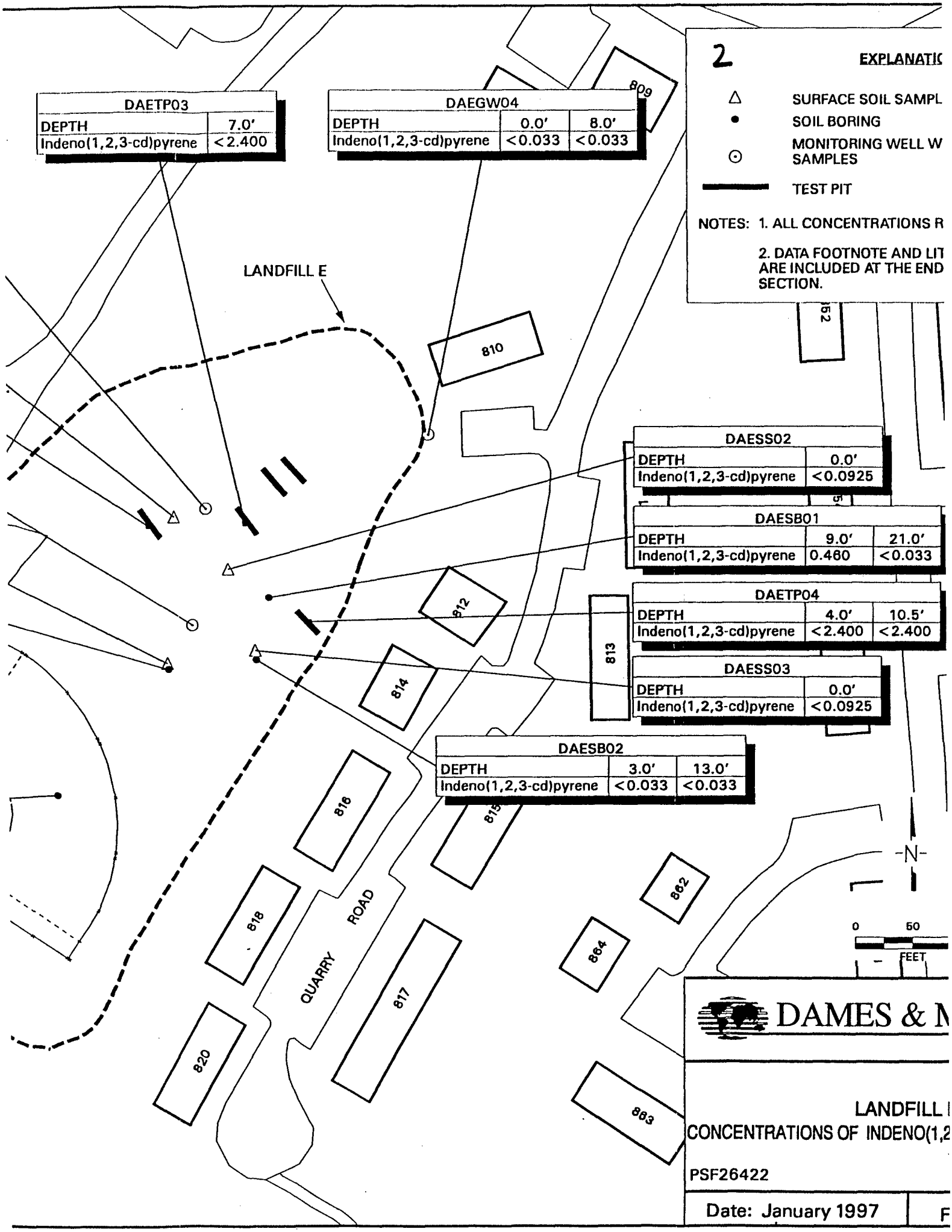


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATIC
SURFACE SOIL SAMPL
SOIL BORING
MONITORING WELL W SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS R
2. DATA FOOTNOTE AND LIT ARE INCLUDED AT THE END SECTION.
DAETP03
DEPTH 7.0'
Indeno(1,2,3-cd)pyrene <2.400
DAEGW04
DEPTH 0.0' 8.0'
Indeno(1,2,3-cd)pyrene <0.033 <0.033
LANDFILL E
DAESS02
DEPTH 0.0'
Indeno(1,2,3-cd)pyrene <0.0925
DAESB01
DEPTH 9.0' 21.0'
Indeno(1,2,3-cd)pyrene 0.460 <0.033
DAETP04
DEPTH 4.0' 10.5'
Indeno(1,2,3-cd)pyrene <2.400 <2.400
DAESS03
DEPTH 0.0'
Indeno(1,2,3-cd)pyrene <0.0925
DAESB02
DEPTH 3.0' 13.0'
Indeno(1,2,3-cd)pyrene <0.033 <0.033
809
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815
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817
818
820
862
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864
QUARRY ROAD
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0 50
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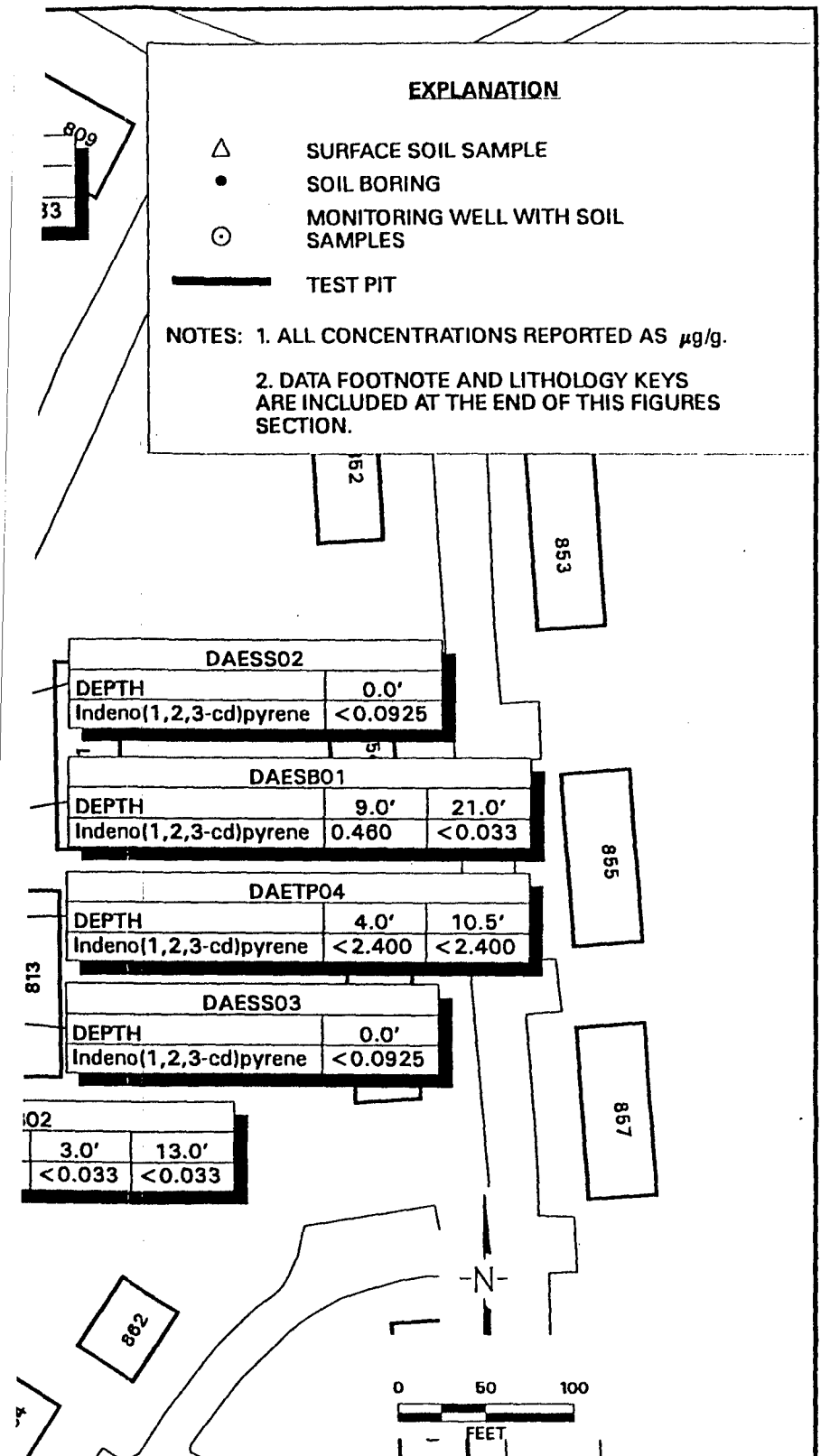
DAMES & M
LANDFILL
CONCENTRATIONS OF INDENO(1,2
PSF26422
Date: January 1997

3



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF INDENO(1,2,3-CD)PYRENE IN SOIL

PSF26422

Date: January 1997 | Figure 9.6-25

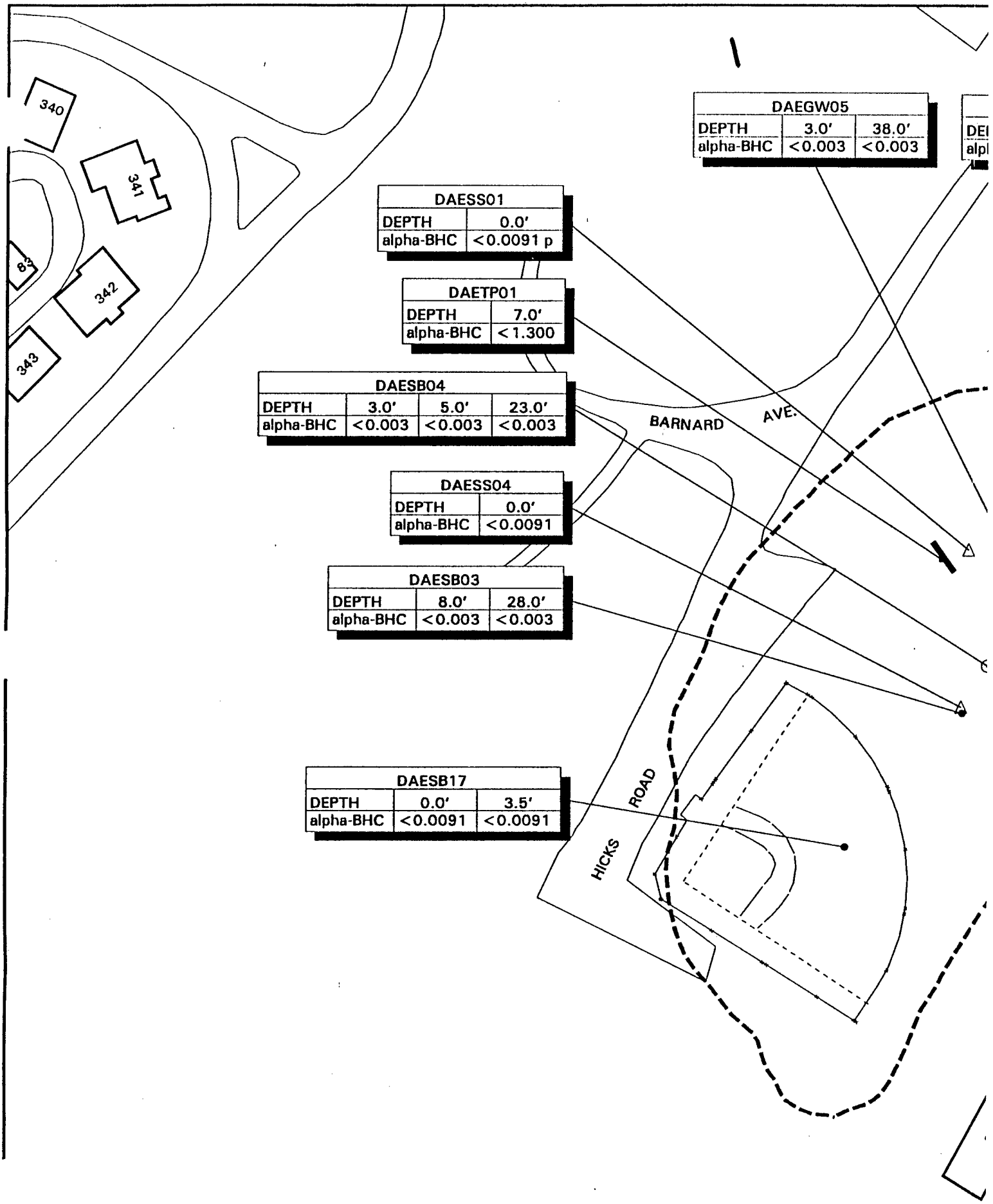
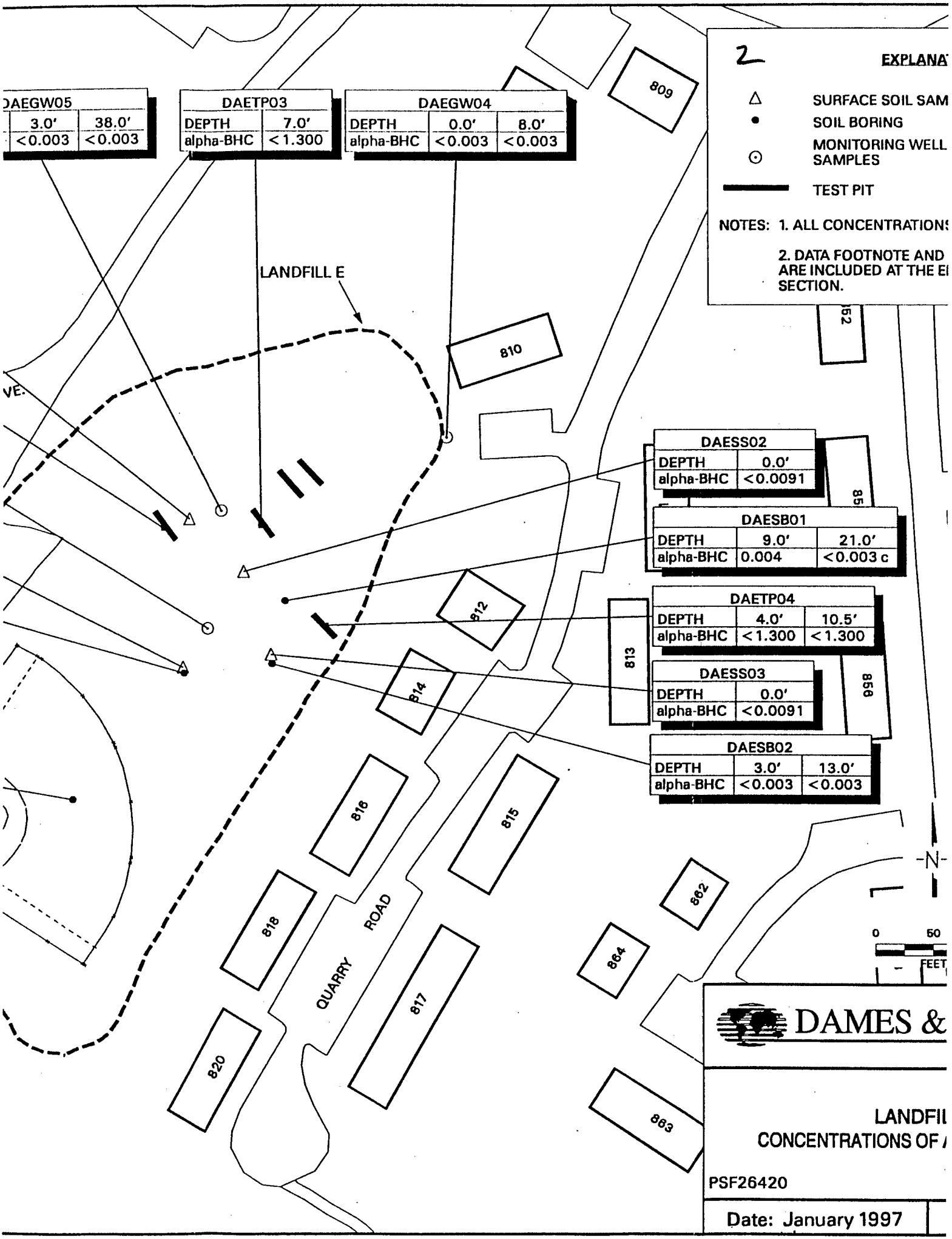


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

16-Sep-96 17:01:38 Monday, pr ''x17_v3.aml, plotfile base_LFE_S_32.gra, PSF


2
EXPLANA
SURFACE SOIL SAM
SOIL BORING
MONITORING WELL SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND ARE INCLUDED AT THE E SECTION.
DAEGW05
3.0' 38.0'
<0.003 <0.003
DAETP03
DEPTH 7.0'
alpha-BHC <1.300
DAEGW04
DEPTH 0.0' 8.0'
alpha-BHC <0.003 <0.003
DAESS02
DEPTH 0.0'
alpha-BHC <0.0091
DAESB01
DEPTH 9.0' 21.0'
alpha-BHC 0.004 <0.003 c
DAETP04
DEPTH 4.0' 10.5'
alpha-BHC <1.300 <1.300
DAESS03
DEPTH 0.0'
alpha-BHC <0.0091
DAESB02
DEPTH 3.0' 13.0'
alpha-BHC <0.003 <0.003
LANDFILL E
809
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864
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QUARRY ROAD
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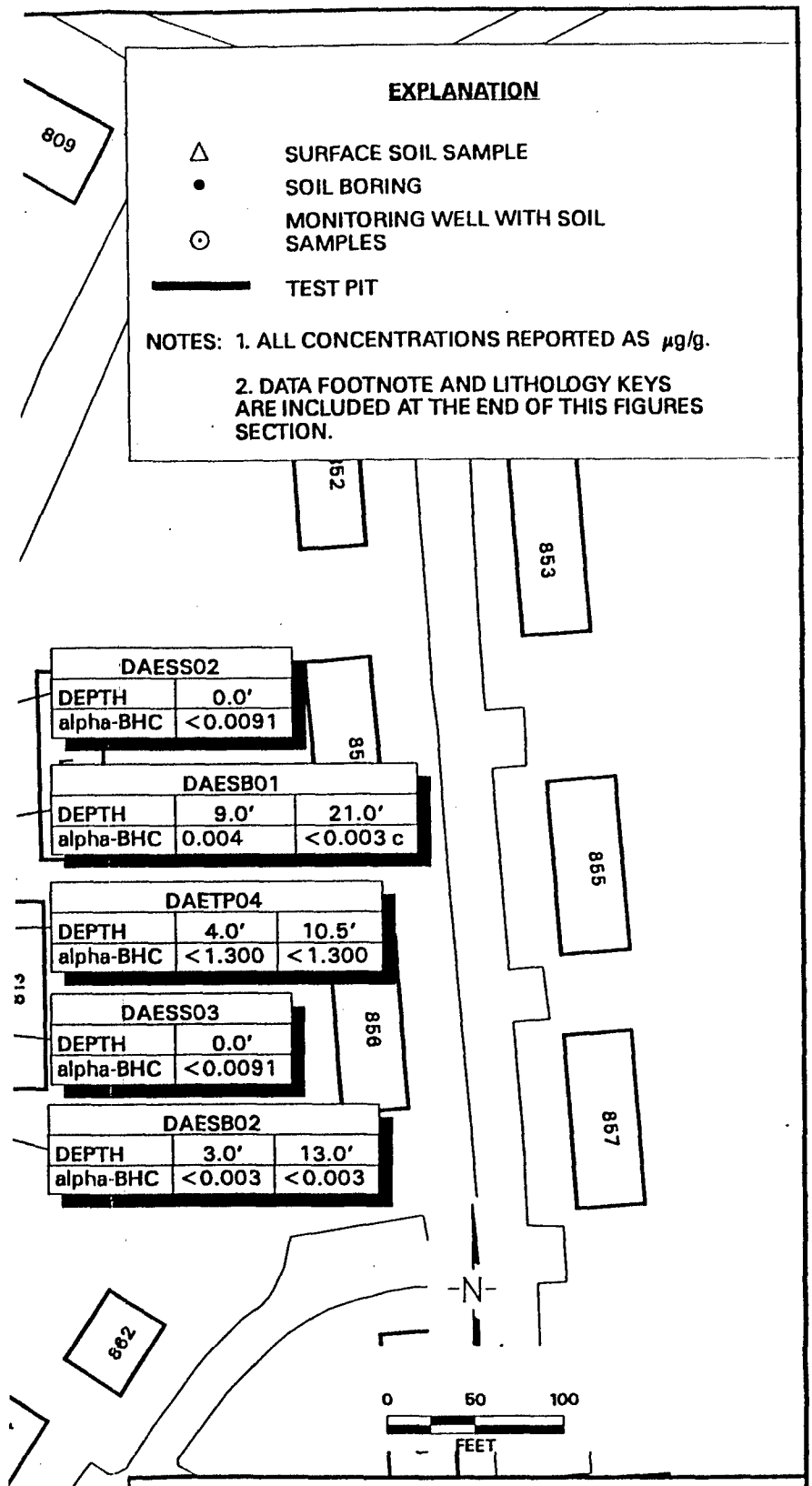
LANDFI
CONCENTRATIONS OF
PSF26420
Date: January 1997



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ALPHA-BHC IN SOIL

PSF26420

Date: January 1997 | Figure 9.6-26

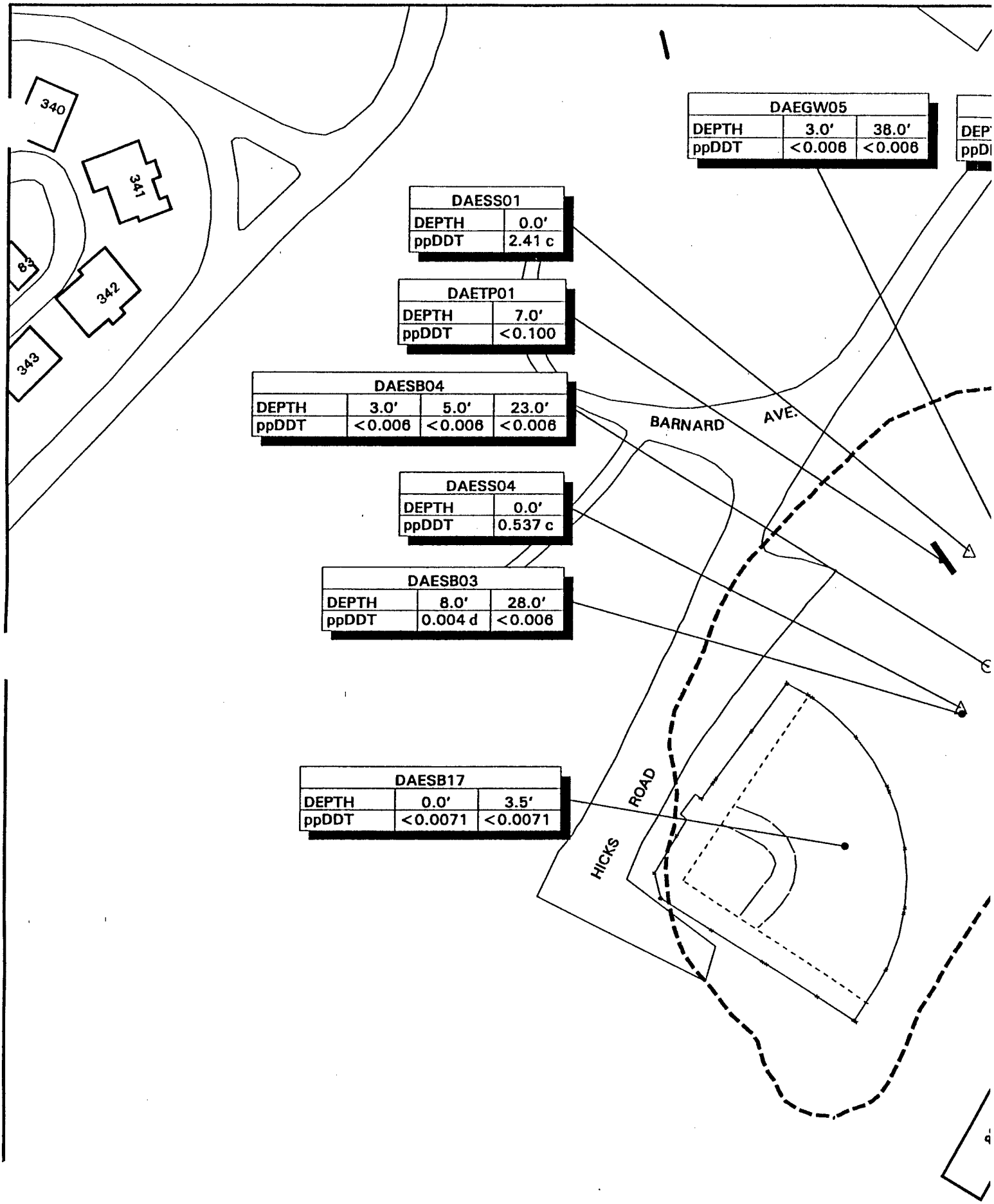
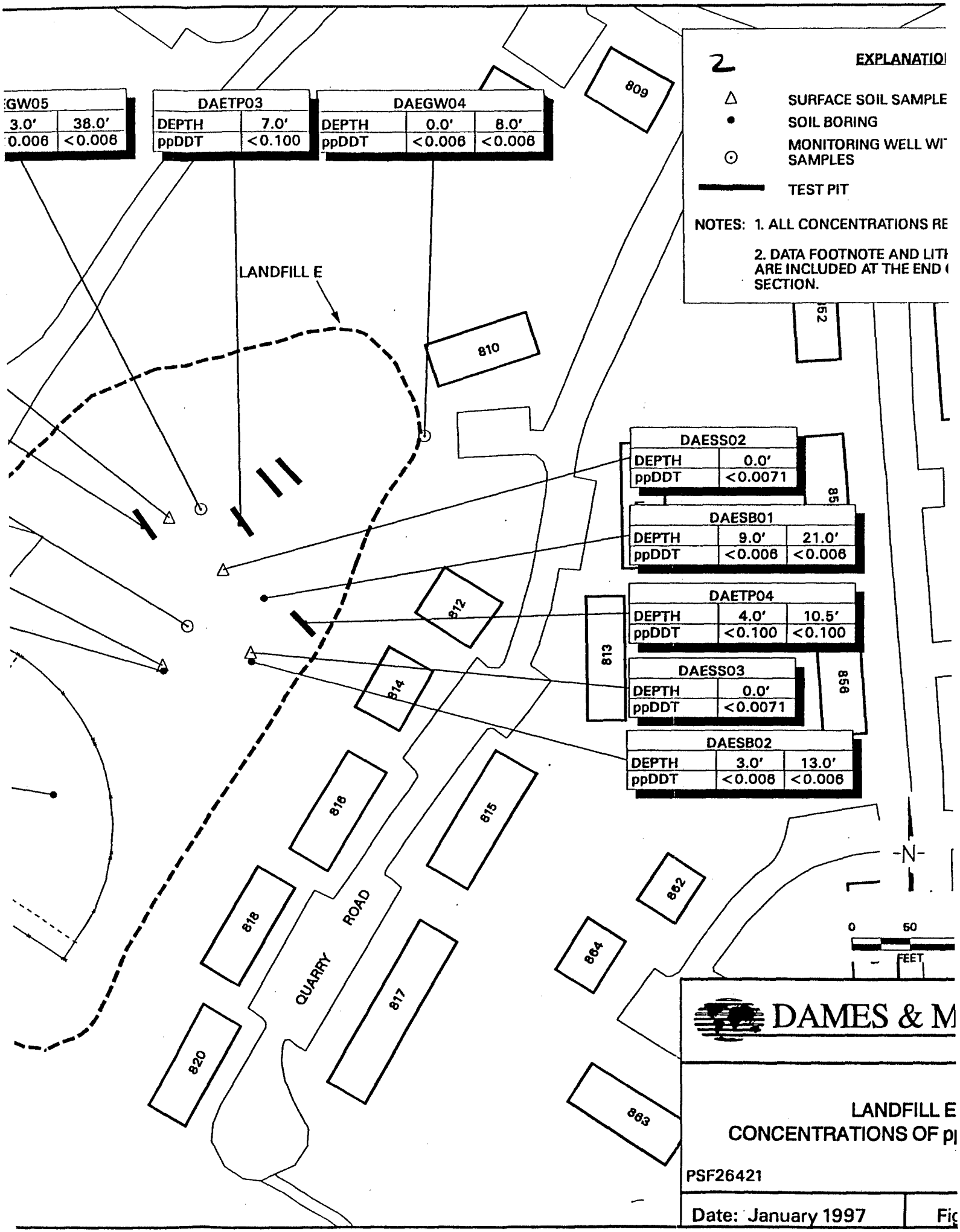


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


GW05
3.0' 38.0'
0.006 <0.006
DAETP03
DEPTH 7.0'
ppDDT <0.100
DAEGW04
DEPTH 0.0' 8.0'
ppDDT <0.006 <0.006
LANDFILL E
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818
820
852
858
862
863
864
DAESS02
DEPTH 0.0'
ppDDT <0.0071
DAESB01
DEPTH 9.0' 21.0'
ppDDT <0.006 <0.006
DAETP04
DEPTH 4.0' 10.5'
ppDDT <0.100 <0.100
DAESS03
DEPTH 0.0'
ppDDT <0.0071
DAESB02
DEPTH 3.0' 13.0'
ppDDT <0.006 <0.006
QUARRY ROAD
2
EXPLANATIO
SURFACE SOIL SAMPLE
SOIL BORING
MONITORING WELL WI
SAMPLES
TEST PIT
NOTES: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END
SECTION.
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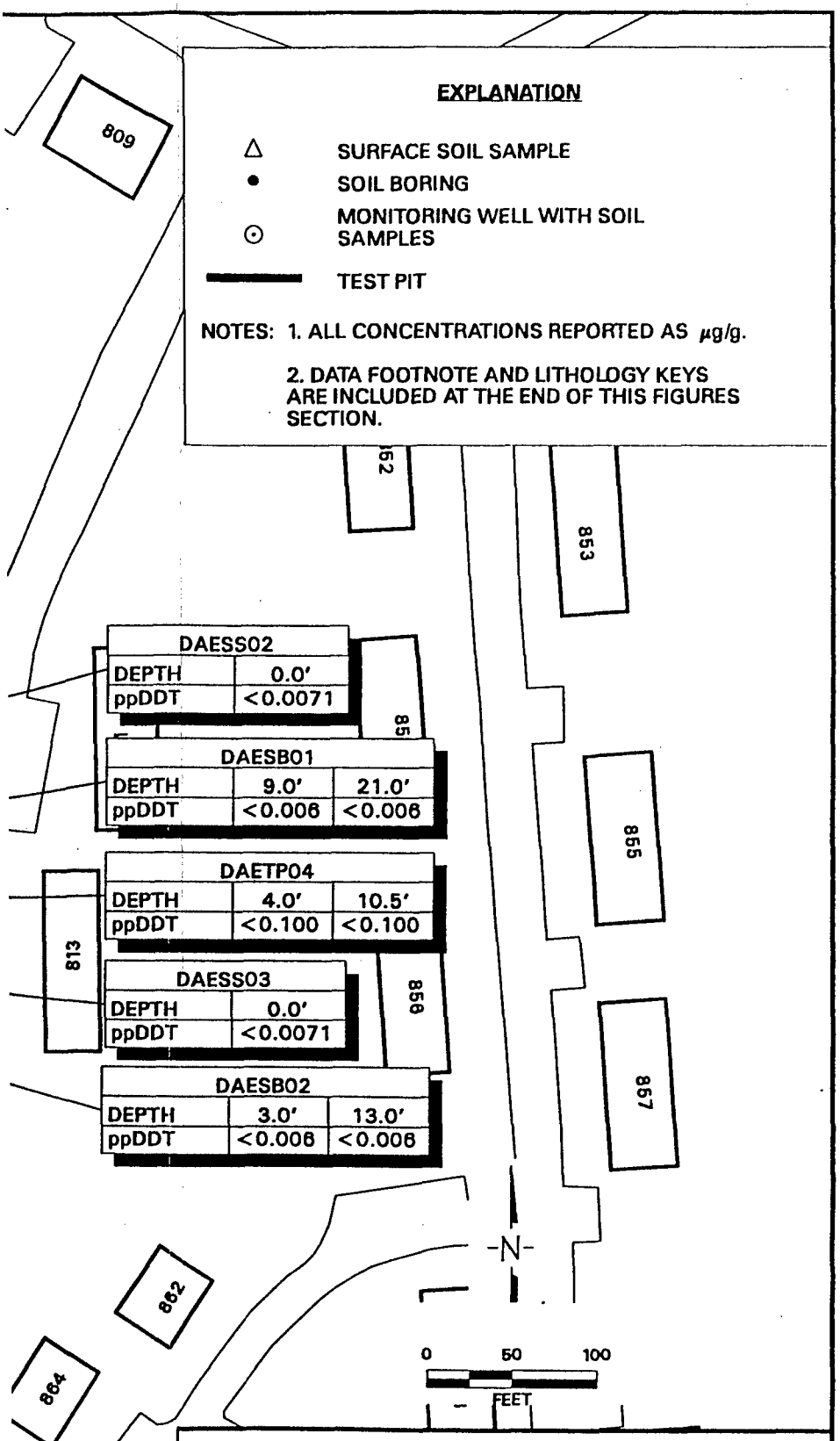
DAMES & M
LANDFILL E
CONCENTRATIONS OF p
PSF26421
Date: January 1997
Fig

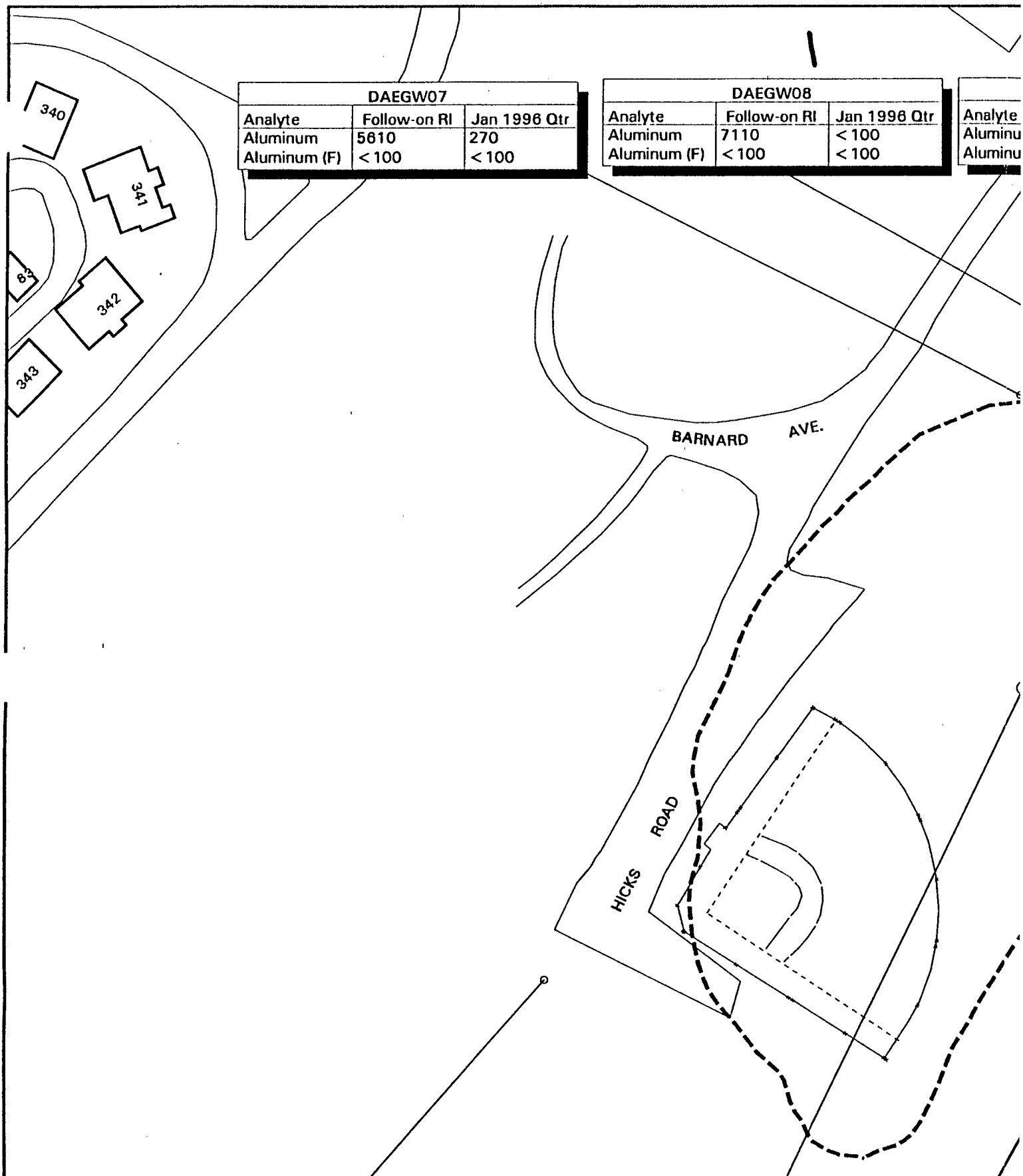


DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ppDDT IN SOIL

PSF26421

Date: January 1997 | Figure 9.6-27



DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Aluminum	5610	270
Aluminum (F)	< 100	< 100

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Aluminum	7110	< 100
Aluminum (F)	< 100	< 100

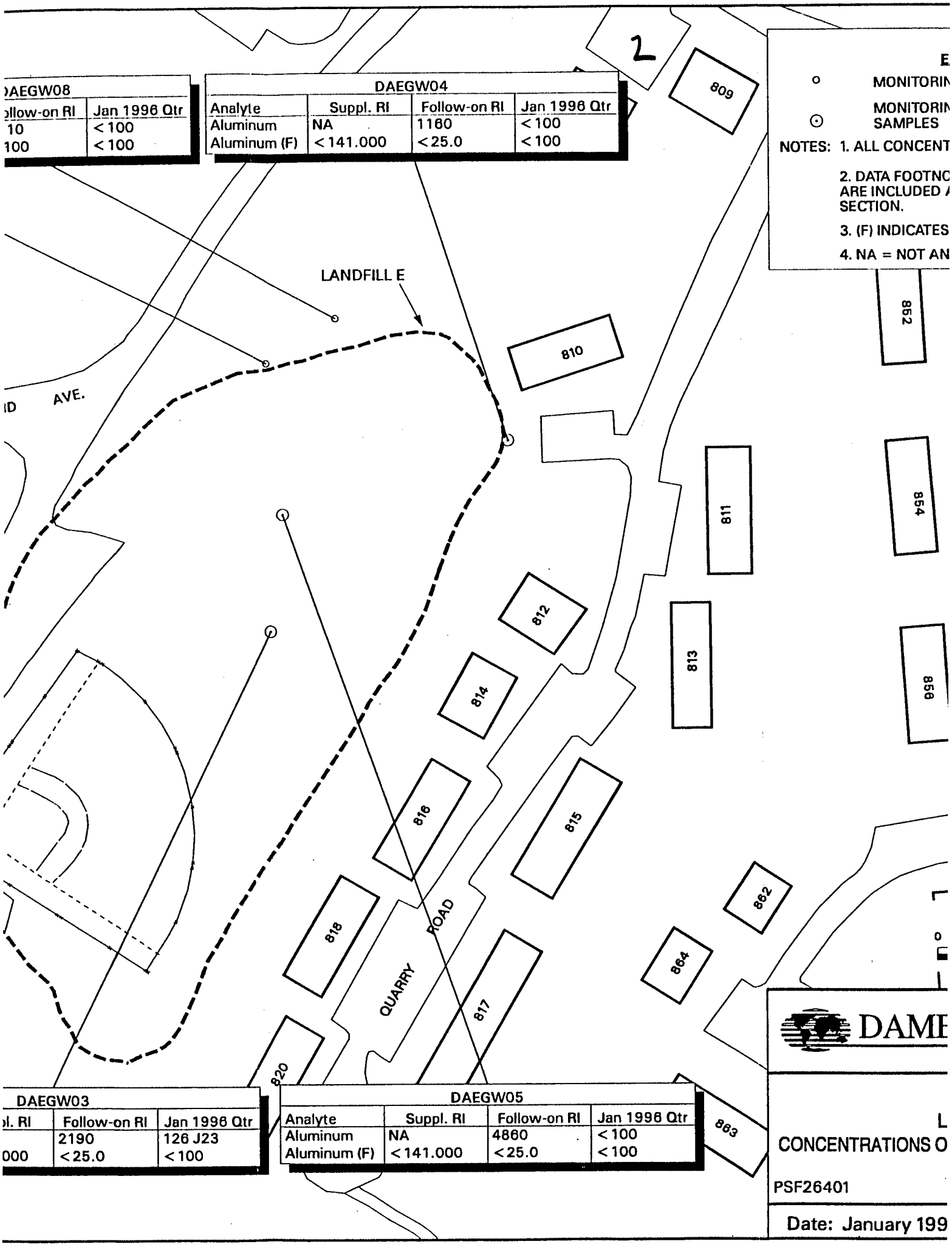
Analyte
Aluminu
Aluminu

DAEGW06		
Analyte	Follow-on RI	Jan 1996 Qtr
Aluminum	313	149
Aluminum (F)	< 100	< 100

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Aluminum	NA	2190	126 J23
Aluminum (F)	< 141.000	< 25.0	< 100

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17 Sep 96 09:05:01 Tuesday, [illegible]


DAEGW08
ollow-on RI | Jan 1996 Qtr
10 | < 100
100 | < 100
DAEGW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | NA | 1160 | < 100
Aluminum (F) | < 141.000 | < 25.0 | < 100
E
MONITORIN
MONITORIN
SAMPLES
NOTES: 1. ALL CONCENT
2. DATA FOOTNC
ARE INCLUDED
SECTION.
3. (F) INDICATES
4. NA = NOT AN
LANDFILL E
ID AVE.
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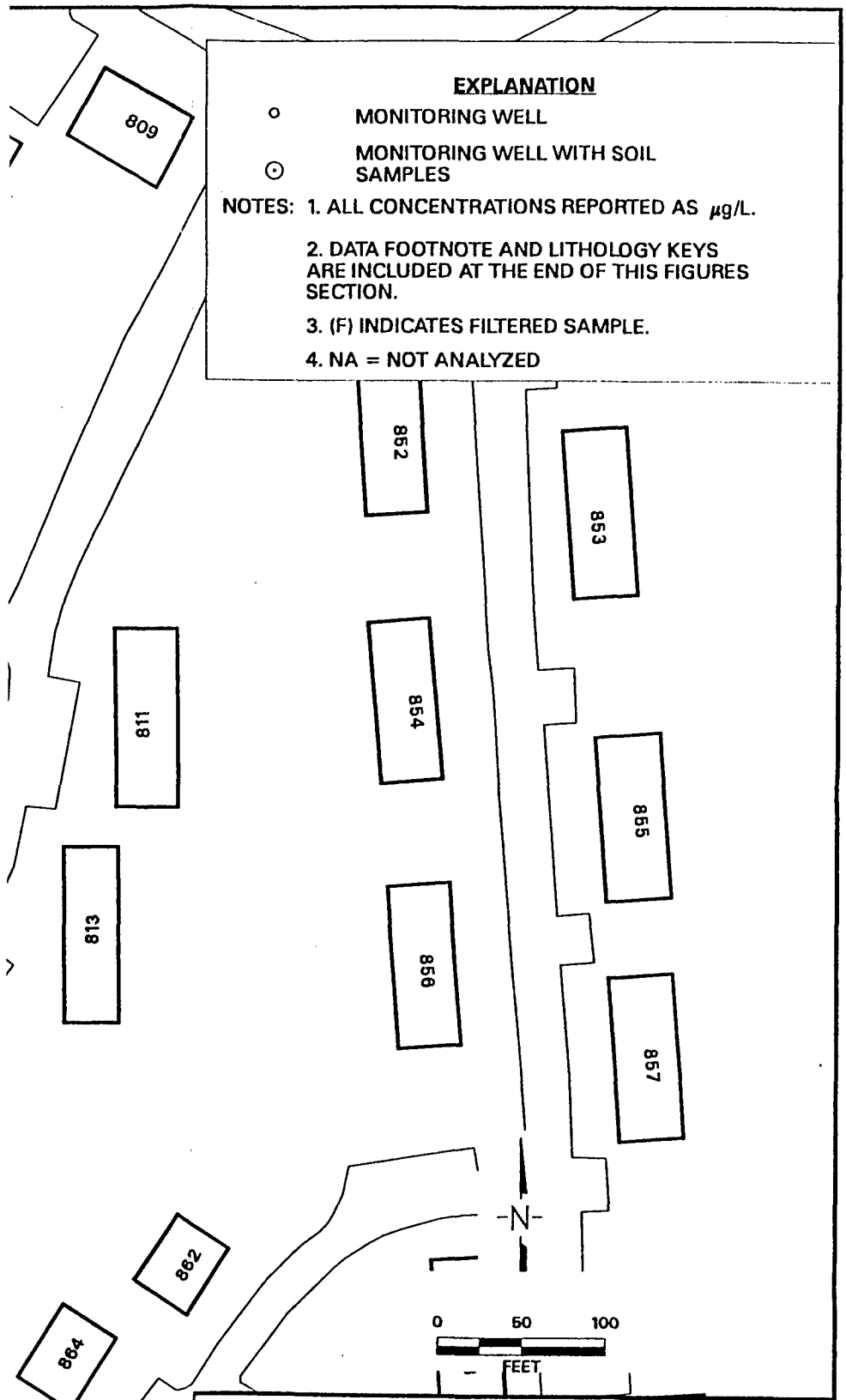
862
863
864
QUARRY ROAD
DAEGW03
l. RI | Follow-on RI | Jan 1996 Qtr
2190 | 126 J23
000 | < 25.0 | < 100
DAEGW05
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | NA | 4860 | < 100
Aluminum (F) | < 141.000 | < 25.0 | < 100
DAME
L
CONCENTRATIONS O
PSF26401
Date: January 199

3



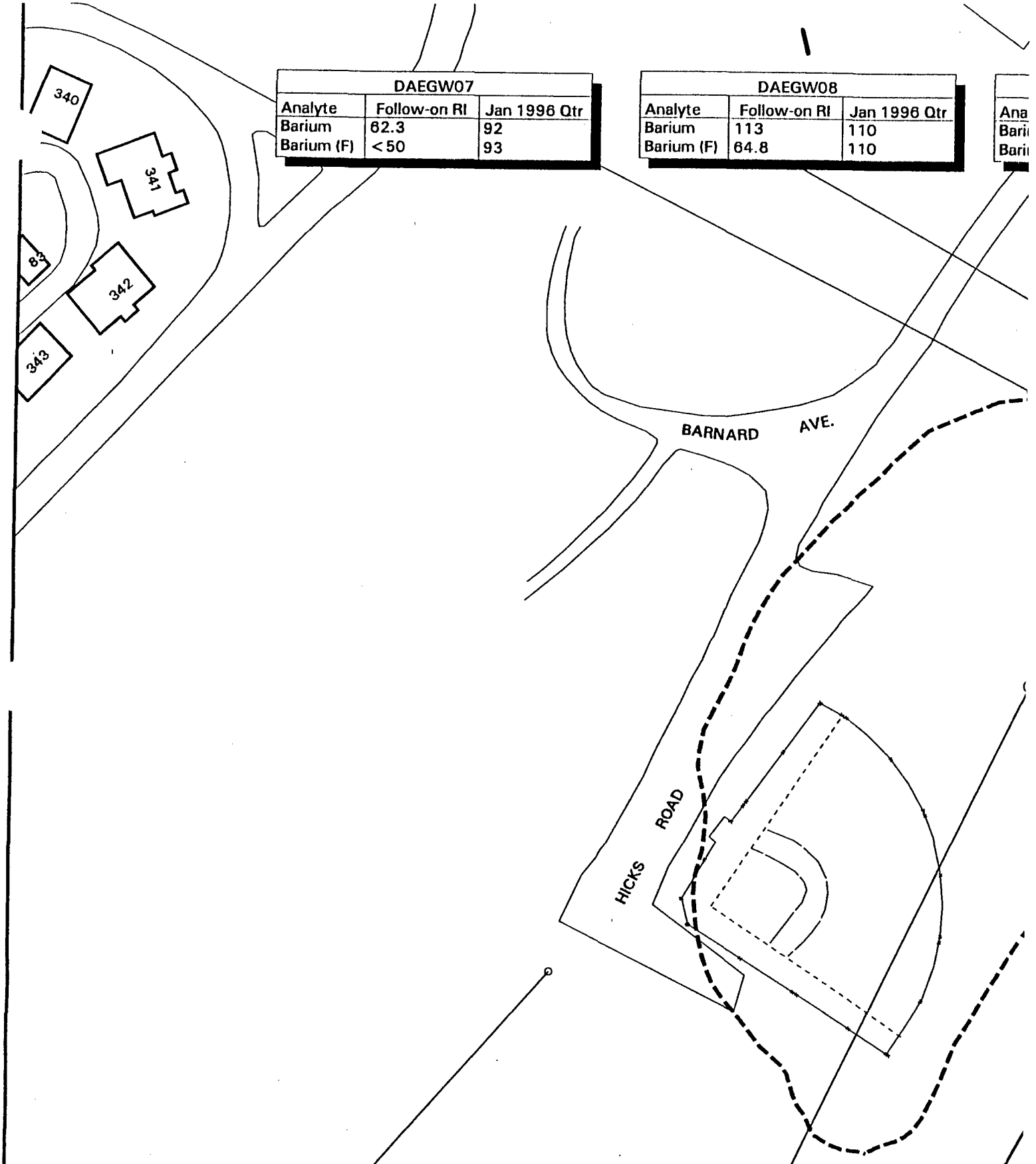
DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ALUMINUM IN GROUNDWATER

PSF26401

Date: January 1997

Figure 9.6-28



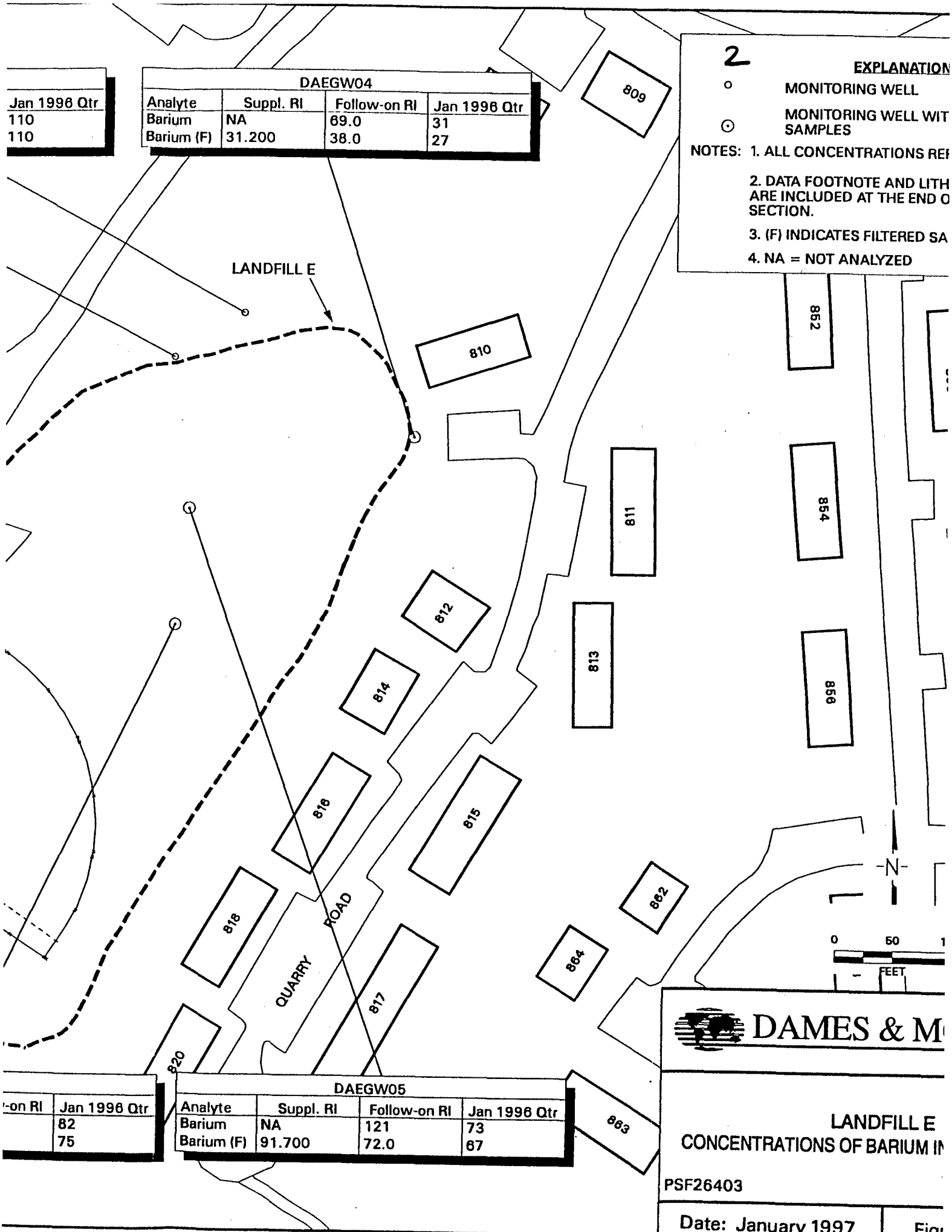
DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	62.3	92
Barium (F)	<50	93

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	113	110
Barium (F)	64.8	110

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	<50	80
Barium (F)	<50	71

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	103	82
Barium (F)	73.700	78.0	75

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


Jan 1996 Qtr
110
110
DAEGW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Barium | NA | 69.0 | 31
Barium (F) | 31.200 | 38.0 | 27
2
EXPLANATION
MONITORING WELL
MONITORING WELL WIT
SAMPLES
NOTES: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END O
SECTION.
3. (F) INDICATES FILTERED SA
4. NA = NOT ANALYZED
LANDFILL E
809
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811
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813
814
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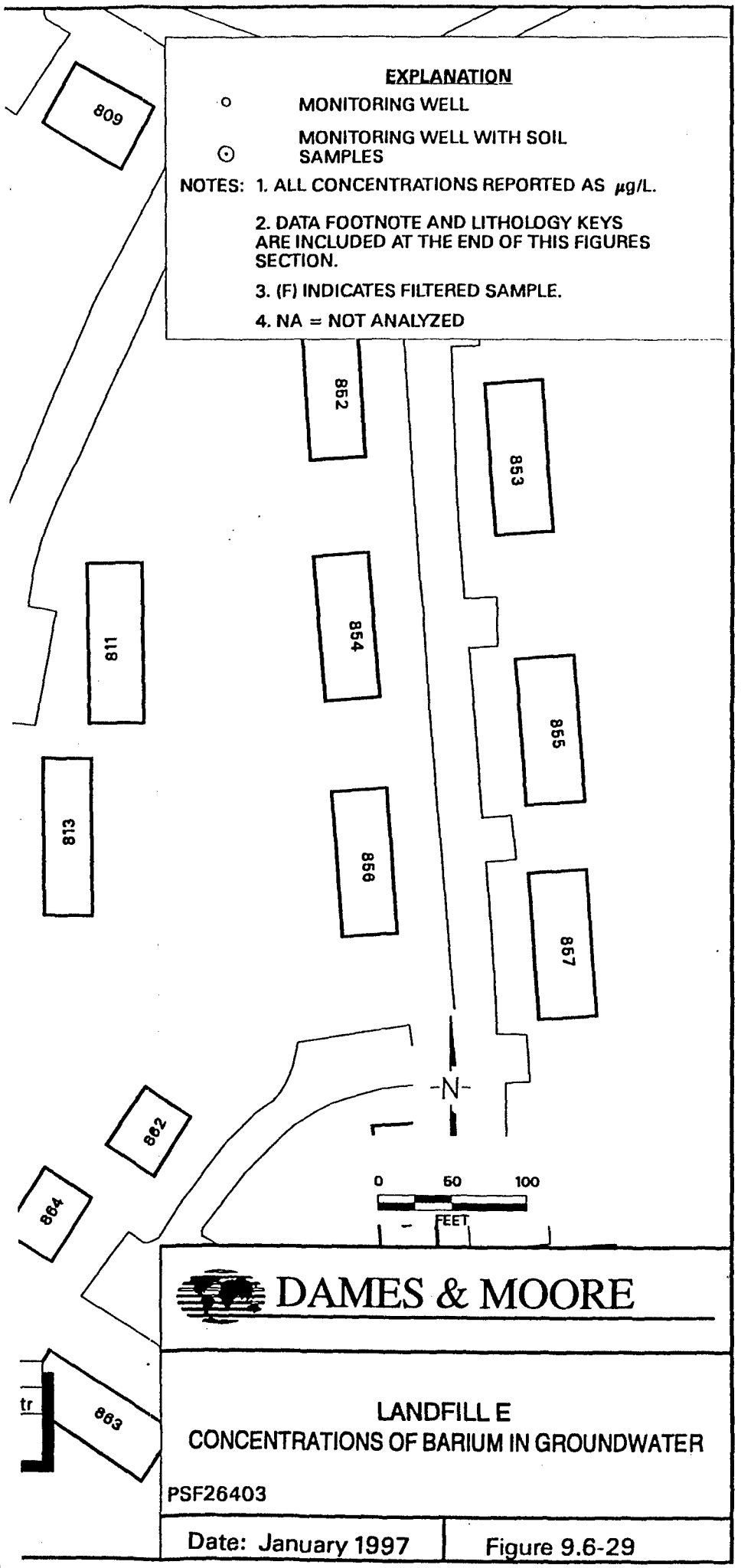
817
818
820
852
854
856
862
863
864
QUARRY ROAD
N
0
50
FEET
-on RI | Jan 1996 Qtr
82
75
DAEGW05
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Barium | NA | 121 | 73
Barium (F) | 91.700 | 72.0 | 67
DAMES & M
LANDFILL E
CONCENTRATIONS OF BARIUM I
PSF26403
Date: January 1997
Figu



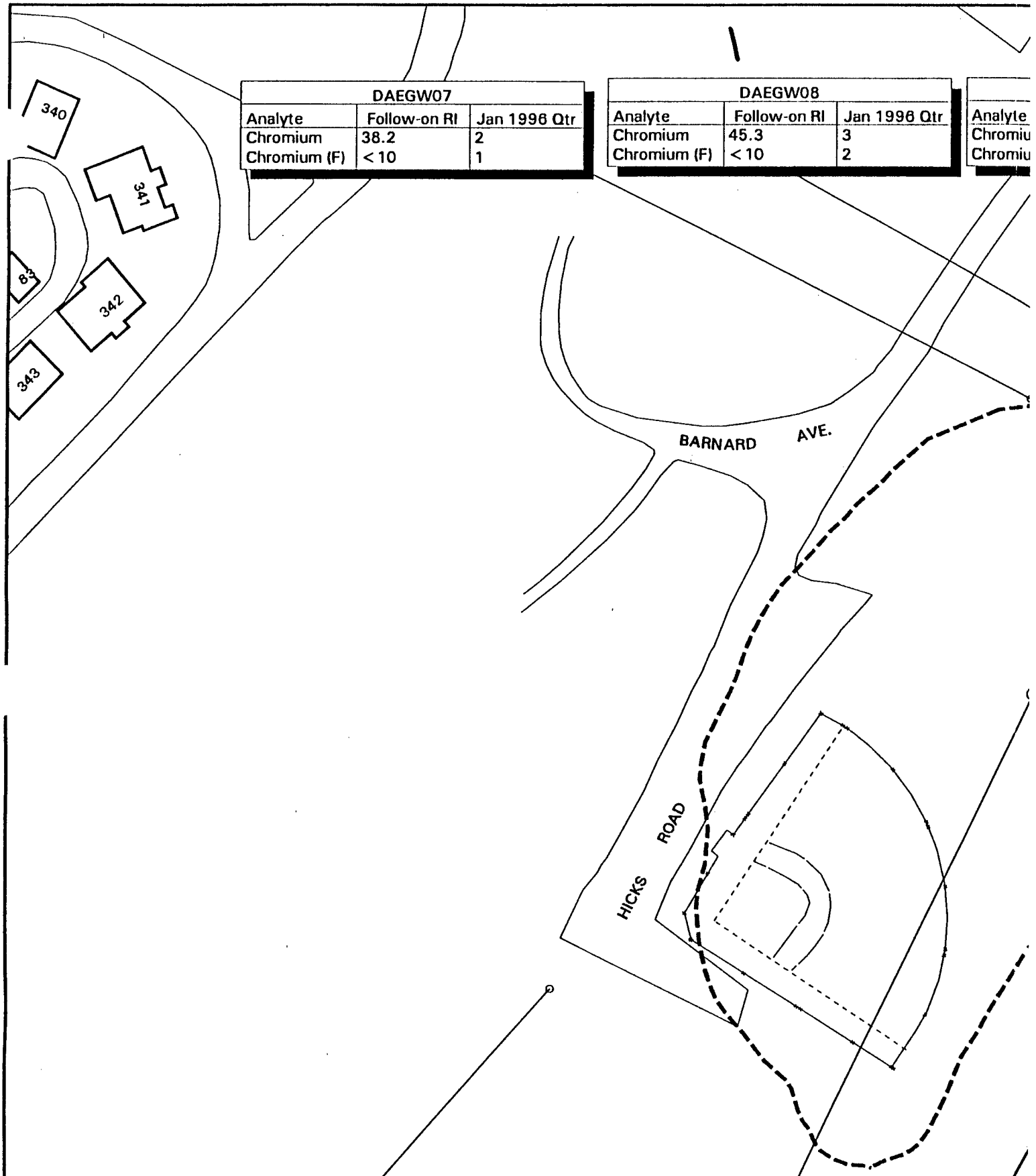
DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF BARIUM IN GROUNDWATER

PSF26403

Date: January 1997

Figure 9.6-29



DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	38.2	2
Chromium (F)	< 10	1

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	45.3	3
Chromium (F)	< 10	2

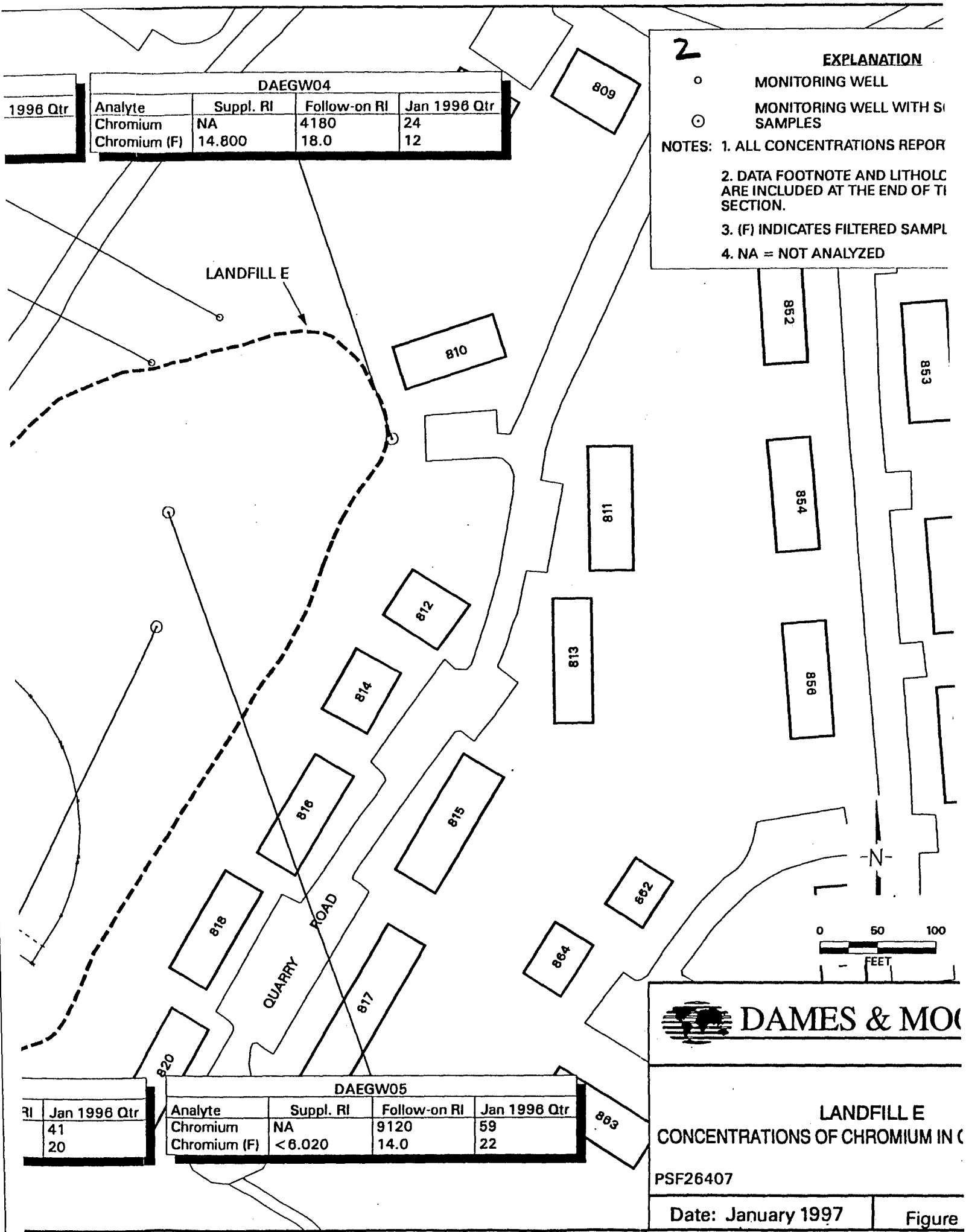
Analyte
Chromiu
Chromiu

DAEGW06		
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	< 10	2
Chromium (F)	< 10	1

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	35.0 f	41
Chromium (F)	7.820	9.00	20

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17 Sep 96 09:08:20 Tuesday 11x17_v3.smd, plotfile base_LFE_W_7.grn, PSF



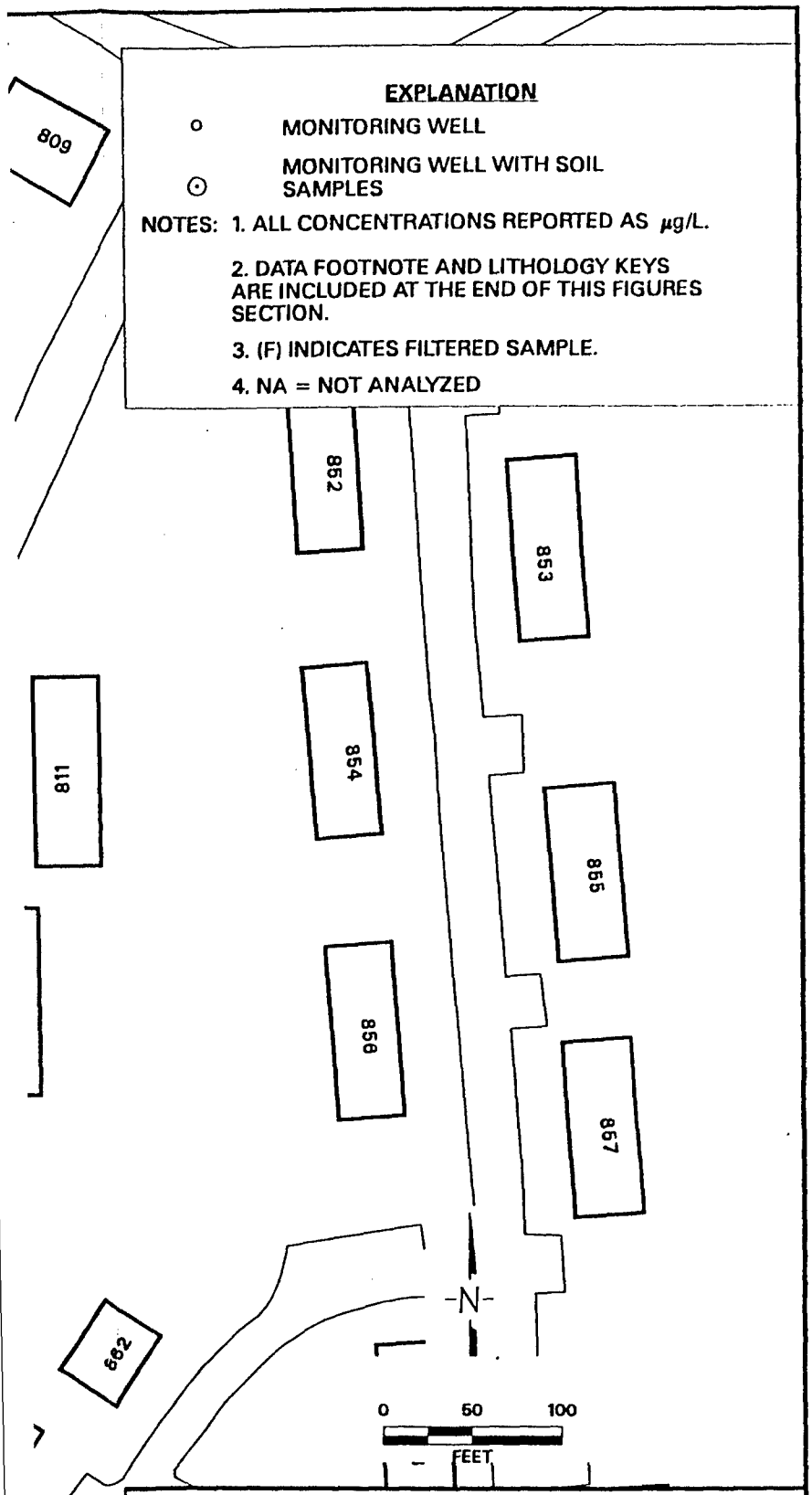
1996 Qtr

DAEGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	4180	24
Chromium (F)	14.800	18.0	12

RI	Jan 1996 Qtr
	41
	20

DAEGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	9120	59
Chromium (F)	<6.020	14.0	22

3

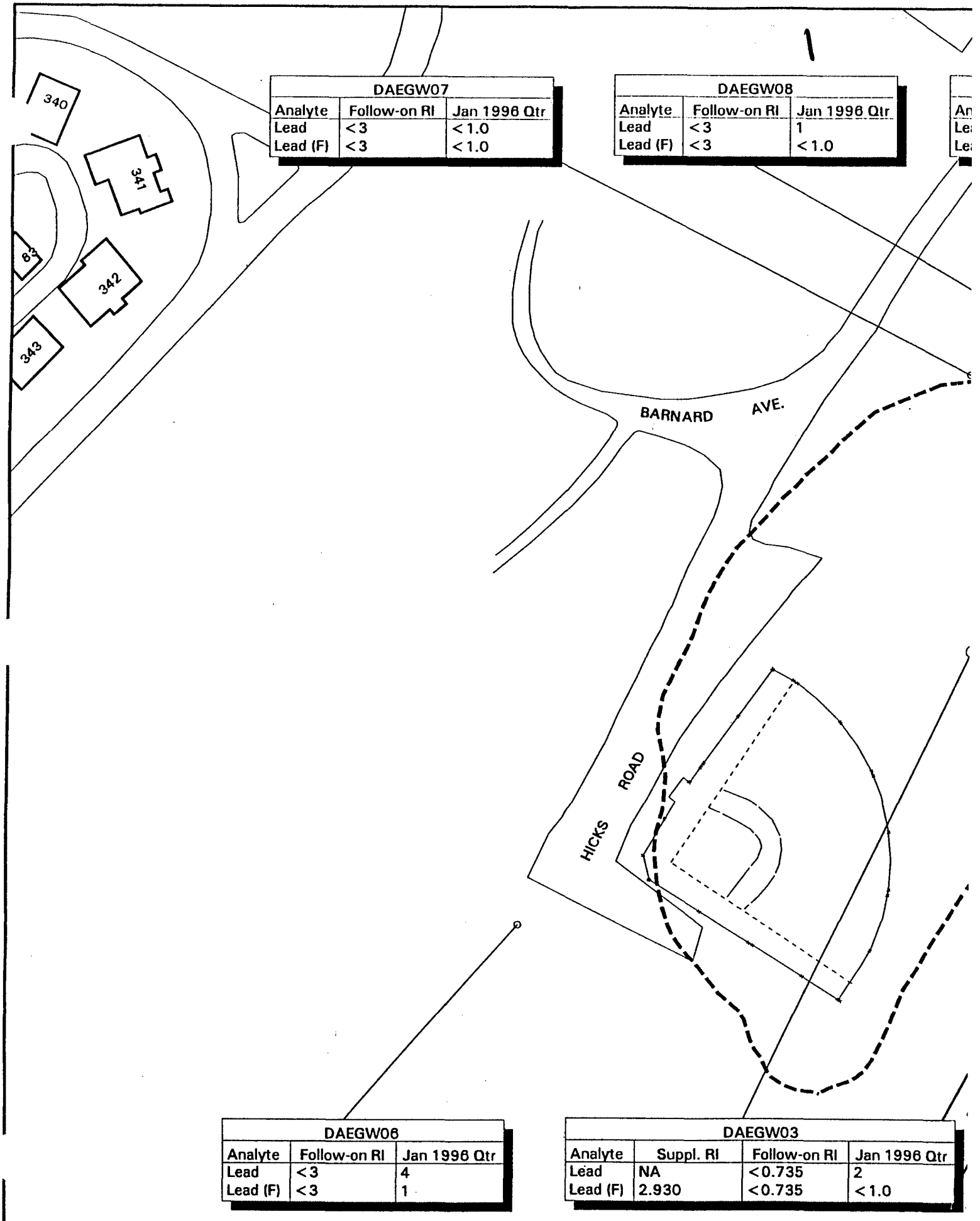


DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

PSF26407

Date: January 1997 | Figure 9.6-30



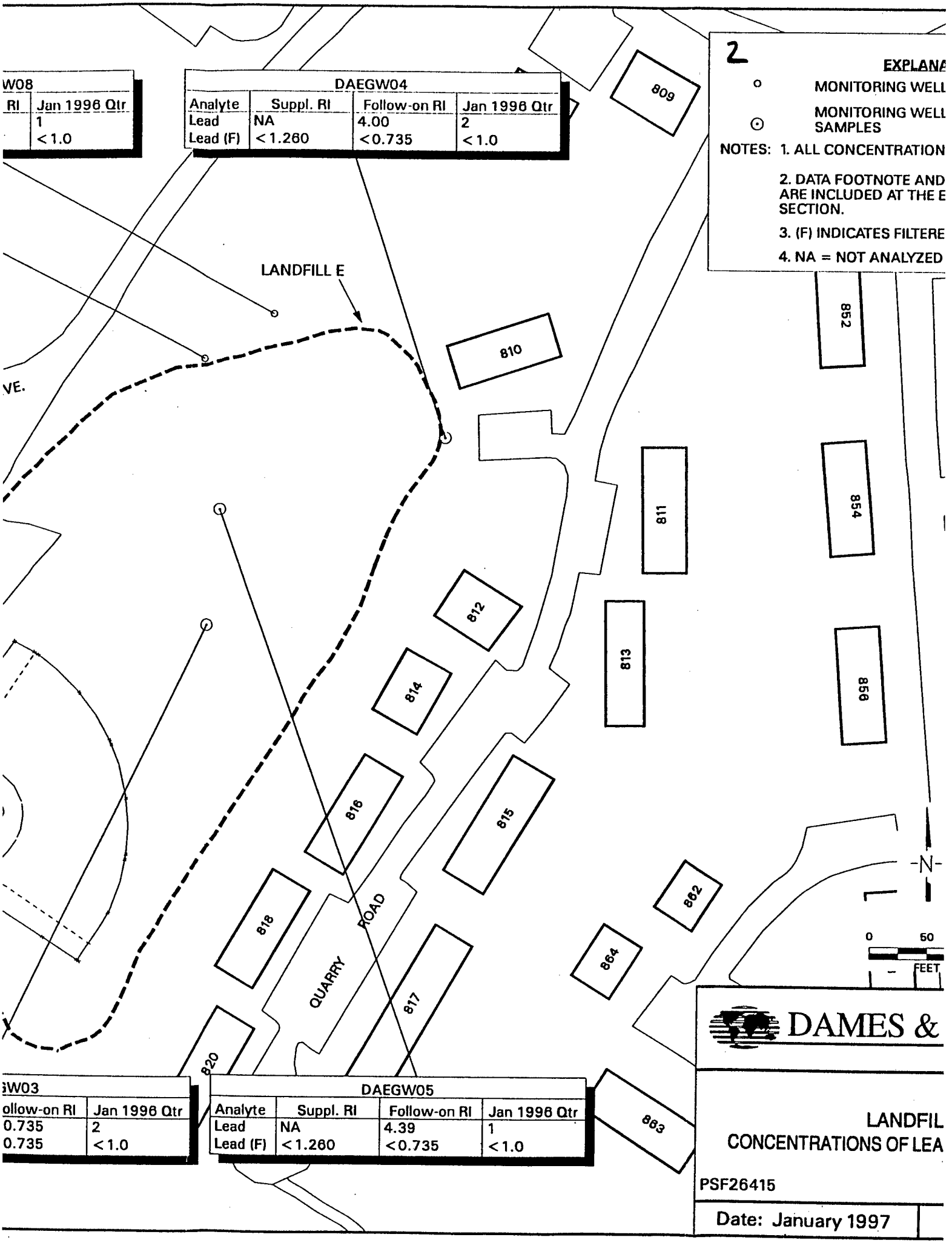
DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Lead	< 3	< 1.0
Lead (F)	< 3	< 1.0

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Lead	< 3	1
Lead (F)	< 3	< 1.0

DAEGW06		
Analyte	Follow-on RI	Jan 1996 Qtr
Lead	< 3	4
Lead (F)	< 3	1

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	< 0.735	2
Lead (F)	2.930	< 0.735	< 1.0

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



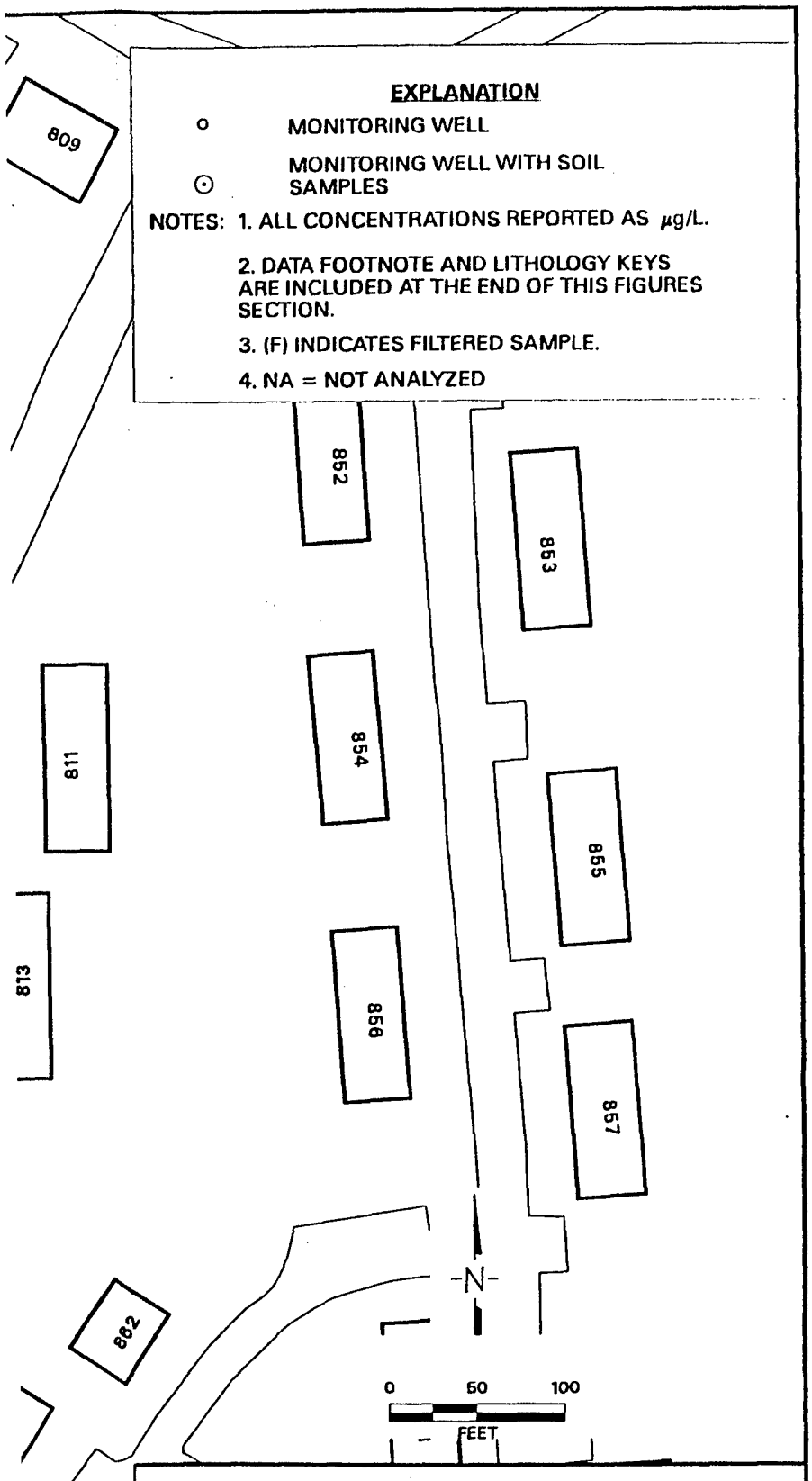
W08	
RI	Jan 1996 Qtr
	1
	< 1.0

DAEGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	4.00	2
Lead (F)	< 1.260	< 0.735	< 1.0

GW03	
ollow-on RI	Jan 1996 Qtr
0.735	2
0.735	< 1.0

DAEGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	4.39	1
Lead (F)	< 1.260	< 0.735	< 1.0

3



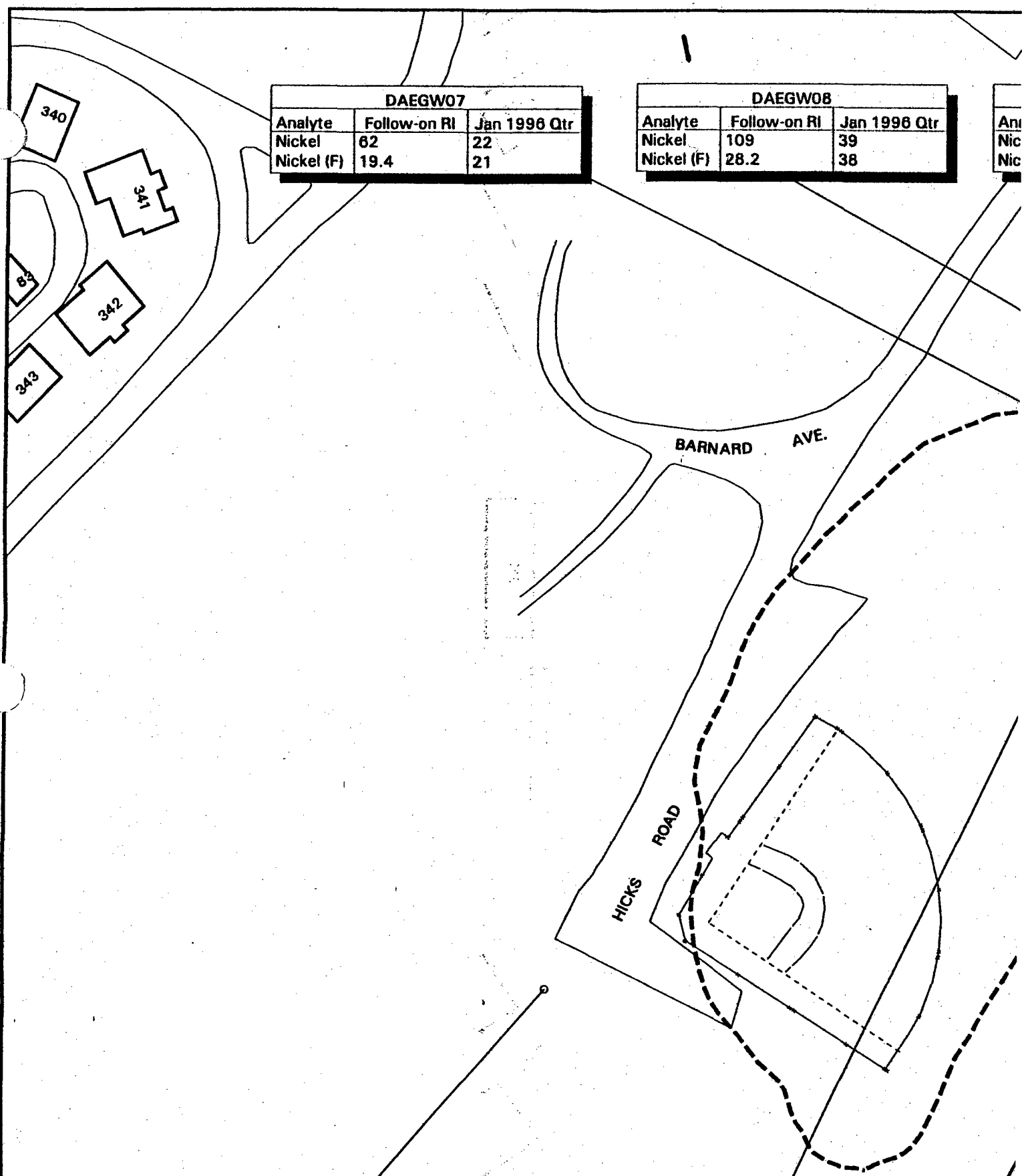
DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF LEAD IN GROUNDWATER

PSF26415

Date: January 1997

Figure 9.6-31



DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	62	22
Nickel (F)	19.4	21

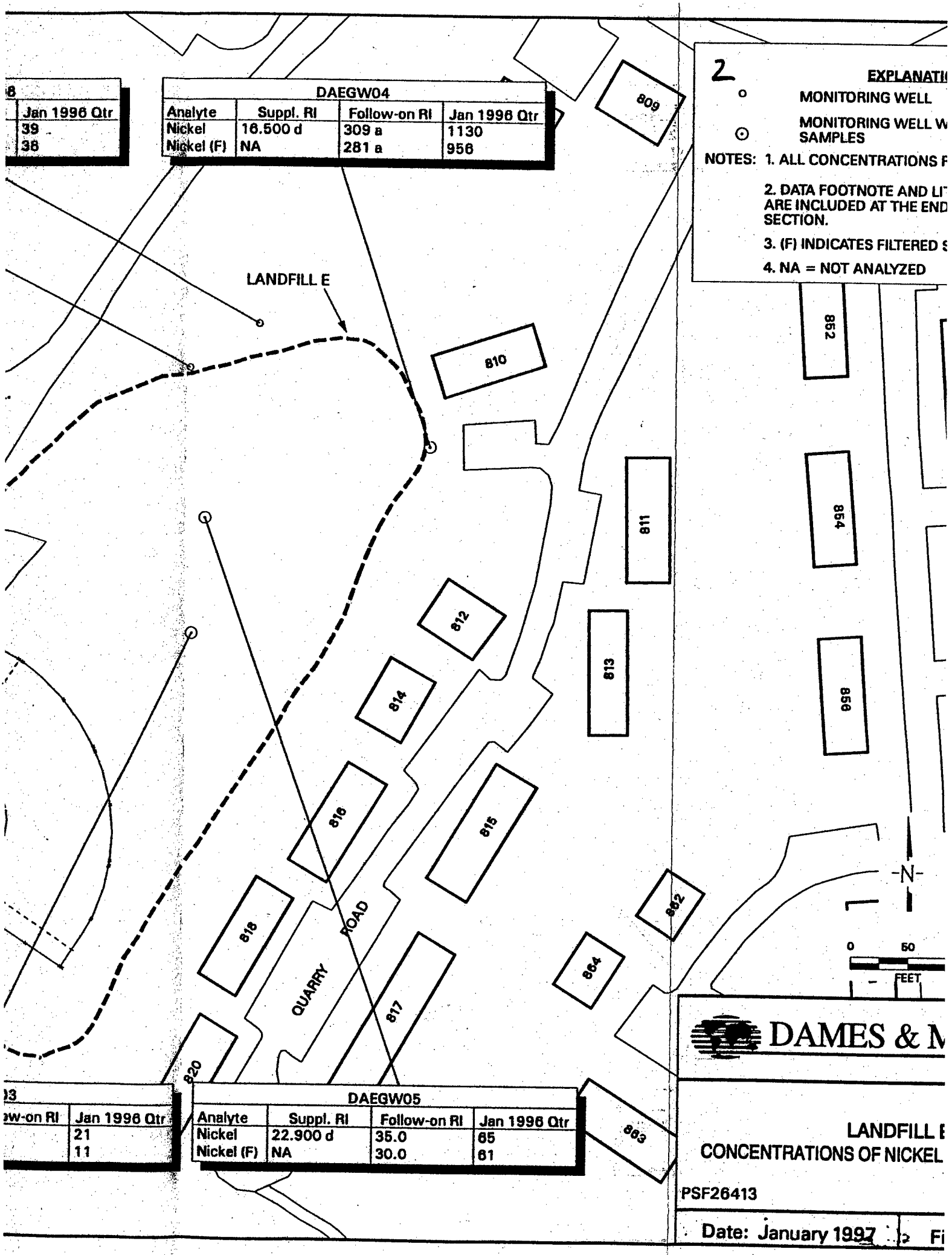
DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	109	39
Nickel (F)	28.2	38

DAEGW06		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	23.6	7
Nickel (F)	< 11.7	< 5.0

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	< 34.300	22.1	21
Nickel (F)	13.100 d	12.3	11

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17_v3.ami, pltdflt base_LFE_W_16.gra, PSF
17 Sep 96 09:11:54 Tuesday



	Jan 1996 Qtr
	39
	38

DAEGW04

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	16.500 d	309 a	1130
Nickel (F)	NA	281 a	956

	Follow-on RI	Jan 1996 Qtr
		21
		11

DAEGW05

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	22.900 d	35.0	65
Nickel (F)	NA	30.0	61

2

EXPLANATI

o MONITORING WELL

⊙ MONITORING WELL W SAMPLES

NOTES: 1. ALL CONCENTRATIONS F

2. DATA FOOTNOTE AND LI ARE INCLUDED AT THE END SECTION.

3. (F) INDICATES FILTERED S

4. NA = NOT ANALYZED

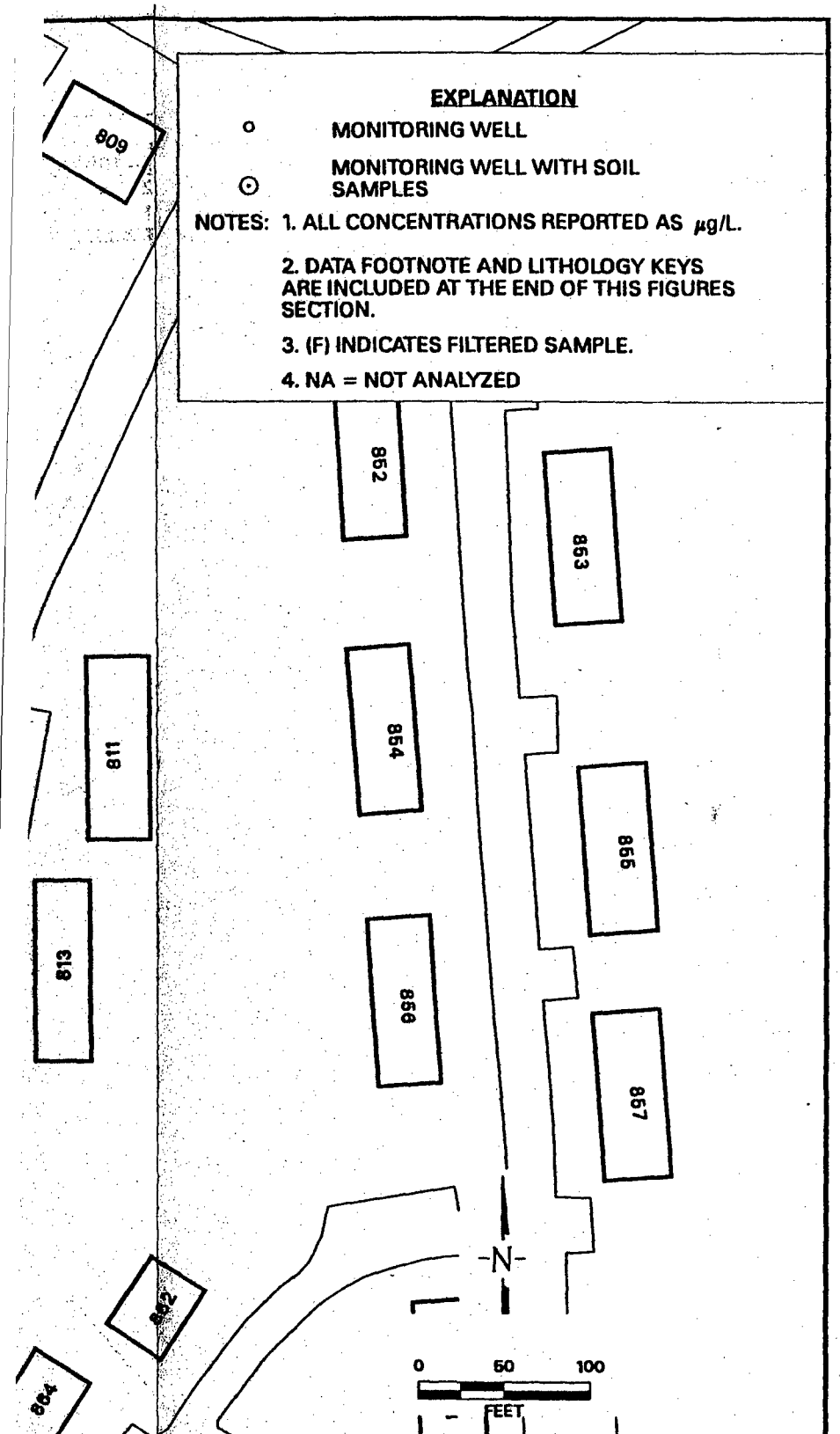
DAMES & M

LANDFILL E

CONCENTRATIONS OF NICKEL

PSF26413

Date: January 1997 Fi

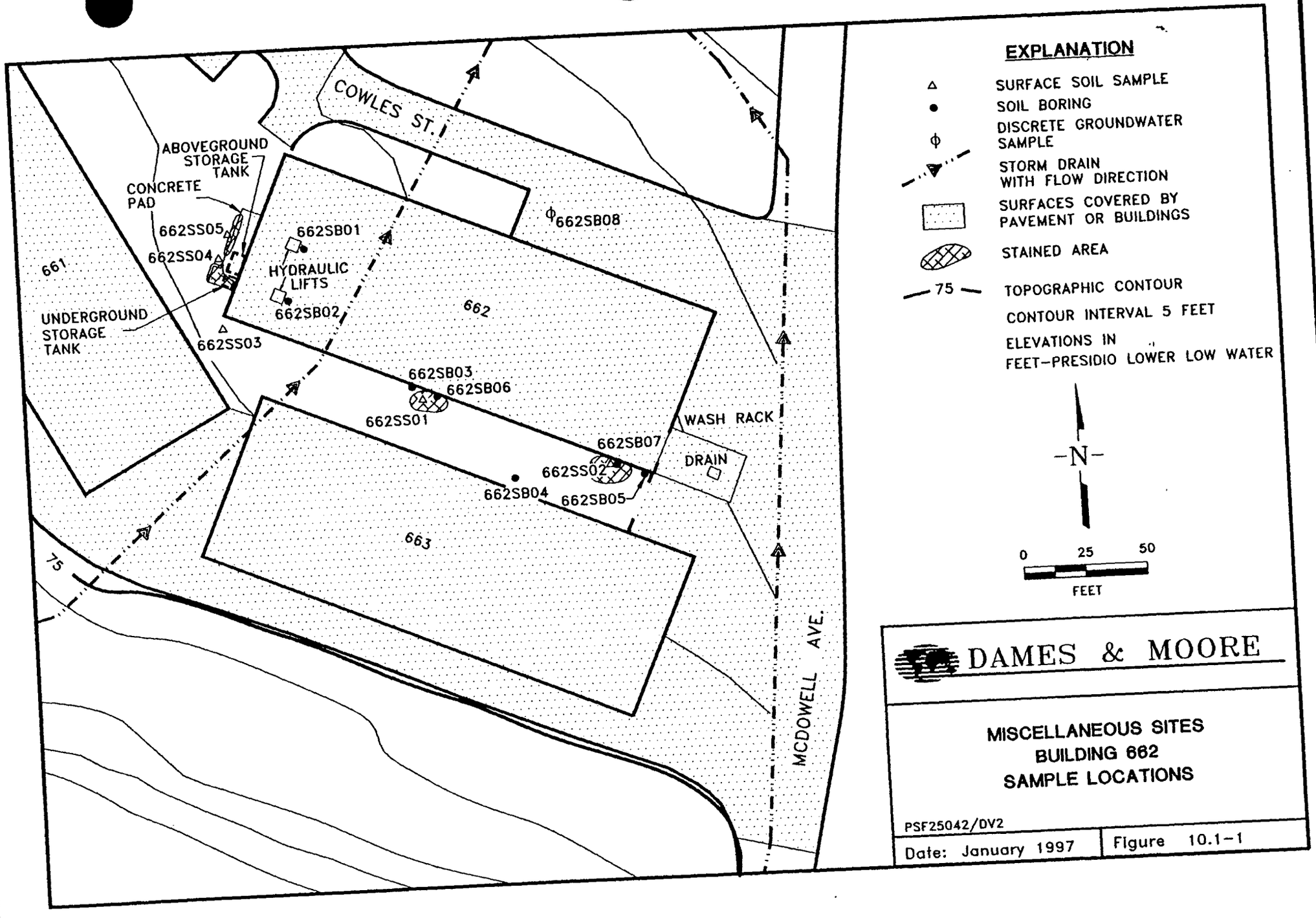


DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF NICKEL IN GROUNDWATER

PSF26413

Date: January 1997 Figure 9.6-32



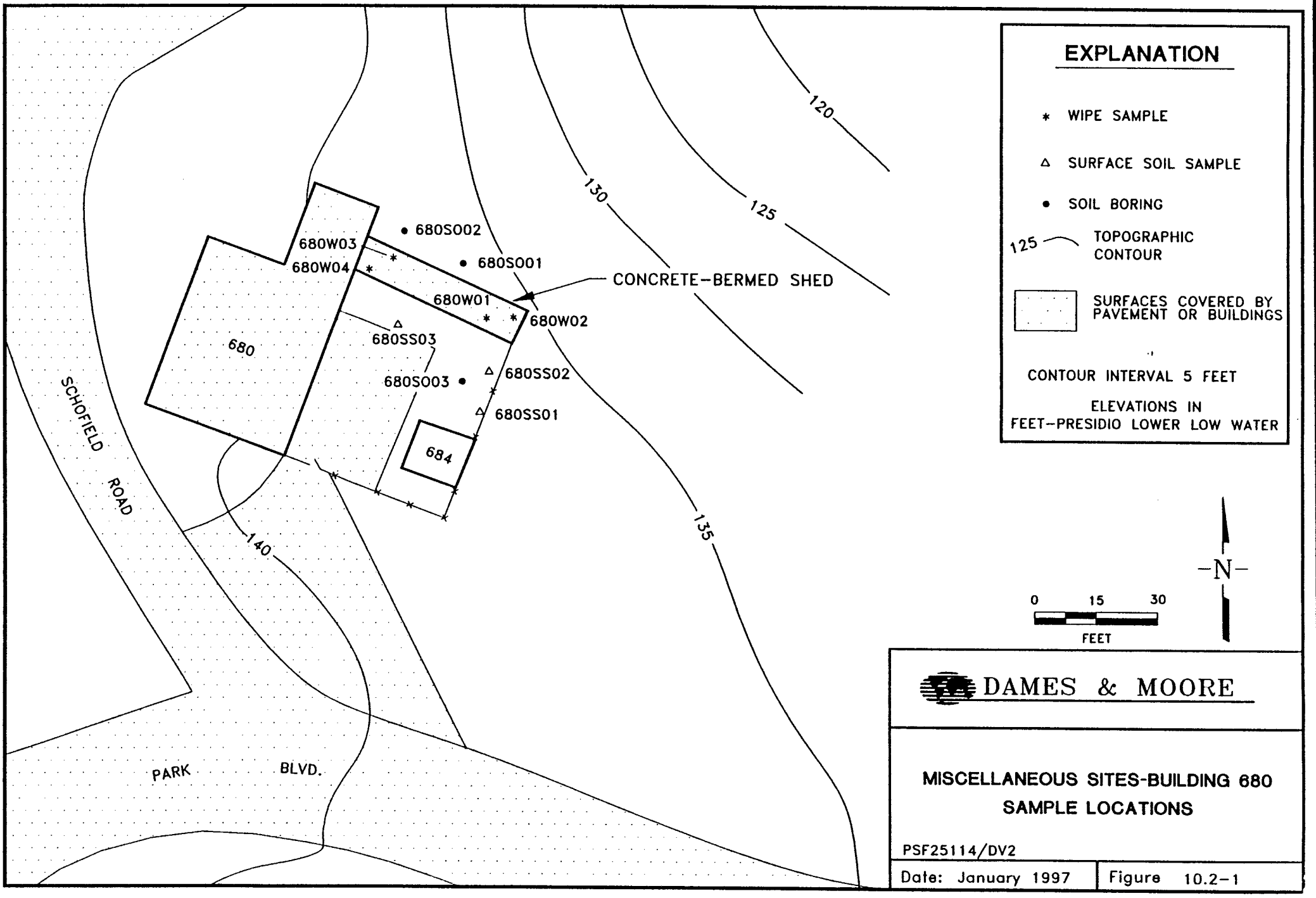
DAMES & MOORE

MISCELLANEOUS SITES
BUILDING 662
SAMPLE LOCATIONS

PSF25042/DV2

Date: January 1997

Figure 10.1–1

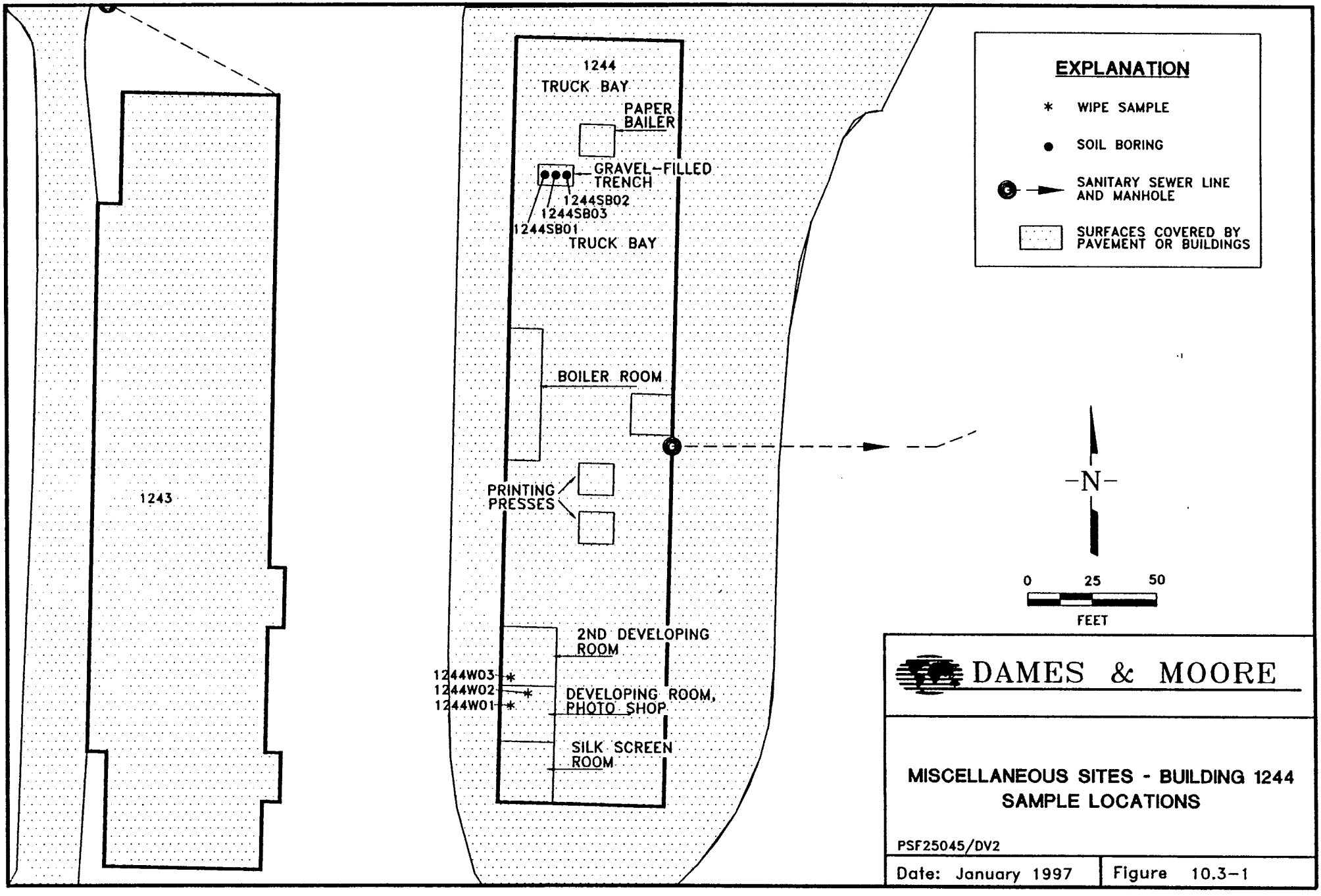


DAMES & MOORE

MISCELLANEOUS SITES-BUILDING 680
SAMPLE LOCATIONS

PSF25114/DV2

Date: January 1997 | Figure 10.2–1

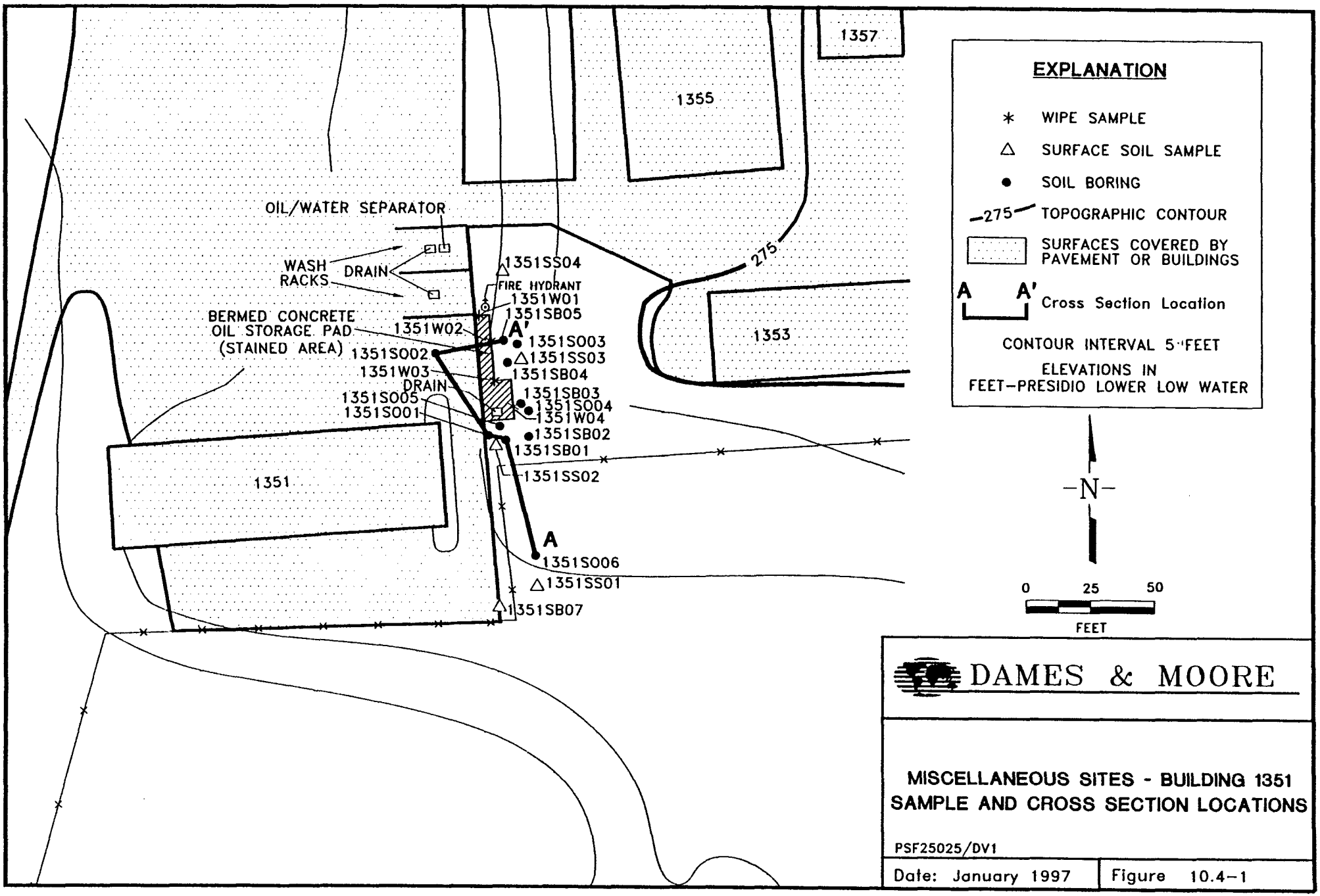


DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1244
SAMPLE LOCATIONS

PSF25045/DV2

Date: January 1997 | Figure 10.3-1

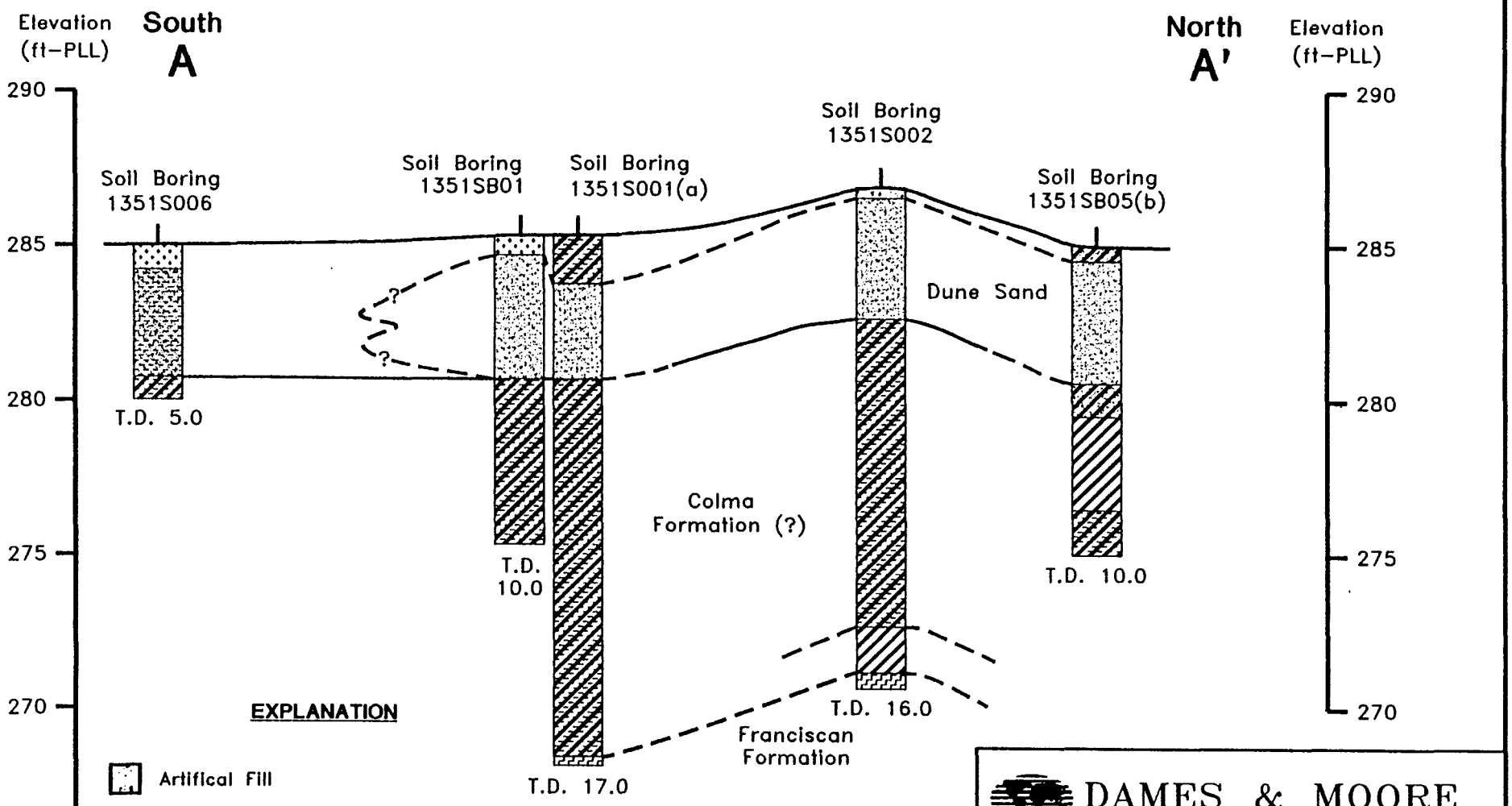


DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
SAMPLE AND CROSS SECTION LOCATIONS

PSF25025/DV1

Date: January 1997 | Figure 10.4-1



DAMES & MOORE

MISCELLANEOUS SITES
BUILDING 1351
CROSS SECTION A-A'

PSF25196\DV1

Date: January 1997 | Figure 10.4-2

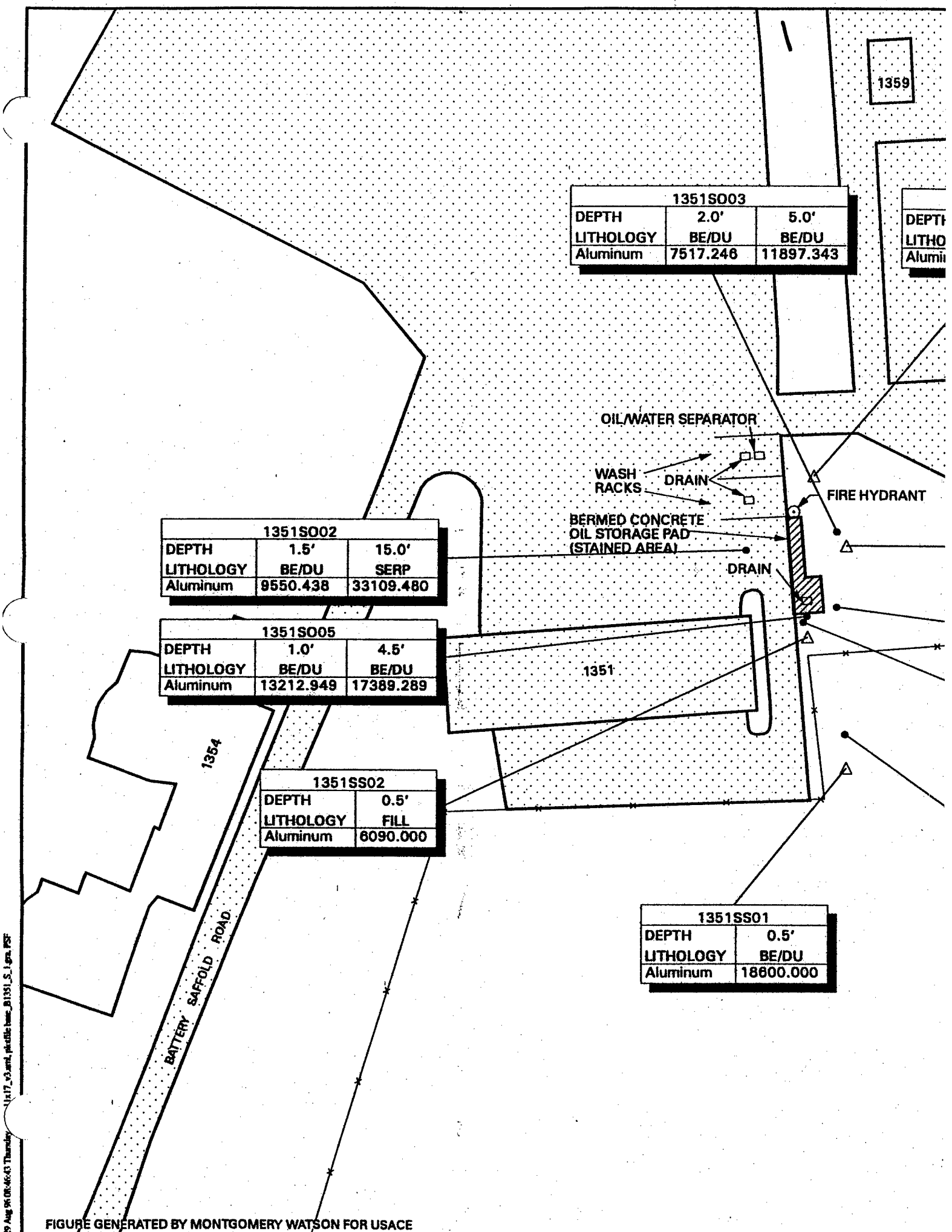
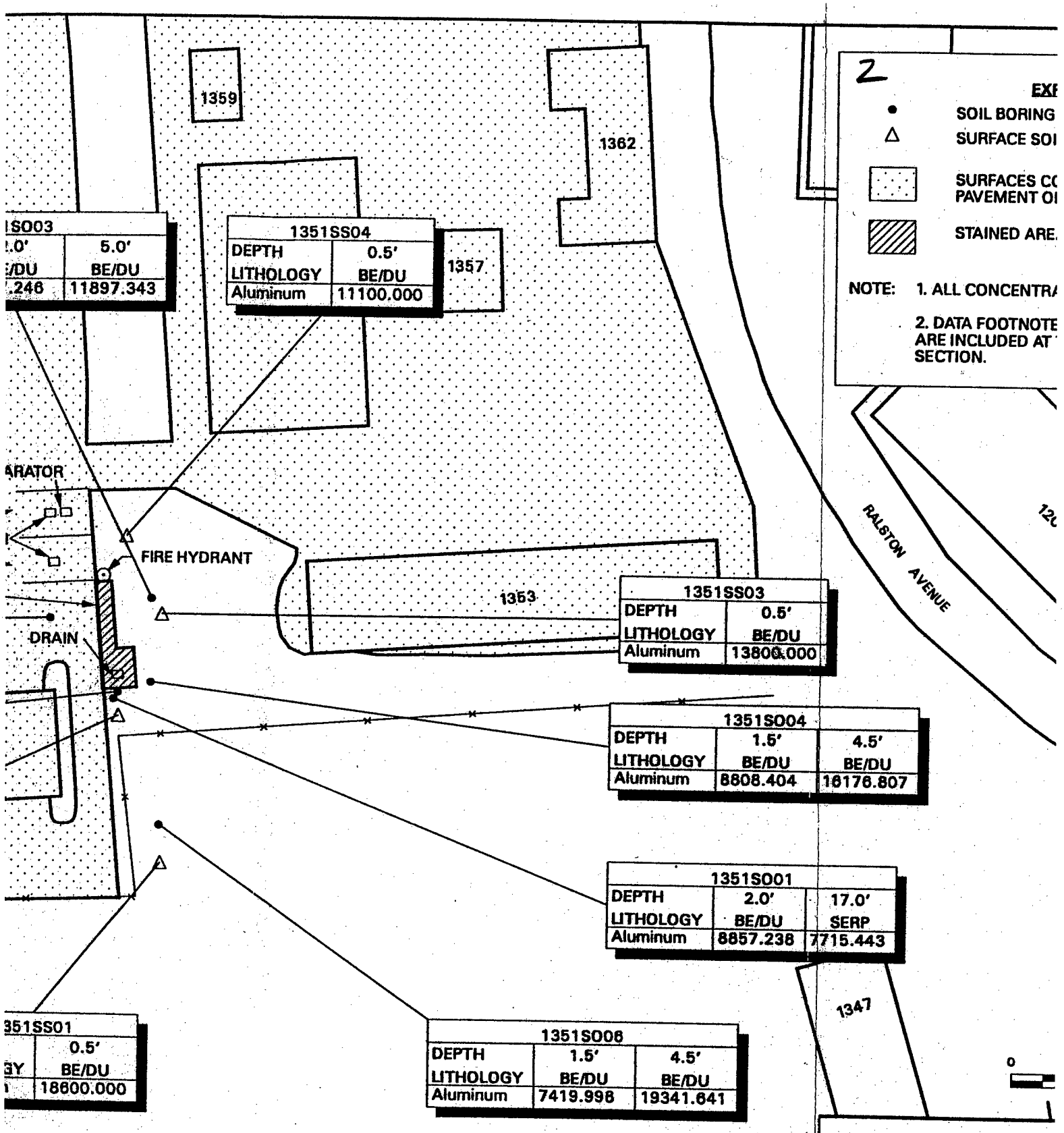
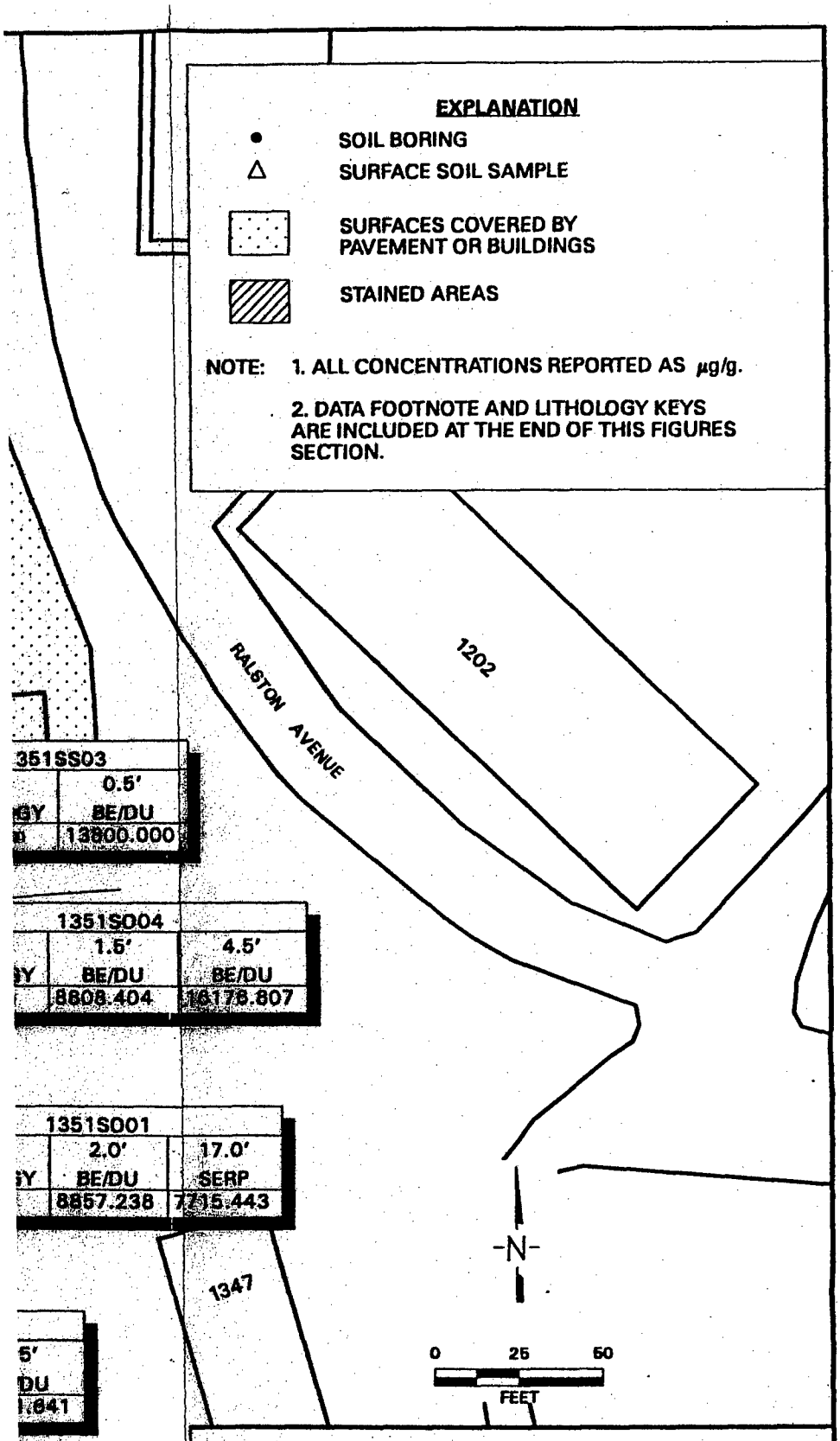


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

29 Aug 96 08:46:43 Thursday 11x17_v3.smt, plotfile base_B1351_S_1.grn, PSF


2
EXP
SOIL BORING
SURFACE SOI
SURFACES CO
PAVEMENT OI
STAINED ARE
NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE
ARE INCLUDED AT
SECTION.
1359
1362
1357
1353
1347
RALSTON AVENUE
ARATOR
FIRE HYDRANT
DRAIN
1351SO03
.0' 5.0'
/DU BE/DU
.246 11897.343
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Aluminum 11100.000
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Aluminum 13800.000
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Aluminum 8808.404 16176.807
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Aluminum 8857.238 7715.443
351SS01
GY 0.5'
BE/DU
18600.000
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Aluminum 7419.998 19341.641
0
DAMES
MISCELLANEOUS S
CONCENTRATIONS (
PSF26423
Date: January 1997



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26423

Date: January 1997 | Figure 10.4-3

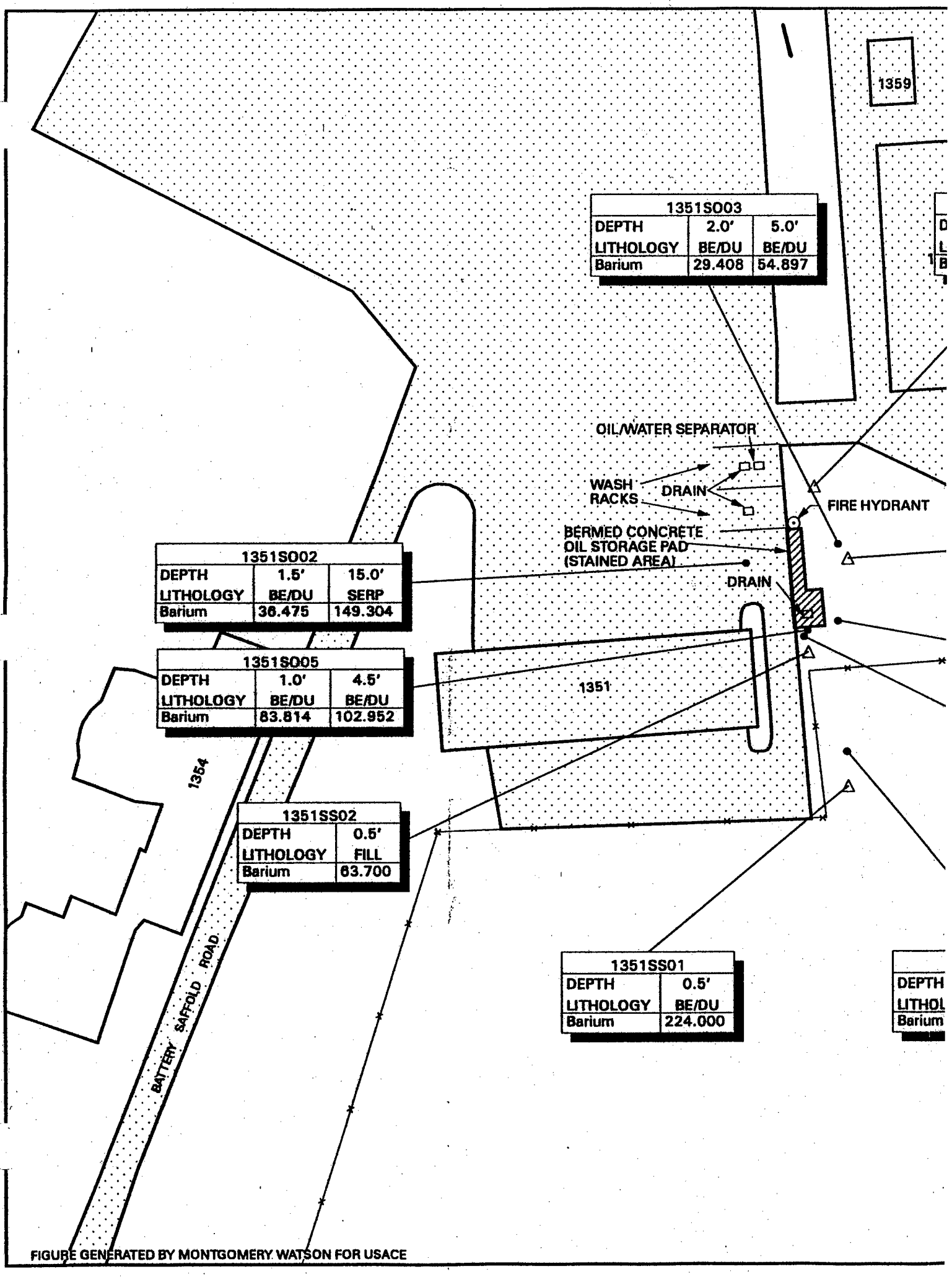
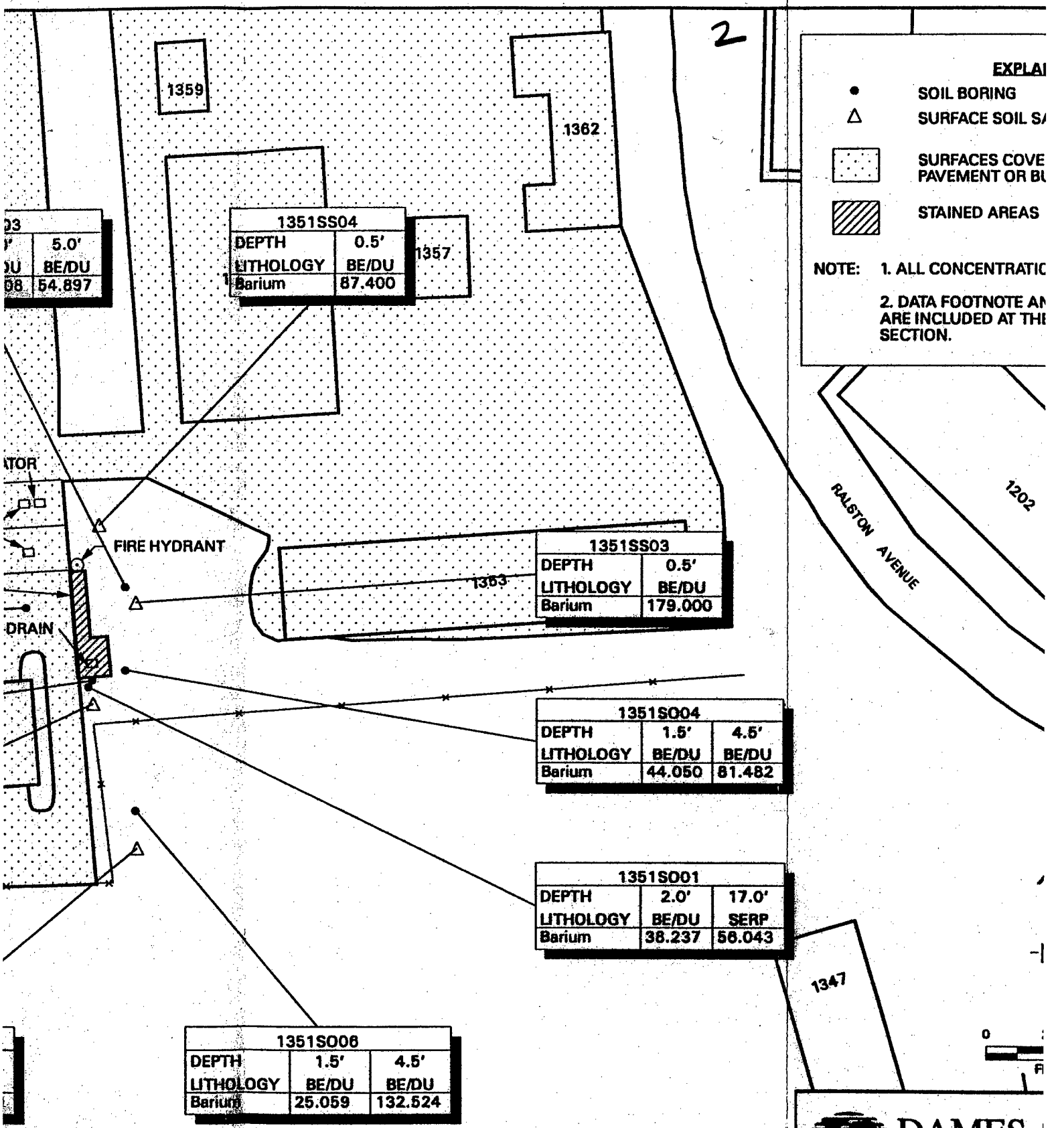
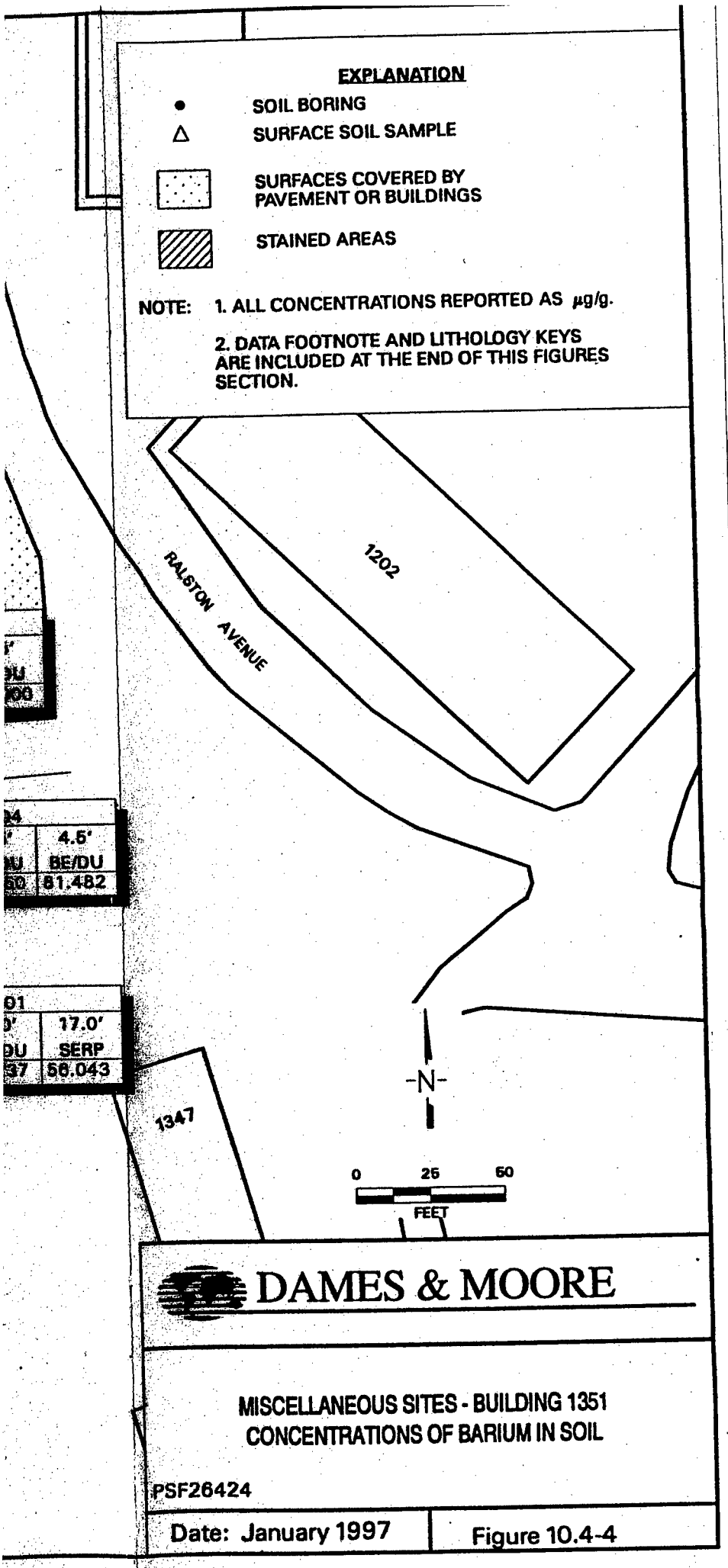


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLA
SOIL BORING
SURFACE SOIL SA
SURFACES COVE
PAVEMENT OR BU
STAINED AREAS
NOTE: 1. ALL CONCENTRATIC
2. DATA FOOTNOTE AN
ARE INCLUDED AT THI
SECTION.
1359
1362
1357
1363
1202
1347
RALSTON AVENUE
FIRE HYDRANT
DRAIN
ATOR
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Barium 87.400
03 5.0'
U BE/DU
08 54.897
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Barium 179.000
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Barium 44.050 81.482
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Barium 38.237 56.043
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Barium 25.059 132.524
0
DAMES
MISCELLANEOUS SIT
CONCENTRATIONS
PSF26424
Date: January 1997



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF BARIUM IN SOIL

PSF26424

Date: January 1997

Figure 10.4-4

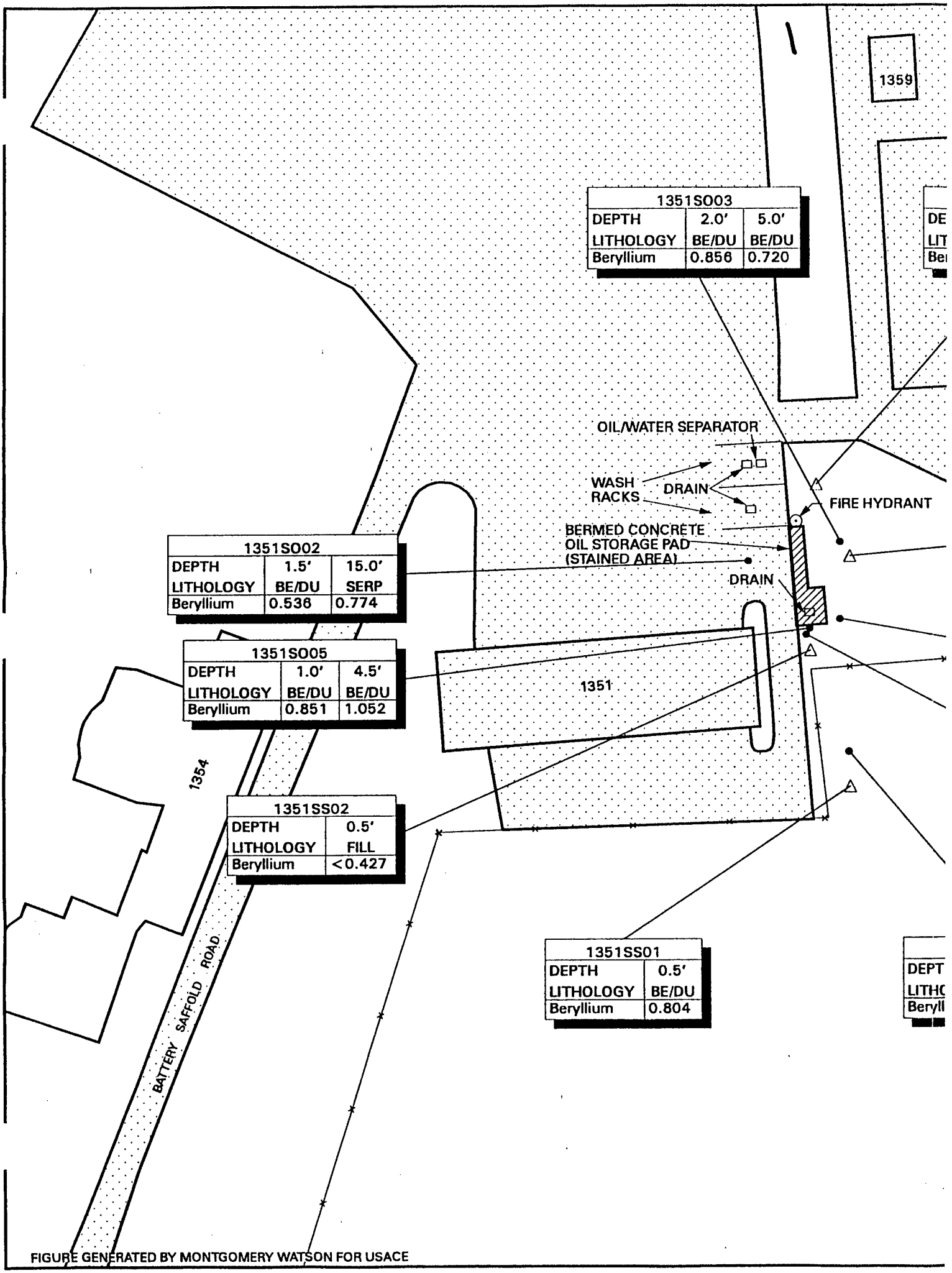
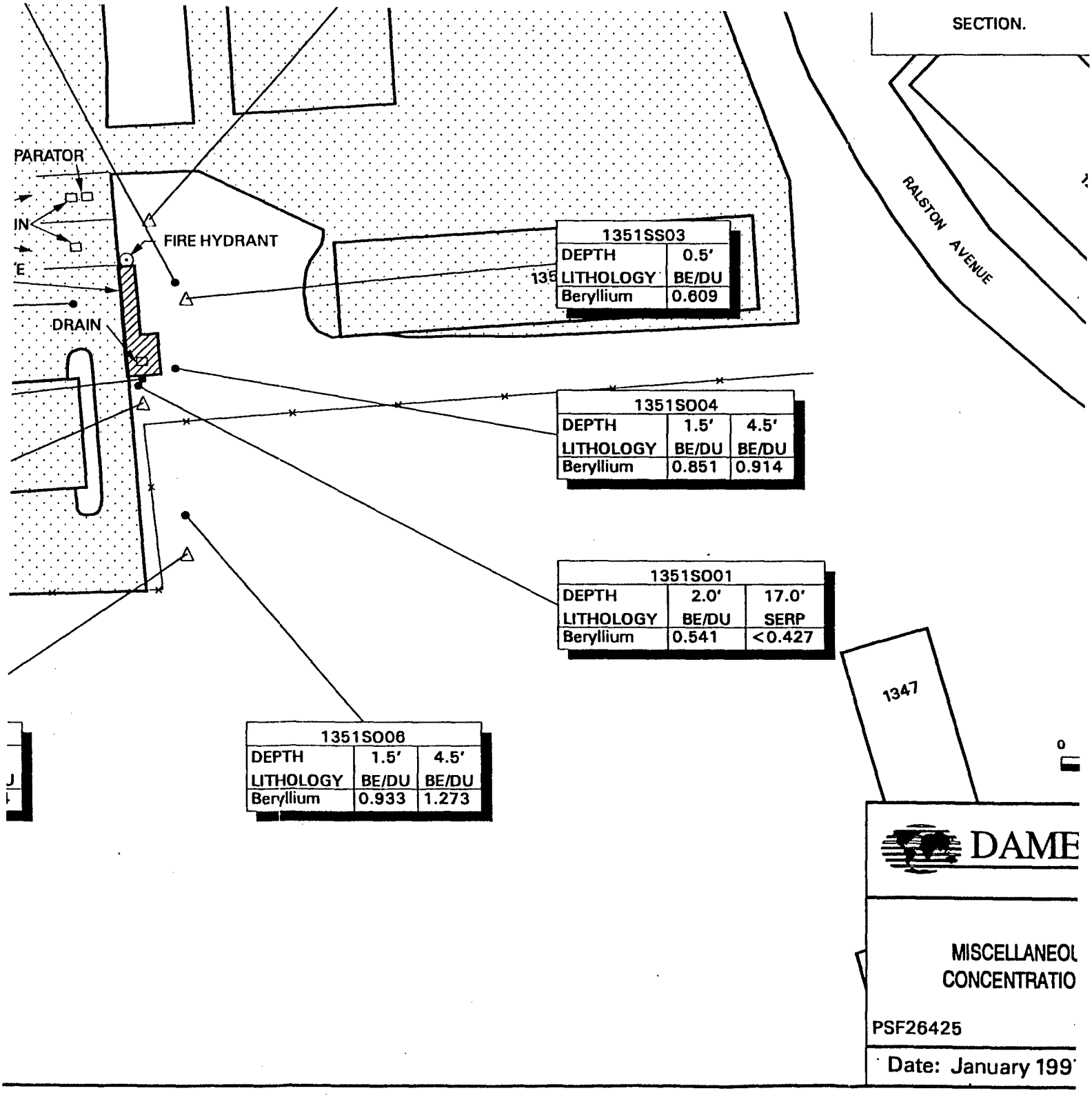
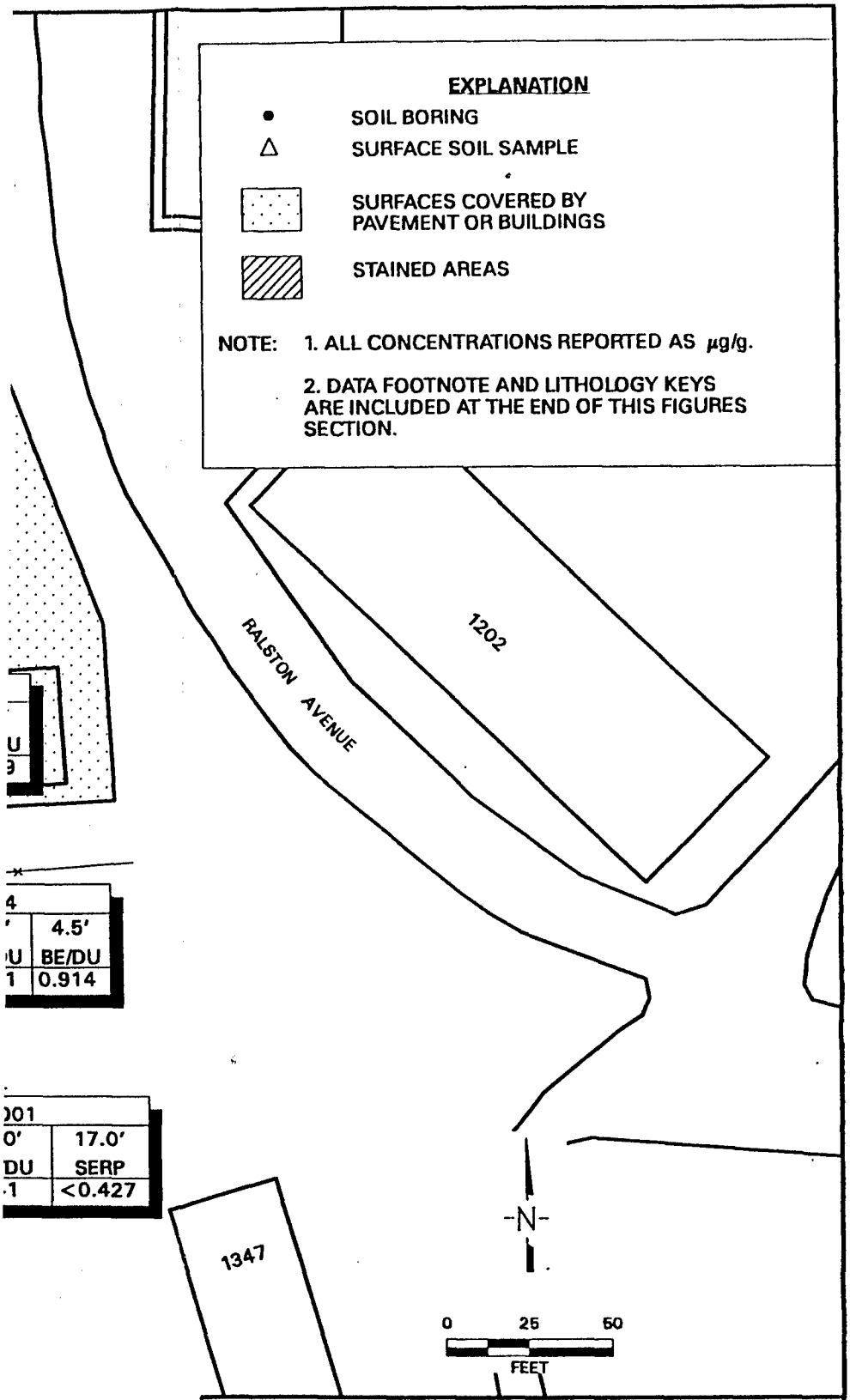


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17_v3.aml, pltdfile hsec_B1351_S_5.grn, PSF
29 Aug 96 08:51:38 Thursday

2


SECTION.
PARATOR
IN
E
FIRE HYDRANT
DRAIN
RALSTON AVENUE
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Beryllium 0.609
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Beryllium 0.851 0.914
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Beryllium 0.541 <0.427
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Beryllium 0.933 1.273
1347
DAME
MISCELLANEOU
CONCENTRATIO
PSF26425
Date: January 199



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF BERYLLIUM IN SOIL

PSF26425

Date: January 1997

Figure 10.4-5

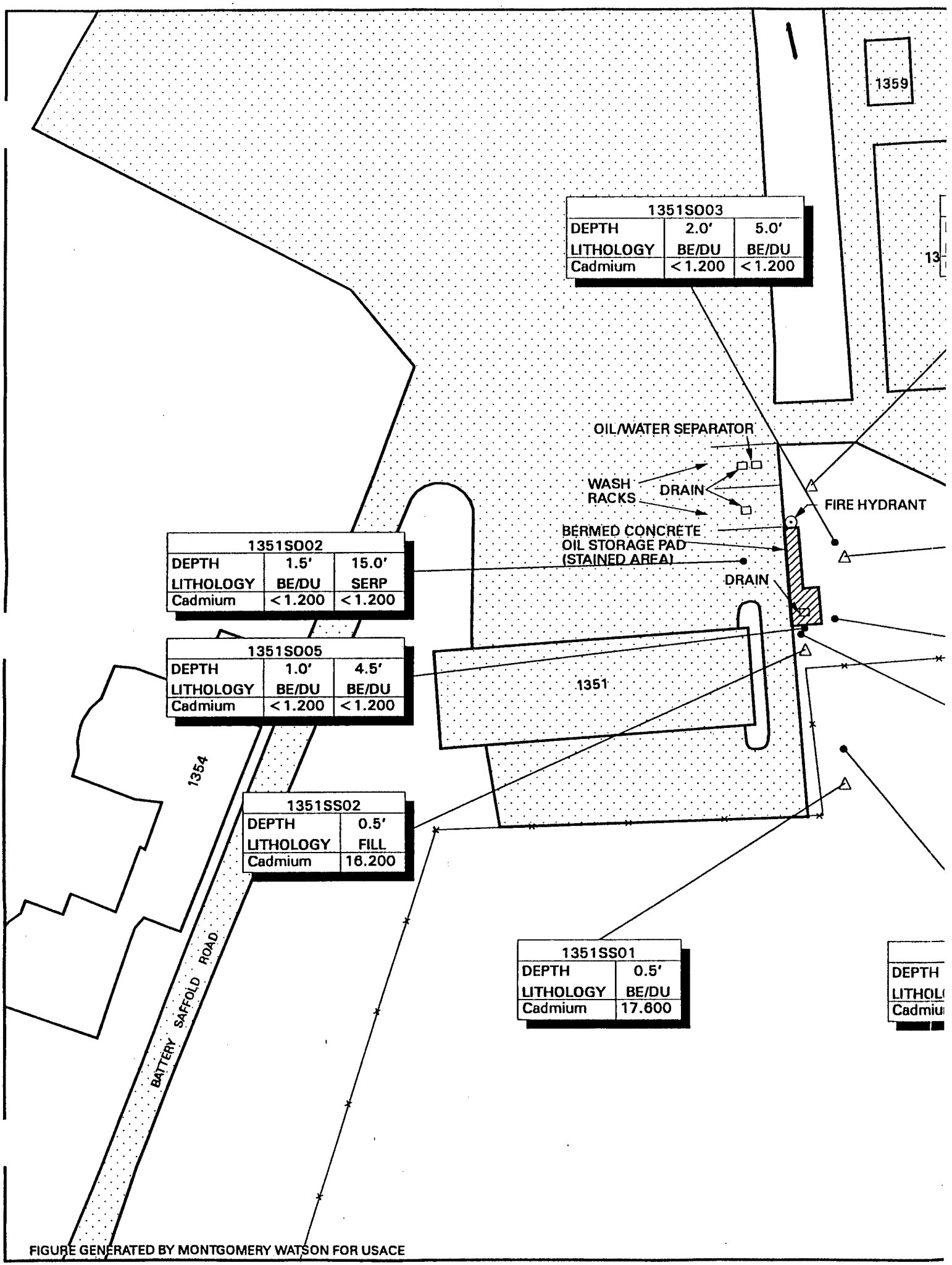
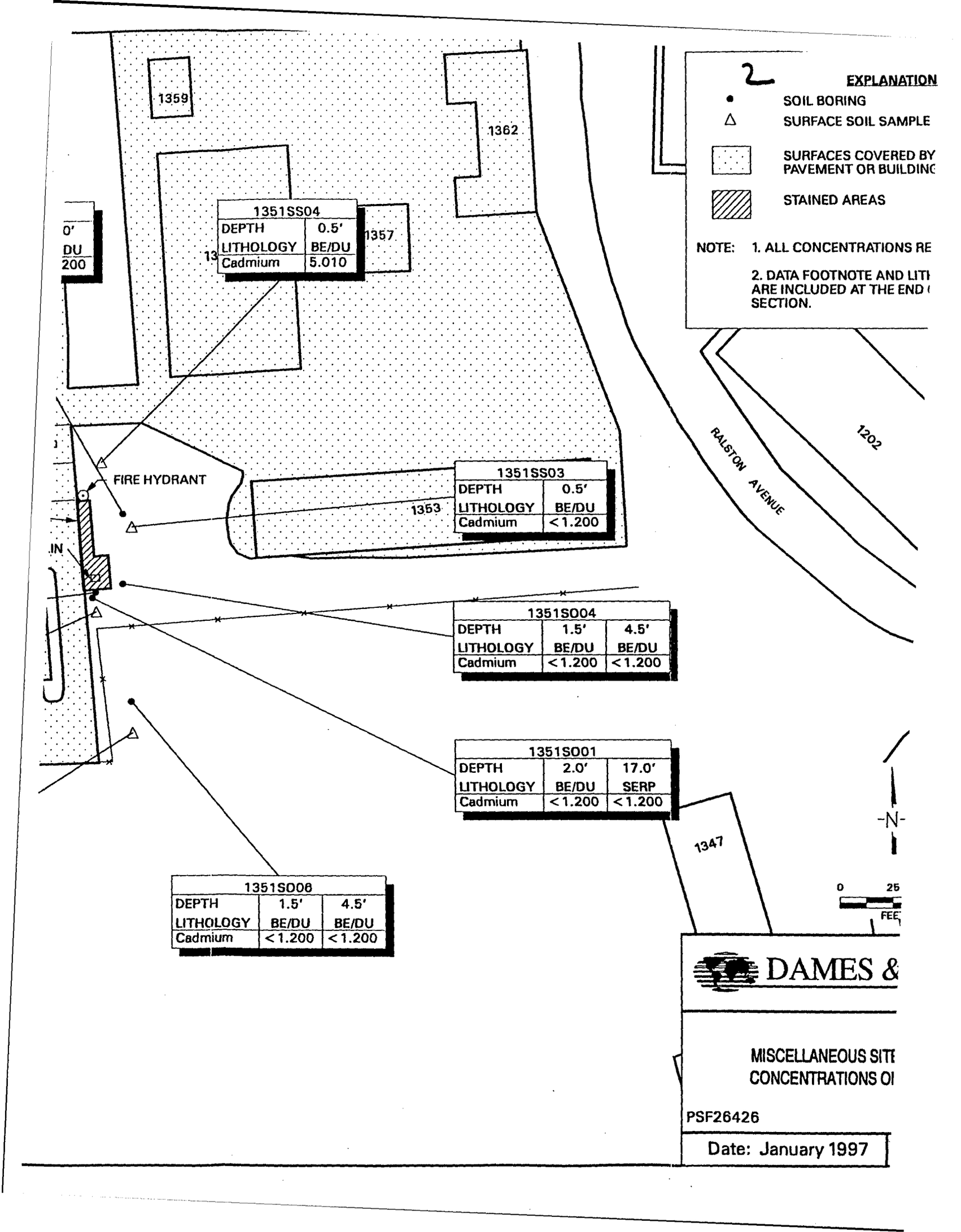
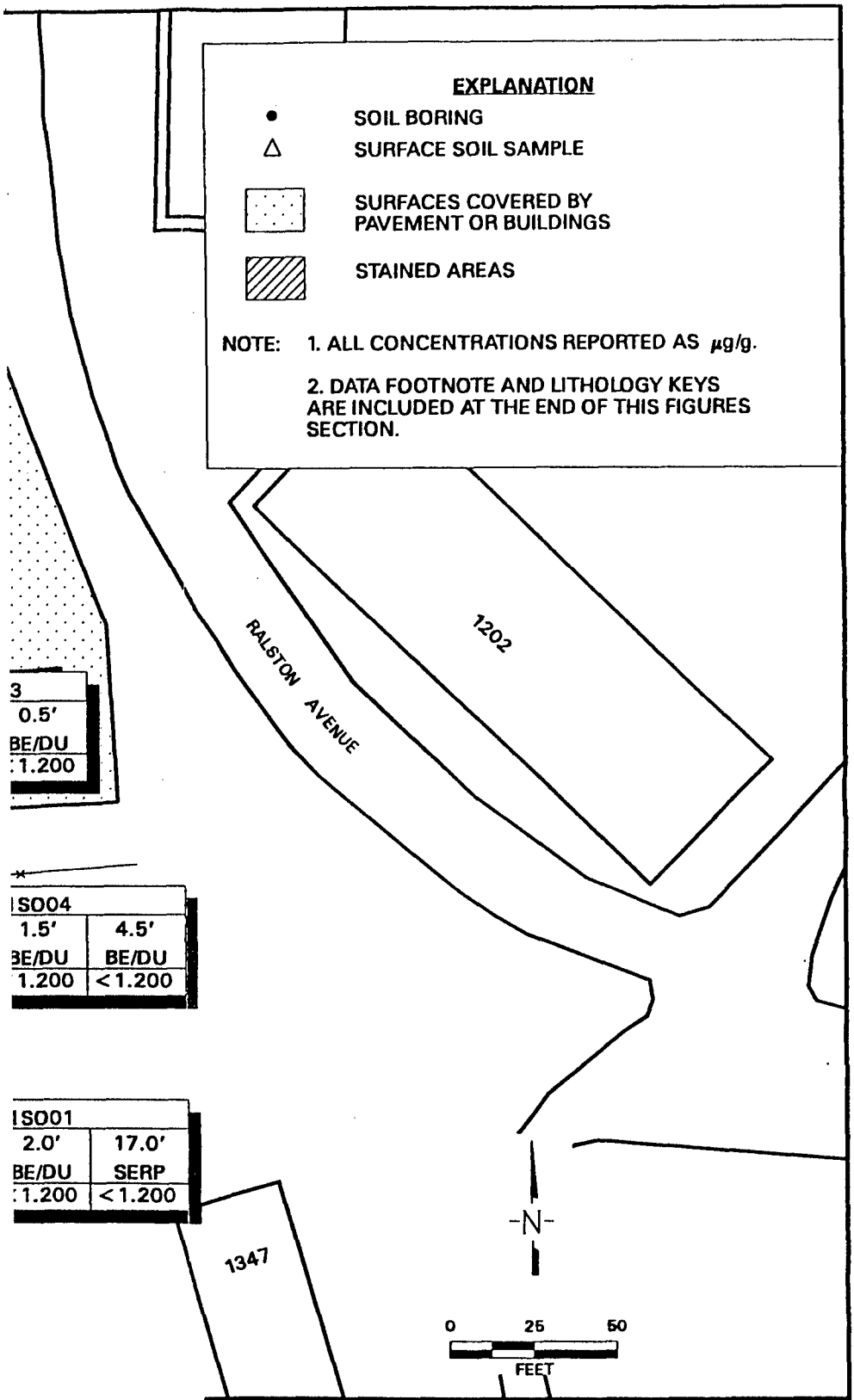


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

29 Aug 96 08:52:52 Thursda 11x17_v3.smt, pltdflt.hse_B1351_S_6.grn, PSF


2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACES COVERED BY PAVEMENT OR BUILDING
STAINED AREAS
NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END SECTION.
1359
1362
1357
1353
1347
1202
RAILSTON AVENUE
FIRE HYDRANT
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Cadmium 5.010
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Cadmium <1.200
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Cadmium <1.200 <1.200
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Cadmium <1.200 <1.200
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Cadmium <1.200 <1.200
-N-
0 25
FEE
DAMES &
MISCELLANEOUS SITE
CONCENTRATIONS OI
PSF26426
Date: January 1997



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26426

Date: January 1997

Figure 10.4-6

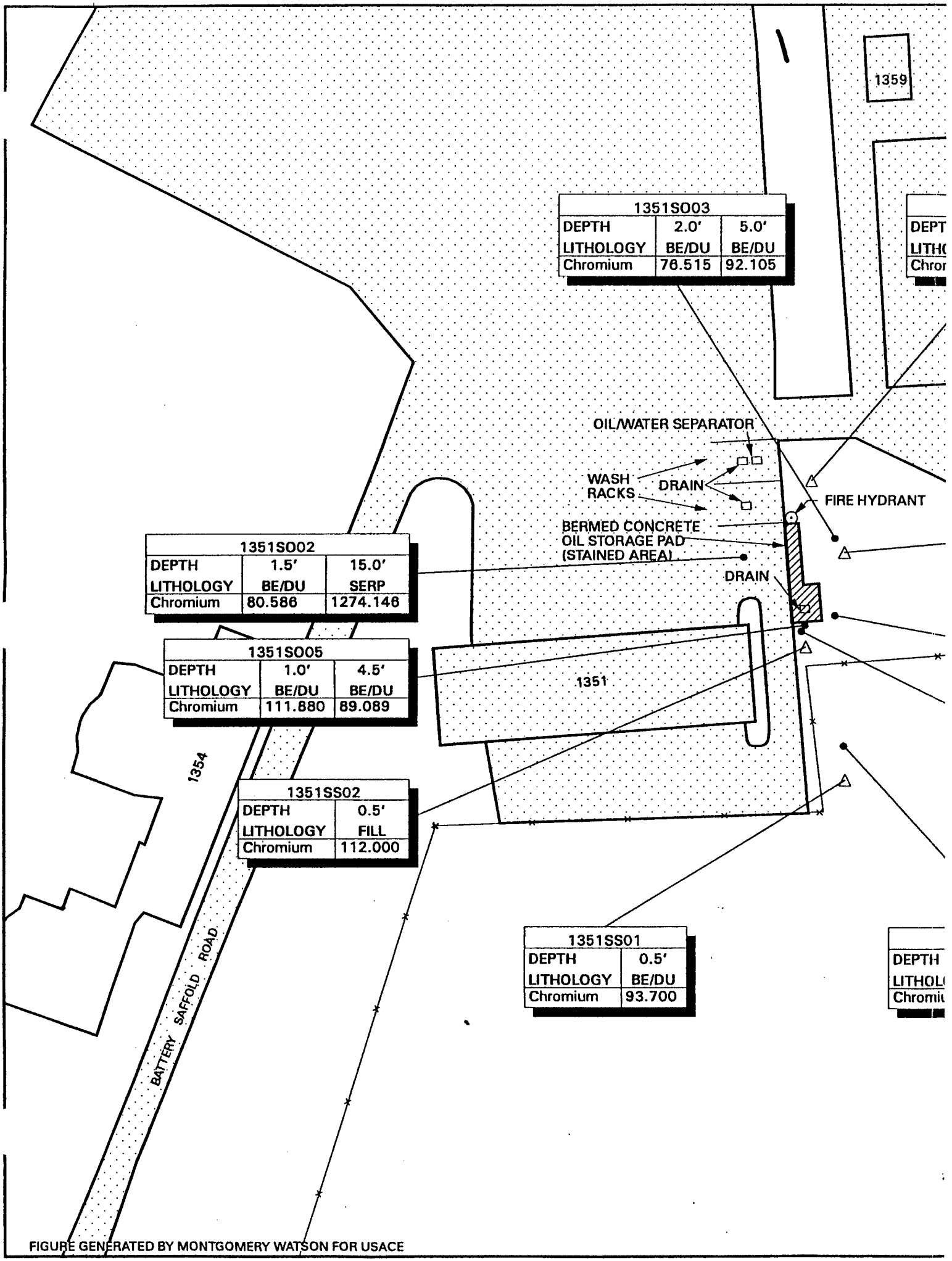
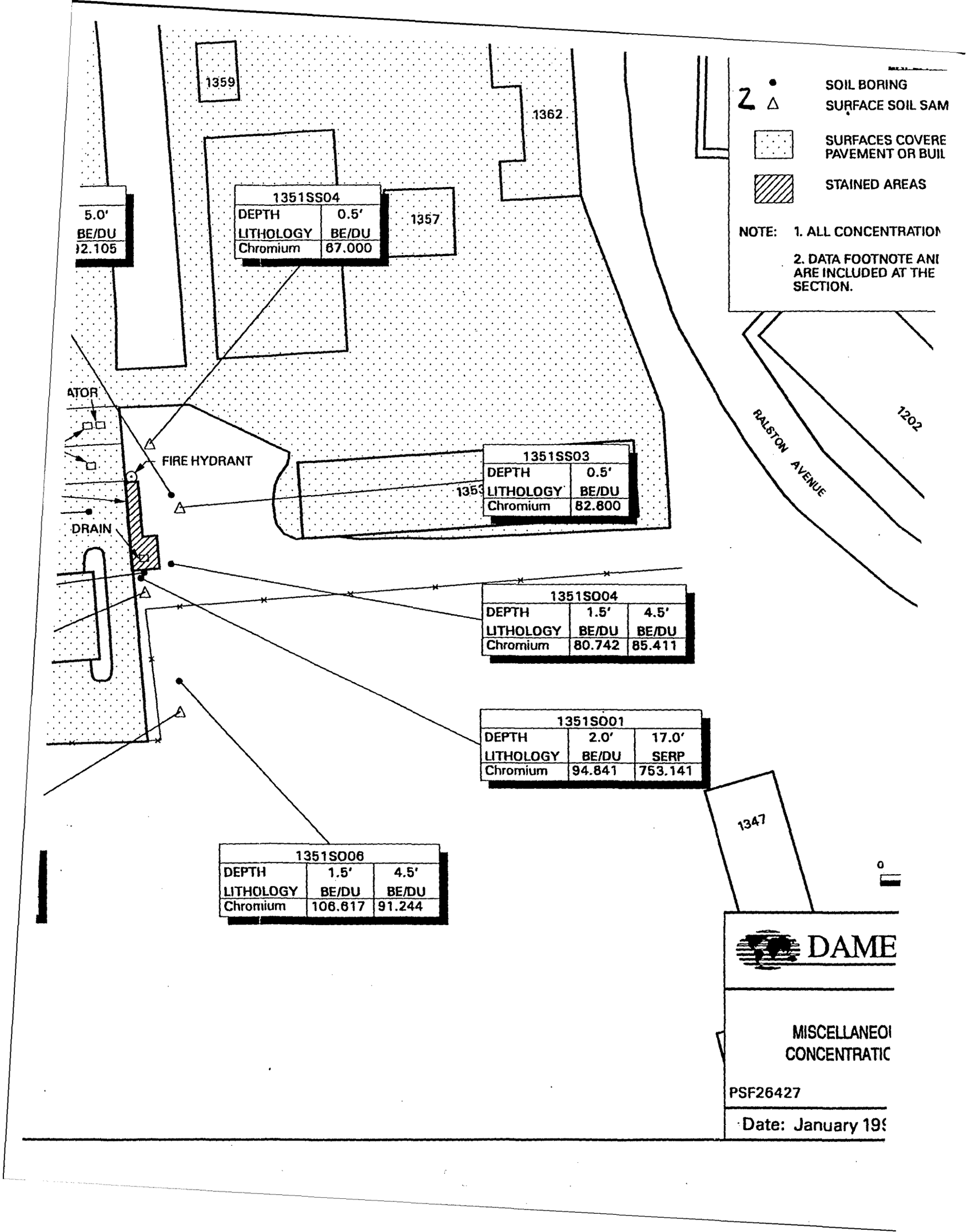
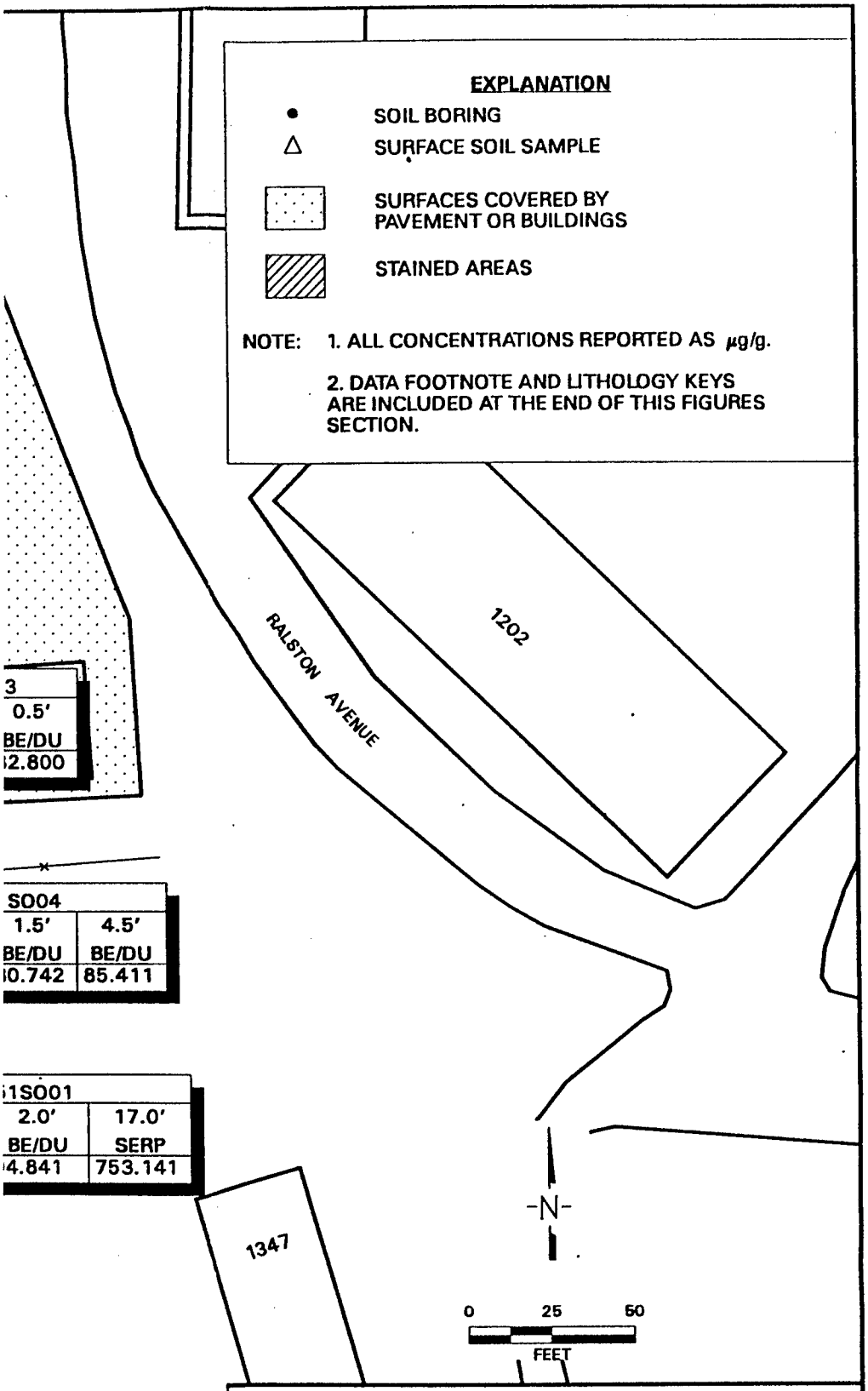


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

29 Aug 96 08:54:06 Thursday, ...17_v3.aml, pltdfile base_B1351_5_7.grn, PSF


1359
1362
1357
1353
1347
1202
RALSTON AVENUE
FIRE HYDRANT
DRAIN
ATOR
5.0'
BE/DU
92.105
SOIL BORING
SURFACE SOIL SAM
SURFACES COVERE
PAVEMENT OR BUIL
STAINED AREAS
NOTE: 1. ALL CONCENTRATION
2. DATA FOOTNOTE ANI
ARE INCLUDED AT THE
SECTION.
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Chromium 67.000
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Chromium 82.800
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Chromium 80.742 85.411
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Chromium 94.841 753.141
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Chromium 106.617 91.244
DAME
MISCELLANEOI
CONCENTRATIC
PSF26427
Date: January 19



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26427

Date: January 1997

Figure 10.4-7

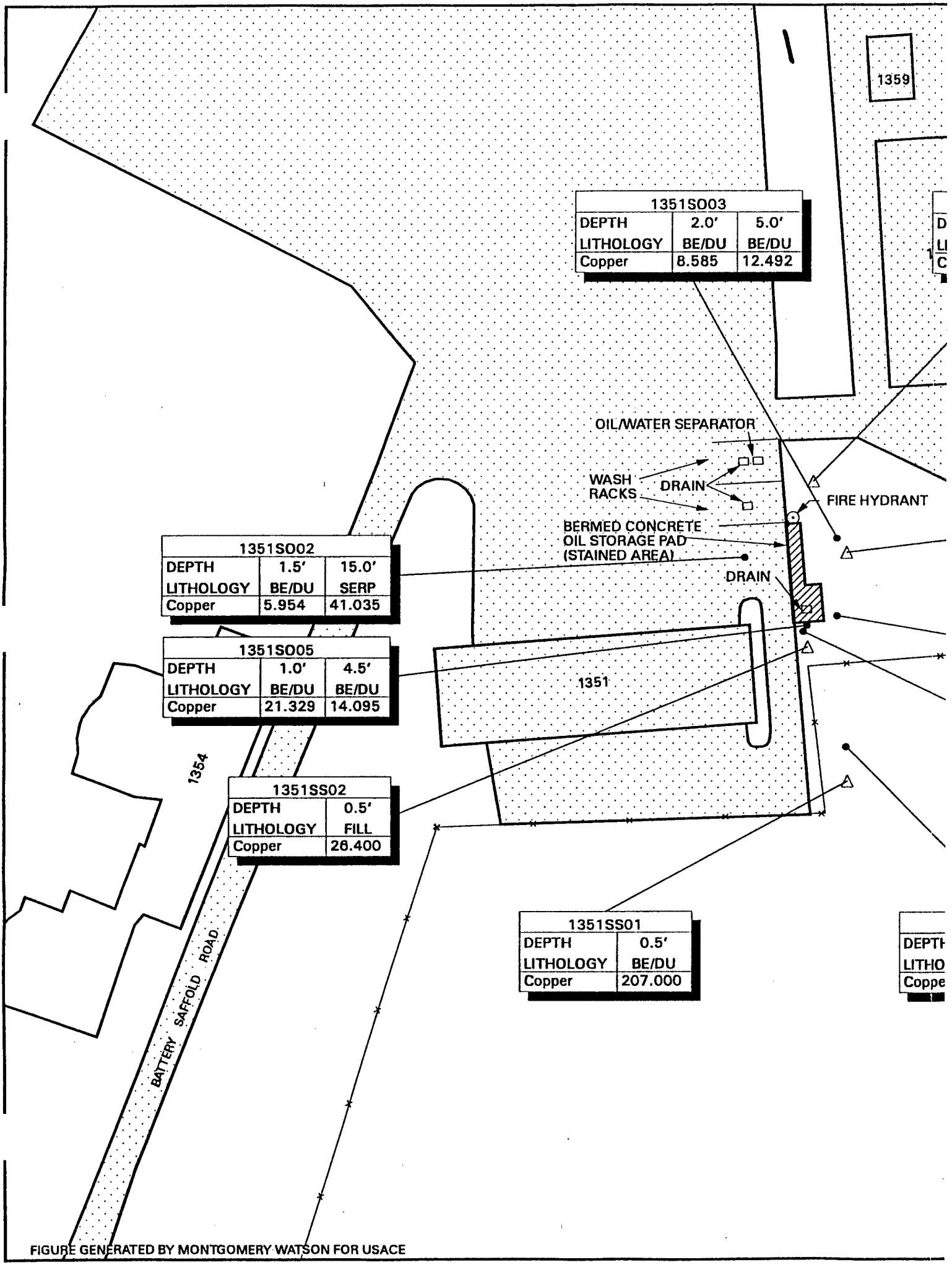
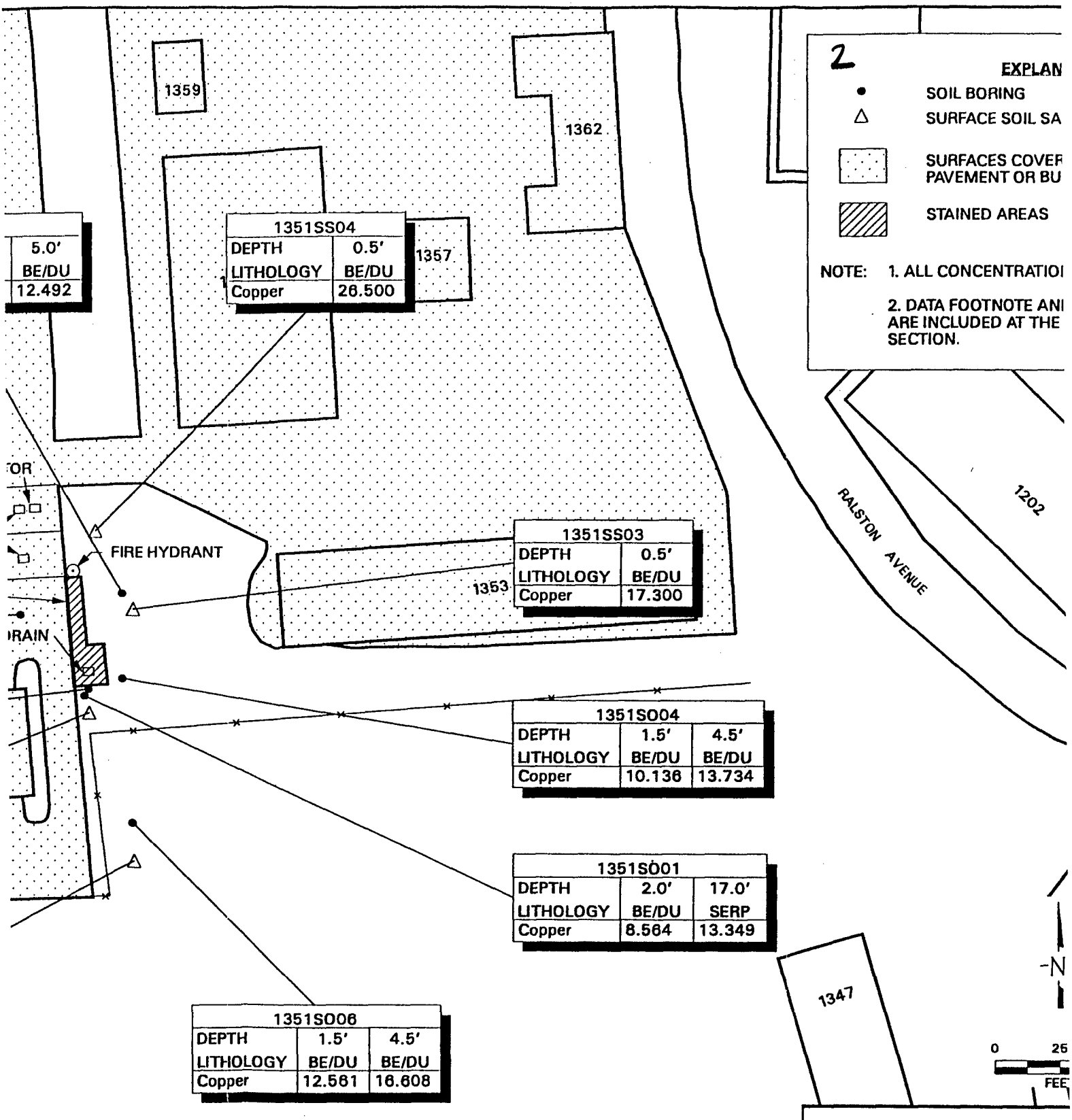
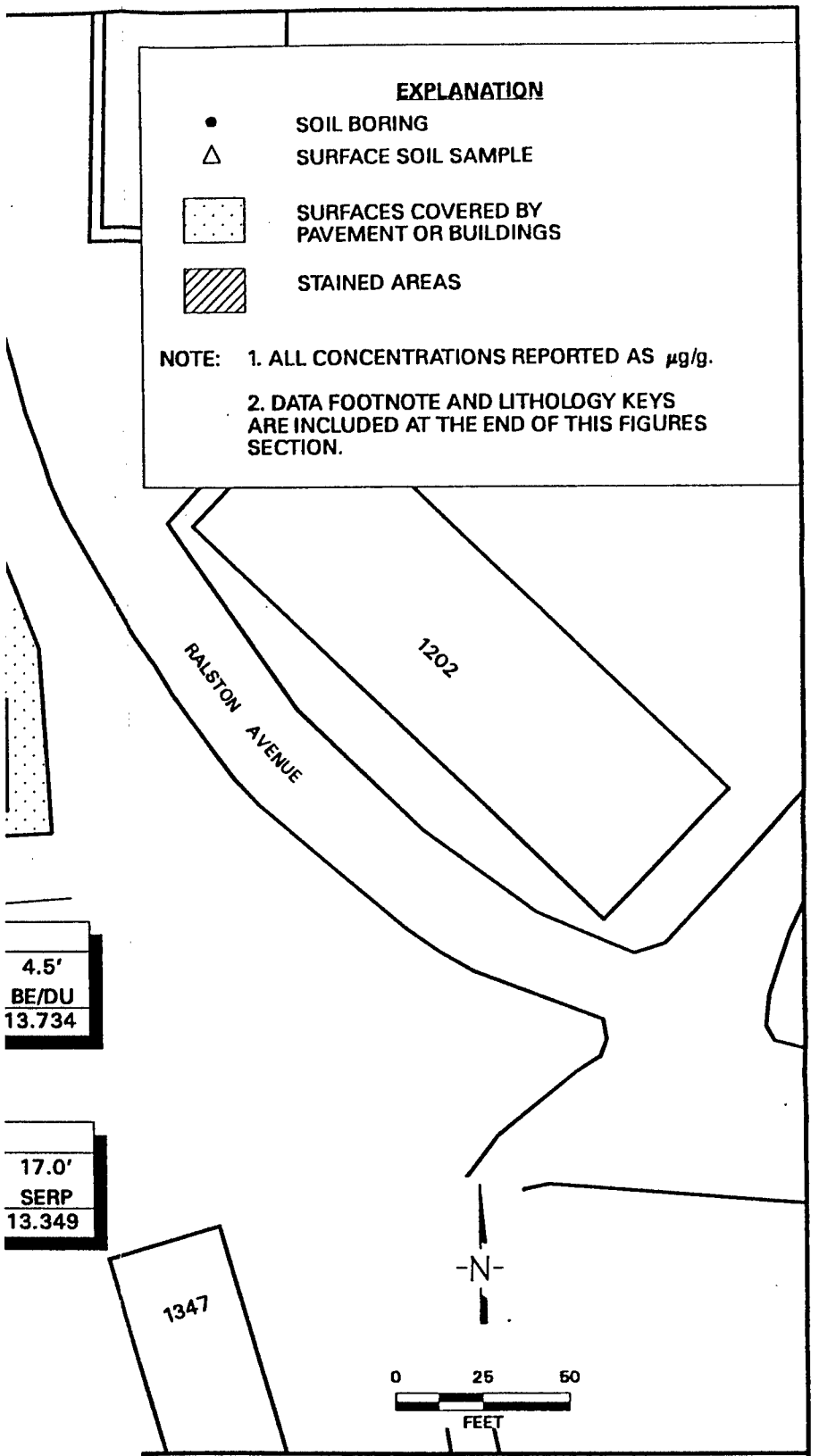


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

29 Aug 96 08:55:23 Thursday -17_v3.aml, plotfile base_B1351_S_9.grn, PSF


2
EXPLAN
SOIL BORING
SURFACE SOIL SA
SURFACES COVER PAVEMENT OR BU
STAINED AREAS
NOTE: 1. ALL CONCENTRATIOI
2. DATA FOOTNOTE ANI ARE INCLUDED AT THE SECTION.
1359
1362
1357
1353
1202
1347
RALSTON AVENUE
FIRE HYDRANT
5.0'
BE/DU
12.492
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Copper 26.500
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Copper 17.300
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Copper 10.136 13.734
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Copper 8.564 13.349
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Copper 12.561 16.608
N
0 25
FEE
DAMES &
MISCELLANEOUS SITE
CONCENTRATIONS OF
PSF26428
Date: January 1997



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF COPPER IN SOIL

PSF26428

Date: January 1997

Figure 10.4-8

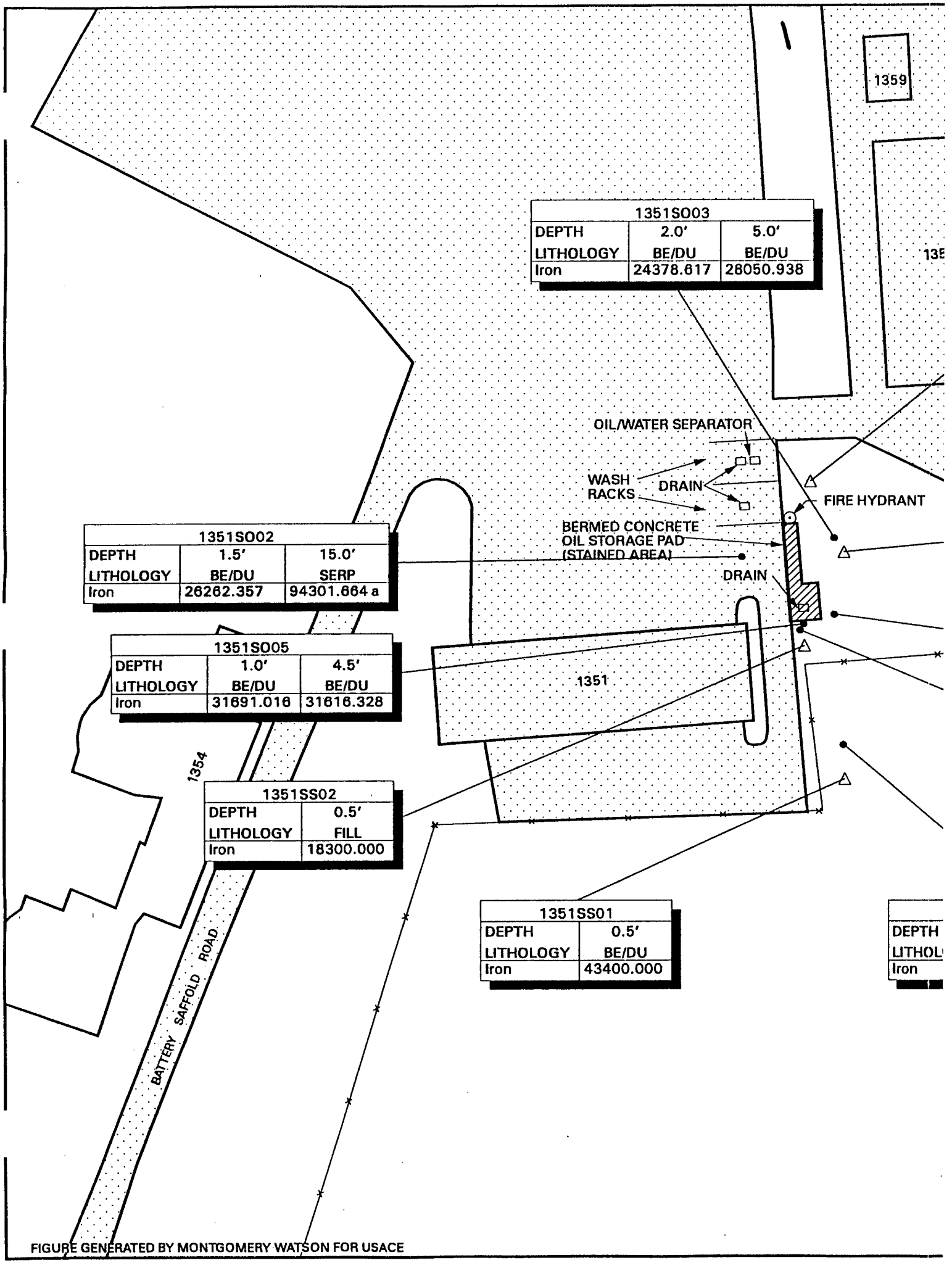
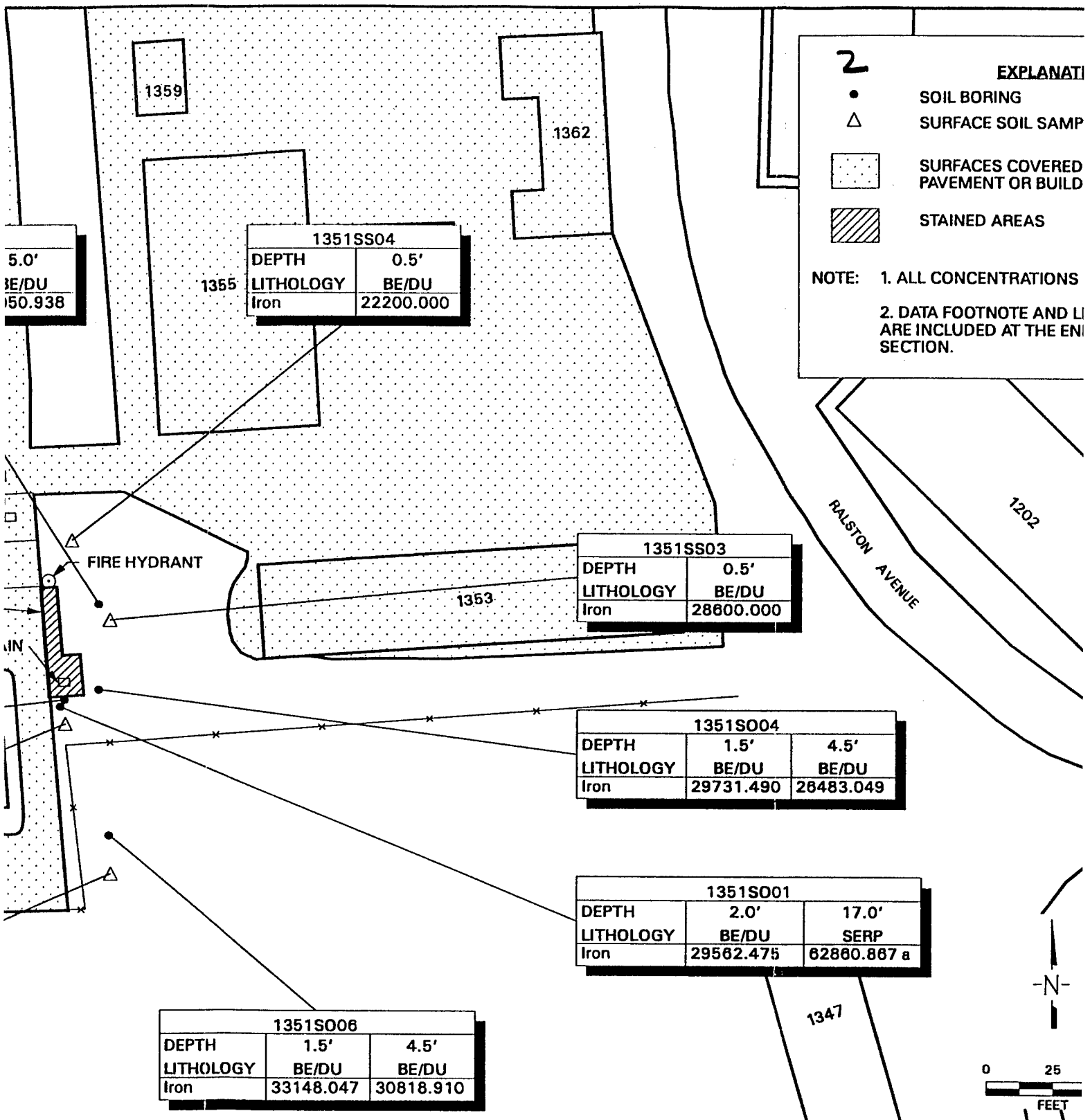


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

29 Aug 96 18:01:59 Thursday, '17_v3.aml, nkefile here_B1351_S_11.grn, PSF

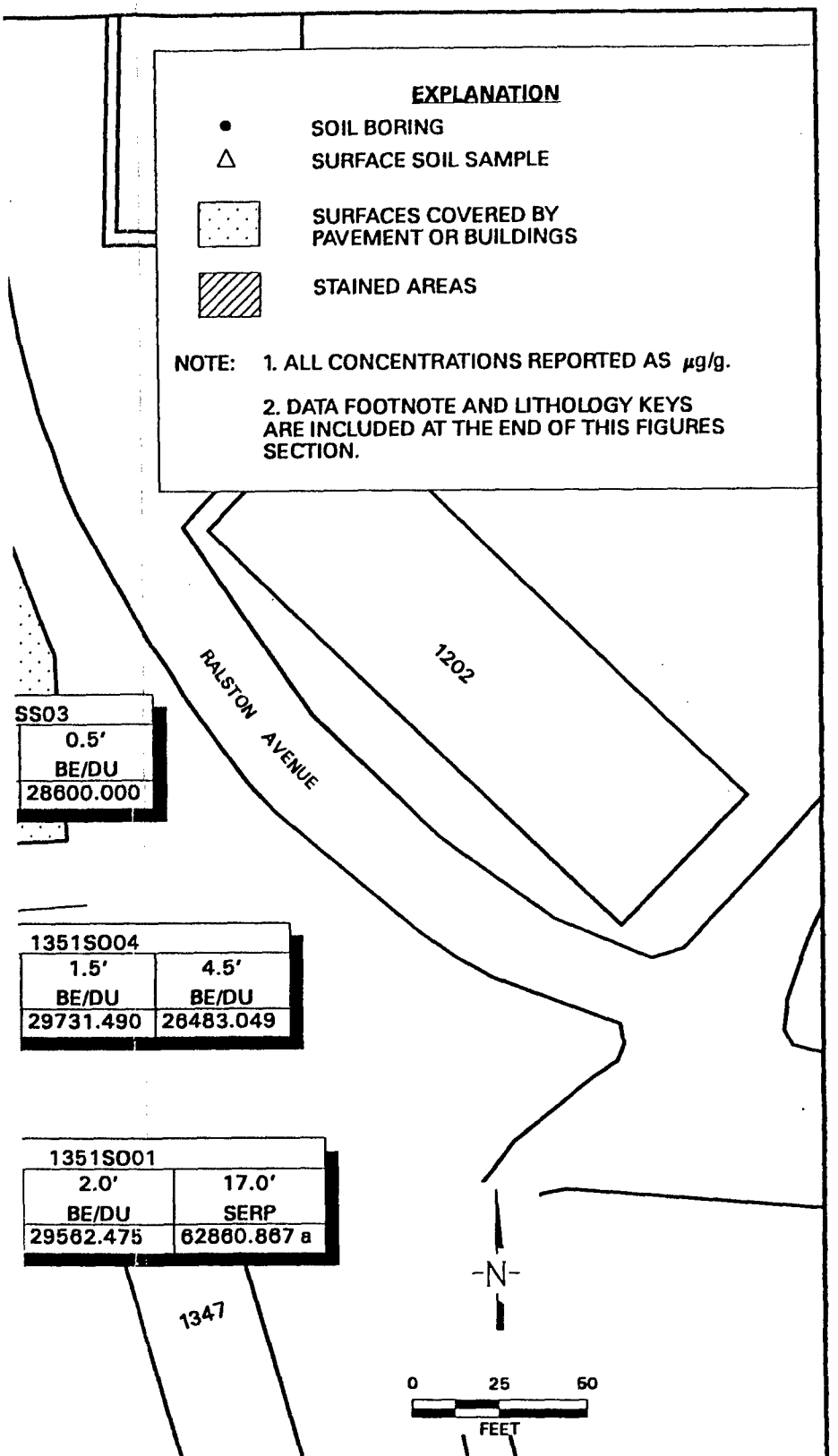


DAMES &

MISCELLANEOUS SITES -
CONCENTRATIONS OF

PSF26429

Date: January 1997



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF IRON IN SOIL

PSF26429

Date: January 1997

Figure 10.4-9

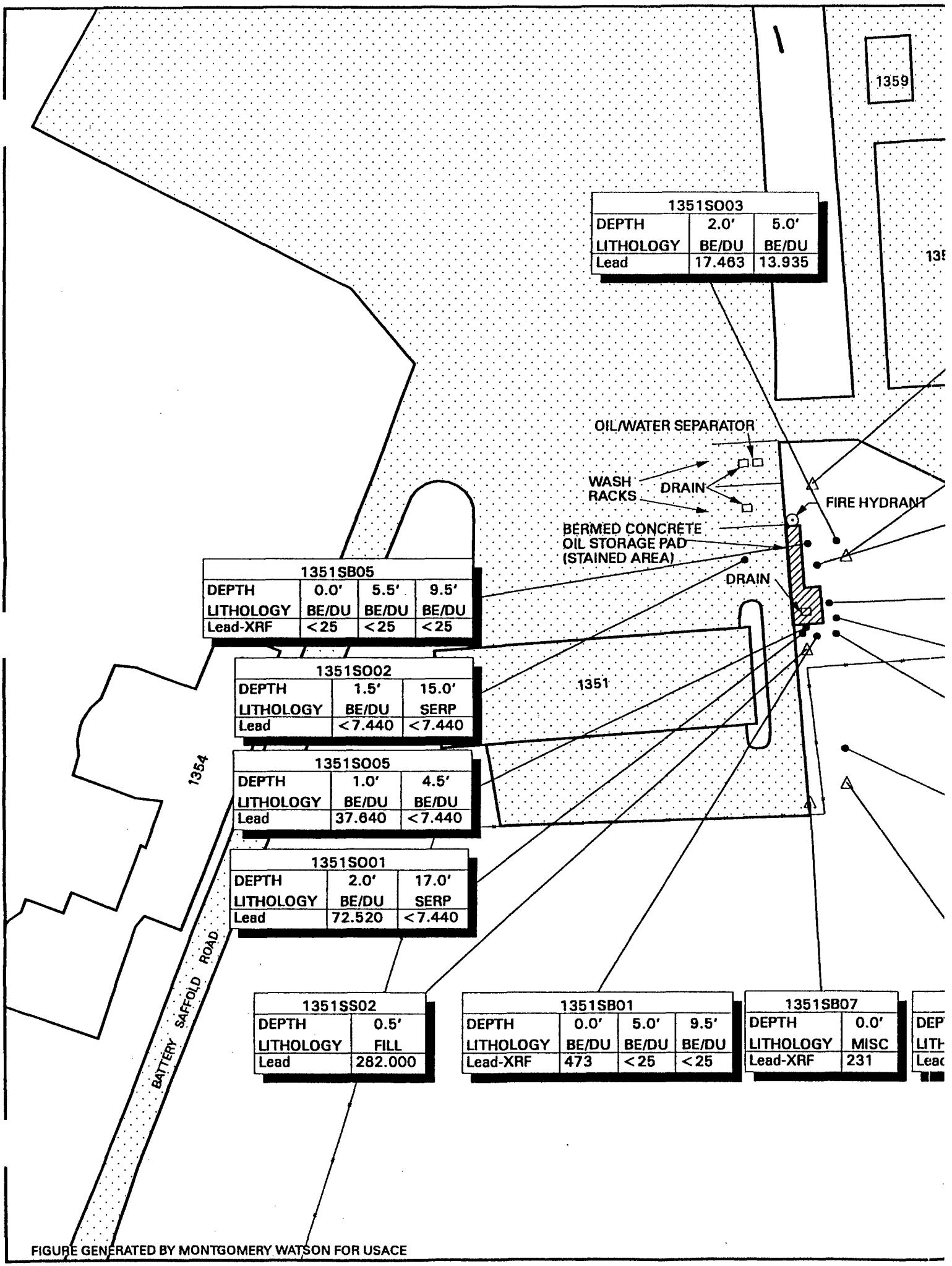
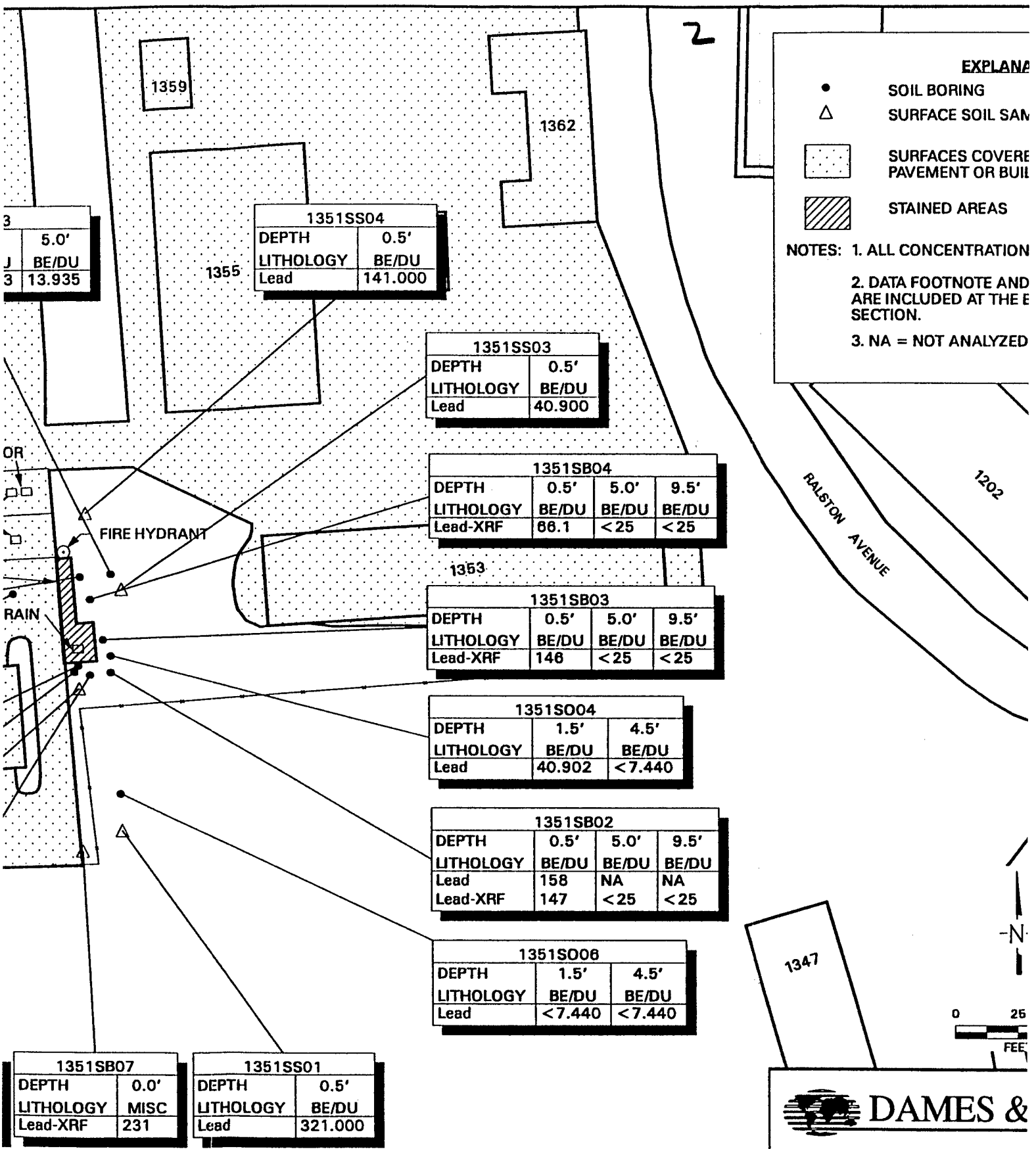


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

13 Sep 96 15:56:13 Friday, h



	5.0'
J	BE/DU
3	13.935

1351SS04		
DEPTH	0.5'	
LITHOLOGY	BE/DU	
Lead	141.000	

1351SS03	
DEPTH	0.5'
LITHOLOGY	BE/DU
Lead	40.900

1351SB04			
DEPTH	0.5'	5.0'	9.5'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead-XRF	66.1	<25	<25

1351SB03			
DEPTH	0.5'	5.0'	9.5'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead-XRF	146	<25	<25

1351SO04		
DEPTH	1.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Lead	40.902	<7.440

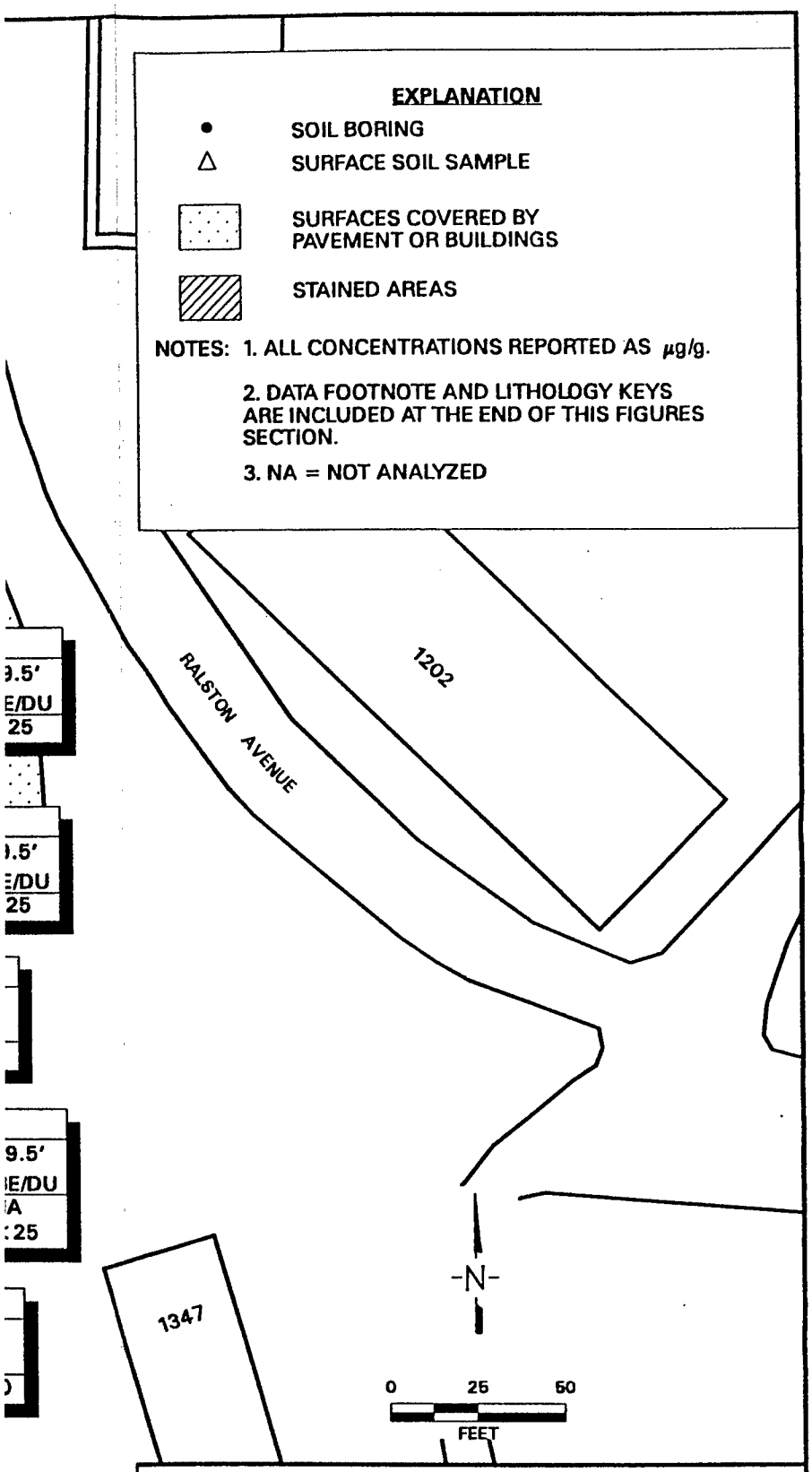
1351SB02			
DEPTH	0.5'	5.0'	9.5'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead	158	NA	NA
Lead-XRF	147	<25	<25

1351SO06		
DEPTH	1.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Lead	<7.440	<7.440

1351SB07	
DEPTH	0.0'
LITHOLOGY	MISC
Lead-XRF	231

1351SS01	
DEPTH	0.5'
LITHOLOGY	BE/DU
Lead	321.000

3



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF LEAD IN SOIL

PSF26432

Date: January 1997

Figure 10.4-10

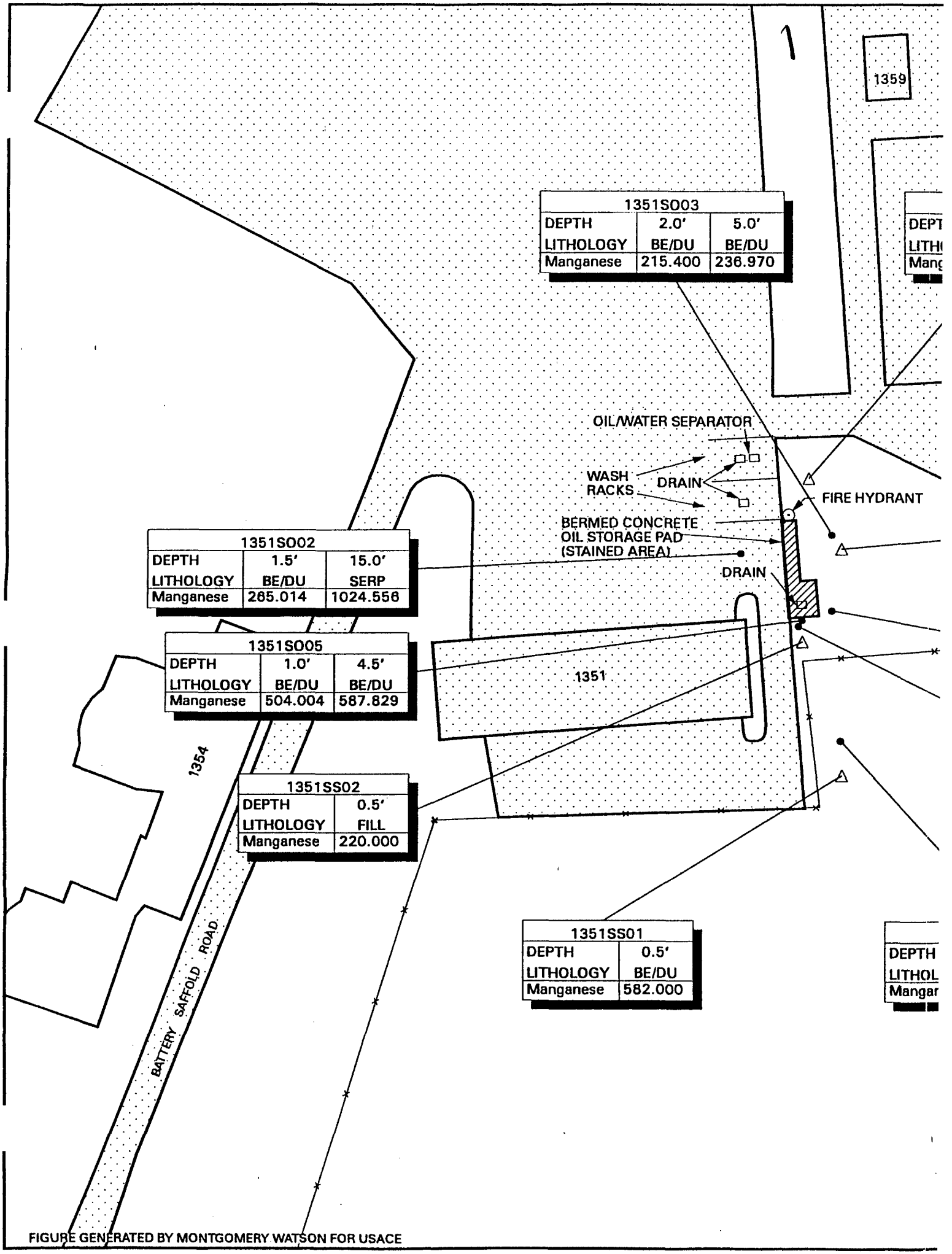
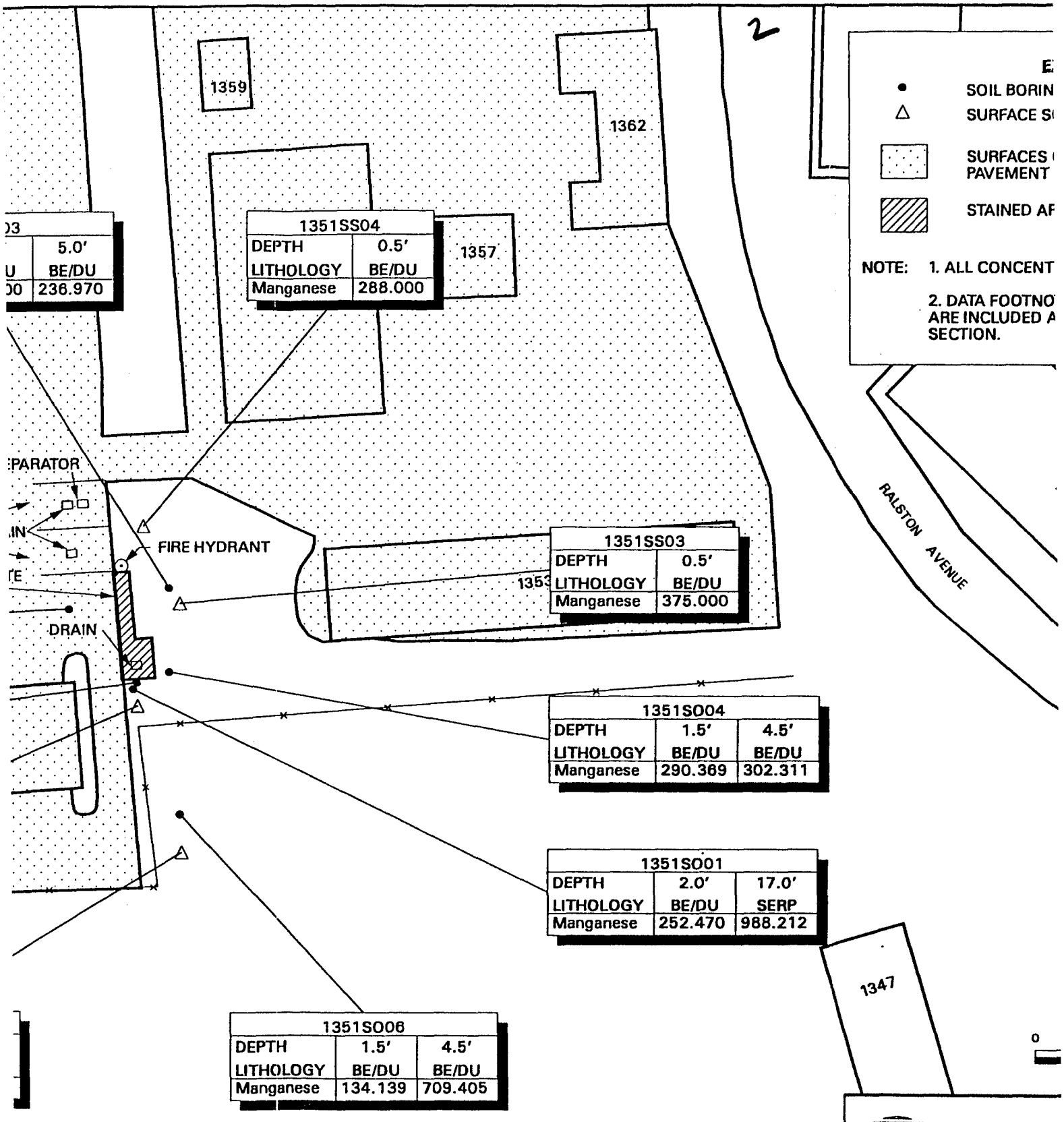
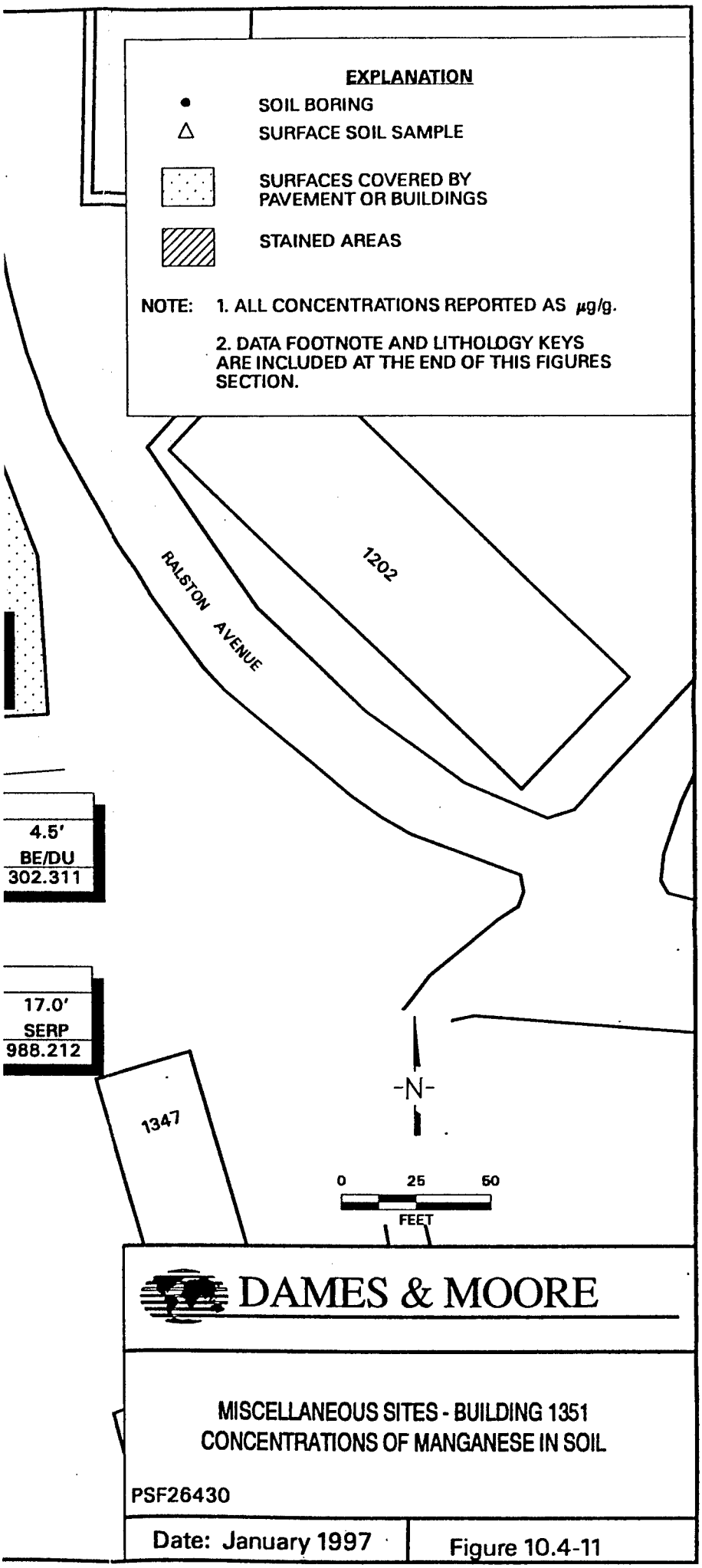


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

29 Aug 96 08:59:25 Thursday \17_v3.aml, pltdfile hsec_B1351_S_14.grn, PSF


1359
1362
1357
1347
2
E
SOIL BORIN
SURFACE S
SURFACES
PAVEMENT
STAINED AF
NOTE: 1. ALL CONCENT
2. DATA FOOTNO
ARE INCLUDED A
SECTION.
RALSTON AVENUE
FIRE HYDRANT
DRAIN
PARATOR
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Manganese 288.000
03
5.0'
U BE/DU
00 236.970
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Manganese 375.000
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Manganese 290.369 302.311
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Manganese 252.470 988.212
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Manganese 134.139 709.405
DAME
MISCELLANEOUS
CONCENTRATIONS
PSF26430
Date: January 1997

3



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26430

Date: January 1997

Figure 10.4-11

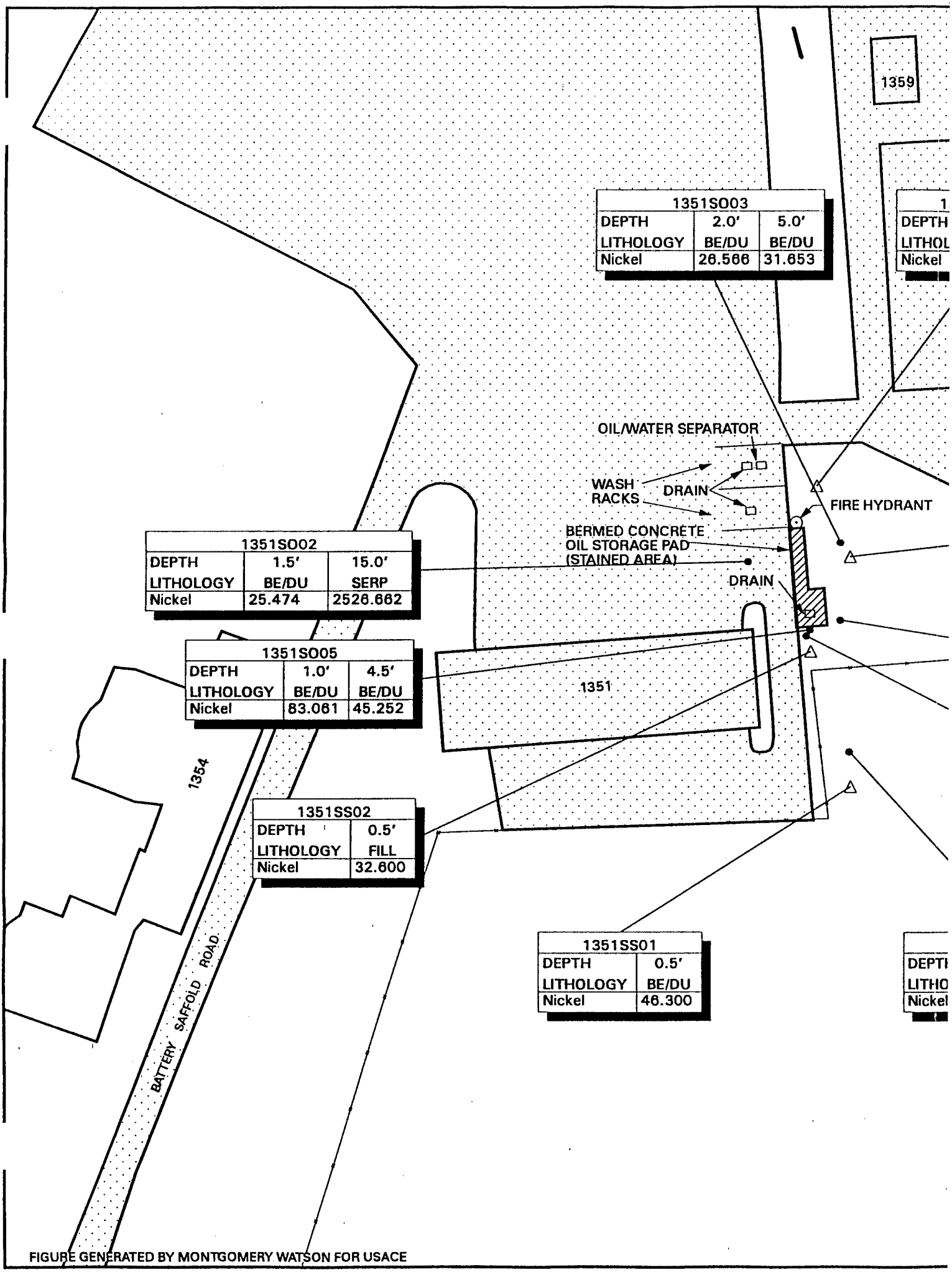
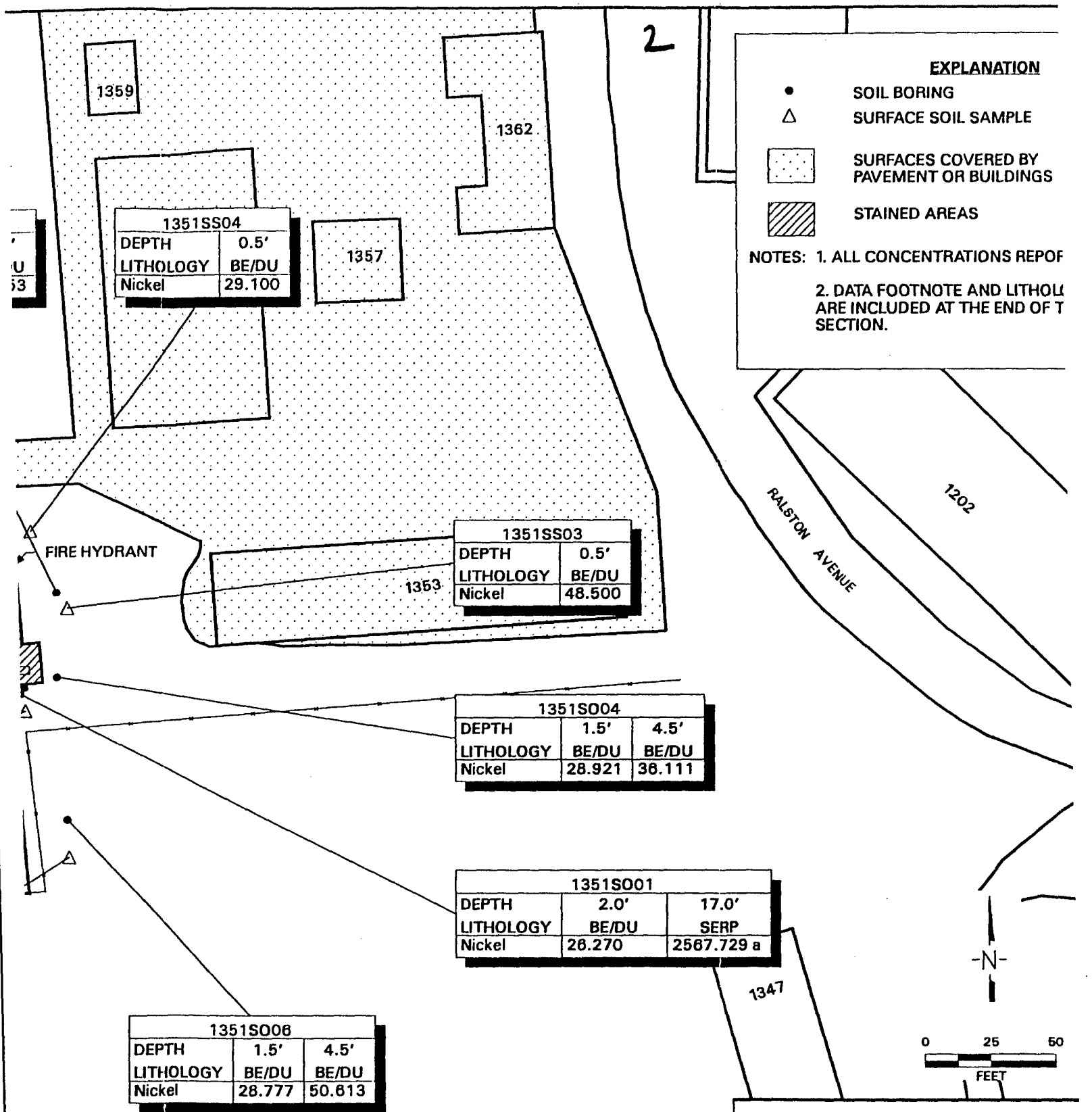


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

13 Sep 96 13:25:32 Friday, fr



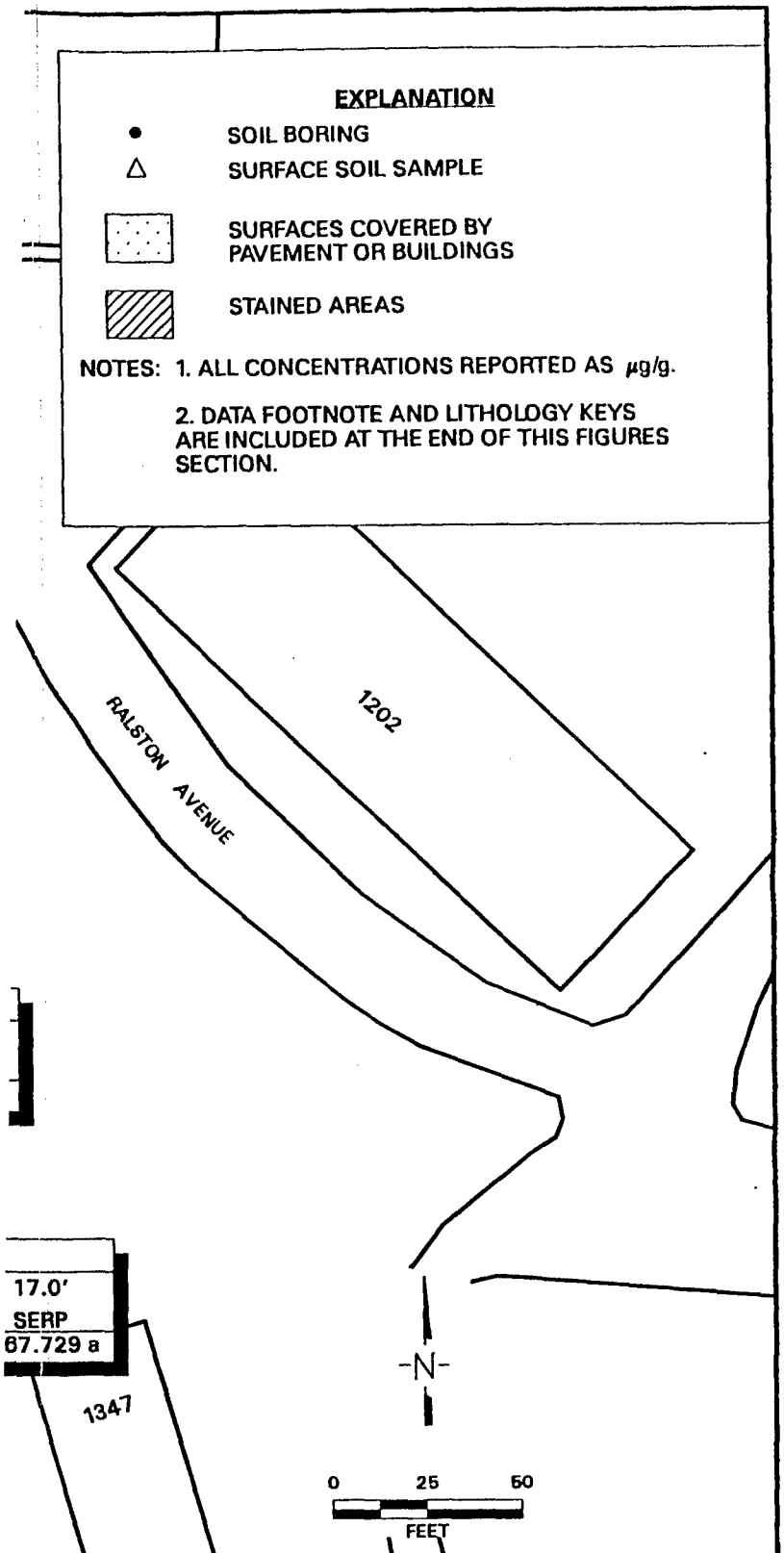
DAMES & MO

MISCELLANEOUS SITES - BUILD
CONCENTRATIONS OF NICKEL

PSF26431

Date: January 1997 | Figure

3



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF NICKEL IN SOIL

PSF26431

Date: January 1997

Figure 10.4-12

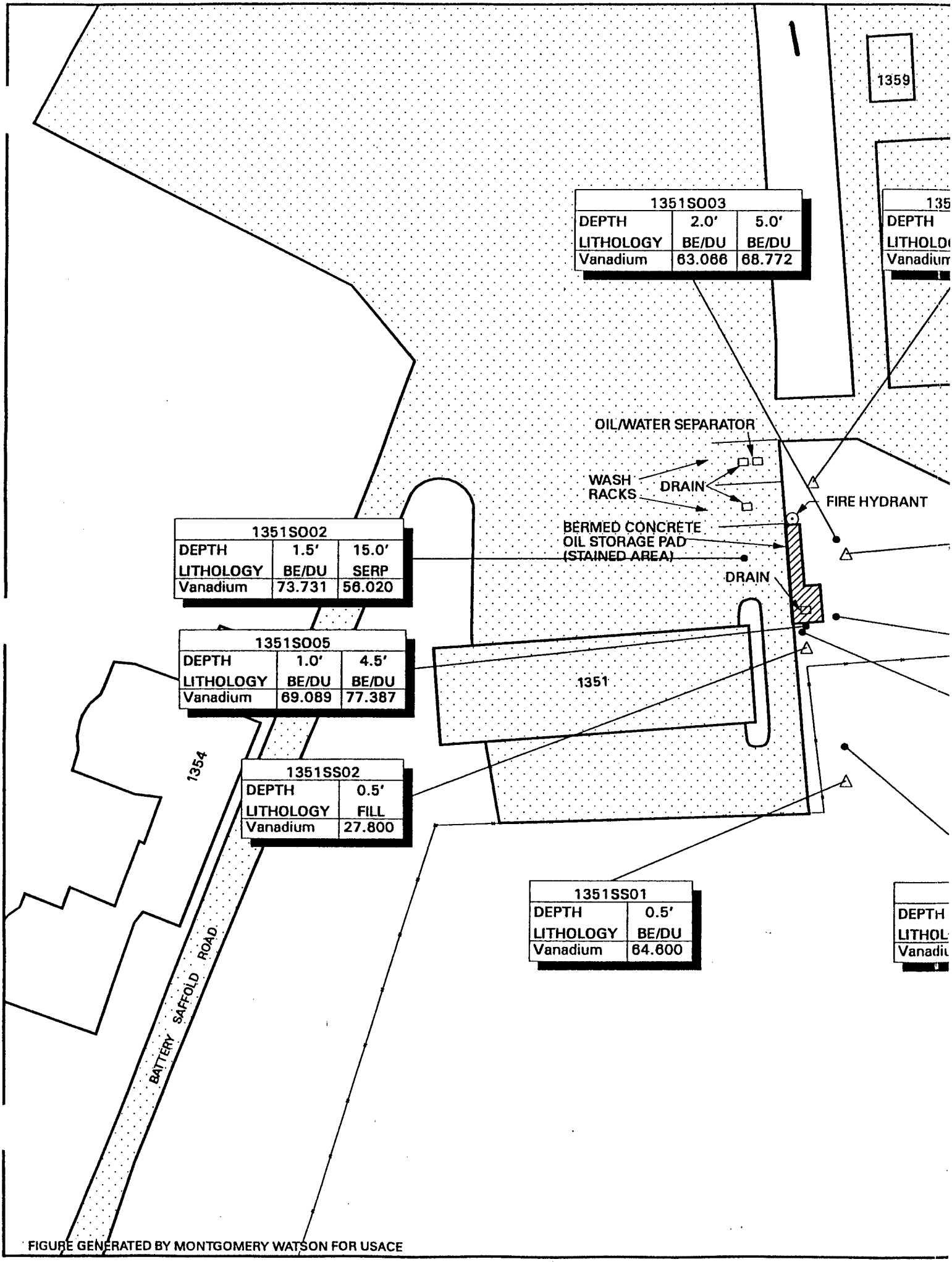
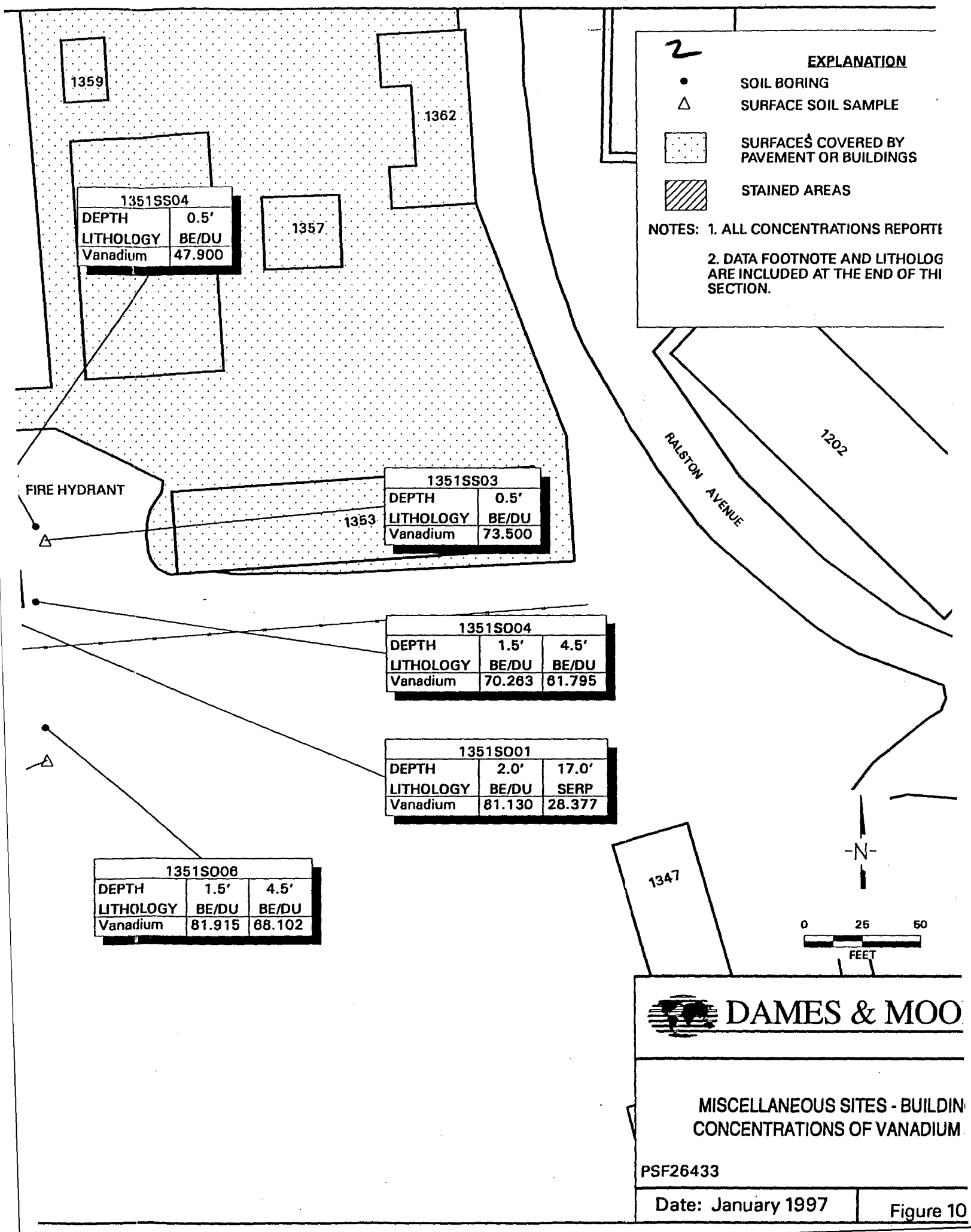


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

13 Sep 96 13:33:13 Friday, here v:\arnt, pkt\fig here_B1351_S_20.grn, PSF



DAMES & MOO

MISCELLANEOUS SITES - BUILDIN
CONCENTRATIONS OF VANADIUM

PSF26433

Date: January 1997

Figure 10

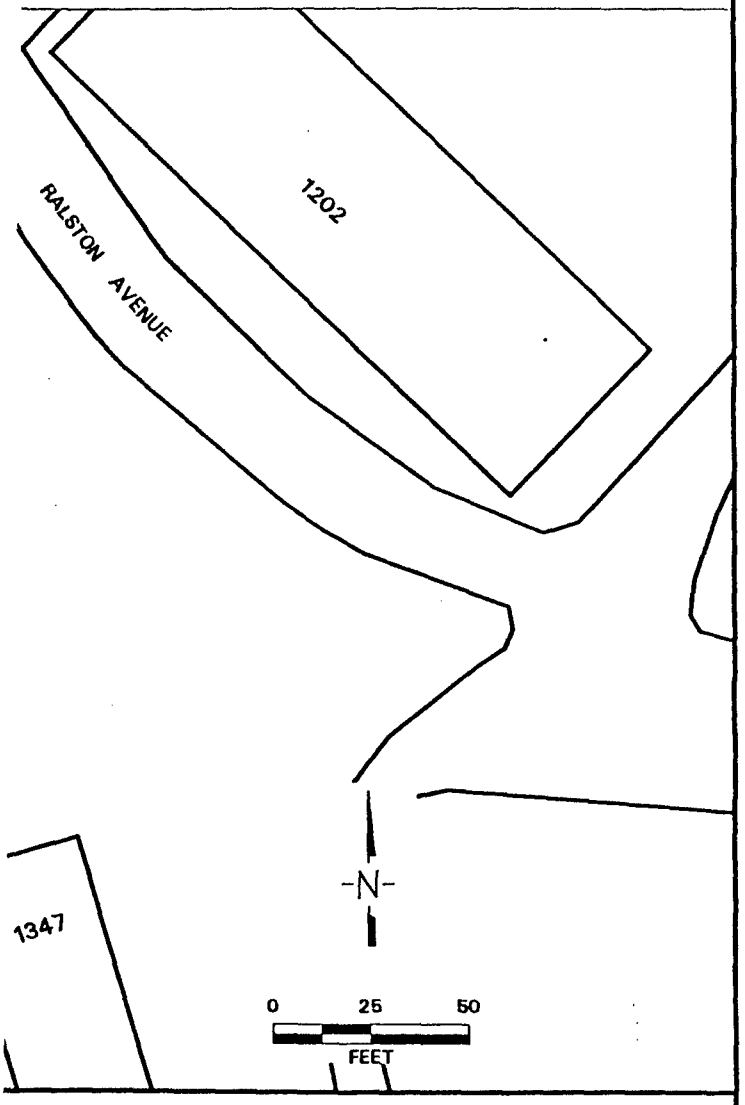
3

EXPLANATION

- ● SOIL BORING
- △ SURFACE SOIL SAMPLE
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF VANADIUM IN SOIL

PSF26433

Date: January 1997

Figure 10.4-13

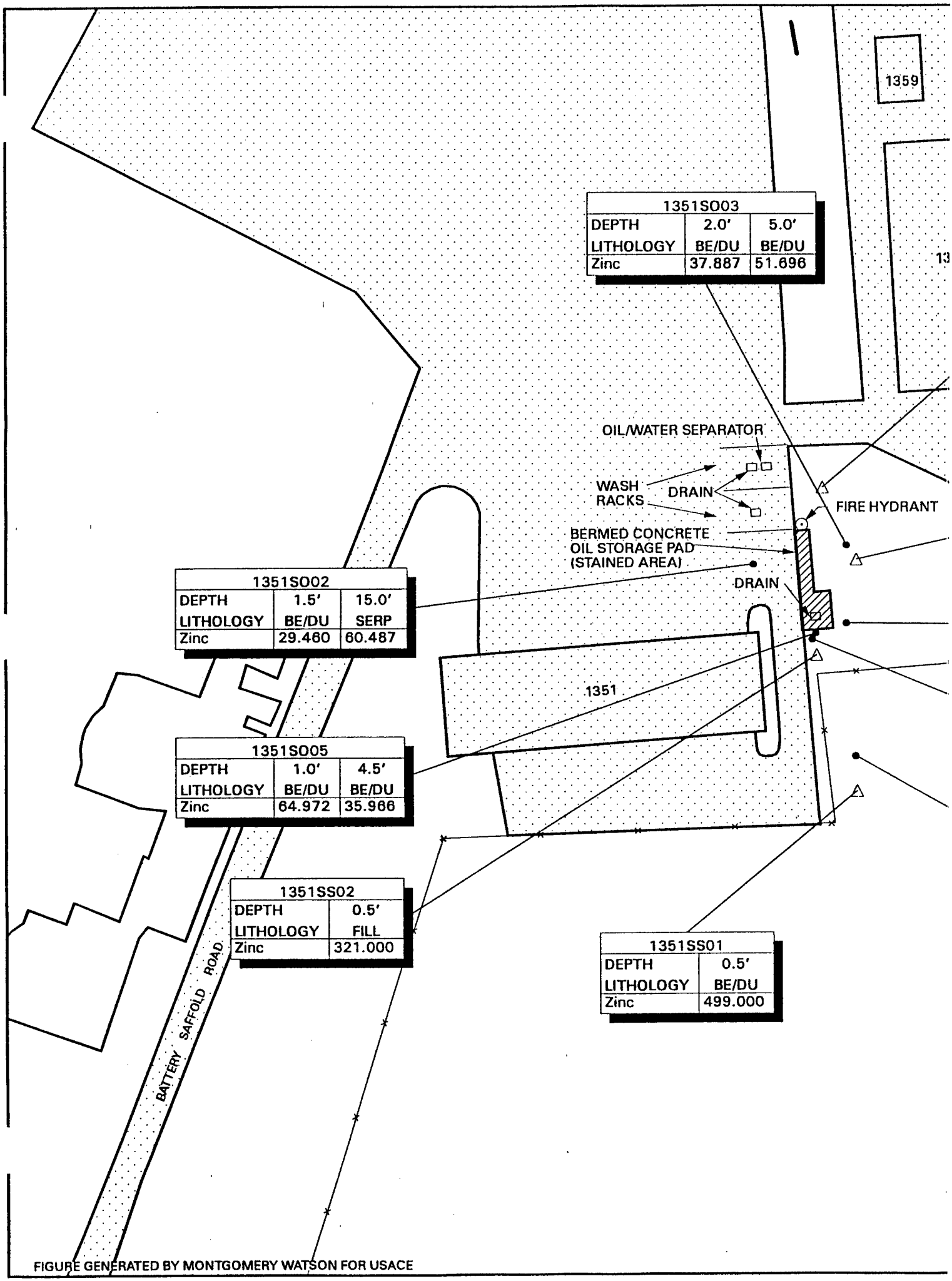
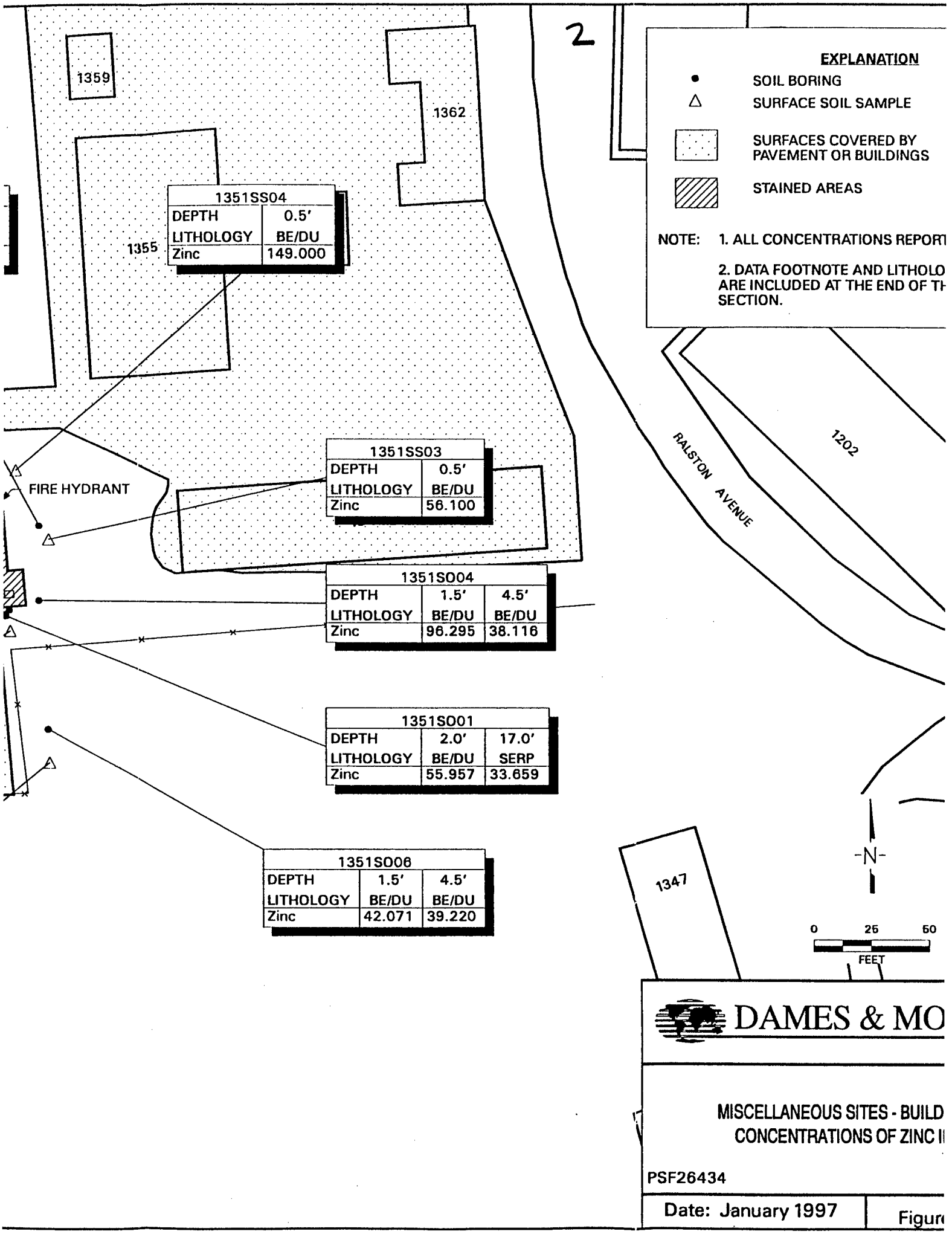
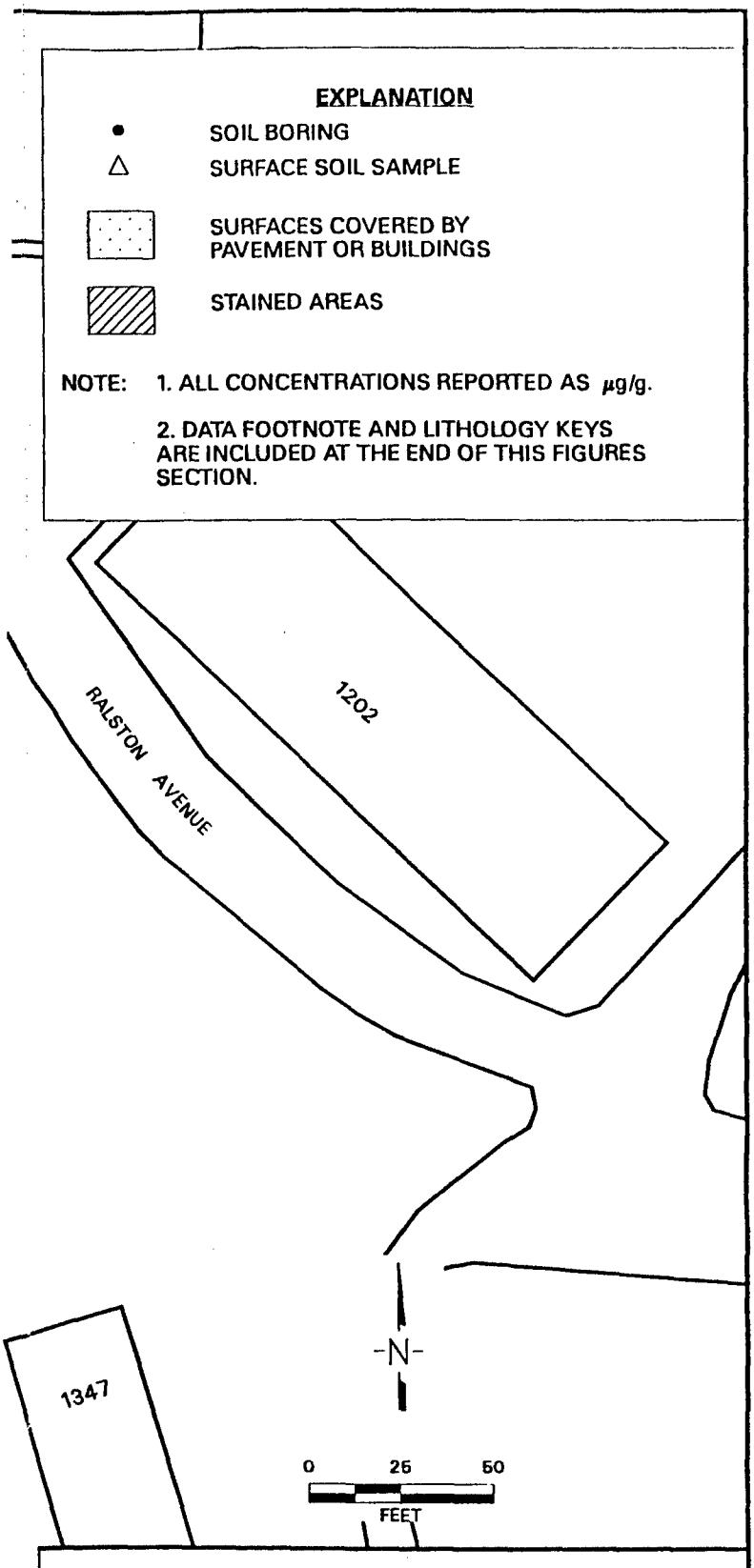


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

'7_v3.aml, pltefile base_B1351_S_21.grn, PSF
29 Aug 96 09:06:39 Thursday


2
EXPLANATION
SOIL BORING
SURFACE SOIL SAMPLE
SURFACES COVERED BY PAVEMENT OR BUILDINGS
STAINED AREAS
NOTE: 1. ALL CONCENTRATIONS REPORT
2. DATA FOOTNOTE AND LITHOLO ARE INCLUDED AT THE END OF TH SECTION.
1359
1362
1355
1202
RALSTON AVENUE
FIRE HYDRANT
1347
1351SS04
DEPTH 0.5'
LITHOLOGY BE/DU
Zinc 149.000
1351SS03
DEPTH 0.5'
LITHOLOGY BE/DU
Zinc 56.100
1351SO04
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Zinc 96.295 38.116
1351SO01
DEPTH 2.0' 17.0'
LITHOLOGY BE/DU SERP
Zinc 55.957 33.659
1351SO06
DEPTH 1.5' 4.5'
LITHOLOGY BE/DU BE/DU
Zinc 42.071 39.220
-N-
0 25 50
FEET
DAMES & MO
MISCELLANEOUS SITES - BUILD
CONCENTRATIONS OF ZINC I
PSF26434
Date: January 1997
Figur

3



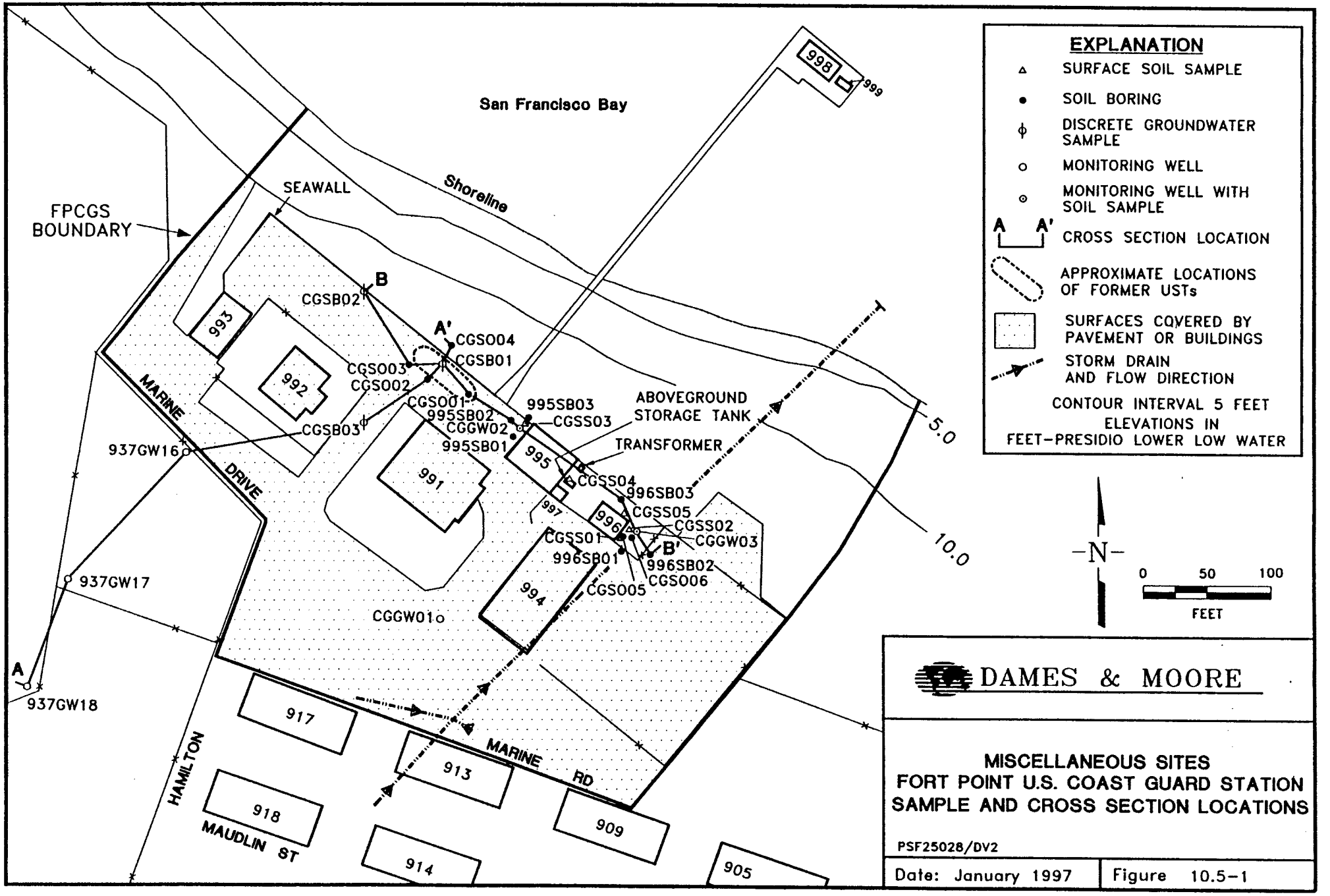
DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF ZINC IN SOIL

PSF26434

Date: January 1997

Figure 10.4-14

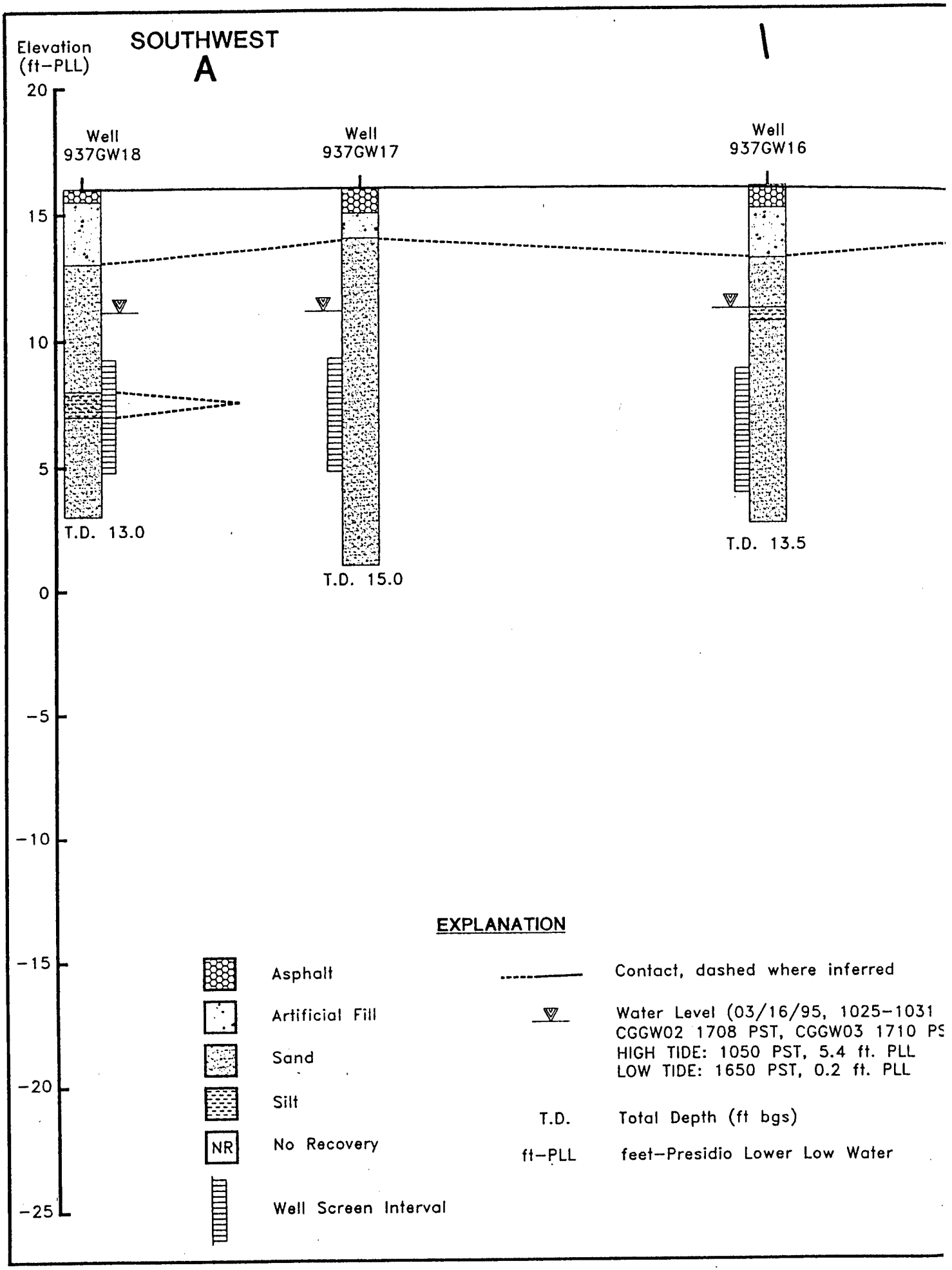


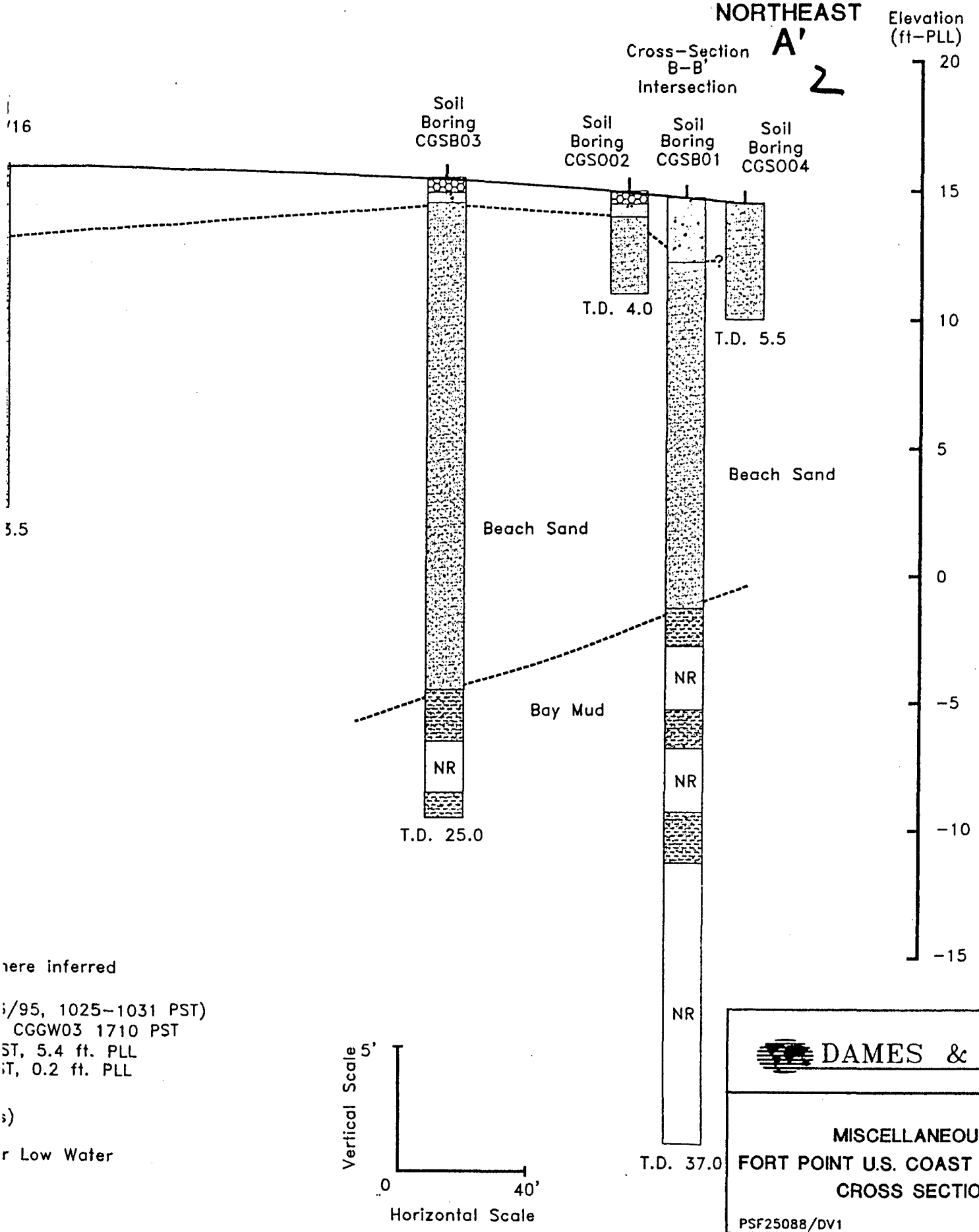
DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
SAMPLE AND CROSS SECTION LOCATIONS

PSF25028/DV2

Date: January 1997 | Figure 10.5-1


SOUTHWEST
A
Elevation
(ft-PLL)
20
15
10
5
0
-5
-10
-15
-20
-25
Well
937GW18
Well
937GW17
Well
937GW16
T.D. 13.0
T.D. 15.0
T.D. 13.5
EXPLANATION
Asphalt
Artificial Fill
Sand
Silt
NR
No Recovery
Well Screen Interval
Contact, dashed where inferred
Water Level (03/16/95, 1025-1031
CGGW02 1708 PST, CGGW03 1710 PS
HIGH TIDE: 1050 PST, 5.4 ft. PLL
LOW TIDE: 1650 PST, 0.2 ft. PLL
T.D.
Total Depth (ft bgs)
ft-PLL
feet-Presidio Lower Low Water



here inferred

/95, 1025-1031 PST)
CGGW03 1710 PST
ST, 5.4 ft. PLL
T, 0.2 ft. PLL

s)

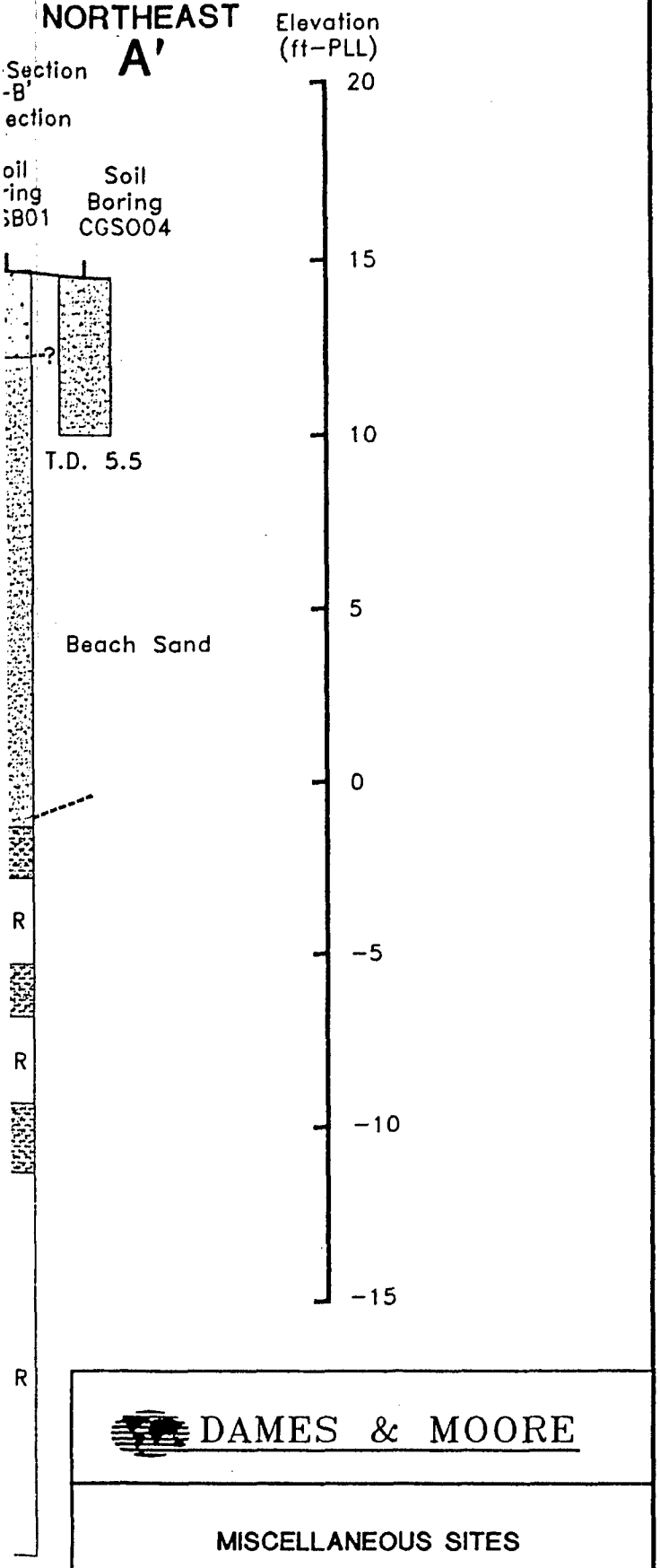
r Low Water

DAMES & MC

MISCELLANEOUS SIT
FORT POINT U.S. COAST GUAF
CROSS SECTION A

PSF25088/DV1

Date: January 1997 | Figure

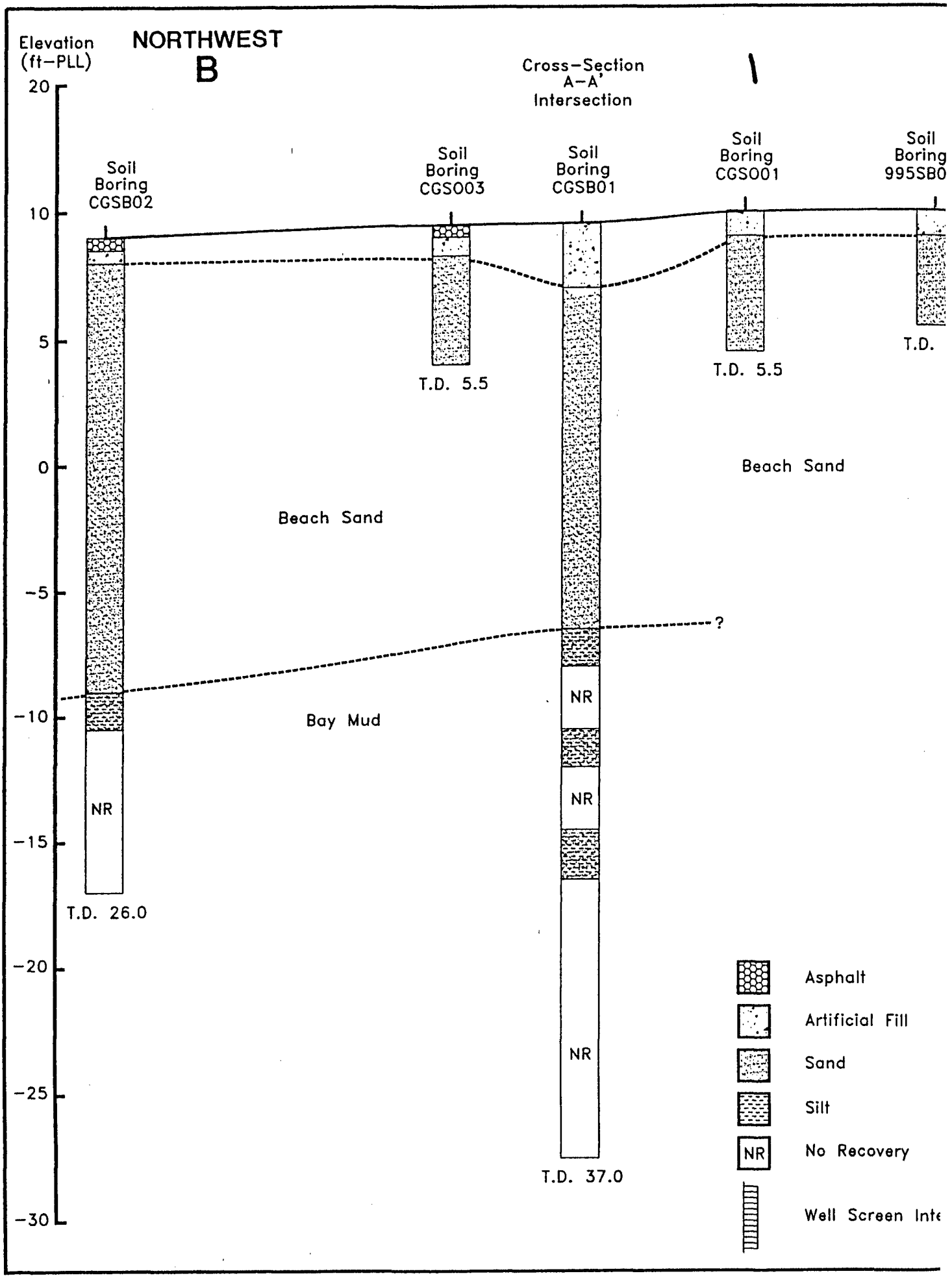


DAMES & MOORE

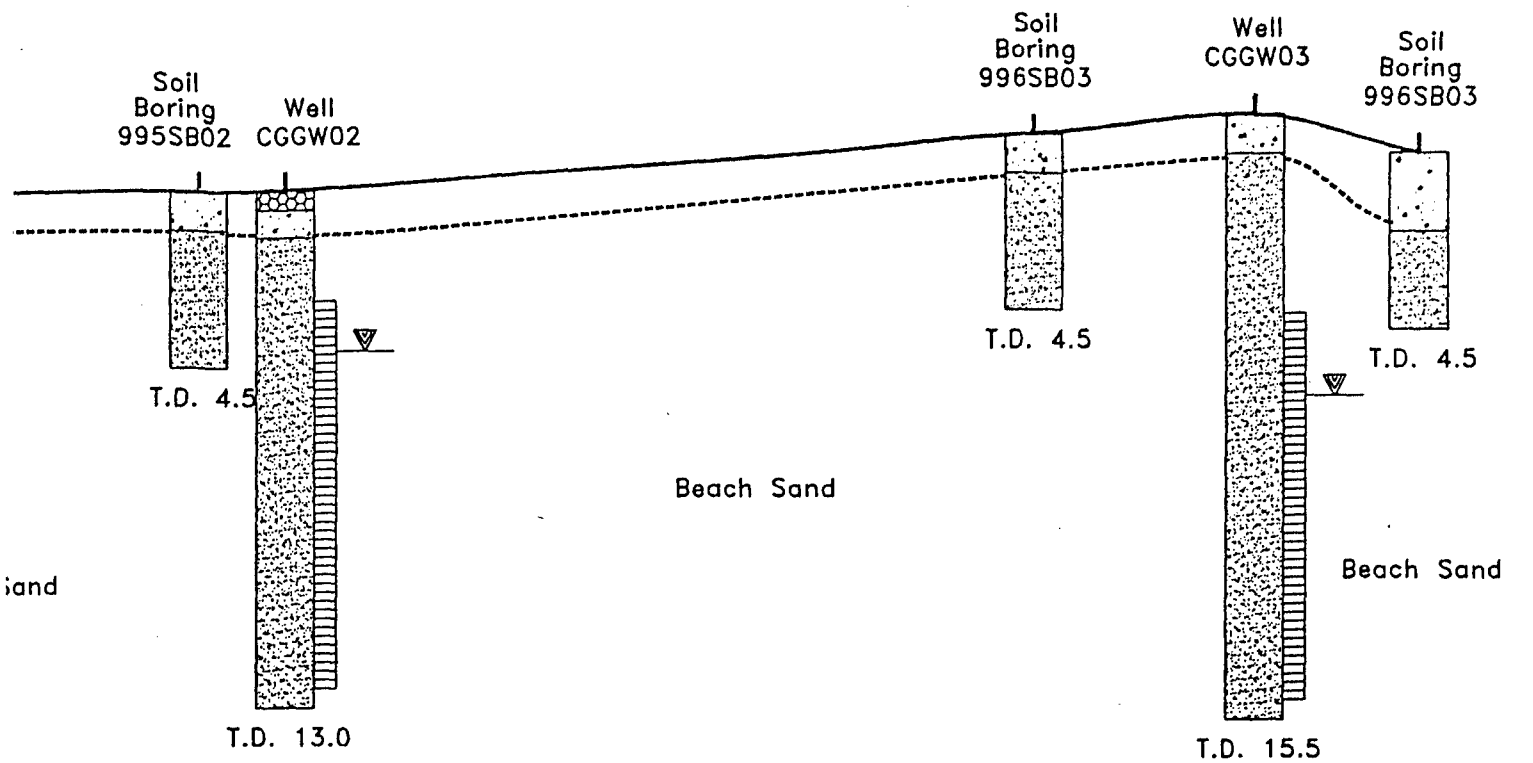
MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CROSS SECTION A-A'

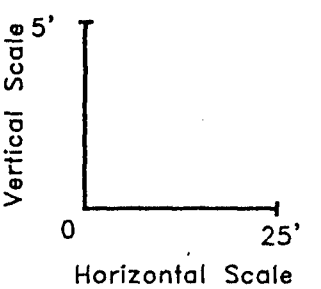
PSF25088/DV1

Date: January 1997 | Figure 10.5-2


Elevation
(ft-PLL)
NORTHWEST
B
Cross-Section
A-A'
Intersection
A
20
10
5
0
-5
-10
-15
-20
-25
-30
Soil
Boring
CGSB02
Soil
Boring
CGS003
Soil
Boring
CGSB01
Soil
Boring
CGS001
Soil
Boring
995SB0
T.D. 5.5
T.D. 5.5
T.D.
Beach Sand
Beach Sand
Bay Mud
?
NR
NR
NR
NR
T.D. 26.0
T.D. 37.0
Asphalt
Artificial Fill
Sand
Silt
NR
No Recovery
Well Screen Inte

SOUTHEAST
B'





EXPLANATION

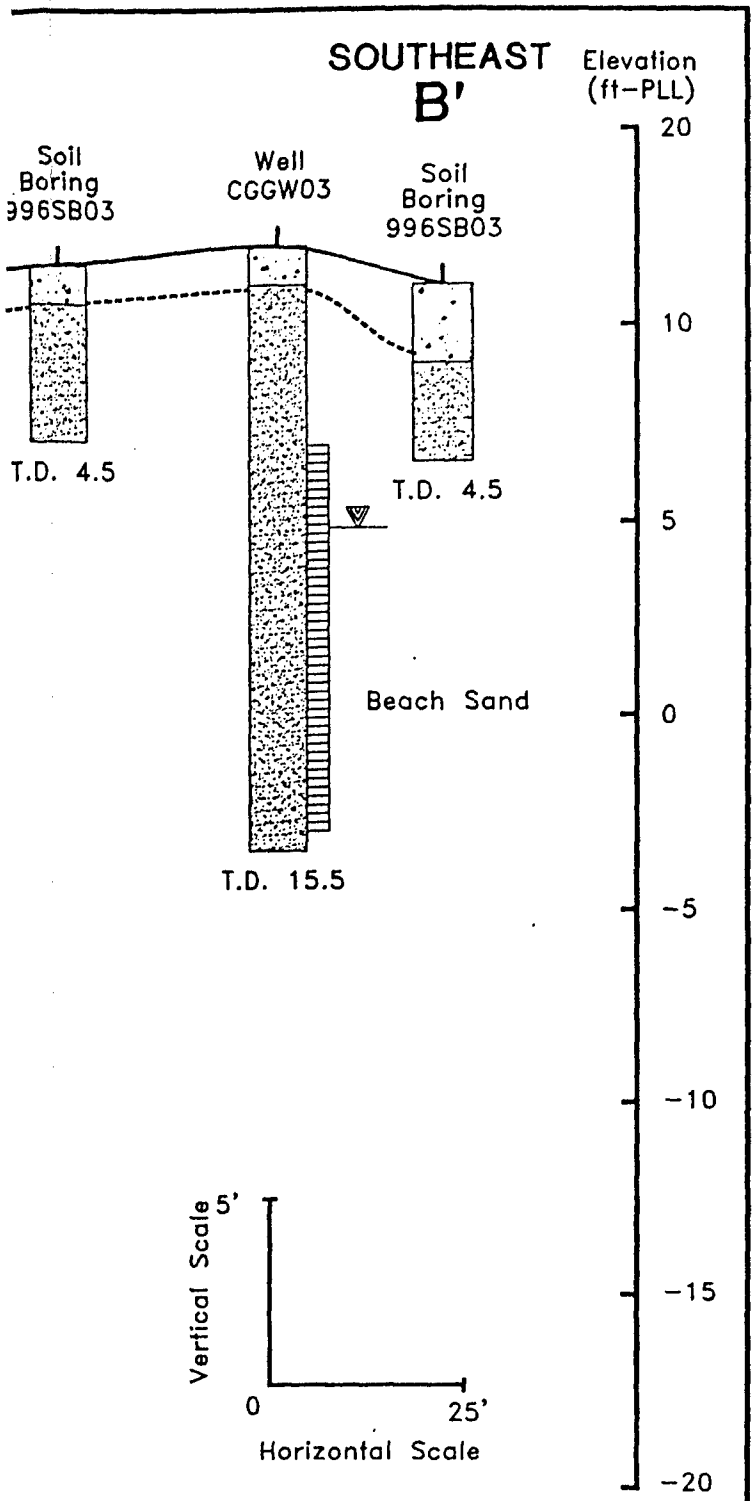
Asphalt	----------	Contact, dashed where inferred
Artificial Fill	▽	Water Level (03/16/95), CGGW02 1708 PST, CGGW03 1710 PST HIGH TIDE: 1050 PST, 5.4 ft. PLL LOW TIDE: 1650 PST, 0.2 ft. PLL
Sand		
Silt		
	T.D.	Total Depth (ft bgs)
No Recovery	ft-PLL	feet-Presidio Lower Low Water
Well Screen Interval		

DAMES & MO

MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARI
CROSS SECTION B-I

PSF25087/DV2

Date: January 1997 | Figure 1



3

d

710 PST
PLL
PLL

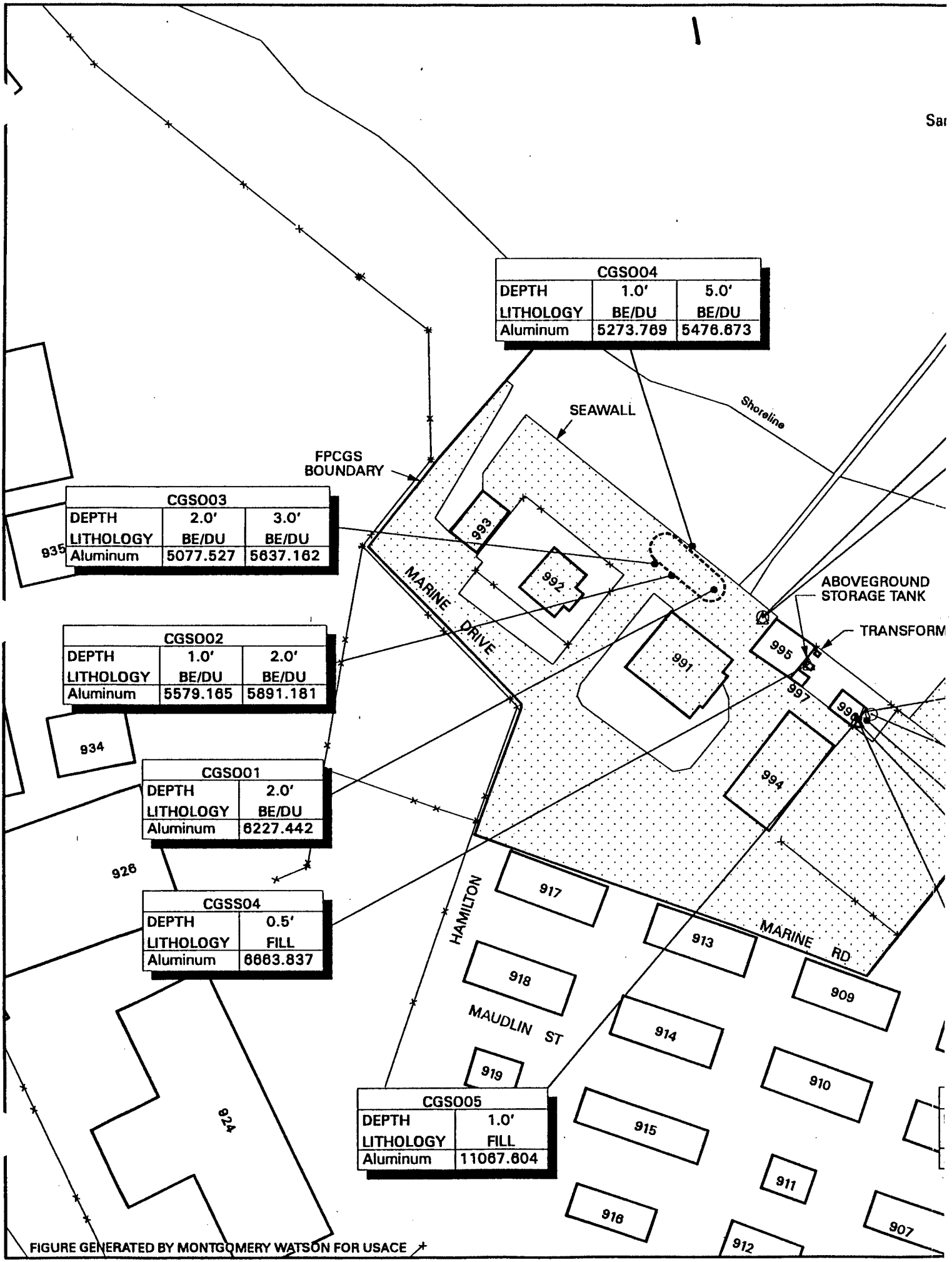
ir

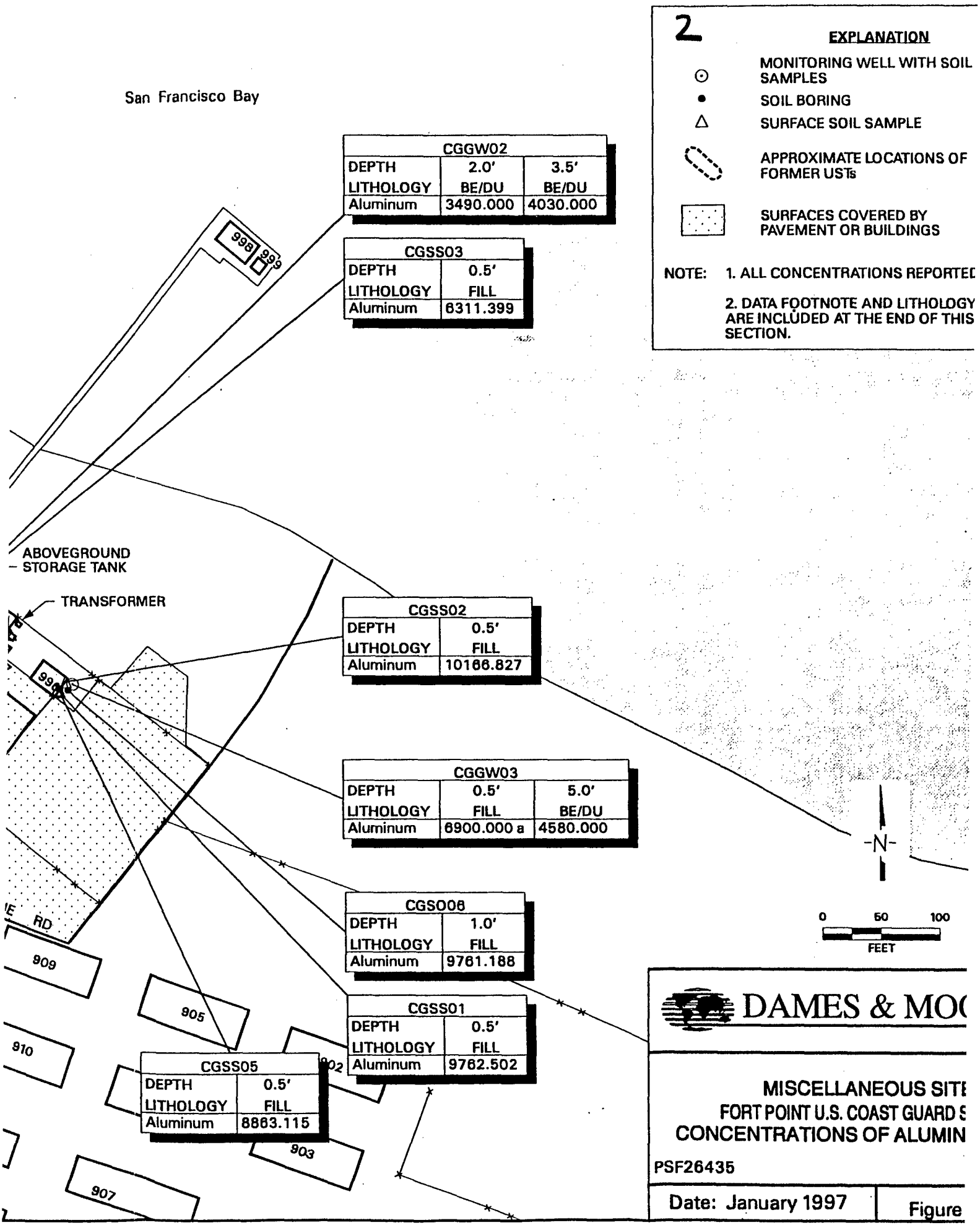
DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CROSS SECTION B-B'

PSF25087/DV2

Date: January 1997 | Figure 10.5-3


CGSO04
DEPTH | 1.0' | 5.0'
LITHOLOGY | BE/DU | BE/DU
Aluminum | 5273.769 | 5476.673
SEAWALL
Shoreline
FPCGS BOUNDARY
CGSO03
DEPTH | 2.0' | 3.0'
LITHOLOGY | BE/DU | BE/DU
Aluminum | 5077.527 | 5637.162
935
993
992
991
995
997
999
994
MARINE DRIVE
ABOVEGROUND STORAGE TANK
TRANSFORM
CGSO02
DEPTH | 1.0' | 2.0'
LITHOLOGY | BE/DU | BE/DU
Aluminum | 5579.165 | 5891.181
934
CGSO01
DEPTH | 2.0'
LITHOLOGY | BE/DU
Aluminum | 6227.442
926
CGSS04
DEPTH | 0.5'
LITHOLOGY | FILL
Aluminum | 6663.837
HAMILTON
917
913
MARINE RD
918
909
MAUDLIN ST
914
919
910
CGSO05
DEPTH | 1.0'
LITHOLOGY | FILL
Aluminum | 11067.604
915
911
916
907
912
924
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
MONITORING WELL WITH SOIL SAMPLES
SOIL BORING
SURFACE SOIL SAMPLE
APPROXIMATE LOCATIONS OF FORMER USTs
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
San Francisco Bay
CGGW02
DEPTH | 2.0' | 3.5'
LITHOLOGY | BE/DU | BE/DU
Aluminum | 3490.000 | 4030.000
CGSS03
DEPTH | 0.5'
LITHOLOGY | FILL
Aluminum | 6311.399
998
999
ABOVEGROUND STORAGE TANK
TRANSFORMER
CGSS02
DEPTH | 0.5'
LITHOLOGY | FILL
Aluminum | 10166.827
CGGW03
DEPTH | 0.5' | 5.0'
LITHOLOGY | FILL | BE/DU
Aluminum | 6900.000 a | 4580.000
CGSO08
DEPTH | 1.0'
LITHOLOGY | FILL
Aluminum | 9761.188
CGSS01
DEPTH | 0.5'
LITHOLOGY | FILL
Aluminum | 9762.502
CGSS05
DEPTH | 0.5'
LITHOLOGY | FILL
Aluminum | 8863.115
RD
909
905
910
902
903
907
-N-
0 50 100
FEET
DAMES & MOO
MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARD S
CONCENTRATIONS OF ALUMIN
PSF26435
Date: January 1997
Figure

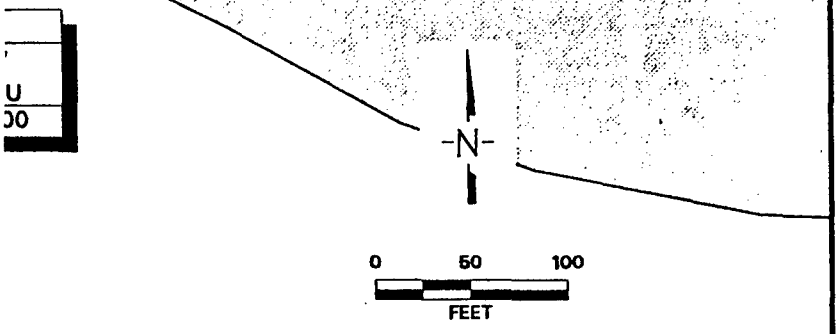
3

EXPLANATION

- ⊙ MONITORING WELL WITH SOIL SAMPLES
- • SOIL BORING
- △ SURFACE SOIL SAMPLE
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



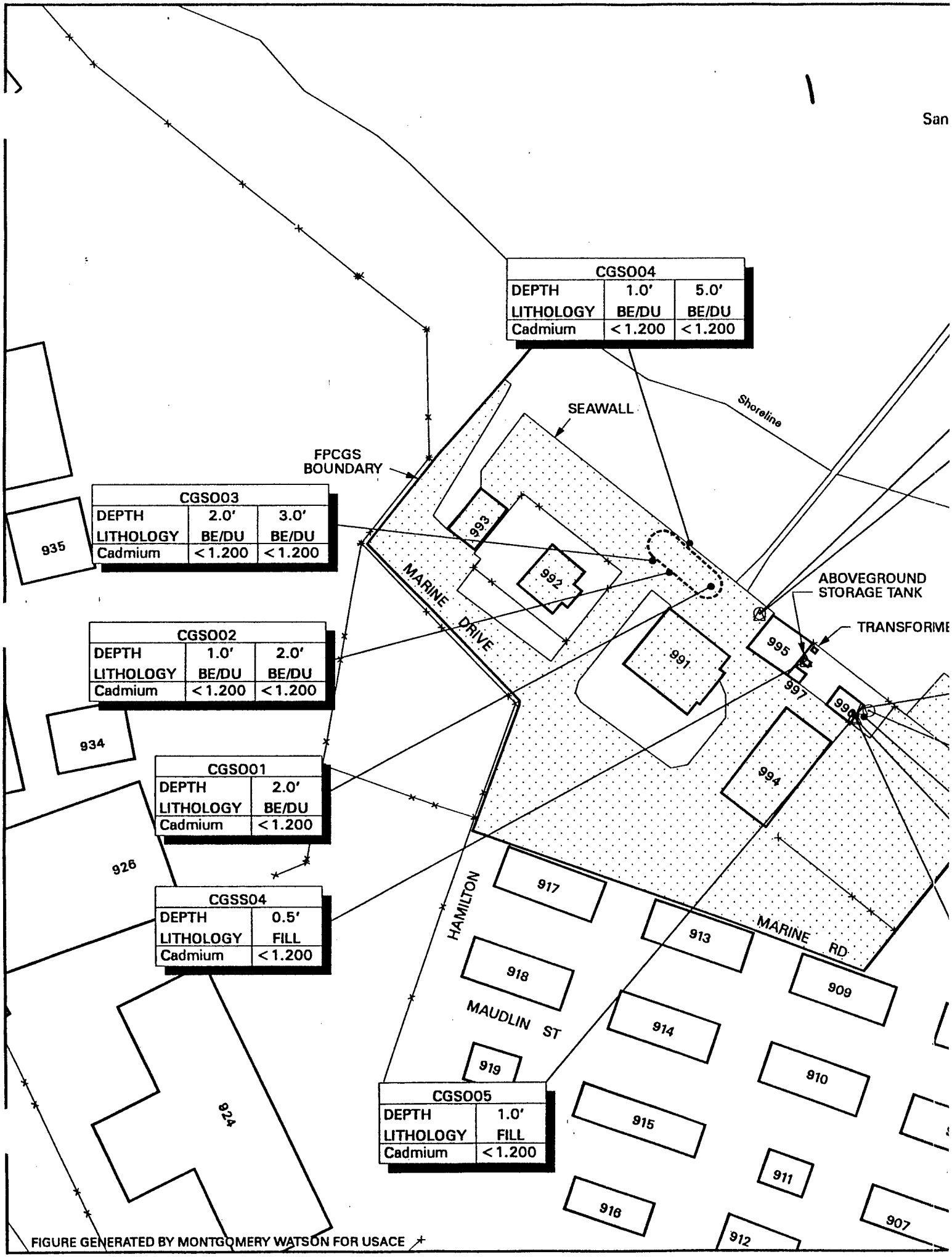
DAMES & MOORE

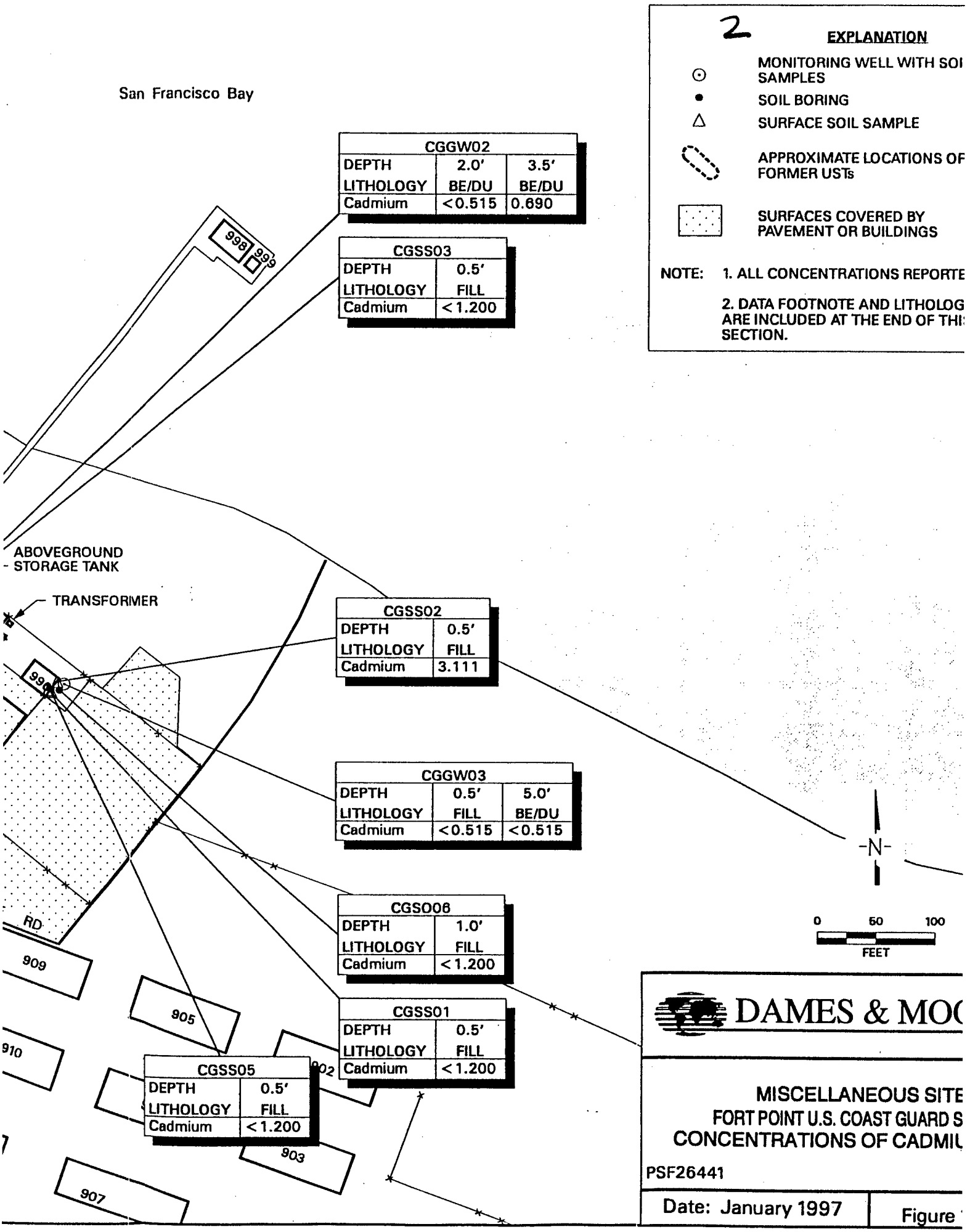
MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26435

Date: January 1997

Figure 10.5-4


San
CGSO04
DEPTH | 1.0' | 5.0'
LITHOLOGY | BE/DU | BE/DU
Cadmium | < 1.200 | < 1.200
SEAWALL
Shoreline
FPCGS BOUNDARY
CGSO03
DEPTH | 2.0' | 3.0'
LITHOLOGY | BE/DU | BE/DU
Cadmium | < 1.200 | < 1.200
935
993
992
MARINE DRIVE
ABOVEGROUND STORAGE TANK
TRANSFORME
CGSO02
DEPTH | 1.0' | 2.0'
LITHOLOGY | BE/DU | BE/DU
Cadmium | < 1.200 | < 1.200
991
995
997
934
CGSO01
DEPTH | 2.0'
LITHOLOGY | BE/DU
Cadmium | < 1.200
994
926
CGSS04
DEPTH | 0.5'
LITHOLOGY | FILL
Cadmium | < 1.200
HAMILTON
917
913
MARINE RD
918
909
MAUDLIN ST
914
919
910
CGSO05
DEPTH | 1.0'
LITHOLOGY | FILL
Cadmium | < 1.200
915
924
911
916
907
912
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
MONITORING WELL WITH SOI SAMPLES
SOIL BORING
SURFACE SOIL SAMPLE
APPROXIMATE LOCATIONS OF FORMER USTs
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTE
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THI SECTION.
San Francisco Bay
CGGW02
DEPTH 2.0' 3.5'
LITHOLOGY BE/DU BE/DU
Cadmium <0.515 0.690
CGSS03
DEPTH 0.5'
LITHOLOGY FILL
Cadmium <1.200
998
999
ABOVEGROUND - STORAGE TANK
TRANSFORMER
CGSS02
DEPTH 0.5'
LITHOLOGY FILL
Cadmium 3.111
CGGW03
DEPTH 0.5' 5.0'
LITHOLOGY FILL BE/DU
Cadmium <0.515 <0.515
CGSO06
DEPTH 1.0'
LITHOLOGY FILL
Cadmium <1.200
CGSS01
DEPTH 0.5'
LITHOLOGY FILL
Cadmium <1.200
CGSS05
DEPTH 0.5'
LITHOLOGY FILL
Cadmium <1.200
RD
909
905
910
902
903
907
-N-
0 50 100
FEET
DAMES & MOO
MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARD S
CONCENTRATIONS OF CADMIU
PSF26441
Date: January 1997
Figure

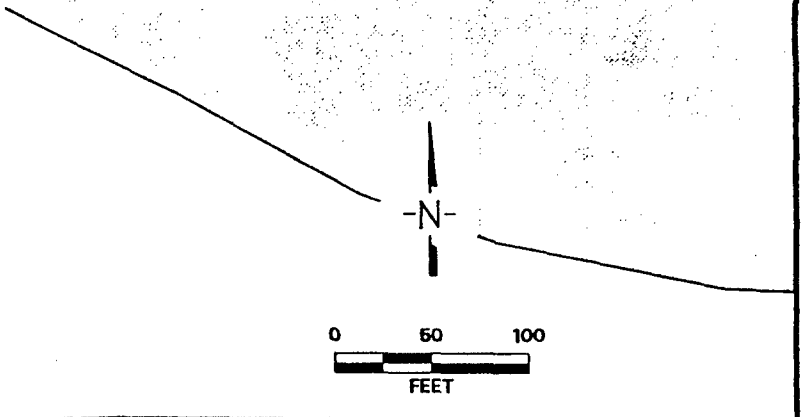
3

EXPLANATION

- ⊙ MONITORING WELL WITH SOIL SAMPLES
- • SOIL BORING
- △ SURFACE SOIL SAMPLE
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26441

Date: January 1997

Figure 10.5-5

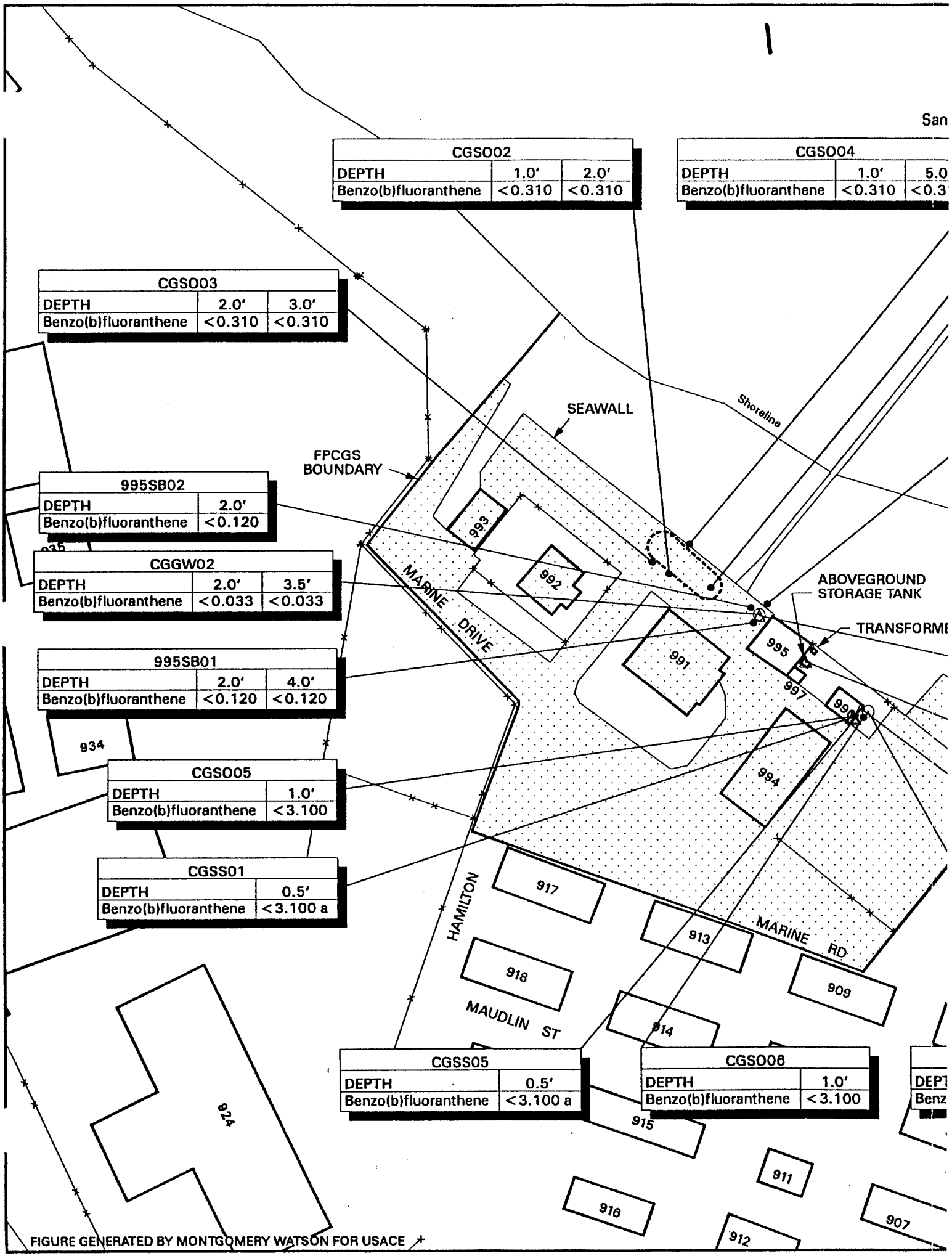
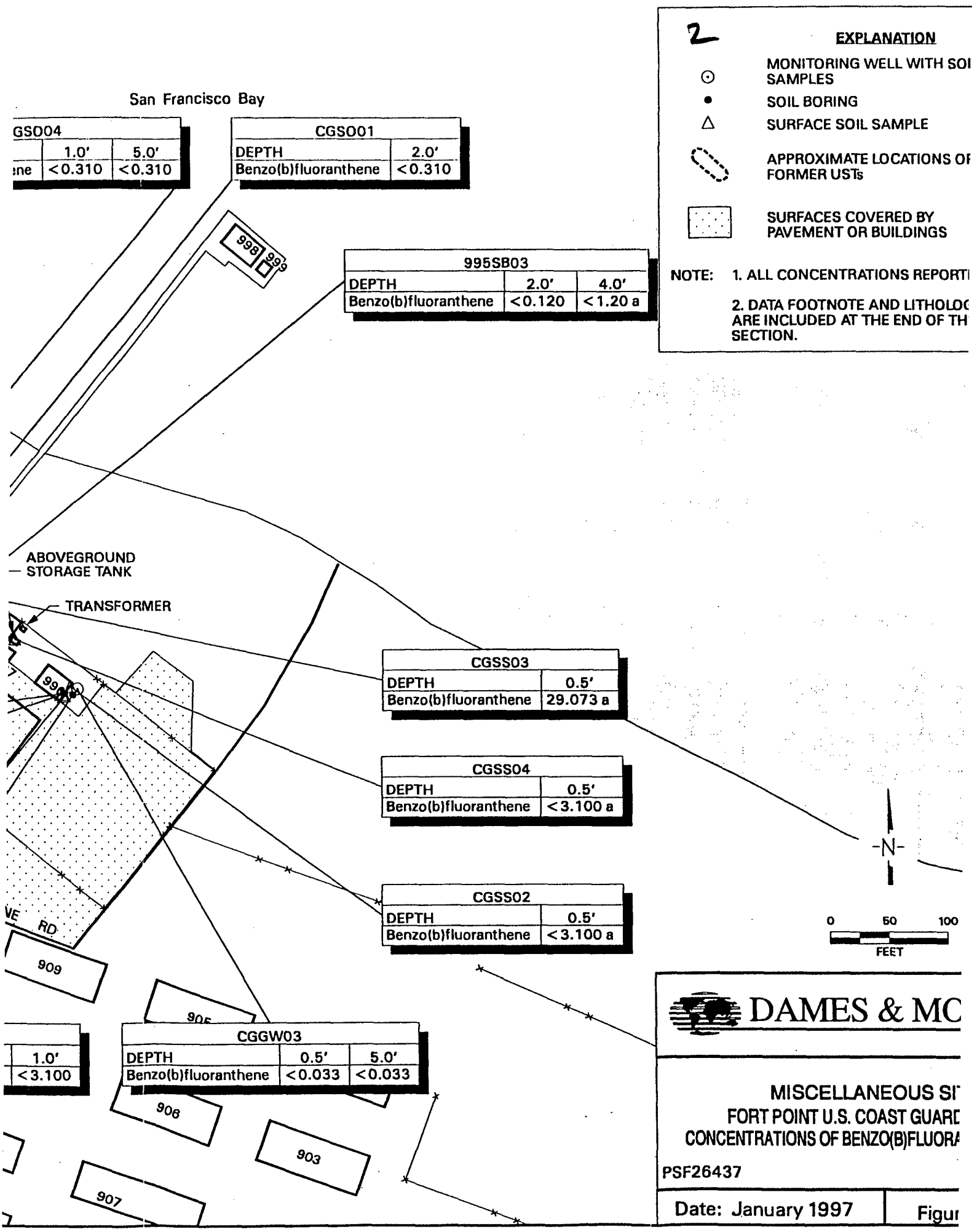


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
MONITORING WELL WITH SOI SAMPLES
SOIL BORING
SURFACE SOIL SAMPLE
APPROXIMATE LOCATIONS OF FORMER USTs
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTI
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF TH SECTION.
San Francisco Bay
GSO04
1.0' 5.0'
ne <0.310 <0.310
CGSO01
DEPTH 2.0'
Benzo(b)fluoranthene <0.310
998
999
995SB03
DEPTH 2.0' 4.0'
Benzo(b)fluoranthene <0.120 <1.20 a
ABOVEGROUND — STORAGE TANK
TRANSFORMER
CGSS03
DEPTH 0.5'
Benzo(b)fluoranthene 29.073 a
CGSS04
DEPTH 0.5'
Benzo(b)fluoranthene <3.100 a
CGSS02
DEPTH 0.5'
Benzo(b)fluoranthene <3.100 a
-N-
0 50 100
FEET
VE RD
909
905
1.0'
<3.100
CGGW03
DEPTH 0.5' 5.0'
Benzo(b)fluoranthene <0.033 <0.033
906
903
907
DAMES & MC
MISCELLANEOUS SI
FORT POINT U.S. COAST GUARI
CONCENTRATIONS OF BENZO(B)FLUORA
PSF26437
Date: January 1997
Figur

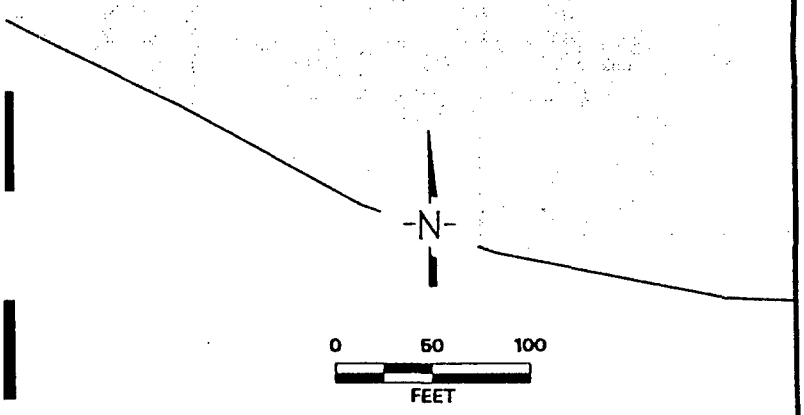
3

EXPLANATION

- ⊙ MONITORING WELL WITH SOIL SAMPLES
- • SOIL BORING
- △ SURFACE SOIL SAMPLE
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF BENZO(B)FLUORANTHENE IN SOIL

PSF26437

Date: January 1997 | Figure 10.5-6

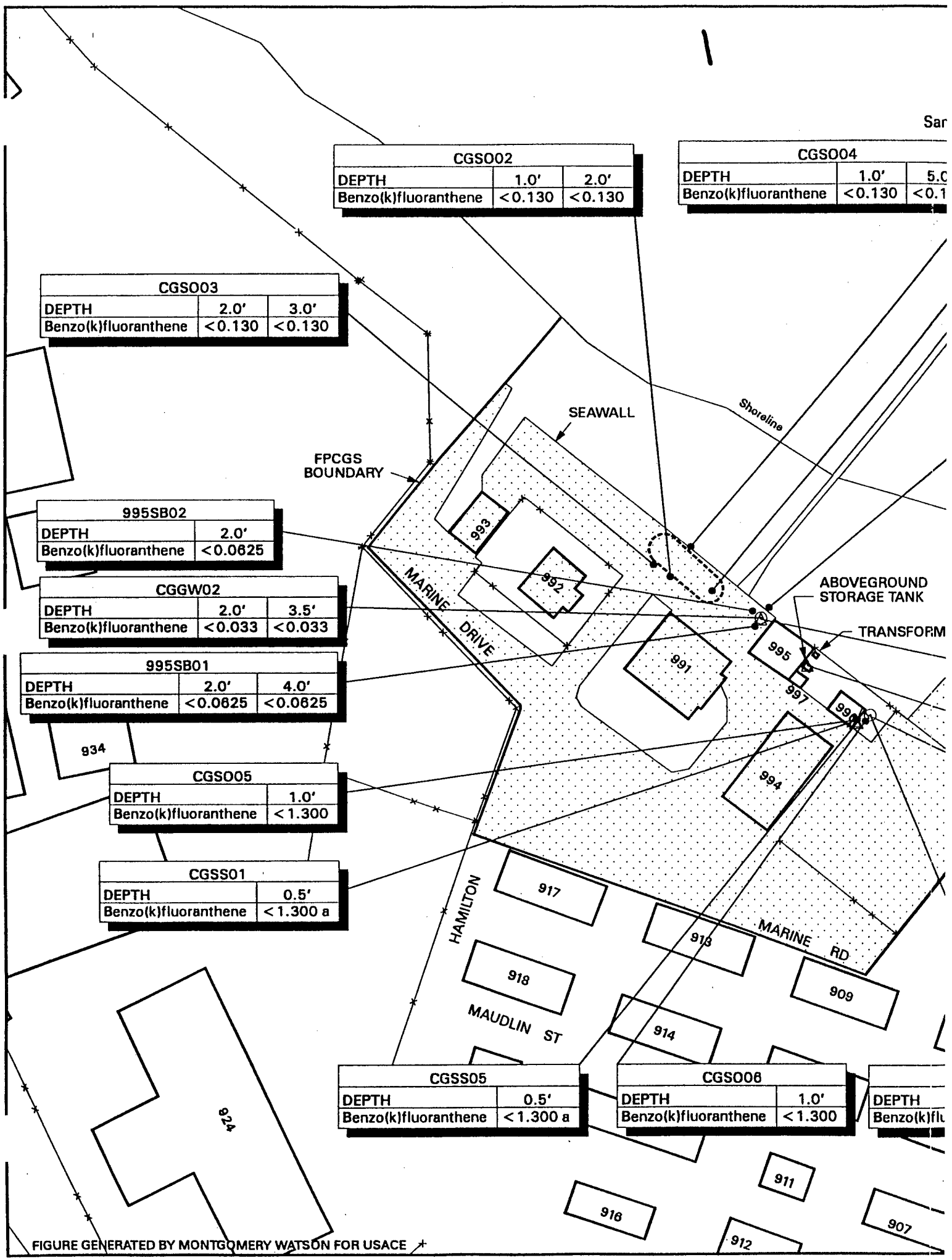
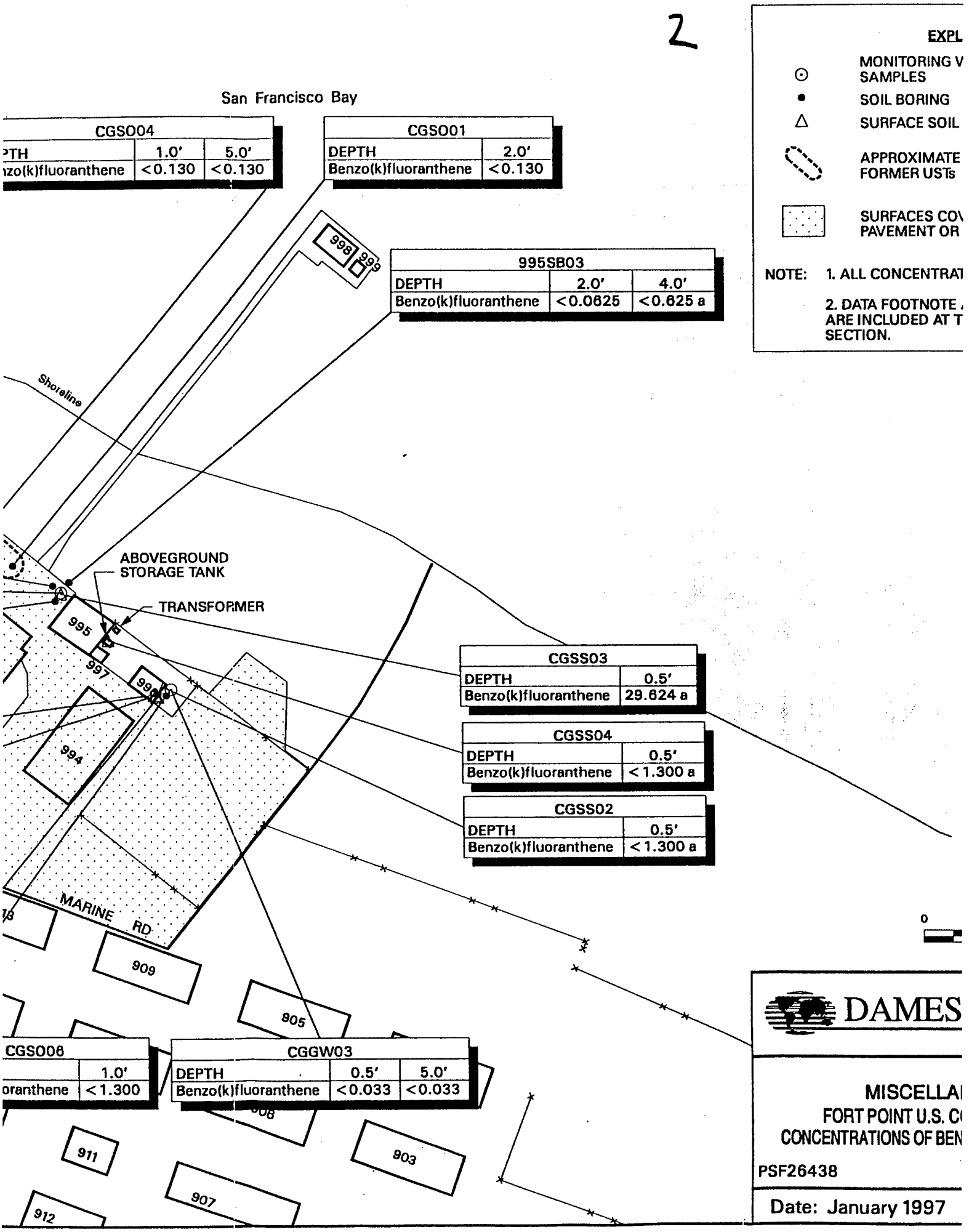


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 17:17:34 Wadner 11x17_v3.aml, plotfile base_FPCGS_S_36.grn, PSF


2
EXPL
MONITORING V
SAMPLES
SOIL BORING
SURFACE SOIL
APPROXIMATE
FORMER USTs
SURFACES CO
PAVEMENT OR
NOTE: 1. ALL CONCENTRAT
2. DATA FOOTNOTE
ARE INCLUDED AT T
SECTION.
San Francisco Bay
CGSO04
PTH | 1.0' | 5.0'
zo(k)fluoranthene | <0.130 | <0.130
CGSO01
DEPTH | 2.0'
Benzo(k)fluoranthene | <0.130
995SB03
DEPTH | 2.0' | 4.0'
Benzo(k)fluoranthene | <0.0625 | <0.625 a
Shoreline
ABOVEGROUND
STORAGE TANK
TRANSFORMER
995
997
998
999
994
CGSS03
DEPTH | 0.5'
Benzo(k)fluoranthene | 29.624 a
CGSS04
DEPTH | 0.5'
Benzo(k)fluoranthene | <1.300 a
CGSS02
DEPTH | 0.5'
Benzo(k)fluoranthene | <1.300 a
MARINE RD
909
905
CGSO06
1.0'
oranthene | <1.300
CGGW03
DEPTH | 0.5' | 5.0'
Benzo(k)fluoranthene | <0.033 | <0.033
911
907
903
912
0
DAMES
MISCELLA
FORT POINT U.S. C
CONCENTRATIONS OF BEN
PSF26438
Date: January 1997

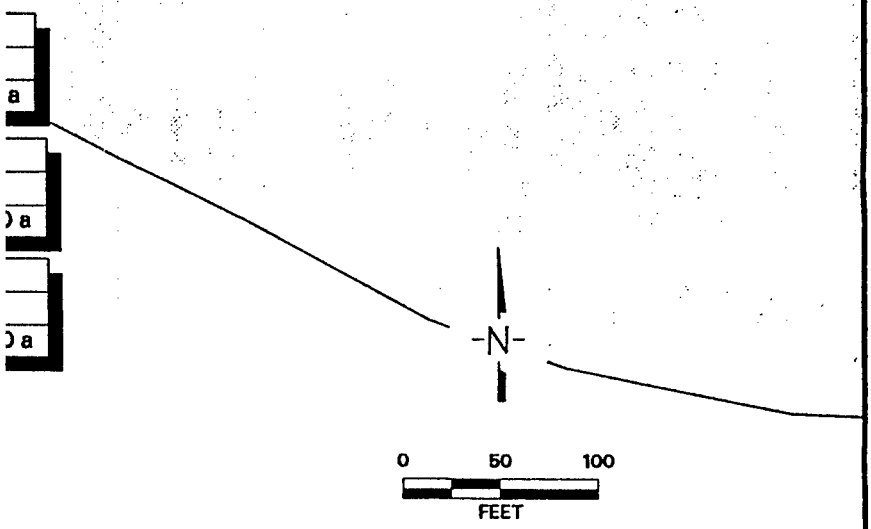
3

EXPLANATION

- ⊙ MONITORING WELL WITH SOIL SAMPLES
- • SOIL BORING
- △ SURFACE SOIL SAMPLE
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



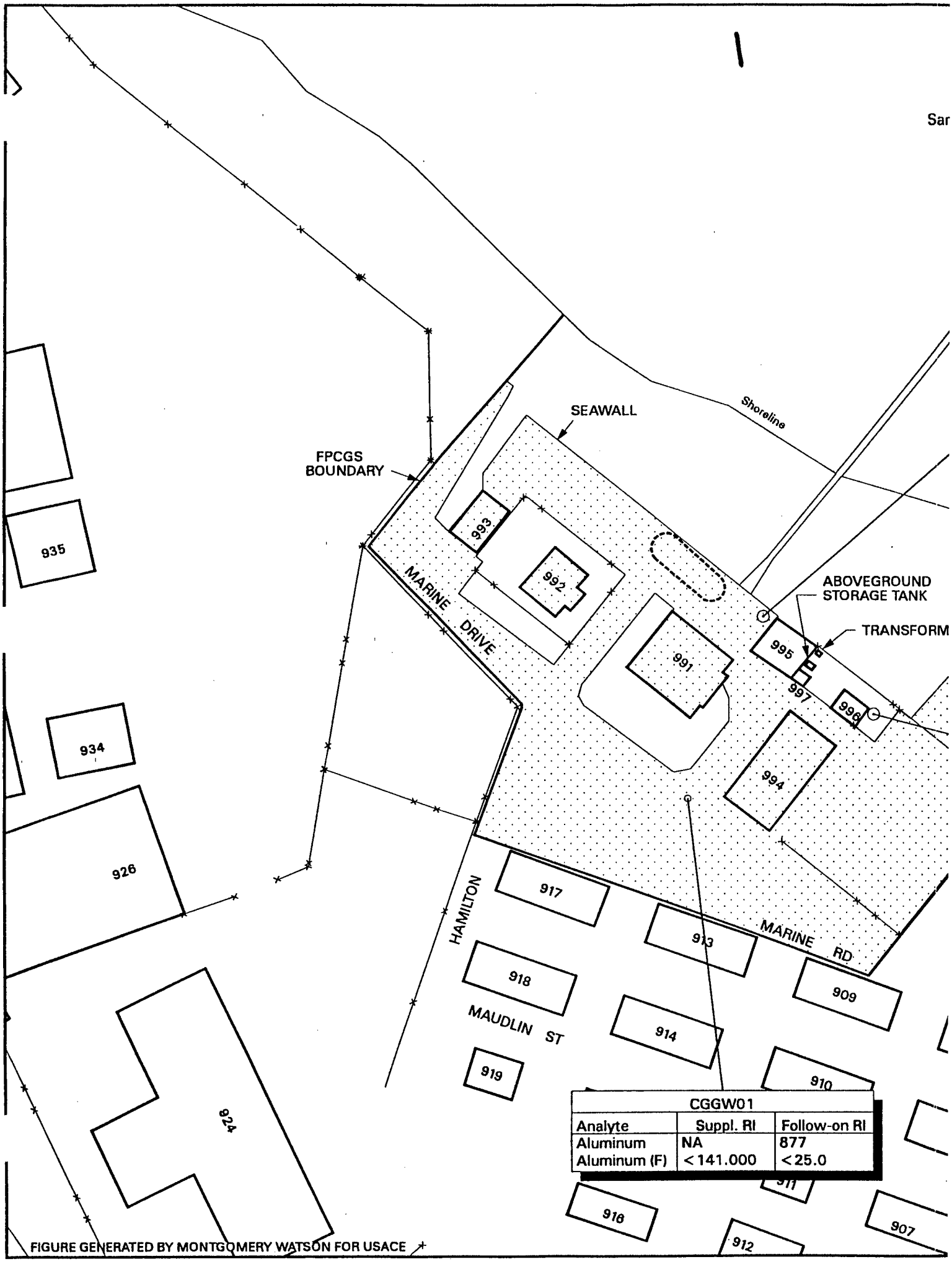
DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF BENZO(K)FLUORANTHENE IN SOIL

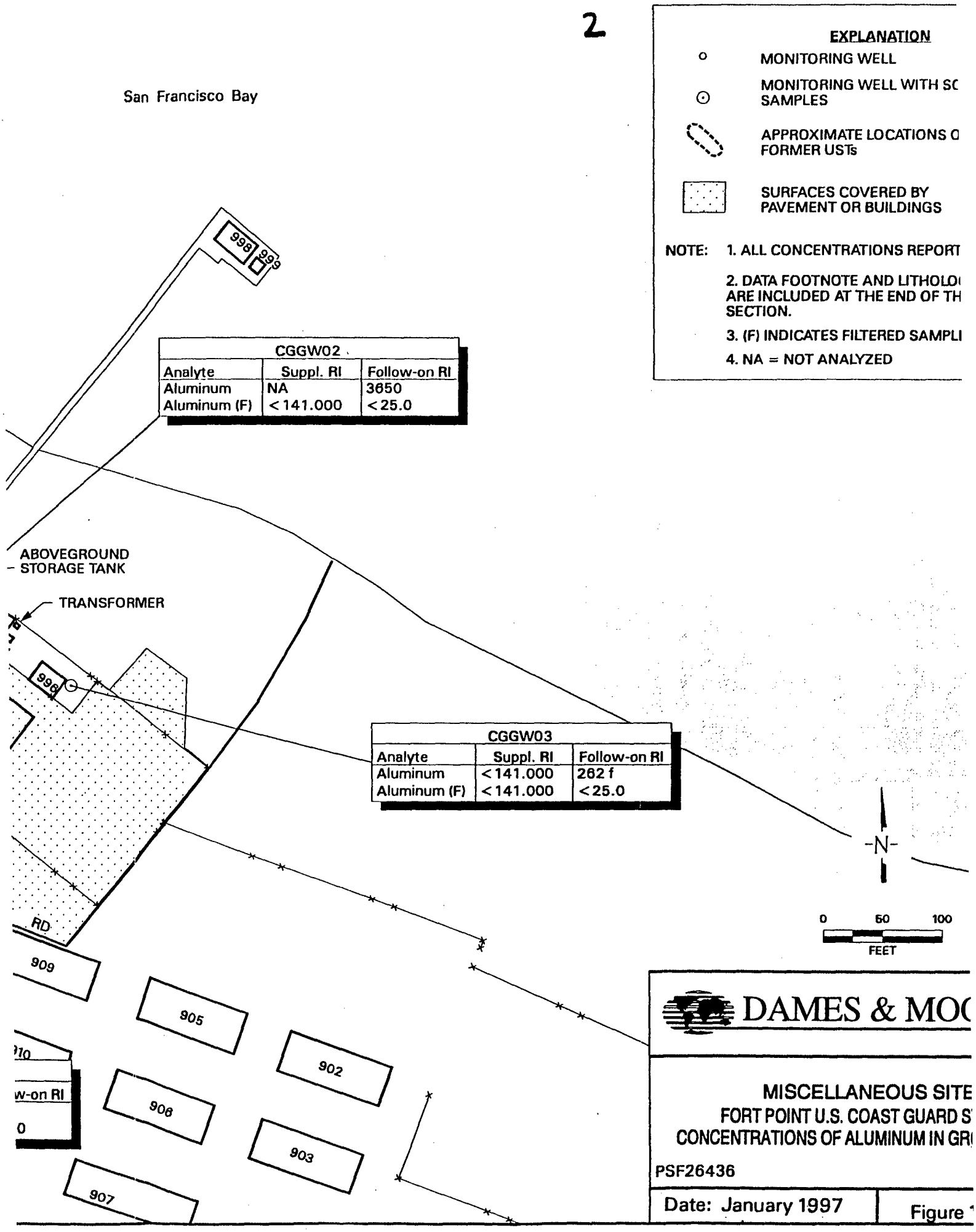
PSF26438

Date: January 1997

Figure 10.5-7


Sar
SEAWALL
Shoreline
FPCGS
BOUNDARY
993
992
991
995
997
996
994
ABOVEGROUND
STORAGE TANK
TRANSFORM
MARINE DRIVE
935
934
926
924
917
913
918
909
914
919
910
916
912
907
HAMILTON
MAUDLIN ST
MARINE RD
CGGW01
Analyte | Suppl. RI | Follow-on RI
Aluminum | NA | 877
Aluminum (F) | < 141.000 | < 25.0
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2



DAMES & MOC

MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARD S
CONCENTRATIONS OF ALUMINUM IN GR

PSF26436

Date: January 1997 | Figure

3

EXPLANATION

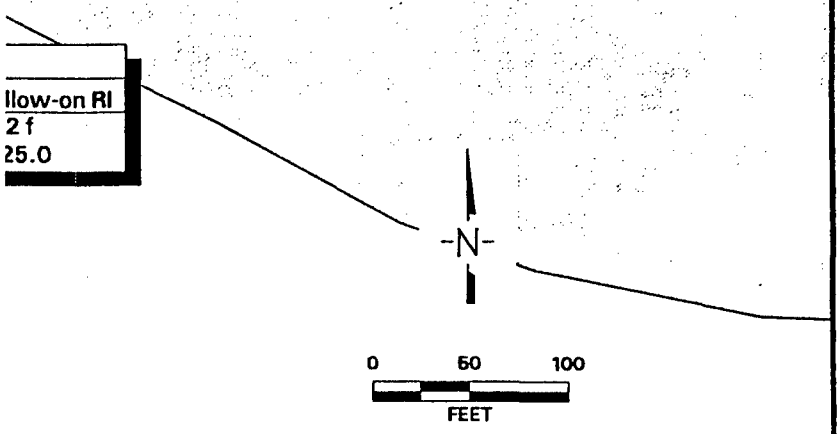
- o — MONITORING WELL
- ⊙ — MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED



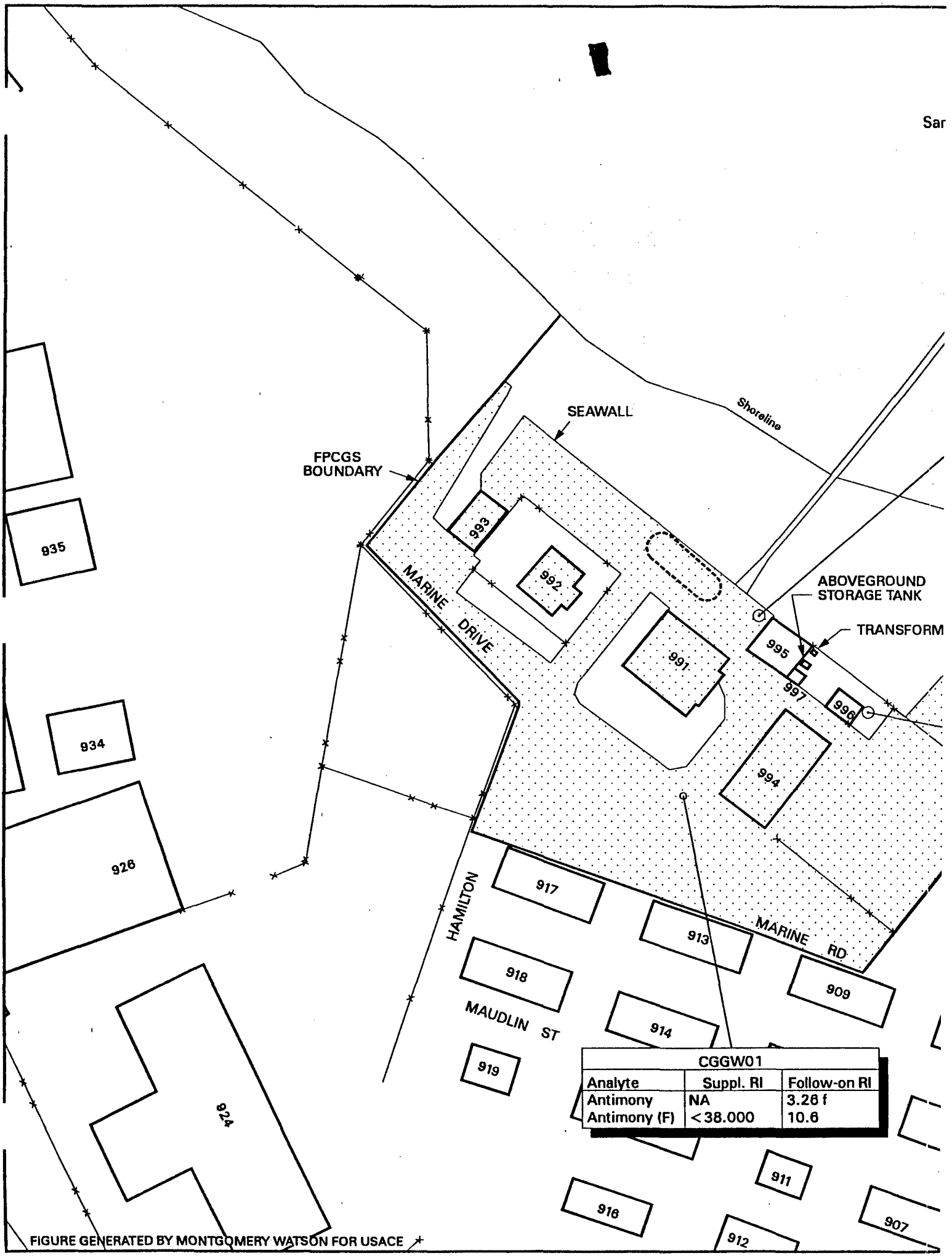
DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ALUMINUM IN GROUNDWATER

PSF26436

Date: January 1997

Figure 10.5-8


Sar
SEAWALL
Shoreline
FPCGS
BOUNDARY
993
992
991
995
997
996
994
ABOVEGROUND
STORAGE TANK
TRANSFORM
MARINE DRIVE
935
934
926
924
917
913
918
909
914
919
911
916
912
907
HAMILTON
MAUDLIN ST
MARINE RD
CGGW01
Analyte | Suppl. RI | Follow-on RI
Antimony | NA | 3.26 f
Antimony (F) | < 38.000 | 10.6
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

San Francisco Bay

EXPLANATION

- MONITORING WELL
- MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µ

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGUF SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

998

999

CGGW02		
Analyte	Suppl. RI	Follow-on RI
Antimony	NA	<1.11
Antimony (F)	<38.000	7.20

EGROUND
AGE TANK

TRANSFORMER

CGGW03		
Analyte	Suppl. RI	Follow-on RI
Antimony	<38.000	<1.11
Antimony (F)	<38.000	4.70

-N-

0 50 100

FEET

n RI

905

902

906

903

907

DAMES & MOOR

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATI(
CONCENTRATIONS OF ANTIMONY IN GROUNI

PSF26440

Date: January 1997

Figure 10.5

3

EXPLANATION

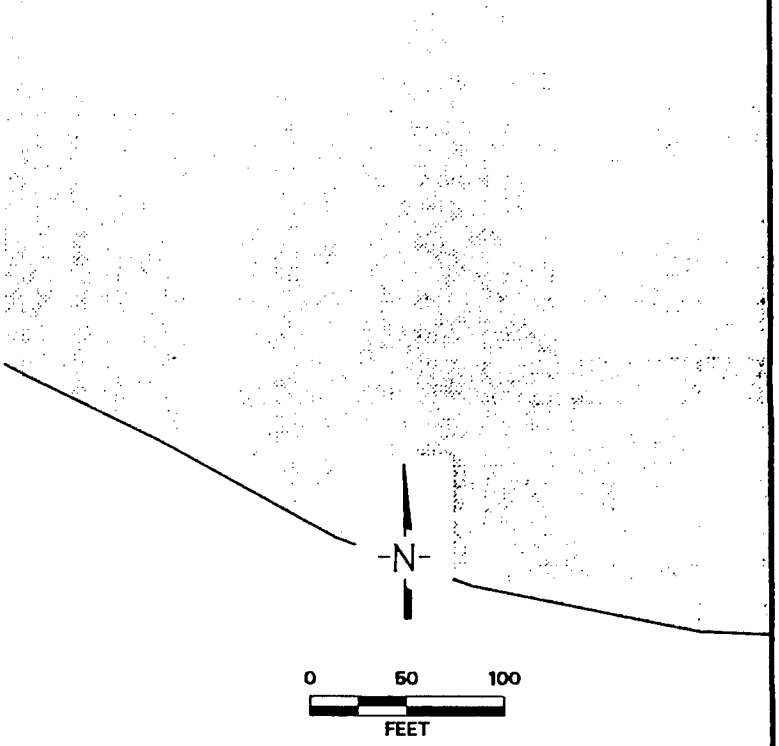
- MONITORING WELL
- MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED



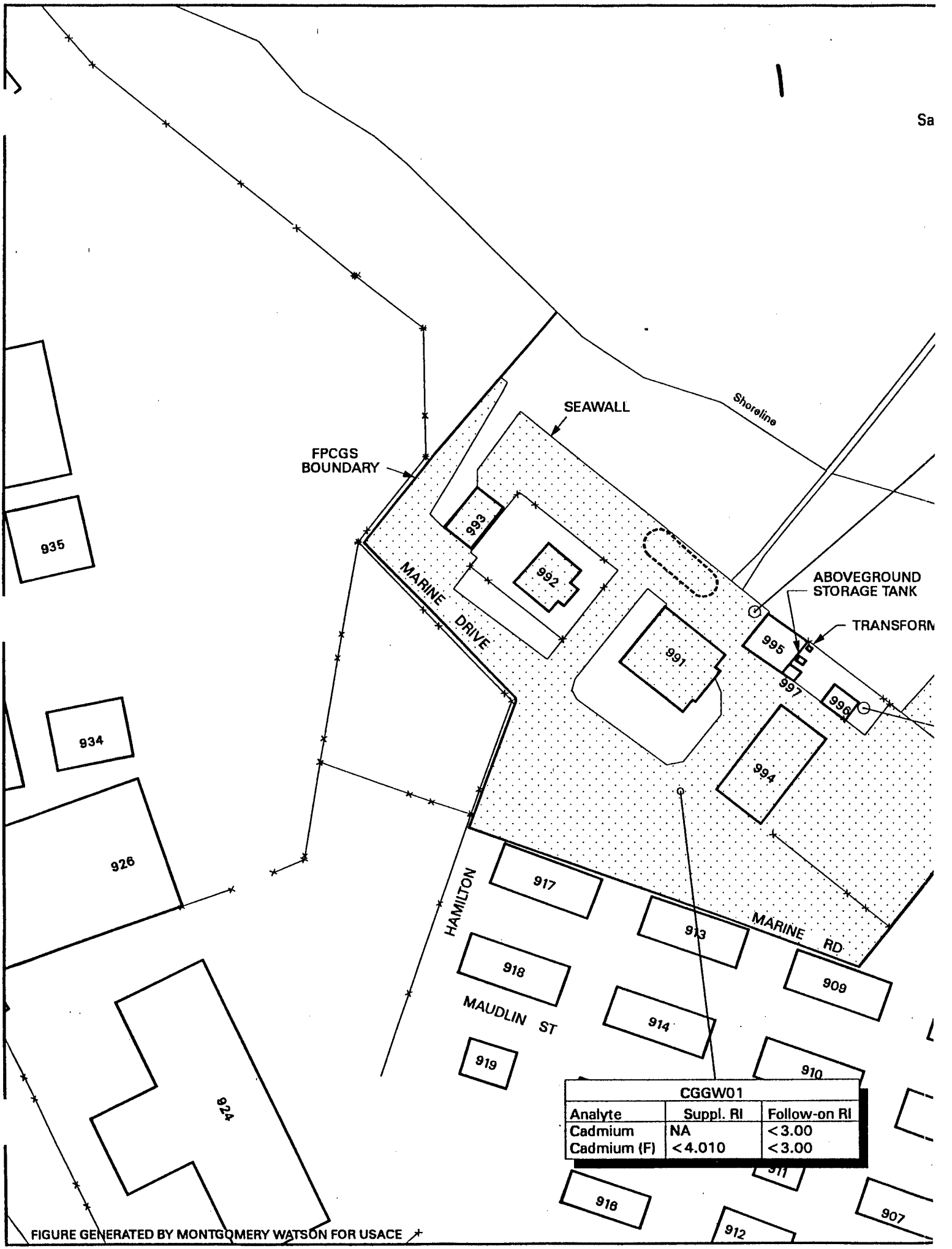
DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ANTIMONY IN GROUNDWATER

PSF26440

Date: January 1997

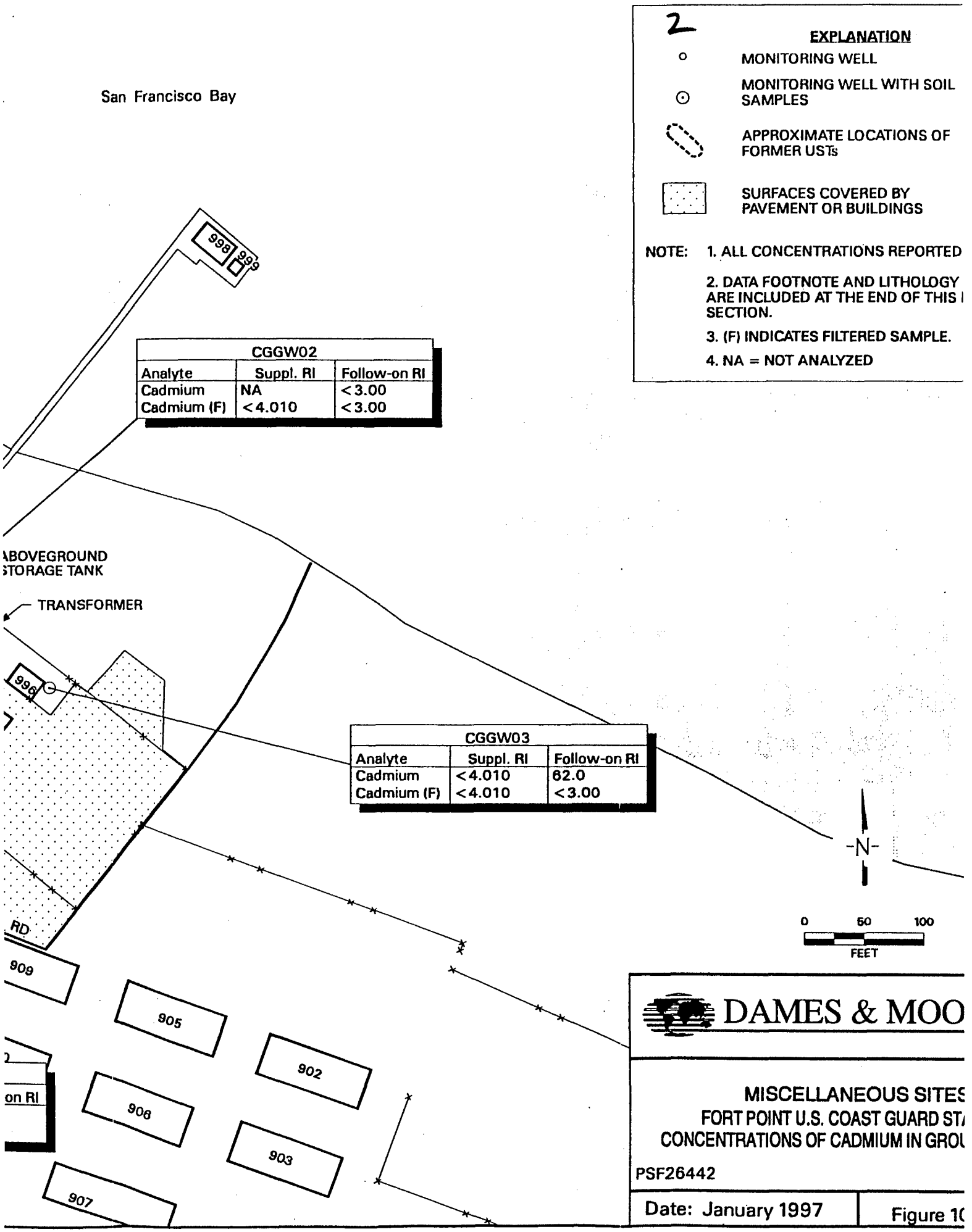
Figure 10.5-9



CGGW01		
Analyte	Suppl. RI	Follow-on RI
Cadmium	NA	<3.00
Cadmium (F)	<4.010	<3.00

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

04 Sep 96 17:22:03 Wednesday x17_v3.arnl, pkeffle base_FPCGS_W_6.grn, PSF


2
EXPLANATION
MONITORING WELL
MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF FORMER USTs
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS I SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
San Francisco Bay
998
999
CGGW02
Analyte | Suppl. RI | Follow-on RI
Cadmium | NA | <3.00
Cadmium (F) | <4.010 | <3.00
ABOVEGROUND STORAGE TANK
TRANSFORMER
996
CGGW03
Analyte | Suppl. RI | Follow-on RI
Cadmium | <4.010 | 62.0
Cadmium (F) | <4.010 | <3.00
RD
909
905
902
906
903
907
on RI
-N-
0 50 100
FEET
DAMES & MOO
MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD ST
CONCENTRATIONS OF CADMIUM IN GROU
PSF26442
Date: January 1997
Figure 1(

3

EXPLANATION

- o — MONITORING WELL
- ⊙ — MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

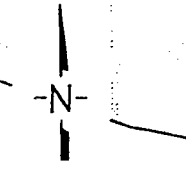
NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

low-on RI
0
.00



0 50 100
FEET

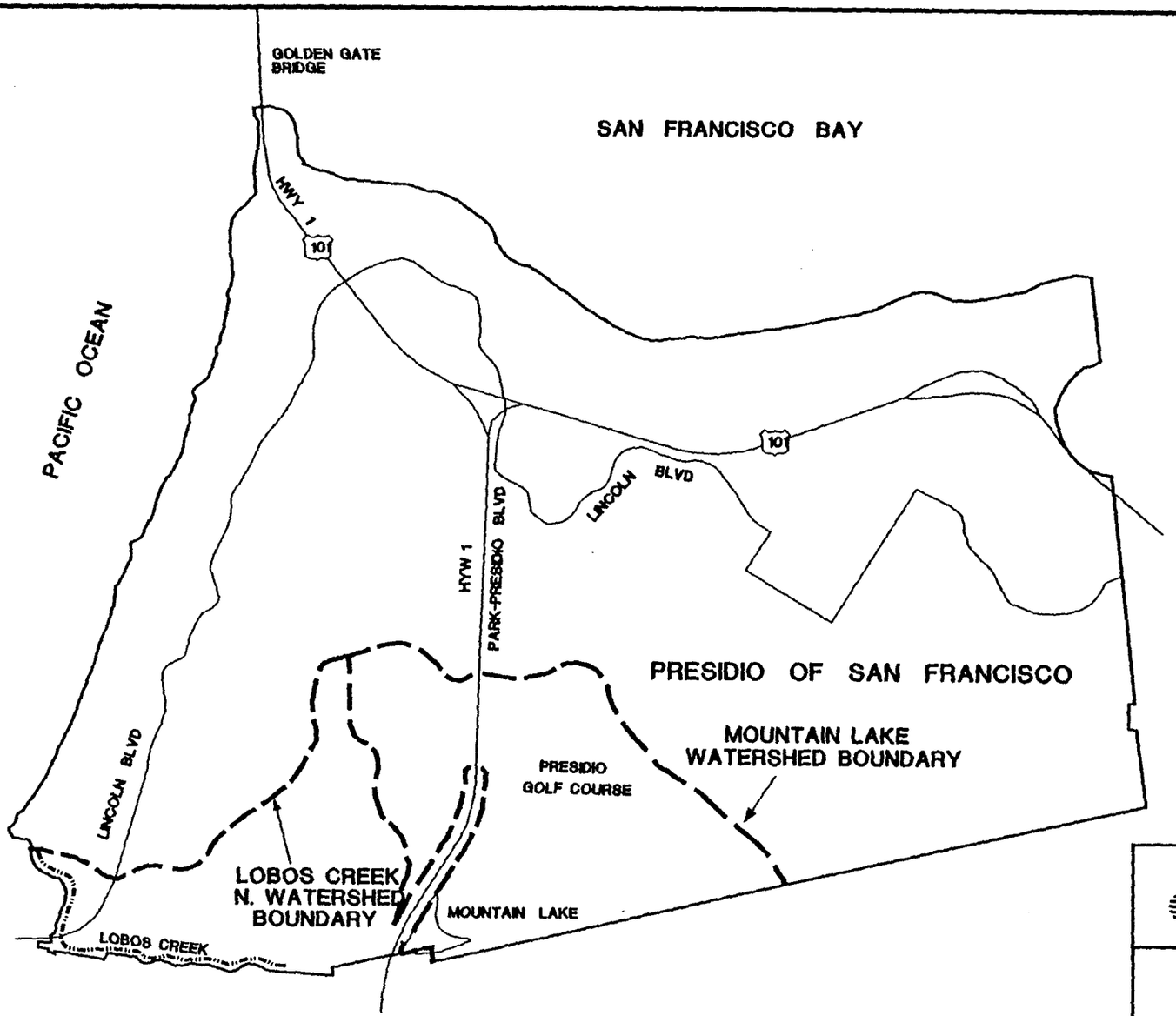
DAMES & MOORE

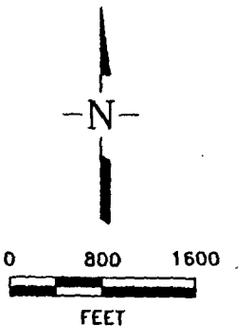
MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF CADMIUM IN GROUNDWATER

PSF26442

Date: January 1997

Figure 10.5-10





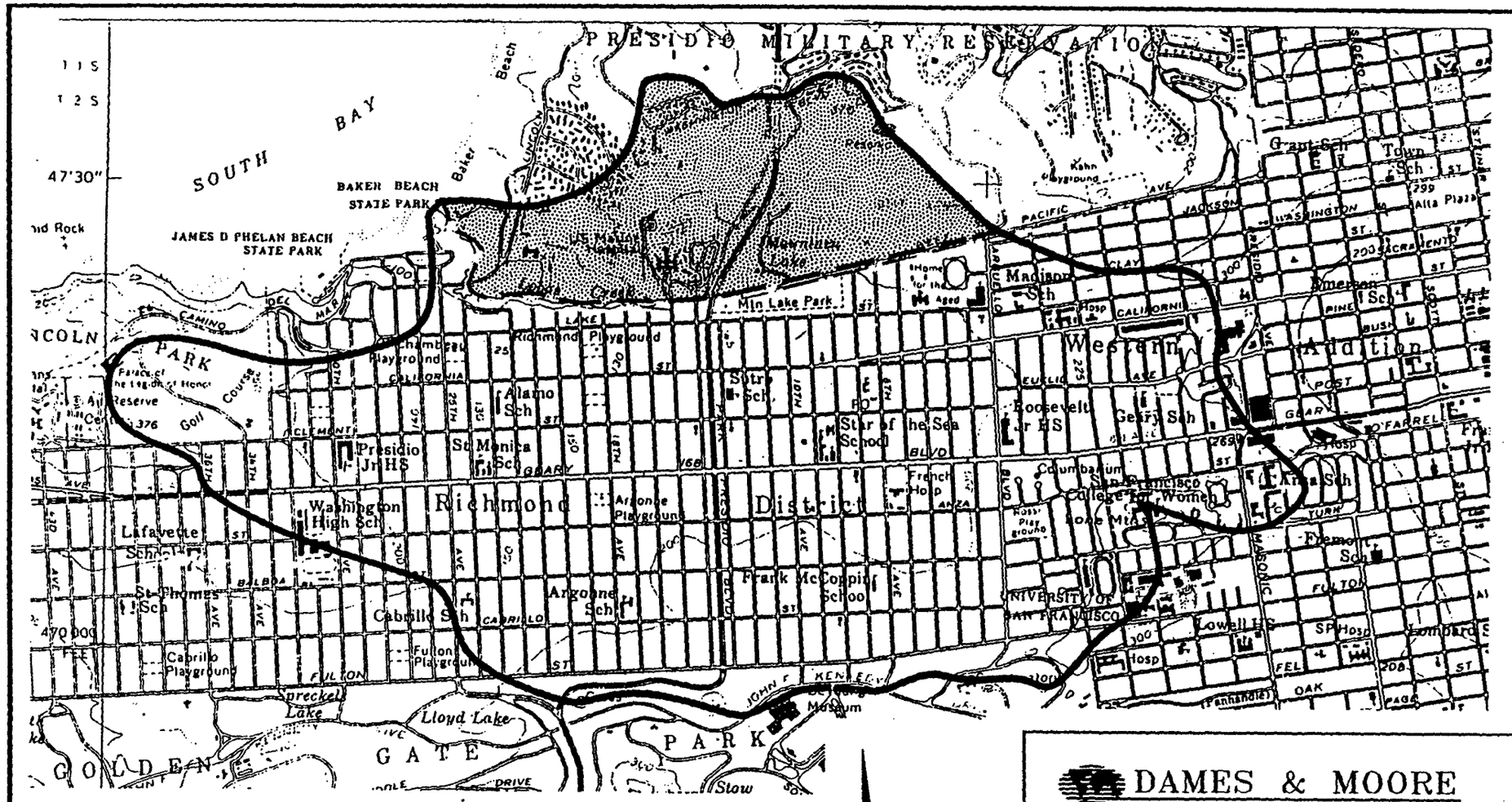
(LOBOS CREEK WATERSHED BOUNDARY SOUTH OF THE PSF IS SHOWN ON FIGURE 10.6-2)

DAMES & MOORE

MISCELLANEOUS SITES
MOUNTAIN LAKE & LOBOS CREEK
WATERSHED BOUNDARIES

PSF25158/DV2

Date: January 1997 | Figure 10.6-1



EXPLANATION

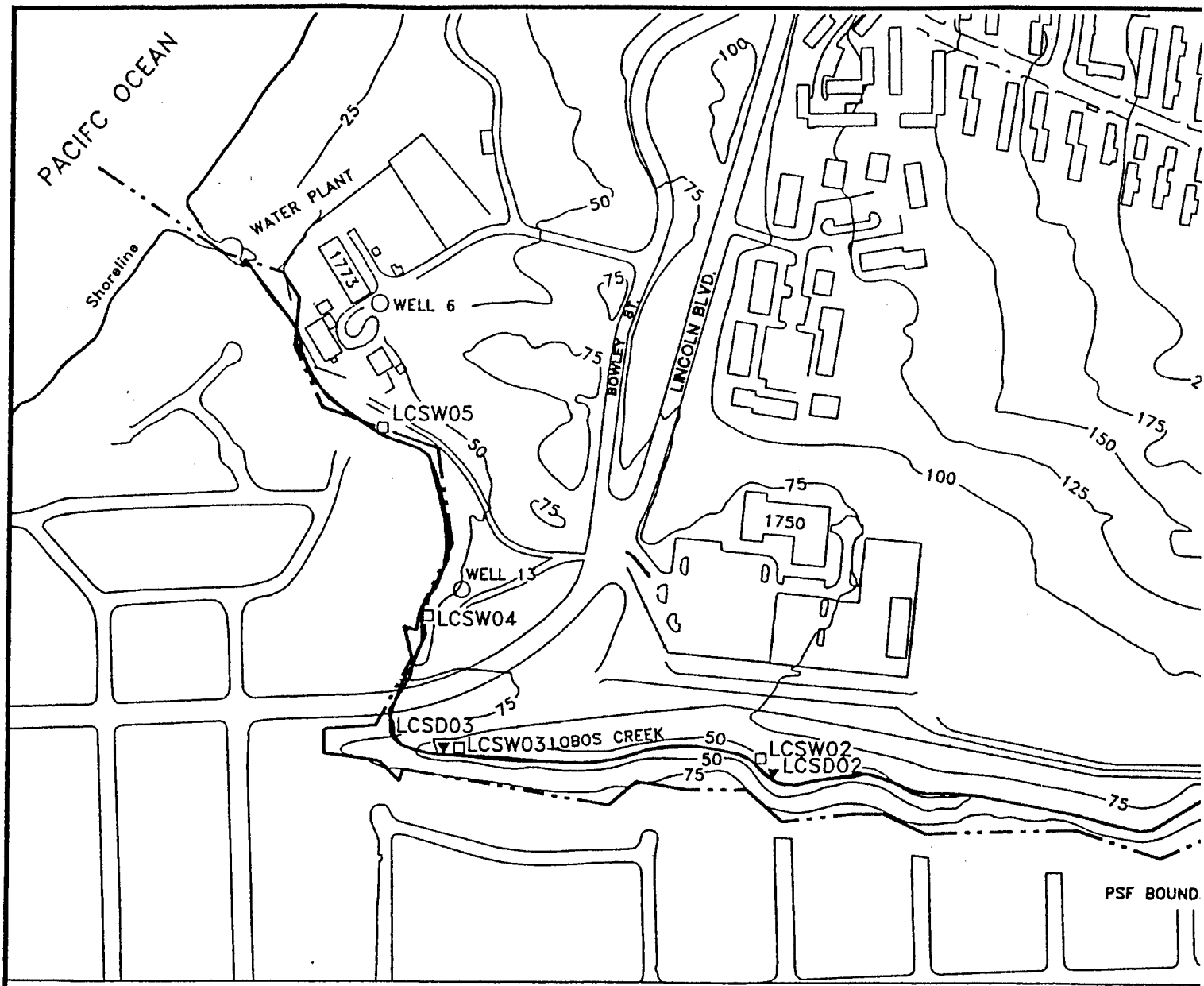
PSF PORTION OF LOBOS CREEK SURFACE DRAINAGE BASIN

DAMES & MOORE

MISCELLANEOUS SITES
LOBOS CREEK
SURFACE DRAINAGE BASIN

PSF25159/DV2

Date: January 1997 | Figure 10.6-2

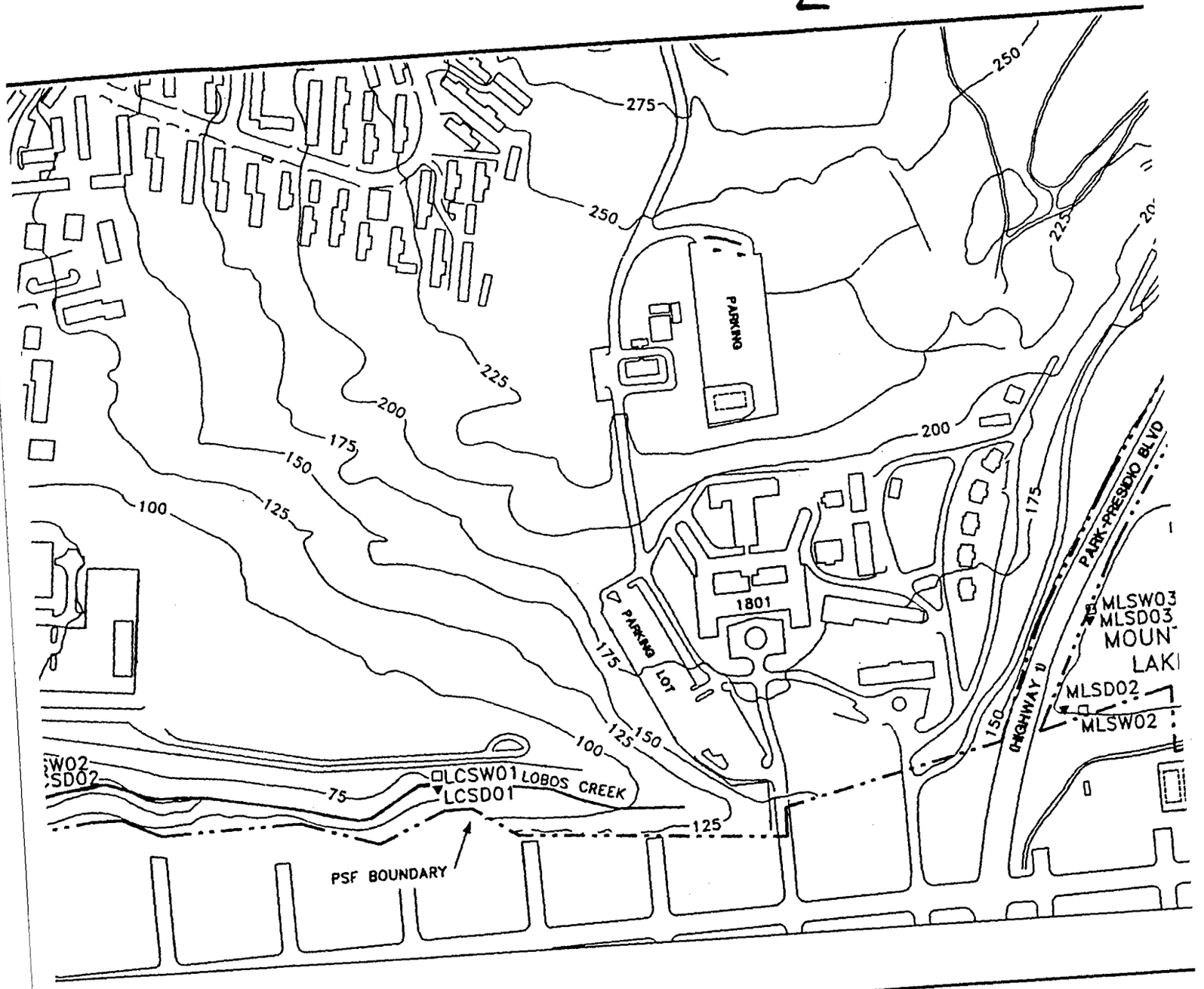


EXPLANATION

- ▼ SEDIMENT SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- ⊕ IRRIGATION WELL
- ○ SOURCE WATER WELL
- □ SURFACE WATER SAMPLE

~275~ TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET

ELEVATIONS IN
FEET–PRESIDIO LOWER LOW WATER



HIC CONTOUR
INTERVAL 25 FEET

S IN
IDIO LOWER LOW WATER

N

0 200 400
FEET

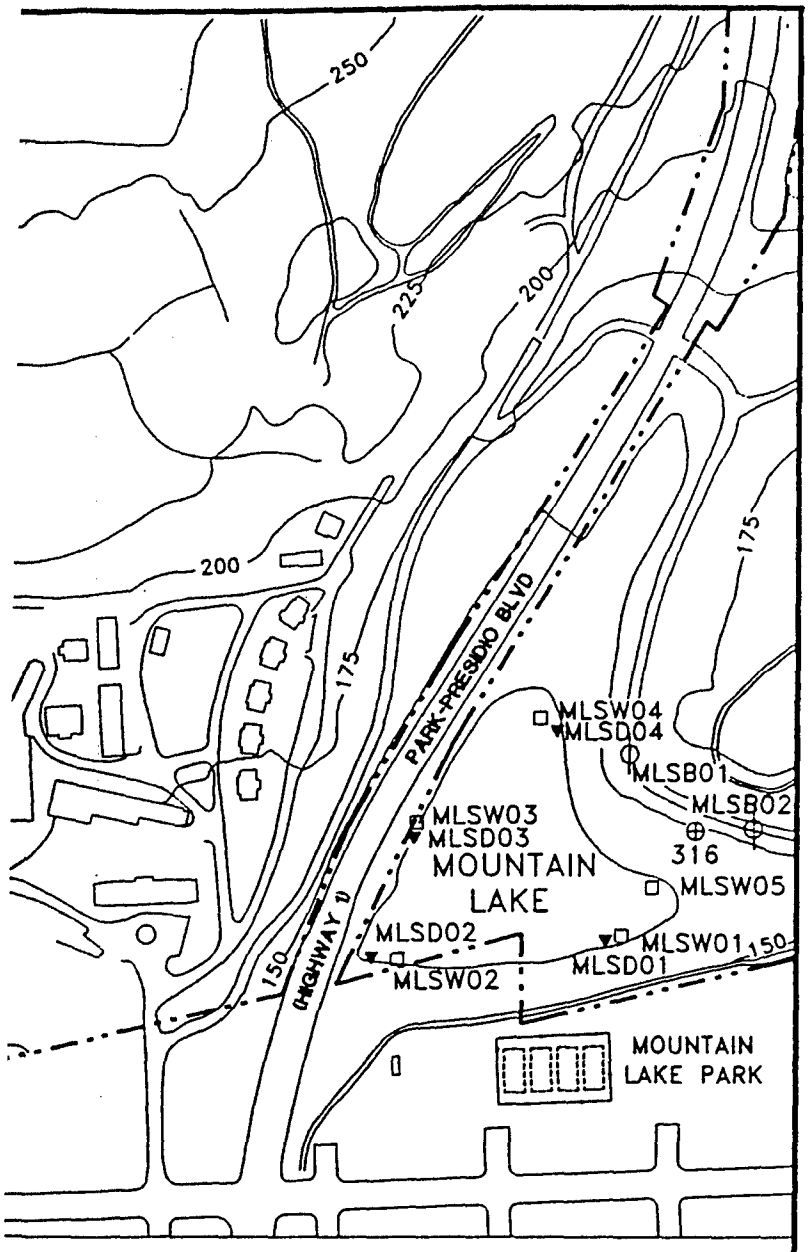
DAMES & M

MISCELLANEOUS
MOUNTAIN LAKE, LOBO
& SOURCE WATER
SAMPLE LOCATIO

PSF25046/DV2

Date: January 1997 | Figur

3

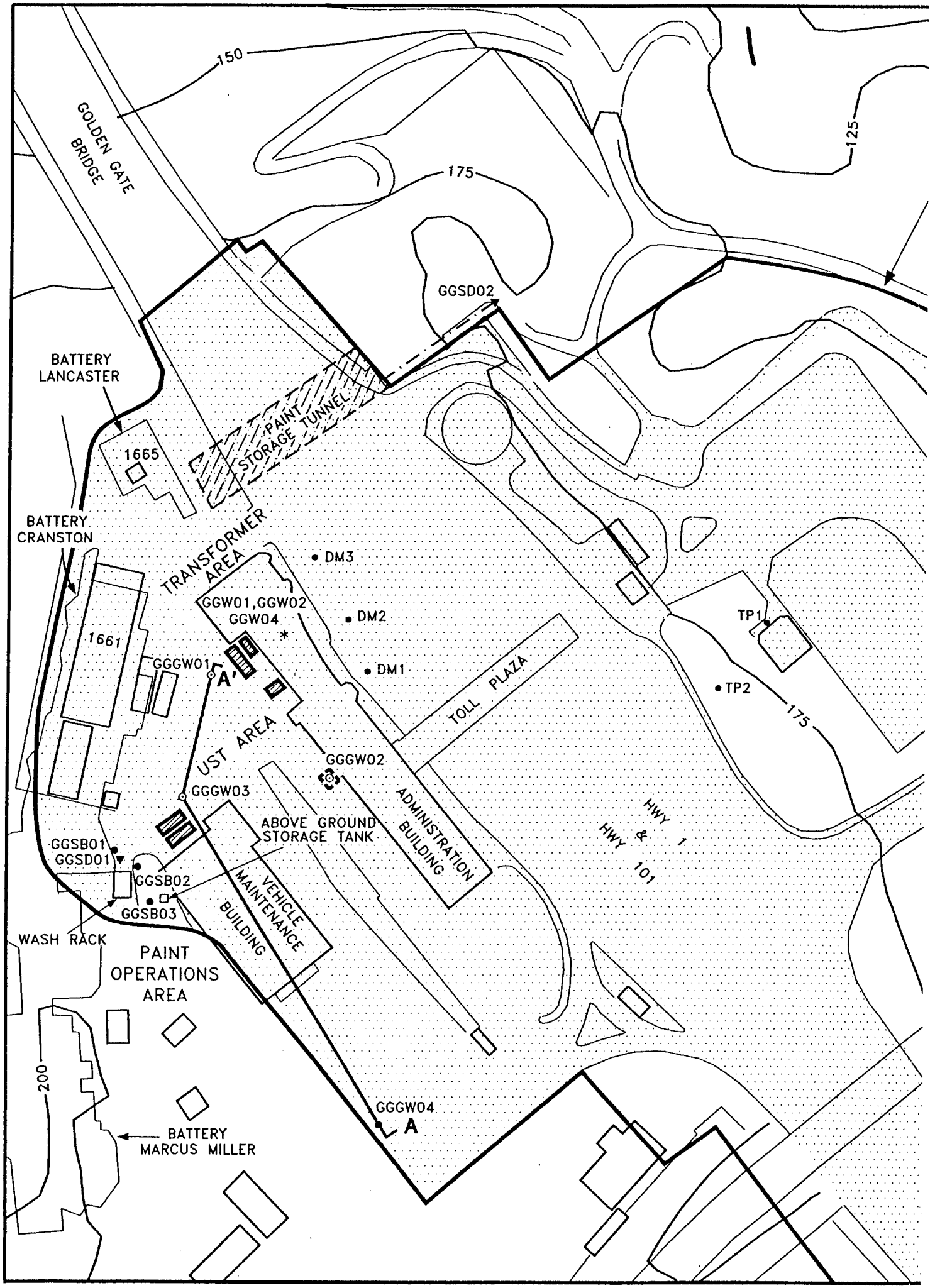


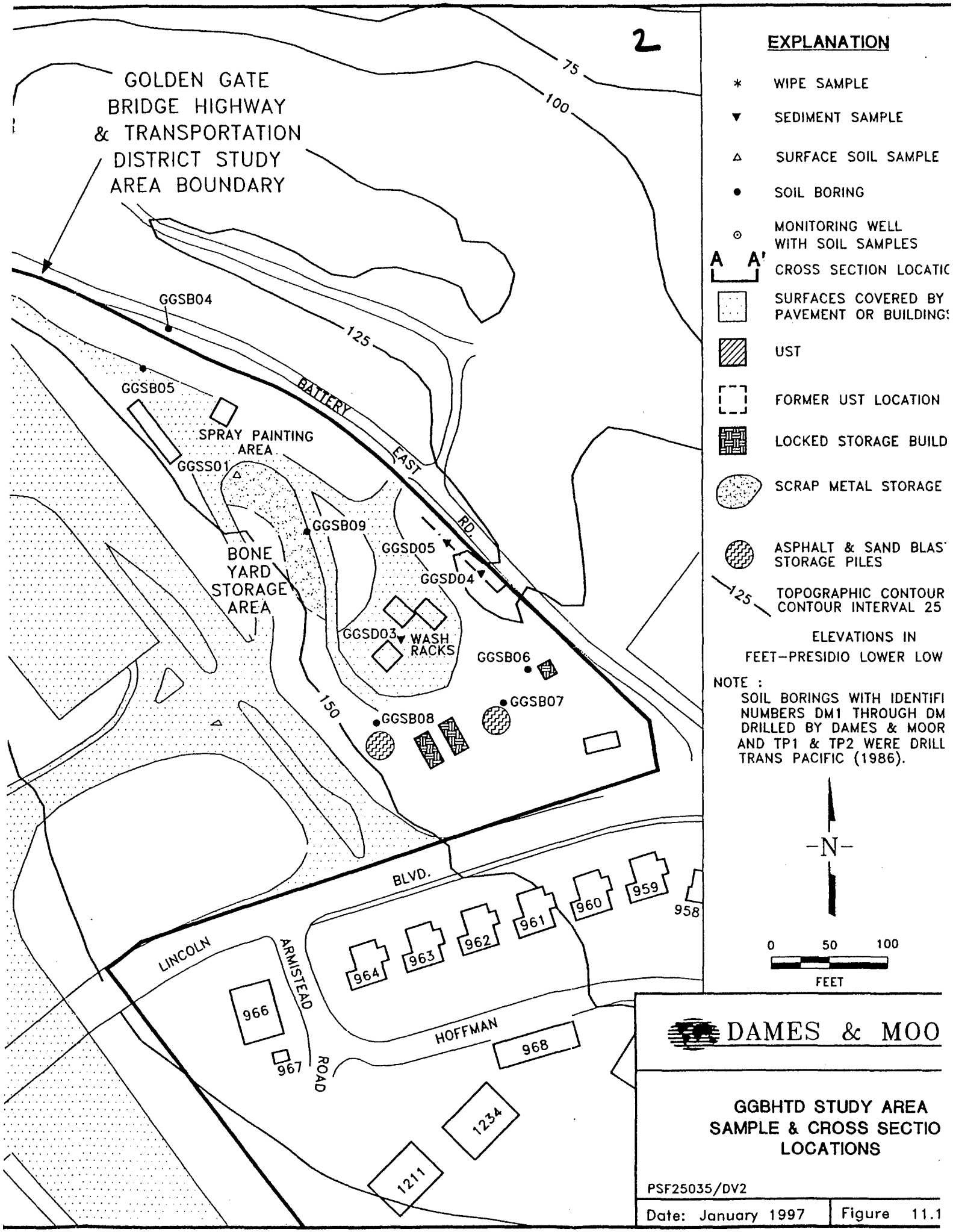
DAMES & MOORE

MISCELLANEOUS SITES
MOUNTAIN LAKE, LOBOS CREEK
& SOURCE WATER AREAS
SAMPLE LOCATIONS

PSF25046/DV2

Date: January 1997	Figure 10.6-3


150
GOLDEN GATE BRIDGE
175
125
GGSD02
BATTERY LANCASTER
PAINT STORAGE TUNNEL
1665
BATTERY CRANSTON
TRANSFORMER AREA
DM3
GGW01,GGW02
GGW04
DM2
TP1
1661
GGGW01
A'
DM1
TOLL PLAZA
TP2
175
UST AREA
GGGW02
GGGW03
ADMINISTRATION BUILDING
HWY 1 & HWY 101
ABOVE GROUND STORAGE TANK
GGSB01
GGSD01
GGSB02
GGSB03
VEHICLE MAINTENANCE BUILDING
WASH RACK
PAINT OPERATIONS AREA
200
GGGW04
A
BATTERY MARCUS MILLER

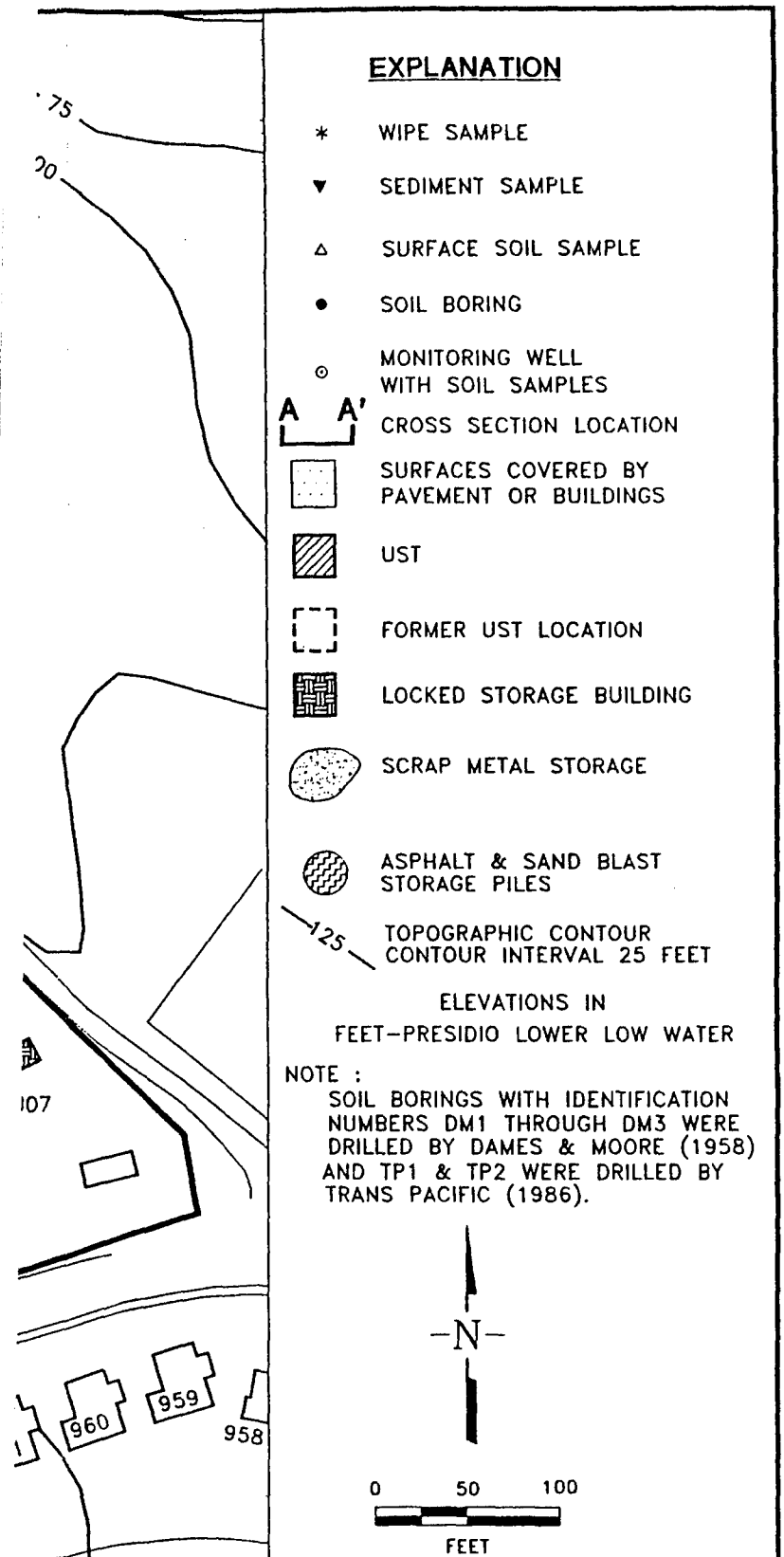


DAMES & MOO

GGBHTD STUDY AREA
SAMPLE & CROSS SECTIO
LOCATIONS

PSF25035/DV2

Date: January 1997 | Figure 11.1



EXPLANATION

- * WIPE SAMPLE
- ▼ SEDIMENT SAMPLE
- △ SURFACE SOIL SAMPLE
- ● SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- A A' CROSS SECTION LOCATION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- UST
- FORMER UST LOCATION
- LOCKED STORAGE BUILDING
- SCRAP METAL STORAGE
- ASPHALT & SAND BLAST STORAGE PILES
- 125 TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE :
SOIL BORINGS WITH IDENTIFICATION NUMBERS DM1 THROUGH DM3 WERE DRILLED BY DAMES & MOORE (1958) AND TP1 & TP2 WERE DRILLED BY TRANS PACIFIC (1986).

–N–

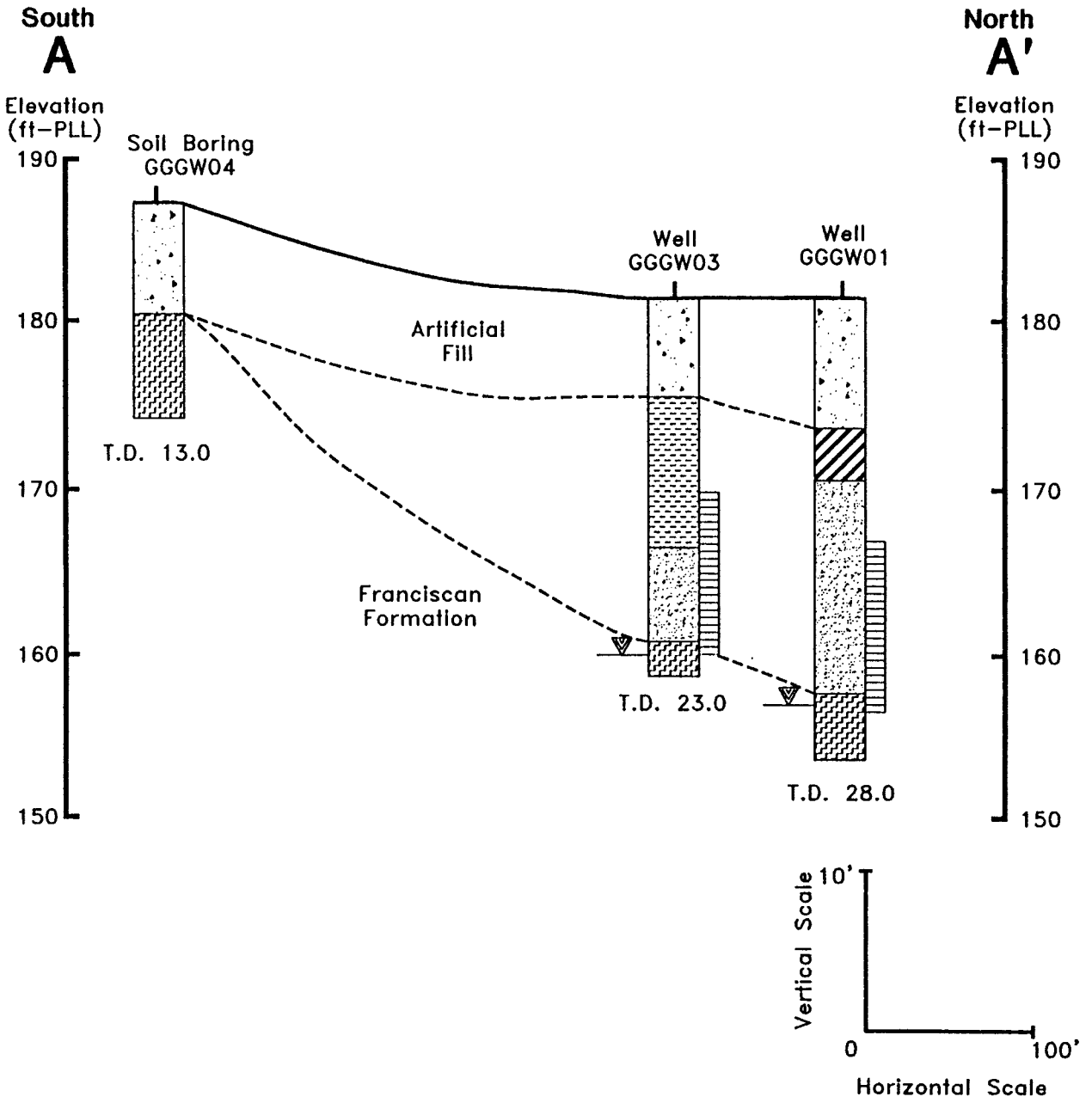
0 50 100
FEET

DAMES & MOORE

GGBHTD STUDY AREA
SAMPLE & CROSS SECTION LOCATIONS

PSF25035/DV2

Date: January 1997 | Figure 11.1–1



EXPLANATION

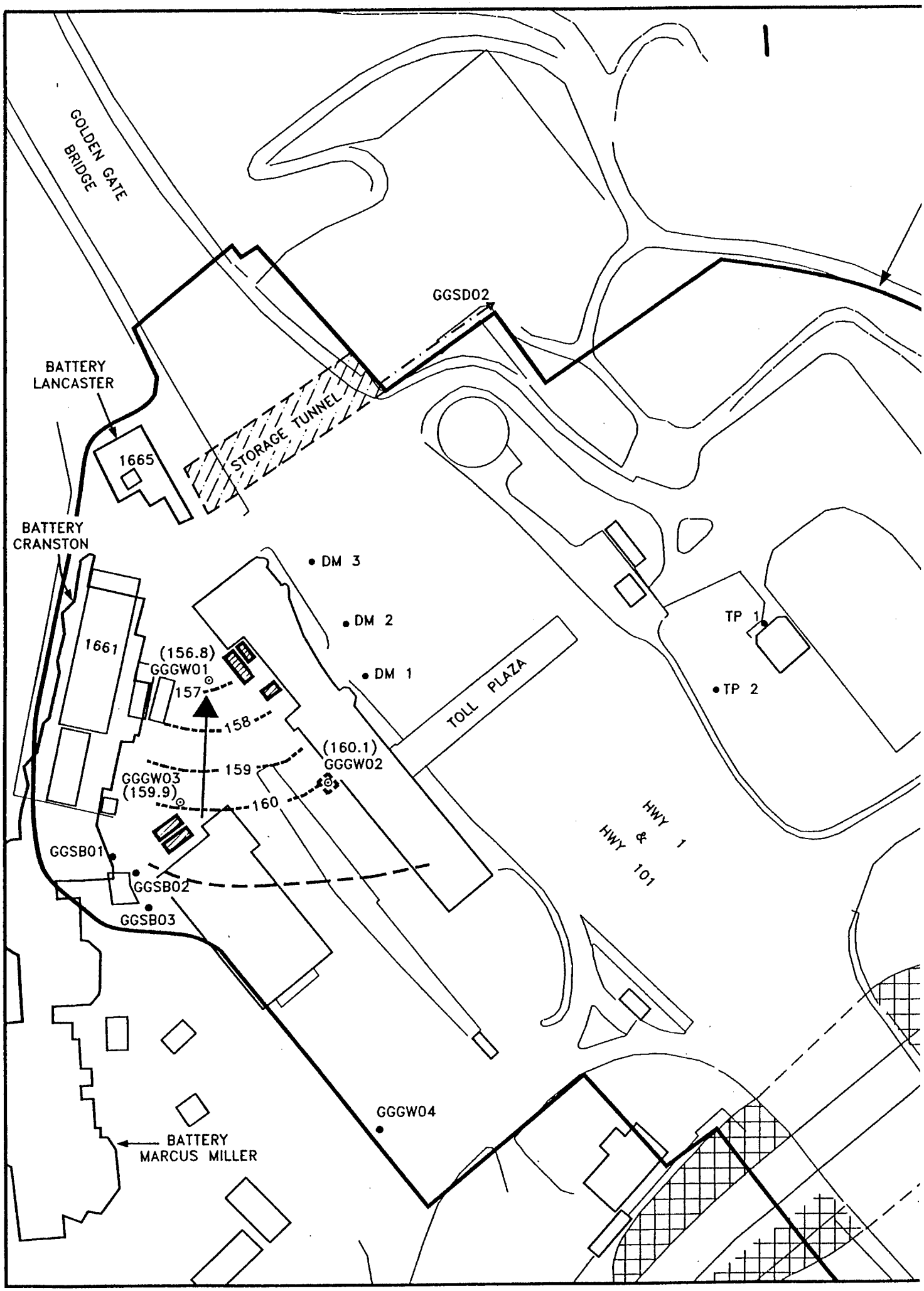
- Artificial Fill
- Clay
- Silt
- Sand
- Serpentinite
- Contact, dashed where inferred
- Water Level (9/11/92)
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- Well Screen Interval

DAMES & MOORE

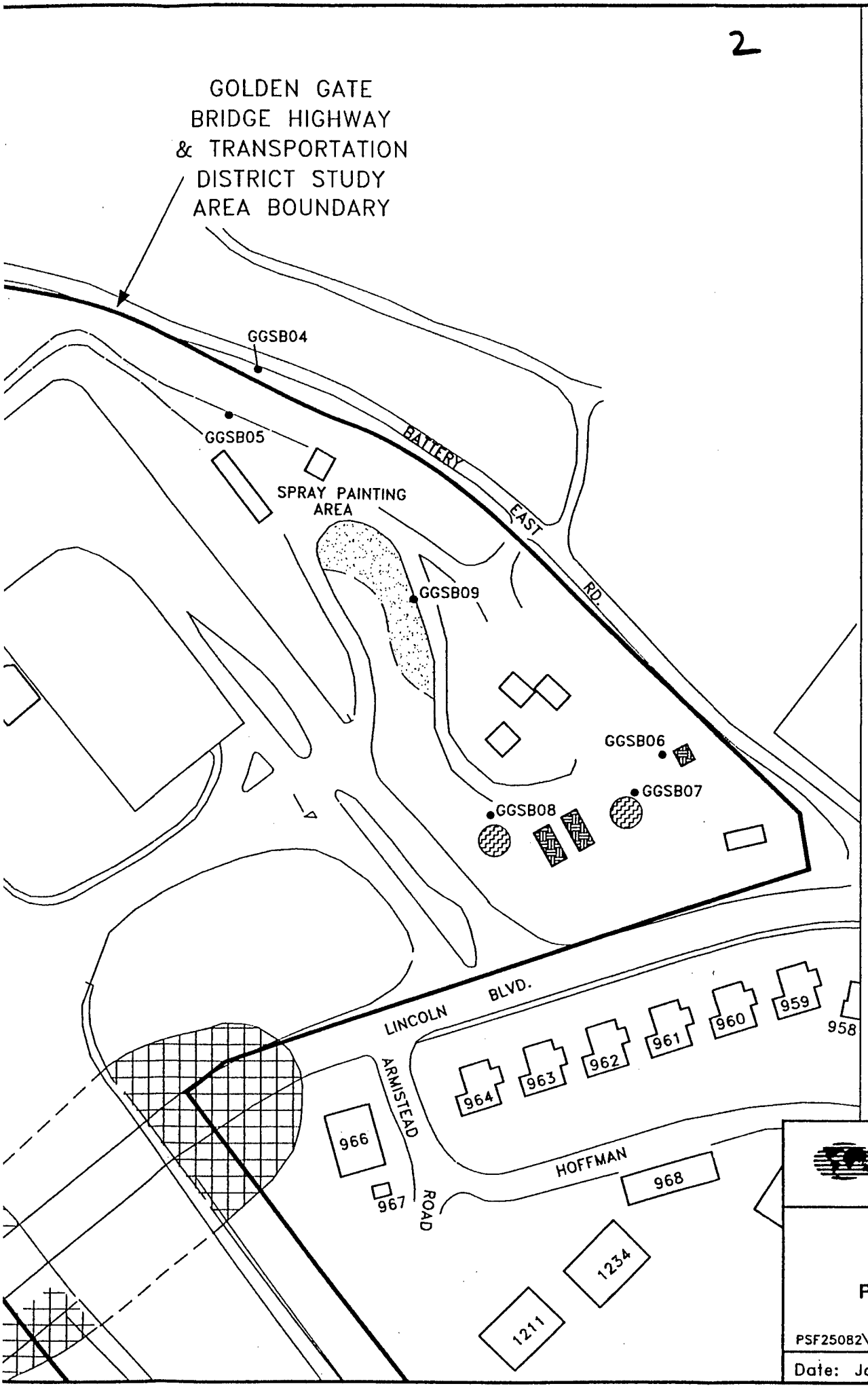
GGBHTD STUDY AREA
CROSS SECTION A-A'

PSF25034/DV1

Date: January 1997 | Figure 11.3-1


GOLDEN GATE BRIDGE
GGSD02
BATTERY LANCASTER
STORAGE TUNNEL
1665
BATTERY CRANSTON
1661
DM 3
DM 2
DM 1
TOLL PLAZA
TP 1
TP 2
(156.8)
GGGW01
157
158
159
(160.1)
GGGW02
GGGW03
(159.9)
160
HWY 1
&
HWY 101
GGSB01
GGSB02
GGSB03
GGGW04
BATTERY MARCUS MILLER

2



EXPLAN

- SEDIMENT SA
- SOIL BORING
- MONITORING V
- (160.1) POTENTIOMETR ELEVATION (9/11/92)
- —159— EQUIPOTENTIAI DASHED WHEF
- CONTOUR INTI
- GROUNDWATER DIRECTION
- ESTIMATED BO SATURATED AI SEDIMENT.
- SERPENTINITE
- UST
- FORMER UST
- LOCKED STOR.
- SCRAP METAL
- ASPHALT & S. STORAGE PILE

NOTE :
SOIL BORINGS WITI
NUMBERS DM1 THF
DRILLED BY DAMES
AND TP1 &TP2 WE
TRANS PACIFIC (19

ELEVATIONS IN FEET–I
LOW WATER

N

0 50

FEE

DAMES &

GGBHTD STUDY
POTENTIOMETRIC SU

PSF25082\DV2

Date: January 1997 | Figur

3

EXPLANATION

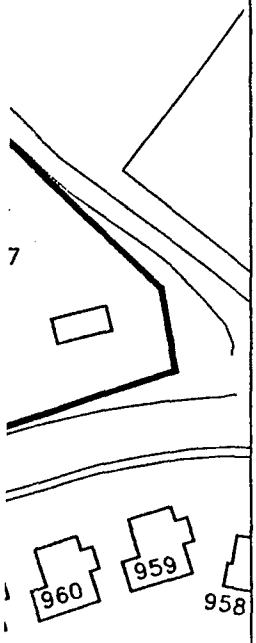
- ▼ SEDIMENT SAMPLE
- ● SOIL BORING
- ⊙ (160.1) MONITORING WELL POTENTIOMETRIC SURFACE ELEVATION (9/11/92)
- —159— EQUIPOTENTIAL CONTOUR, DASHED WHERE INFERRED

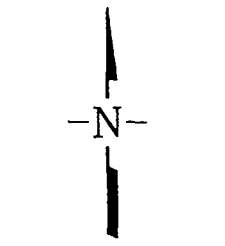
CONTOUR INTERVAL 1 FOOT

- → GROUNDWATER FLOW DIRECTION
- – – – ESTIMATED BOUNDARY BETWEEN SATURATED AND UNSATURATED SEDIMENT.
- SERPENTINITE OUTCROP
- UST
- FORMER UST LOCATION
- LOCKED STORAGE BUILDING
- SCRAP METAL STORAGE
- ASPHALT & SAND BLAST STORAGE PILES

NOTE :
SOIL BORINGS WITH IDENTIFICATION NUMBERS DM1 THROUGH DM3 WERE DRILLED BY DAMES & MOORE (1958) AND TP1 &TP2 WERE DRILLED BY TRANS PACIFIC (1986).

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER



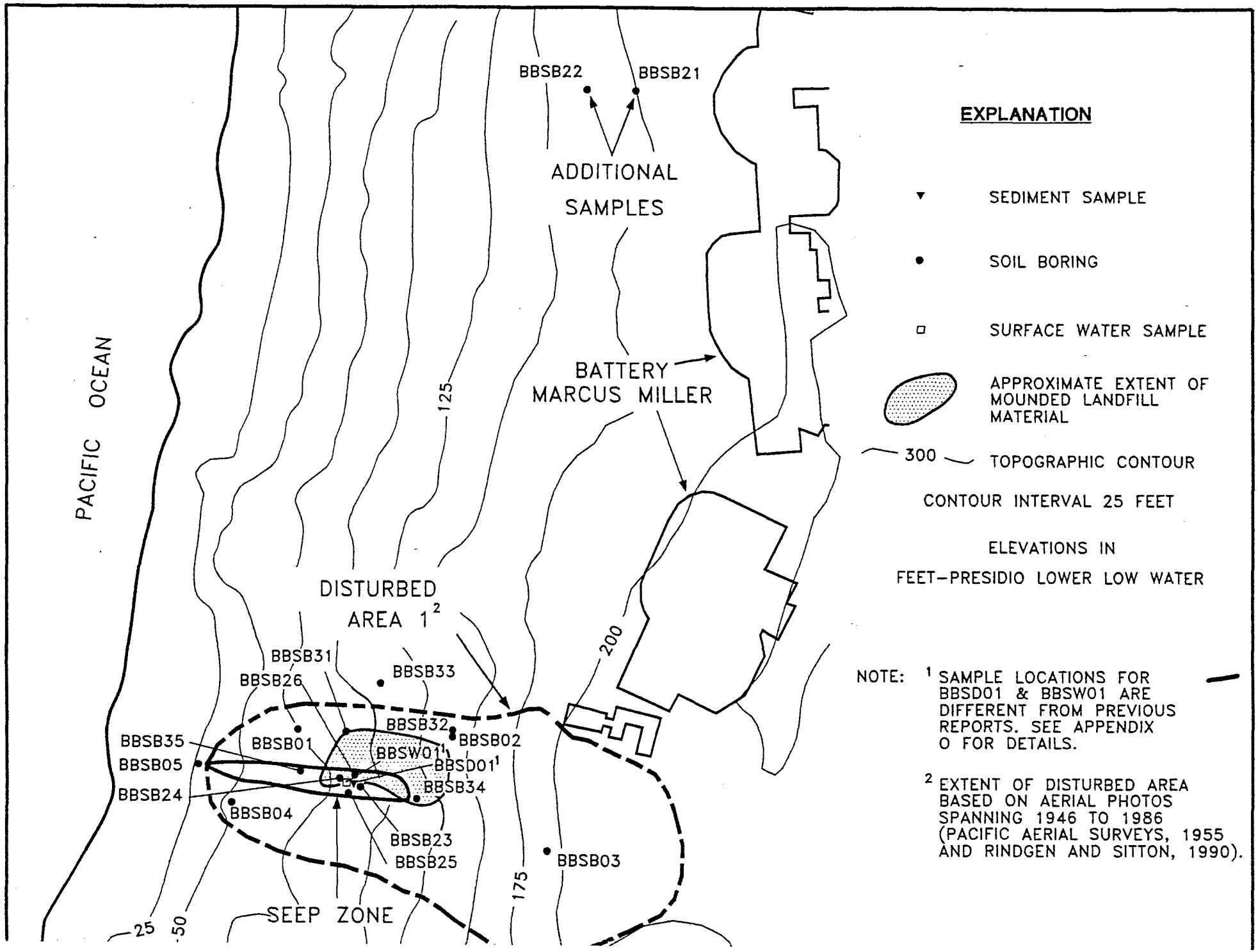


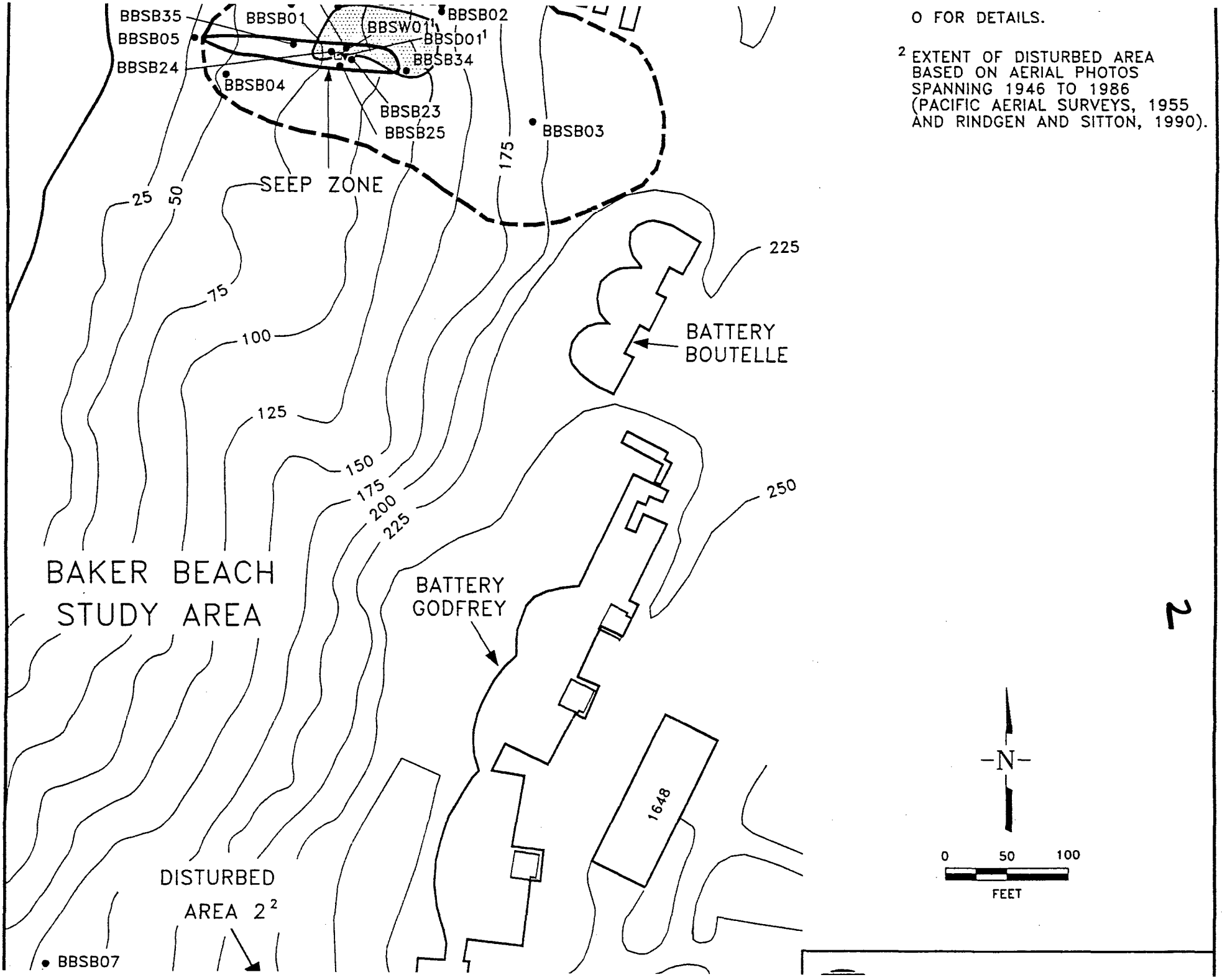
DAMES & MOORE

GGBHTD STUDY AREA
POTENTIOMETRIC SURFACE MAP

PSF25082\DV2

Date: January 1997 | Figure 11.3-2

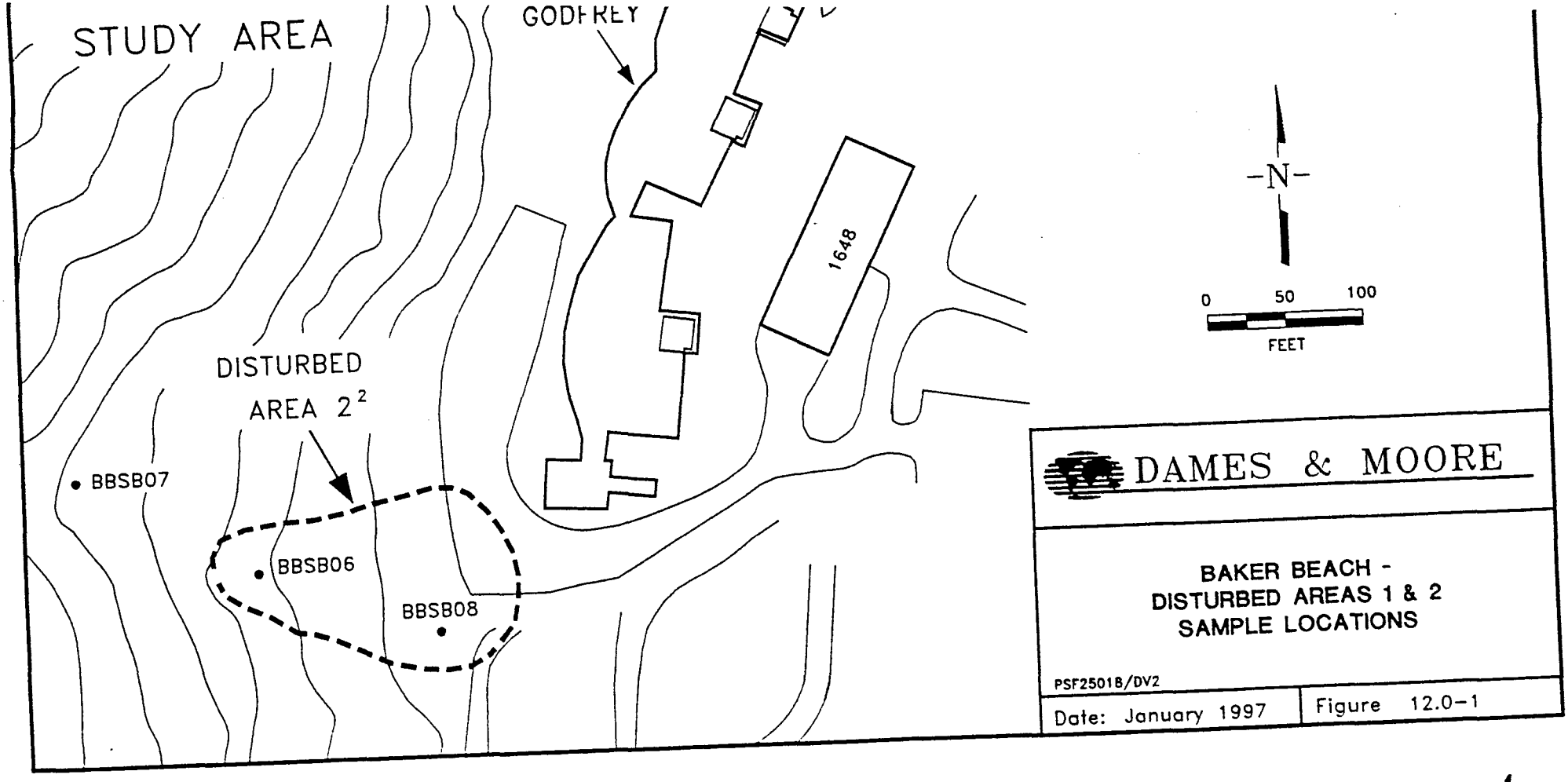

PACIFIC OCEAN
BBSB22
BBSB21
ADDITIONAL SAMPLES
BATTERY MARCUS MILLER
125
DISTURBED AREA 1 2
200
BBSB31
BBSB26
BBSB33
BBSB32
BBSB02
BBSB35
BBSB01
BBSW01 1
BBSB05
BBSD01 1
BBSB24
BBSB34
BBSB04
BBSB23
BBSB25
BBSB03
175
SEEP ZONE
25
50
EXPLANATION
SEDIMENT SAMPLE
SOIL BORING
SURFACE WATER SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
300
TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET
ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER
NOTE: 1 SAMPLE LOCATIONS FOR BBSD01 & BBSW01 ARE DIFFERENT FROM PREVIOUS REPORTS. SEE APPENDIX O FOR DETAILS.
2 EXTENT OF DISTURBED AREA BASED ON AERIAL PHOTOS SPANNING 1946 TO 1986 (PACIFIC AERIAL SURVEYS, 1955 AND RINDGEN AND SITTON, 1990).



O FOR DETAILS.

[2] EXTENT OF DISTURBED AREA BASED ON AERIAL PHOTOS SPANNING 1946 TO 1986 (PACIFIC AERIAL SURVEYS, 1955 AND RINDGEN AND SITTON, 1990).

2



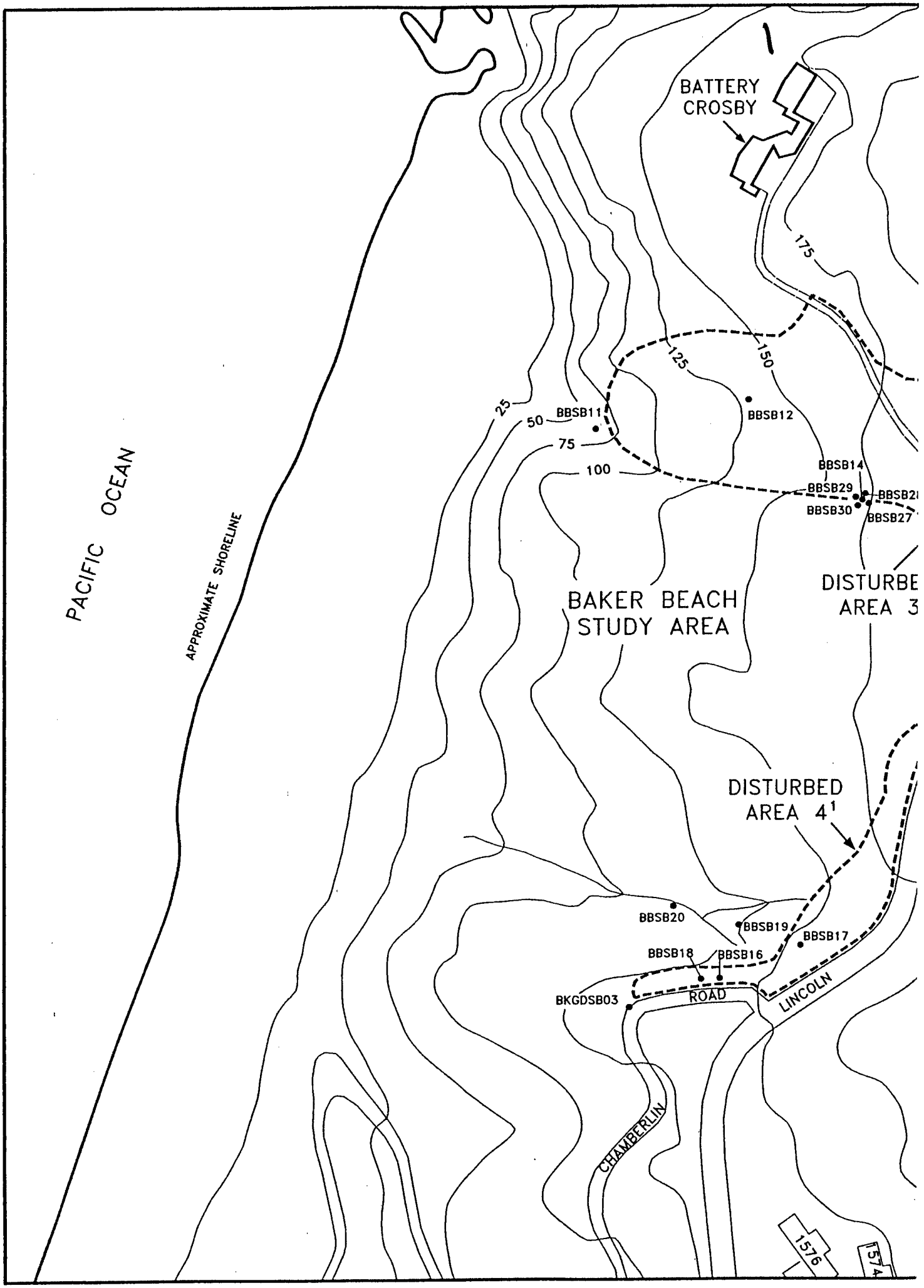
DAMES & MOORE

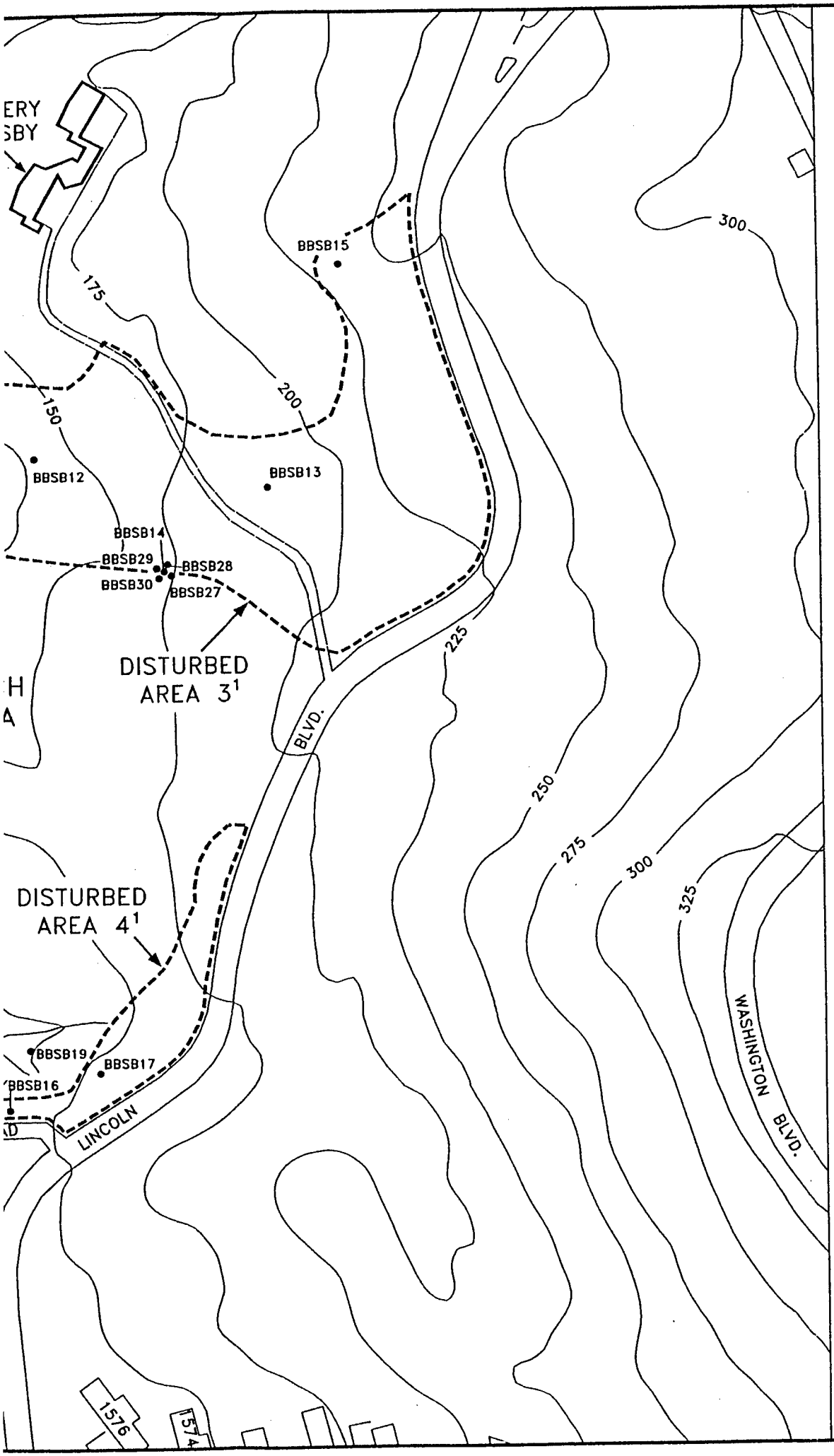
BAKER BEACH -
DISTURBED AREAS 1 & 2
SAMPLE LOCATIONS

PSF25018/DV2

Date: January 1997

Figure 12.0-1


PACIFIC OCEAN
APPROXIMATE SHORELINE
BATTERY CROSBY
175
150
125
100
75
50
25
BBSB11
BBSB12
BBSB14
BBSB29
BBSB30
BBSB27
BAKER BEACH STUDY AREA
DISTURBE
AREA 3
DISTURBED AREA 4[1]
BBSB20
BBSB19
BBSB17
BBSB18
BBSB16
BKGDSB03
ROAD
LINCOLN
CHAMBERLIN
1576



2

EXPLANATIO

• SOIL BORING

325 TOPOGRAPHIC

CONTOUR INTERV

ELEVATIO
FEET–PRESIDIO L

NOTE: [1] EXTENT OF DIST
BASED ON AERIA
SPANNING 1946
(PACIFIC AERIAL
AND RINDGEN A

0 7
FE

DAMES

BAKER
DISTURBED
SAMPLE L

PSF25017/DV2

Date: January 1997

3

EXPLANATION

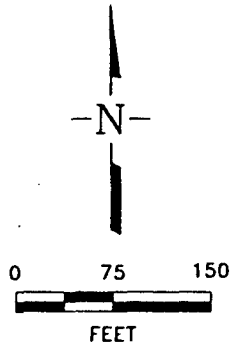
• SOIL BORING

~325~ TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN
FEET–PRESIDIO LOWER LOW WATER

NOTE: [1] EXTENT OF DISTURBED AREA BASED ON AERIAL PHOTES SPANNING 1946 TO 1986 (PACIFIC AERIAL SURVEYS, 1955 AND RINDGEN AND SITTON, 1990).



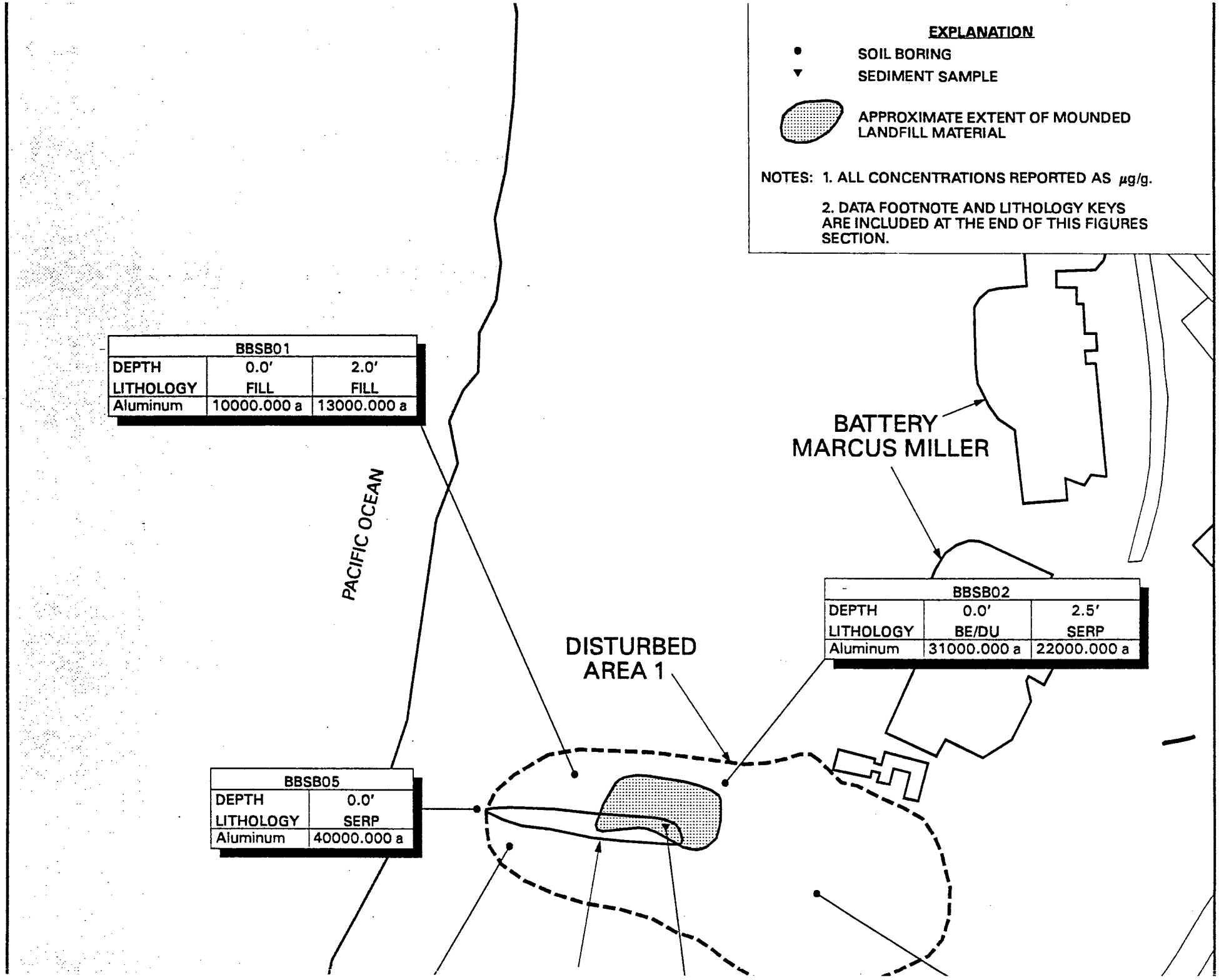
BLVD.

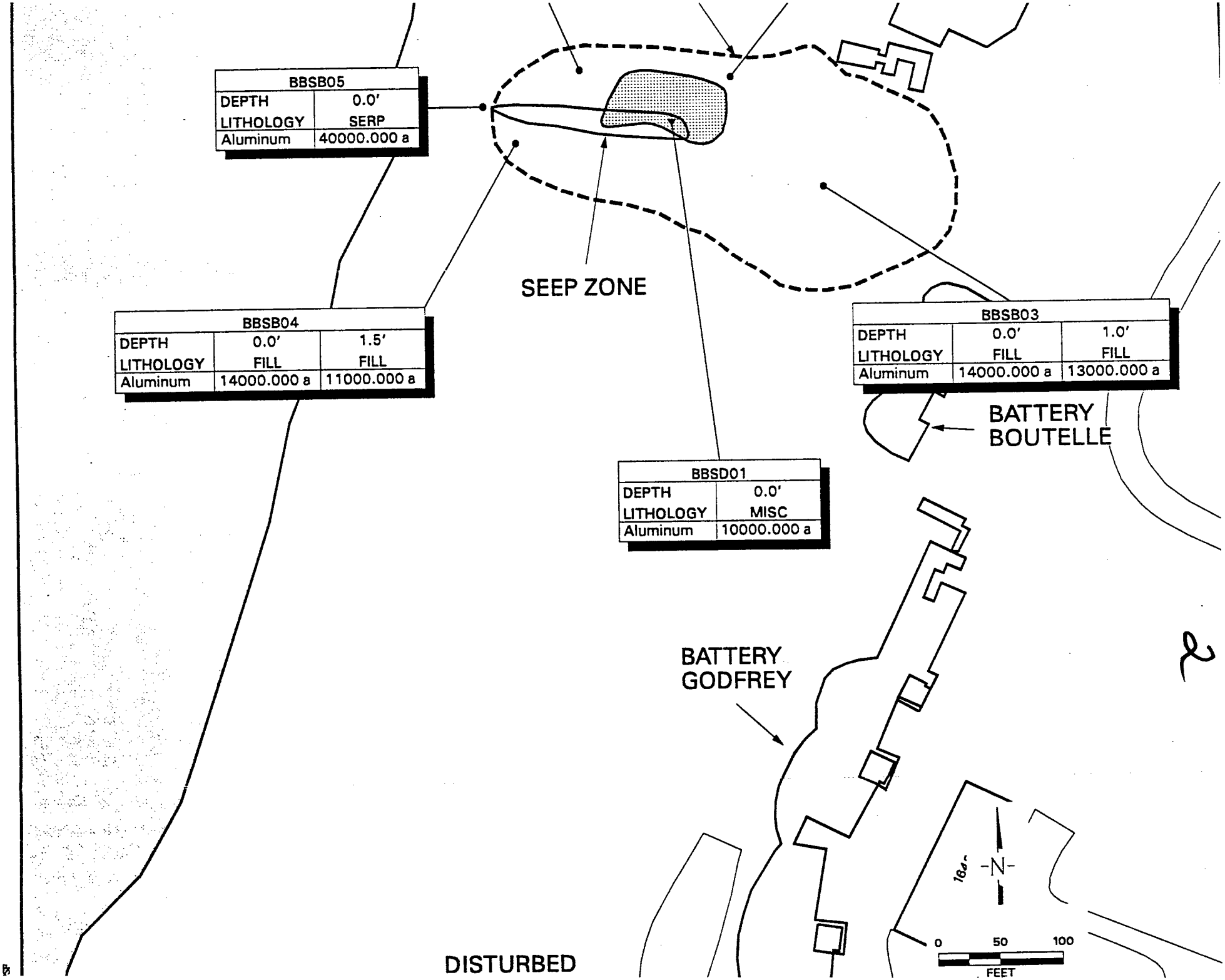
DAMES & MOORE

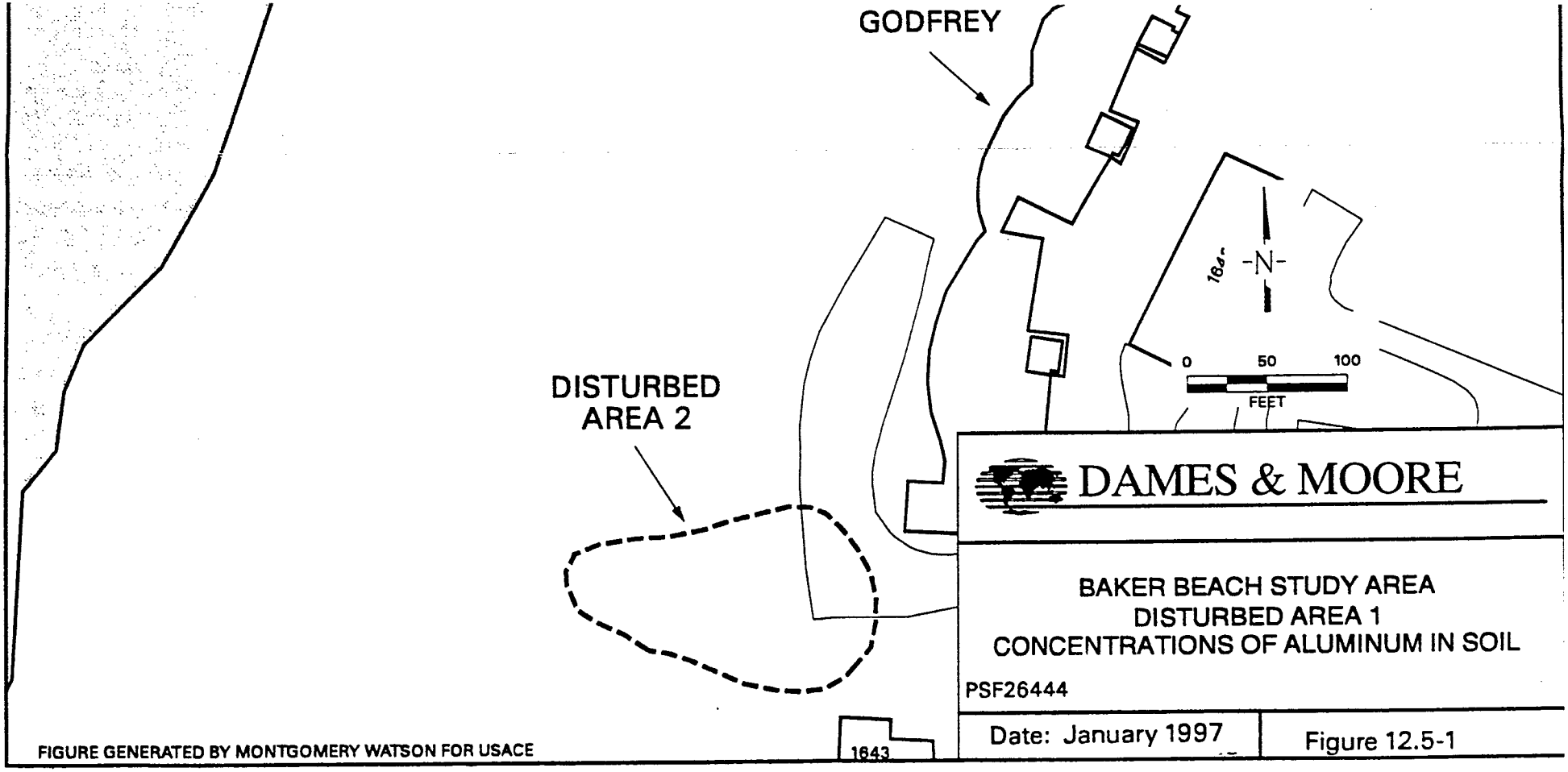
**BAKER BEACH -
DISTURBED AREAS 3 & 4
SAMPLE LOCATIONS**

PSF25017/DV2

Date: January 1997 | Figure 12.0-2


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Aluminum 10000.000 a 13000.000 a
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Aluminum 31000.000 a 22000.000 a
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Aluminum 40000.000 a


BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Aluminum 40000.000 a
SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Aluminum 14000.000 a 11000.000 a
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Aluminum 14000.000 a 13000.000 a
BATTERY BOUTELLE
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Aluminum 10000.000 a
BATTERY GODFREY
DISTURBED
N
0 50 100
FEET



DAMES & MOORE

BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26444

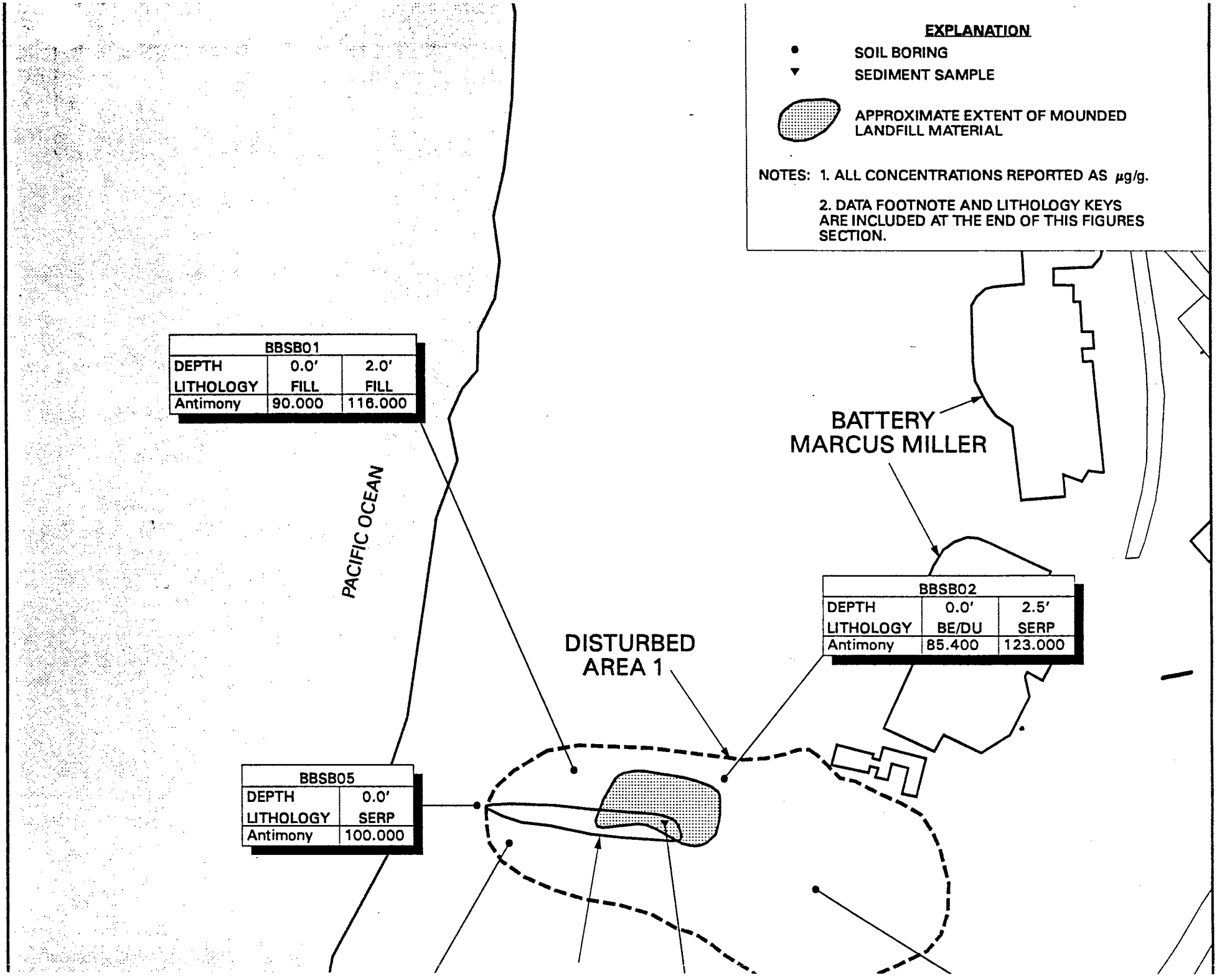
Date: January 1997

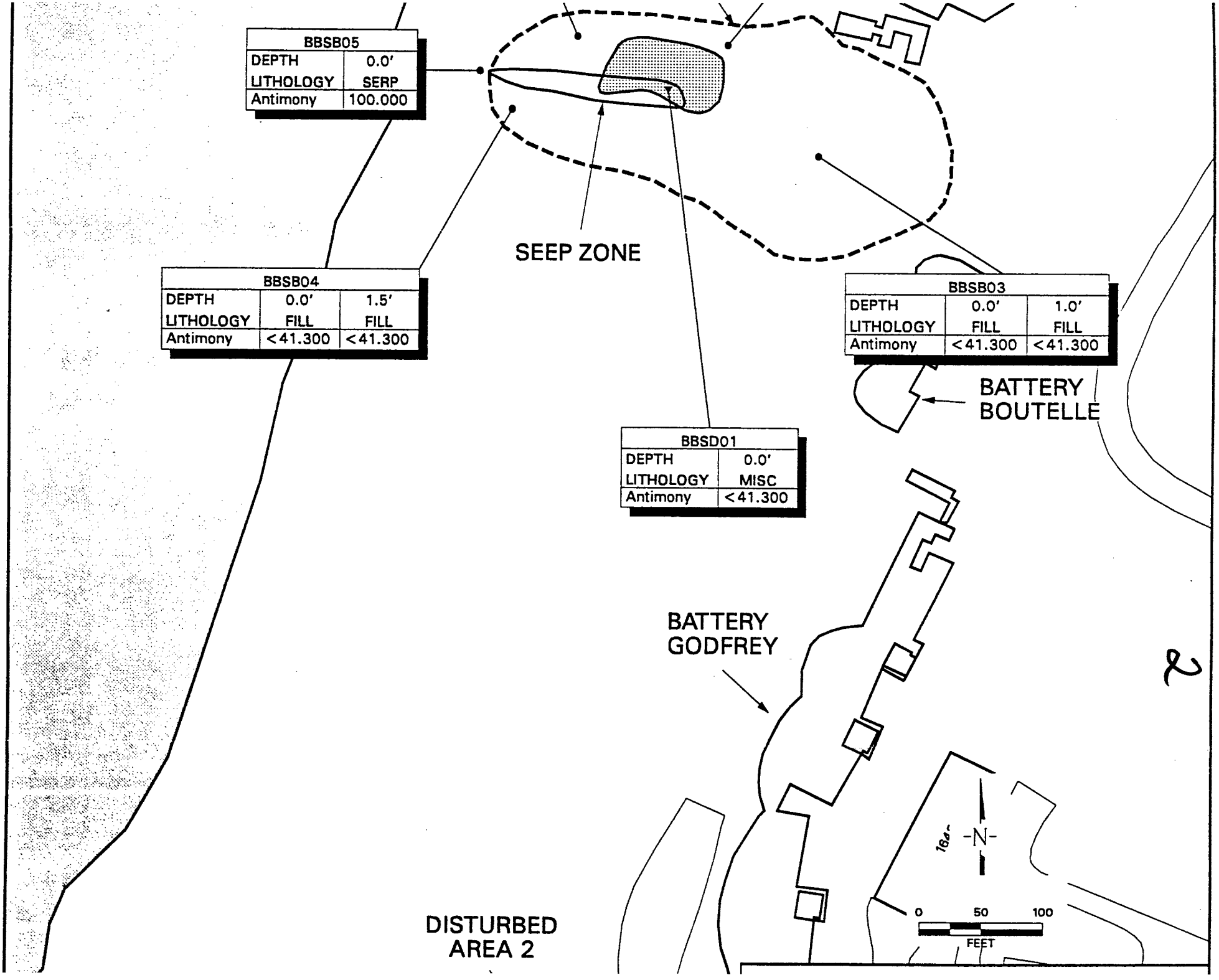
Figure 12.5-1

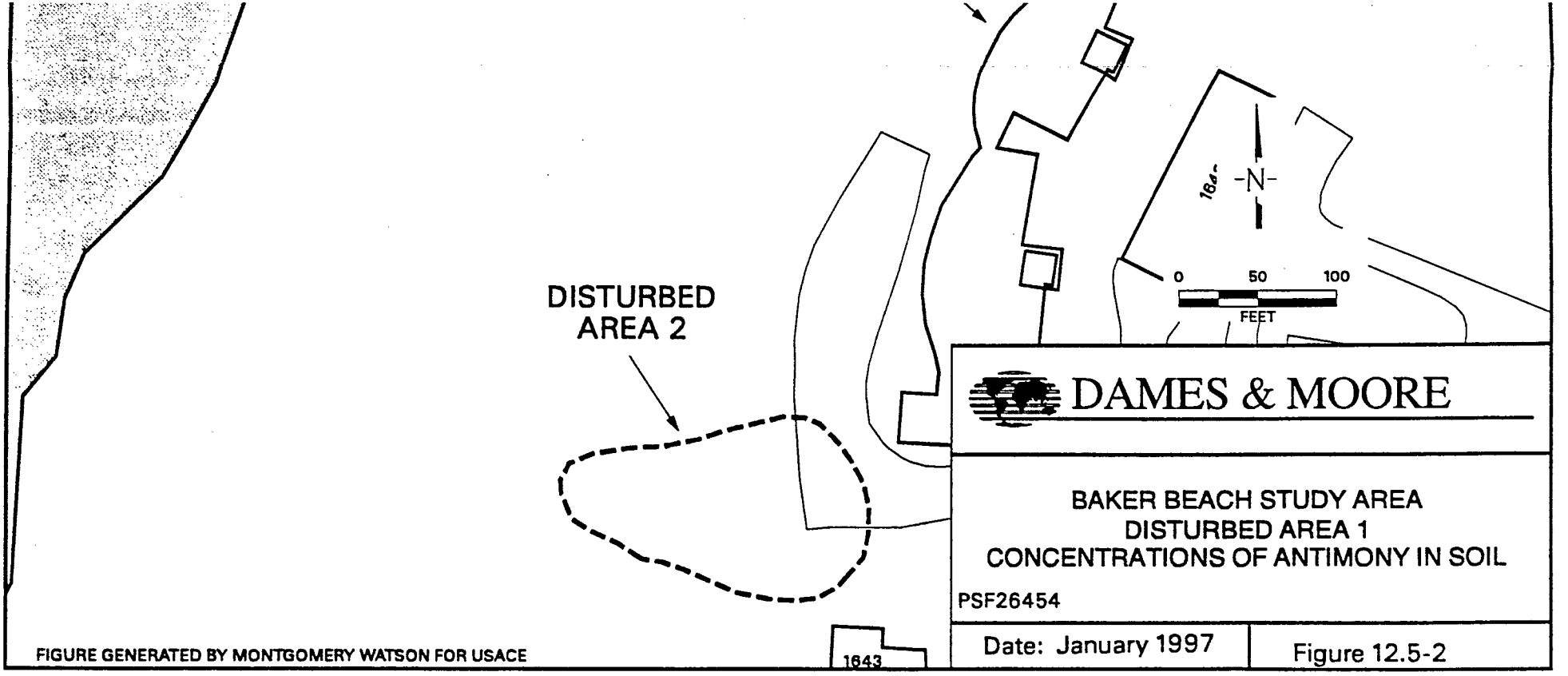
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

25 Nov 96 13:20:11 Monday, base_11x17_v3.arnl, plotfile base_DA1_S_1.grn, PSF

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Antimony 90.000 116.000
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Antimony 85.400 123.000
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Antimony 100.000


BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Antimony 100.000
SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Antimony <41.300 <41.300
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Antimony <41.300 <41.300
BATTERY BOUTELLE
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Antimony <41.300
BATTERY GODFREY
DISTURBED AREA 2
N
0 50 100
FEET



DAMES & MOORE

BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF ANTIMONY IN SOIL

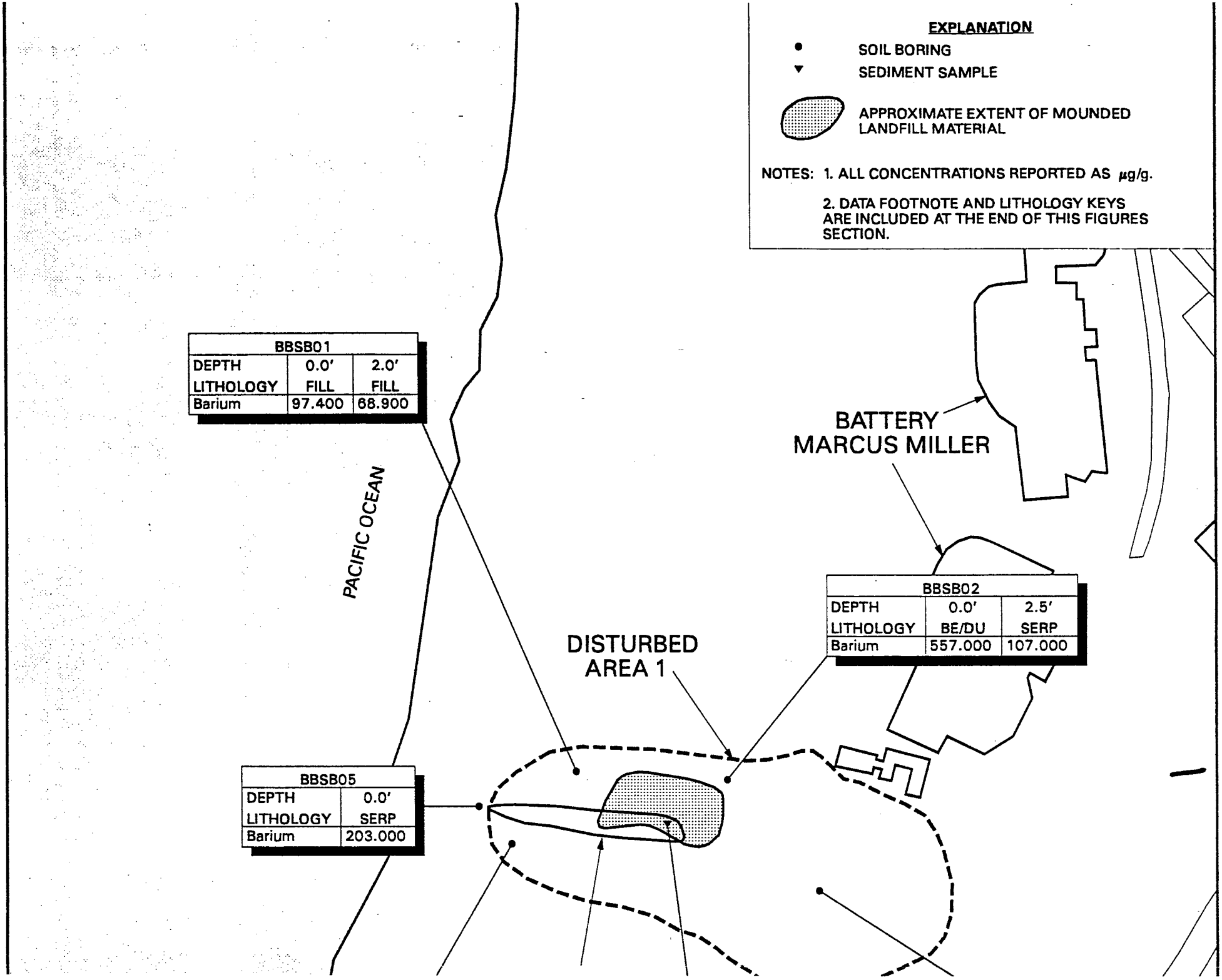
PSF26454

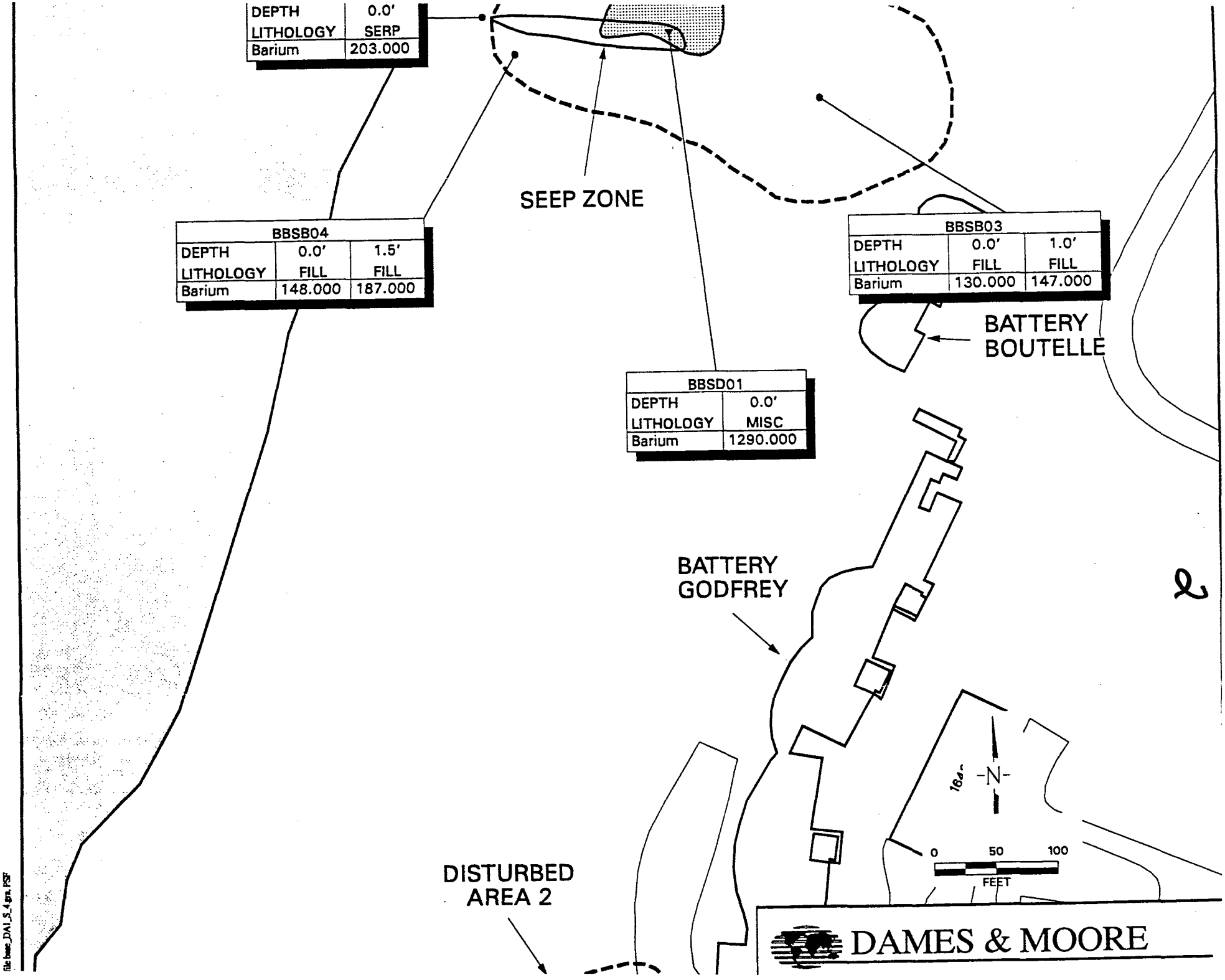
Date: January 1997

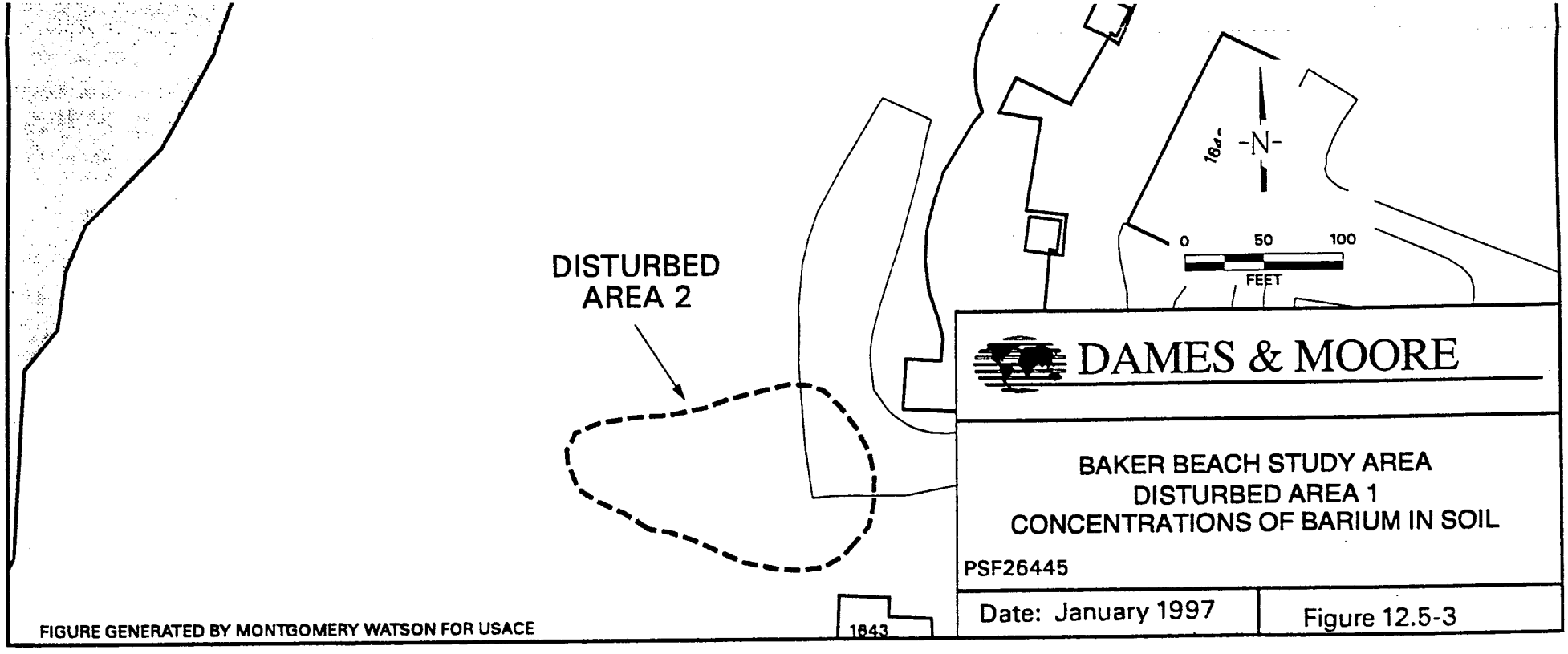
Figure 12.5-2

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

25 Nov 96 13:21:34 Monday, base_11x17_v3.smd, plotfile base_DA1_5_2.grn, PSF


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH | 0.0' | 2.0'
LITHOLOGY | FILL | FILL
Barium | 97.400 | 68.900
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH | 0.0' | 2.5'
LITHOLOGY | BE/DU | SERP
Barium | 557.000 | 107.000
DISTURBED AREA 1
BBSB05
DEPTH | 0.0'
LITHOLOGY | SERP
Barium | 203.000


DEPTH 0.0'
LITHOLOGY SERP
Barium 203.000
SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Barium 148.000 187.000
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Barium 130.000 147.000
BATTERY BOUTELLE
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Barium 1290.000
BATTERY GODFREY
DISTURBED AREA 2
-N-
0 50 100
FEET
DAMES & MOORE



23 Nov 96 13:23:21 Monday, base_11x17_v3.arnl, plotfile base_DA1_5_4.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

DAMES & MOORE

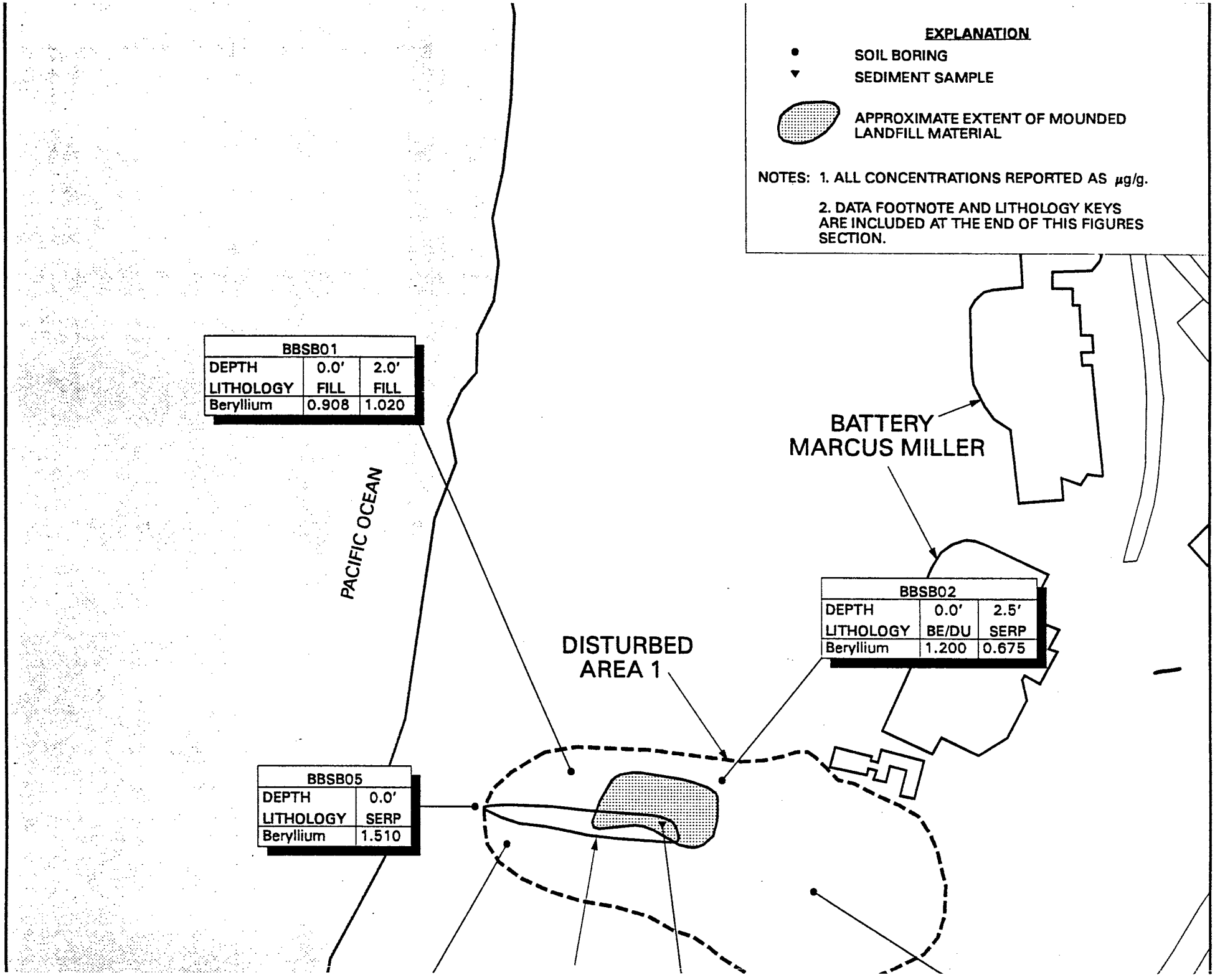
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF BARIUM IN SOIL

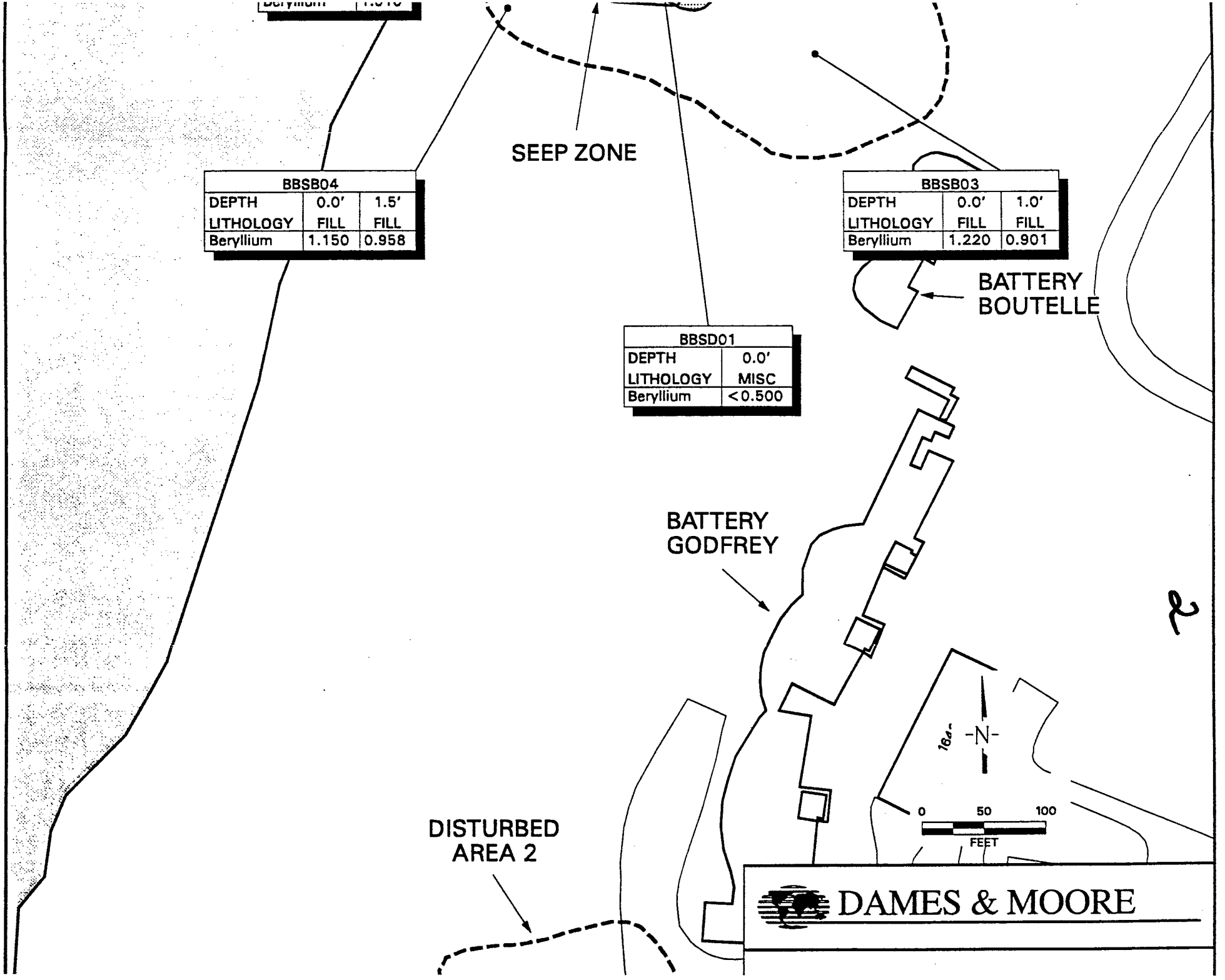
PSF26445

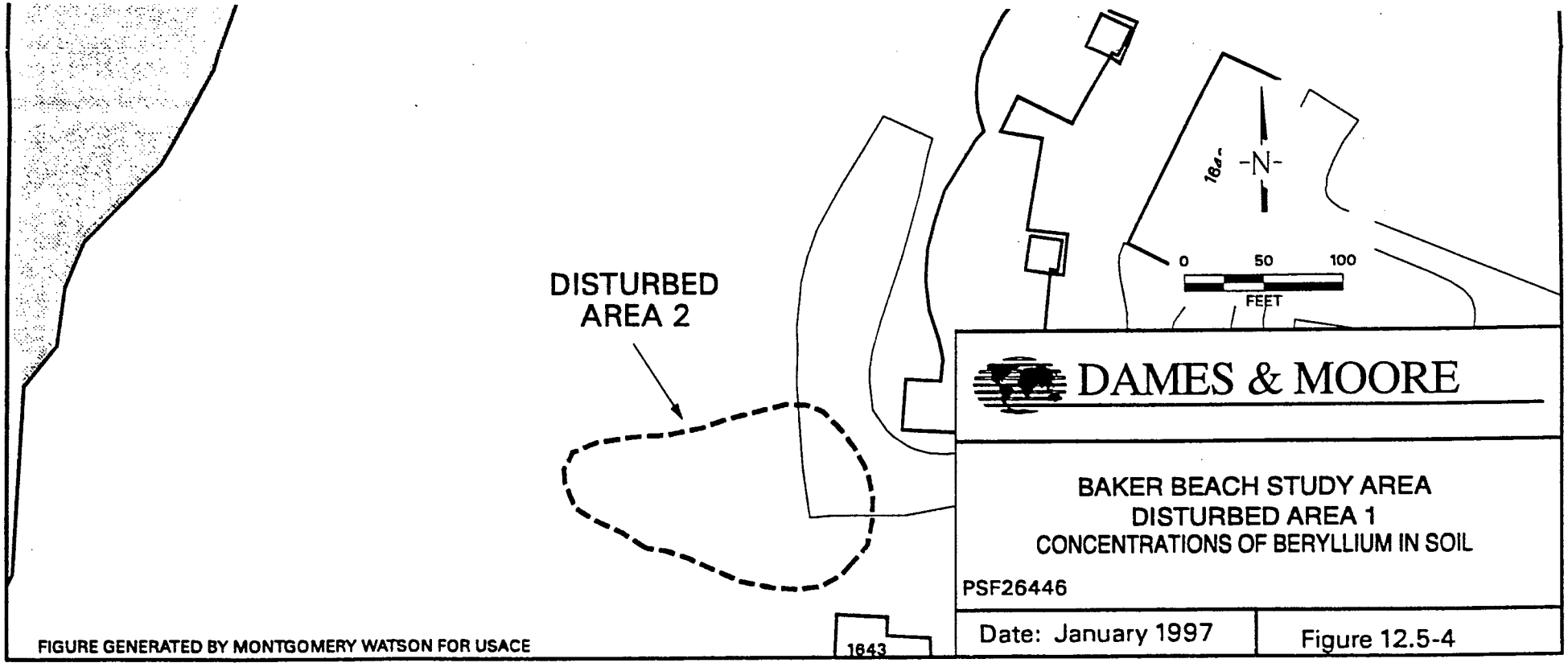
Date: January 1997

Figure 12.5-3

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Beryllium 0.908 1.020
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Beryllium 1.200 0.675
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Beryllium 1.510


SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Beryllium 1.150 0.958
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Beryllium 1.220 0.901
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Beryllium <0.500
BATTERY BOUTELLE
BATTERY GODFREY
DISTURBED AREA 2
N
0 50 100
FEET
DAMES & MOORE



DAMES & MOORE

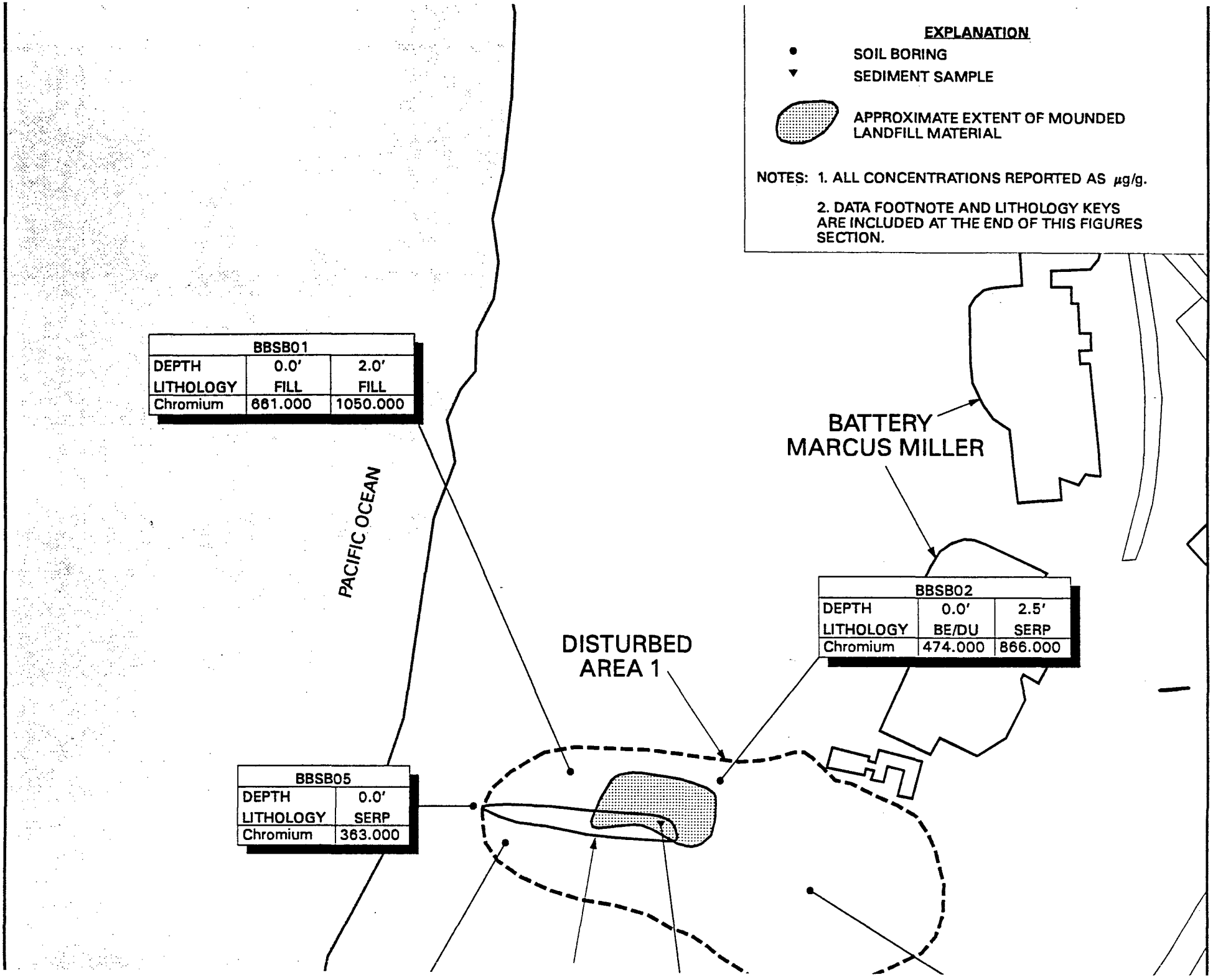
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF BERYLLIUM IN SOIL

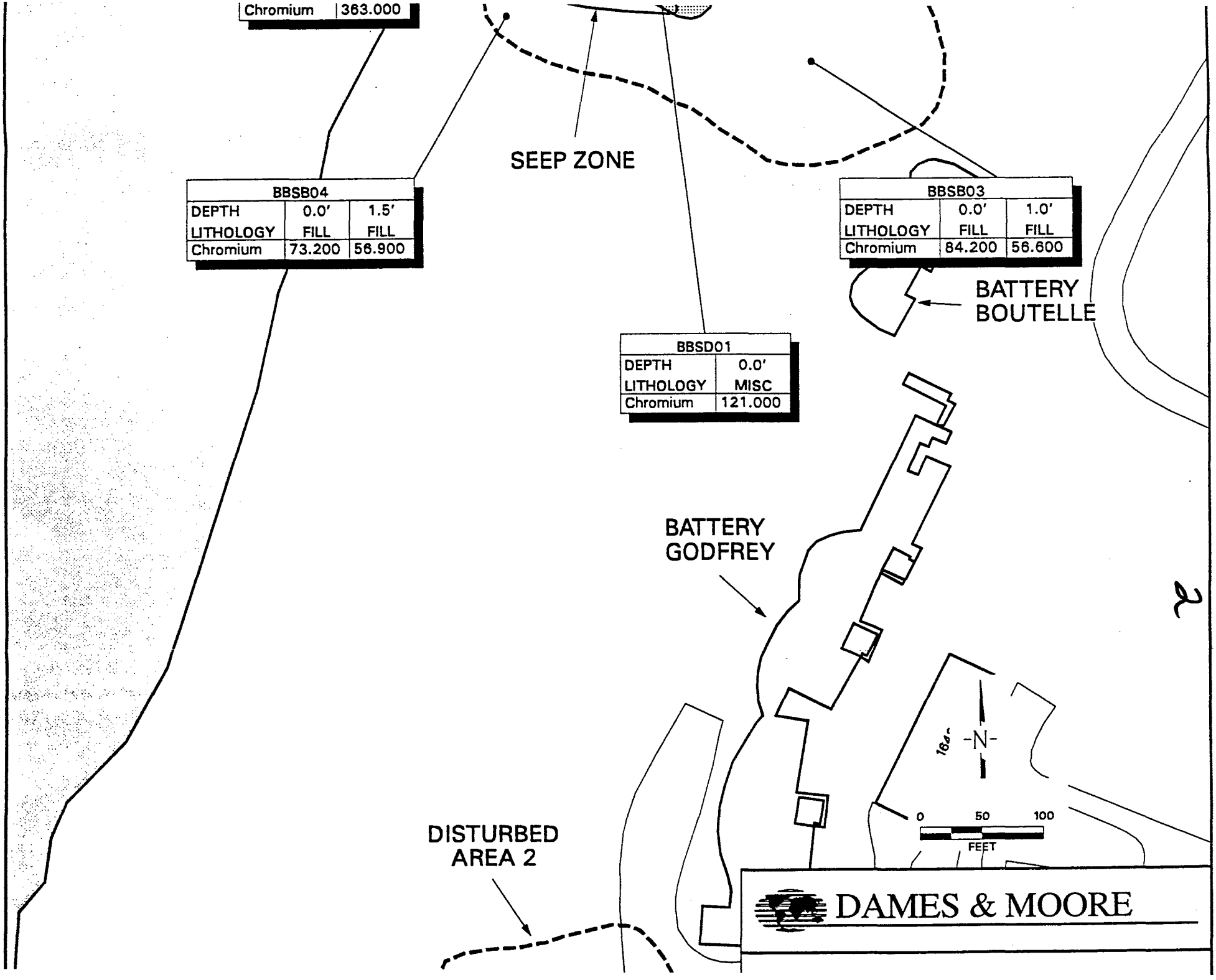
PSF26446

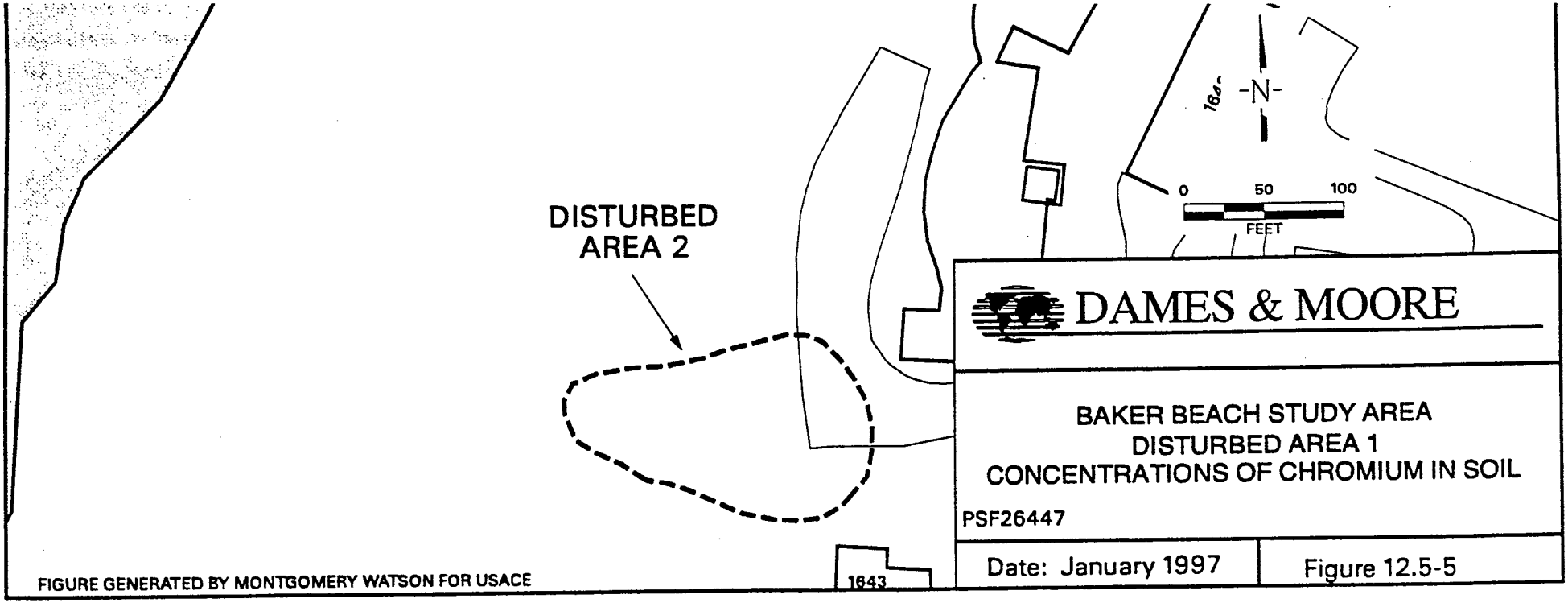
Date: January 1997

Figure 12.5-4

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Chromium 661.000 1050.000
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Chromium 474.000 866.000
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Chromium 363.000


Chromium | 363.000
SEEP ZONE
BBSB04
DEPTH | 0.0' | 1.5'
LITHOLOGY | FILL | FILL
Chromium | 73.200 | 56.900
BBSB03
DEPTH | 0.0' | 1.0'
LITHOLOGY | FILL | FILL
Chromium | 84.200 | 56.600
BBSD01
DEPTH | 0.0'
LITHOLOGY | MISC
Chromium | 121.000
BATTERY BOUTELLE
BATTERY GODFREY
DISTURBED AREA 2
N
0 50 100
FEET
DAMES & MOORE



25 Nov 96 13:26:11 Monday, base_11x17_v3.amt, pixfile base_DA1_5_7.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

DAMES & MOORE

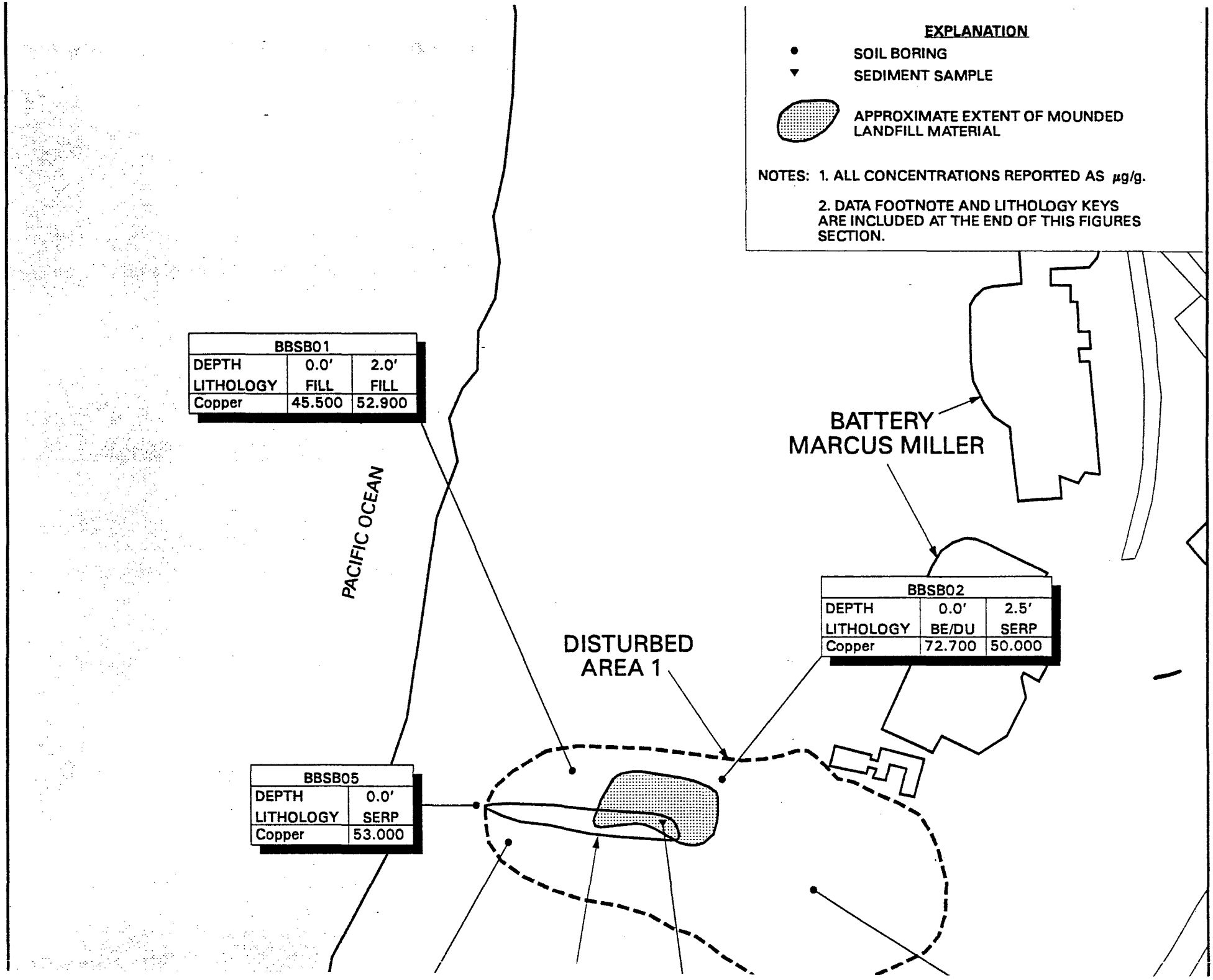
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF CHROMIUM IN SOIL

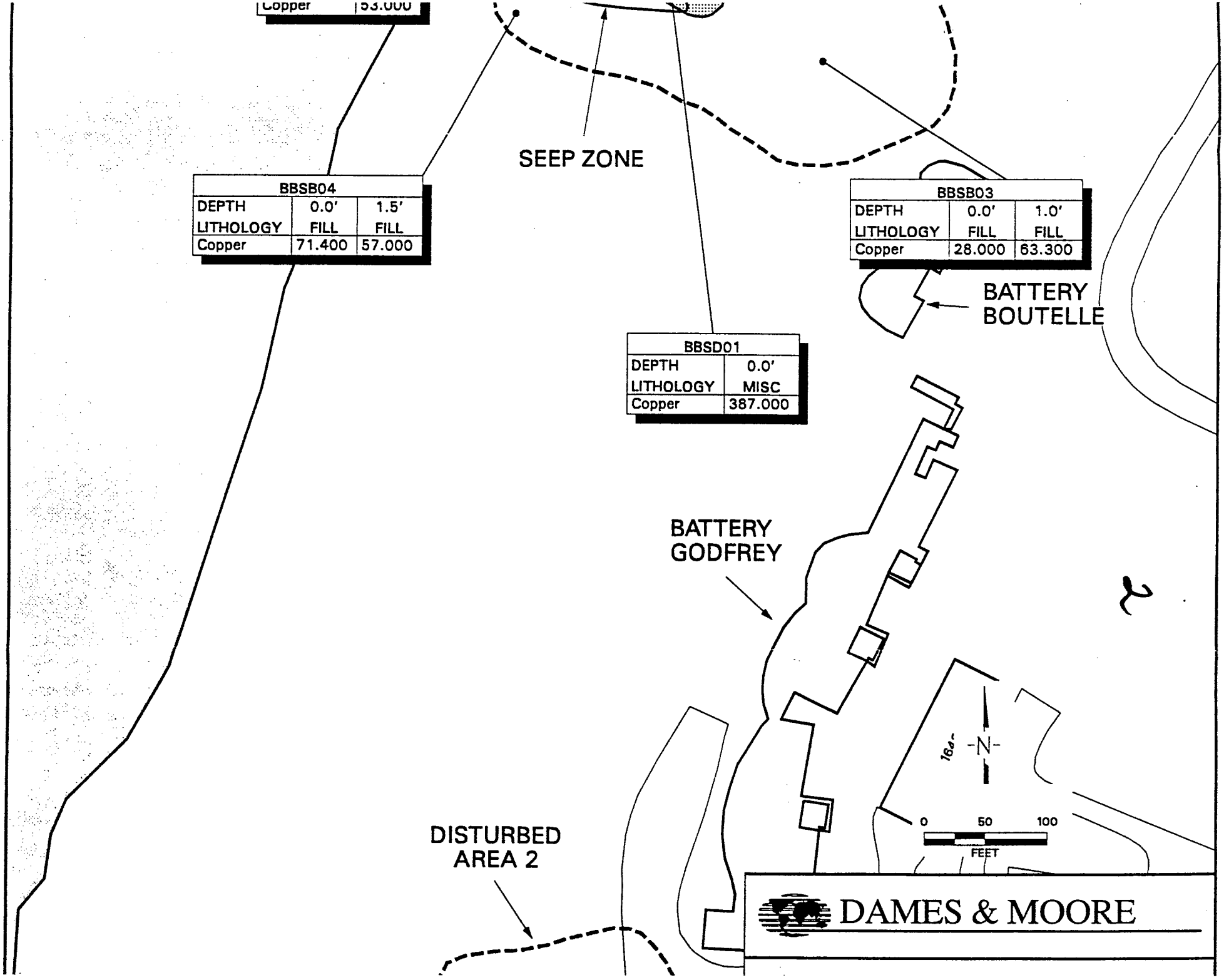
PSF26447

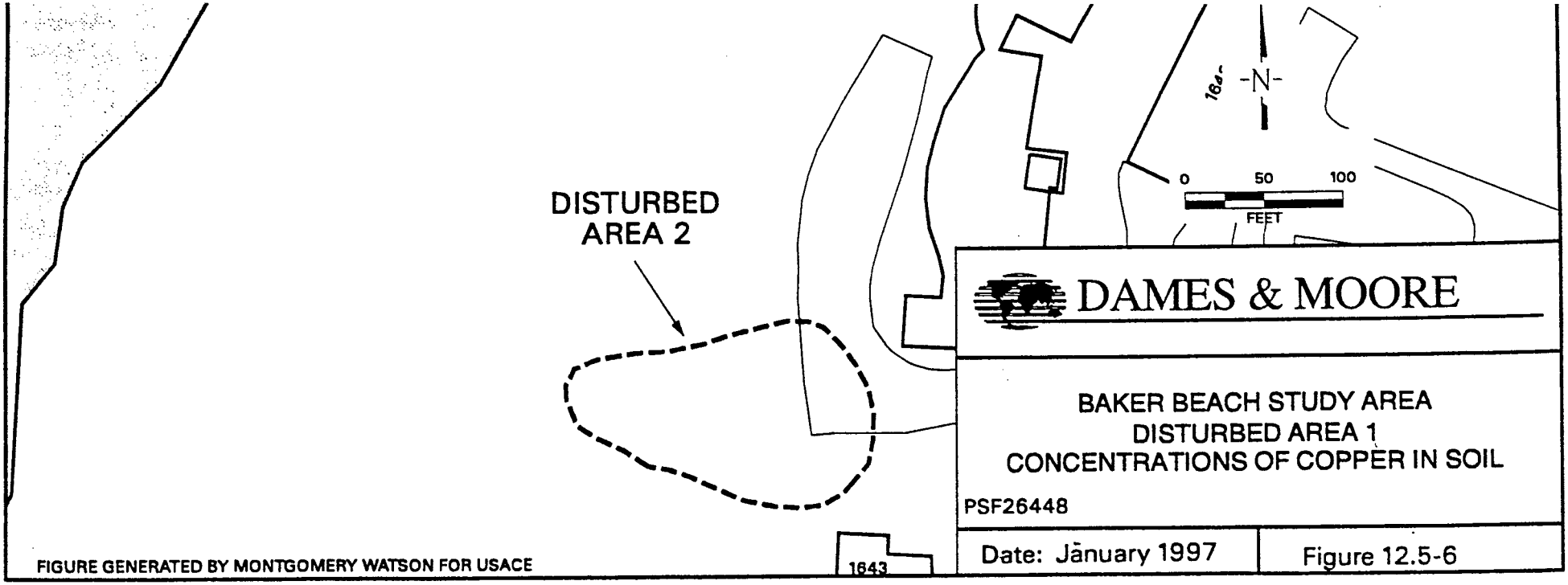
Date: January 1997

Figure 12.5-5

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Copper 45.500 52.900
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Copper 72.700 50.000
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Copper 53.000


Copper 53.000
SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Copper 71.400 57.000
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Copper 28.000 63.300
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Copper 387.000
BATTERY BOUTELLE
BATTERY GODFREY
DISTURBED AREA 2
164'
N
0 50 100
FEET
DAMES & MOORE



DAMES & MOORE

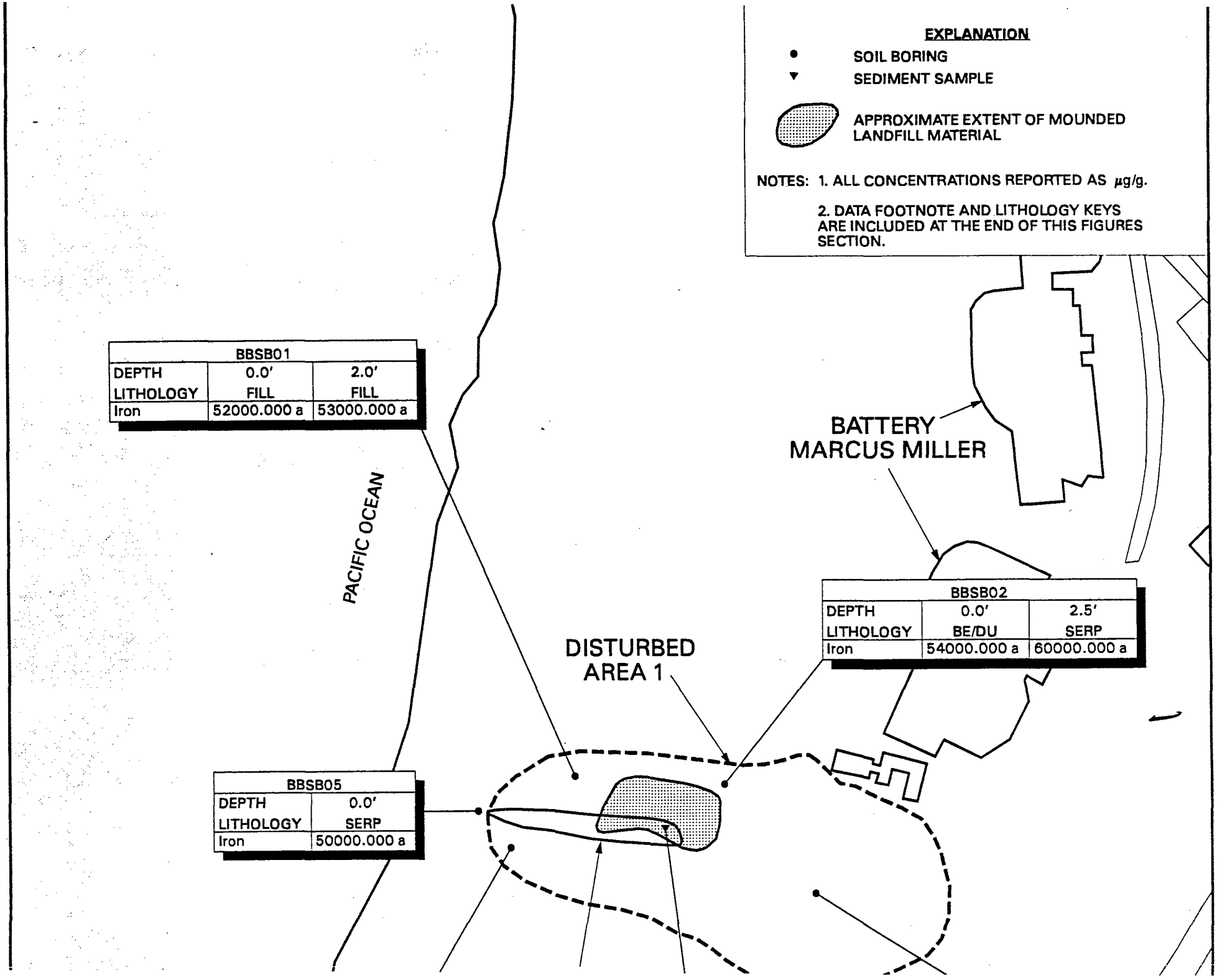
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF COPPER IN SOIL

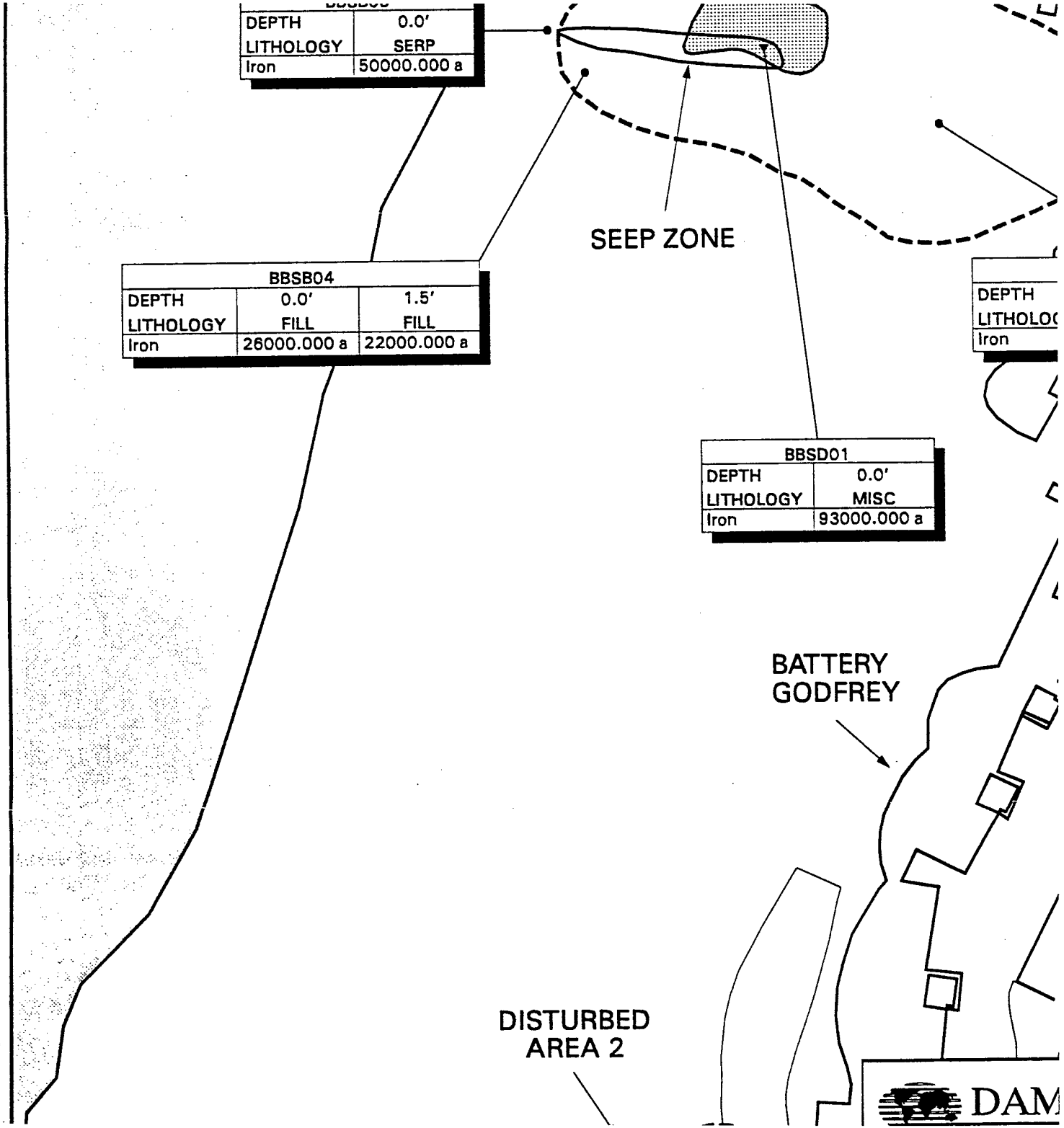
PSF26448

Date: January 1997

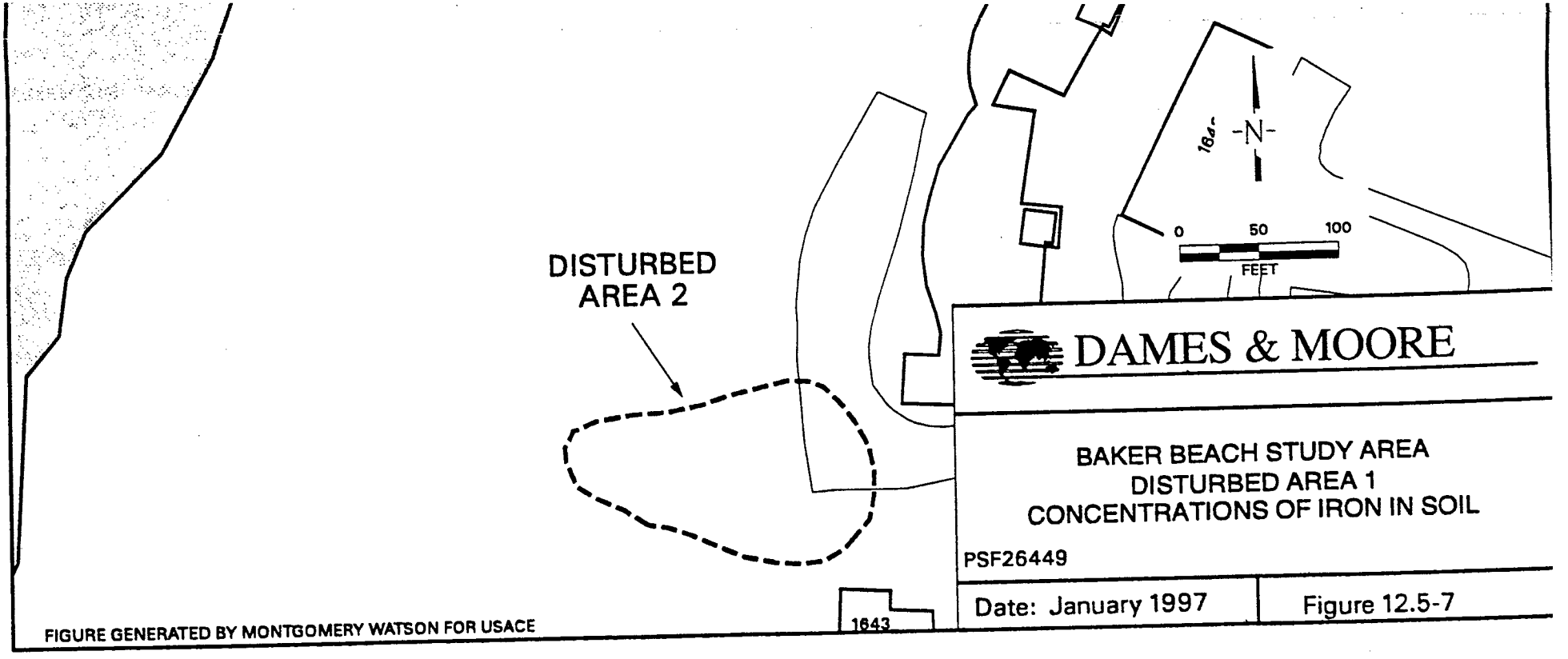
Figure 12.5-6

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Iron 52000.000 a 53000.000 a
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Iron 54000.000 a 60000.000 a
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Iron 50000.000 a


DEPTH 0.0'
LITHOLOGY SERP
Iron 50000.000 a
SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Iron 26000.000 a 22000.000 a
DEPTH
LITHOLOG
Iron
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Iron 93000.000 a
BATTERY GODFREY
DISTURBED AREA 2
DAM

2



DAMES & MOORE

BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF IRON IN SOIL

PSF26449

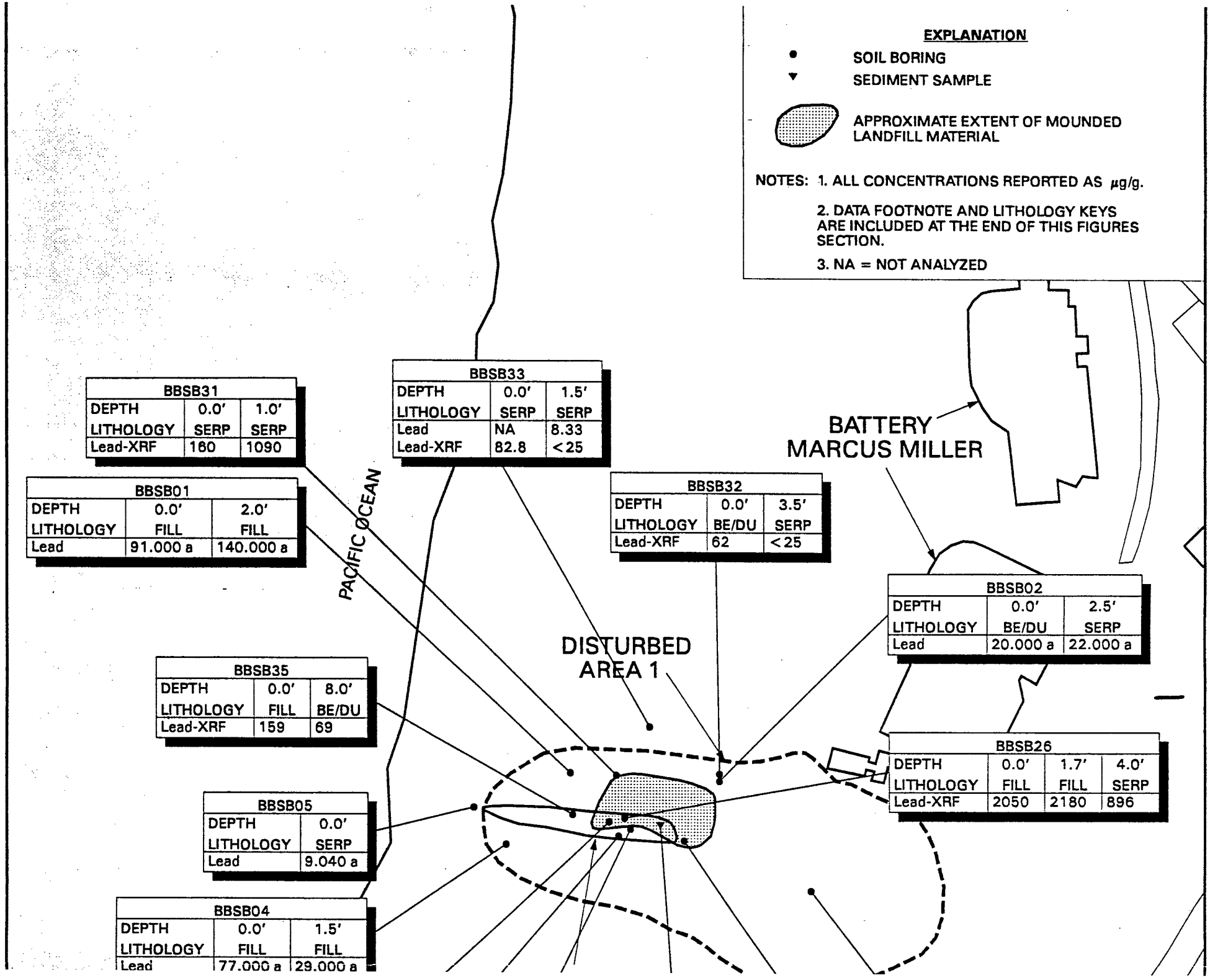
Date: January 1997

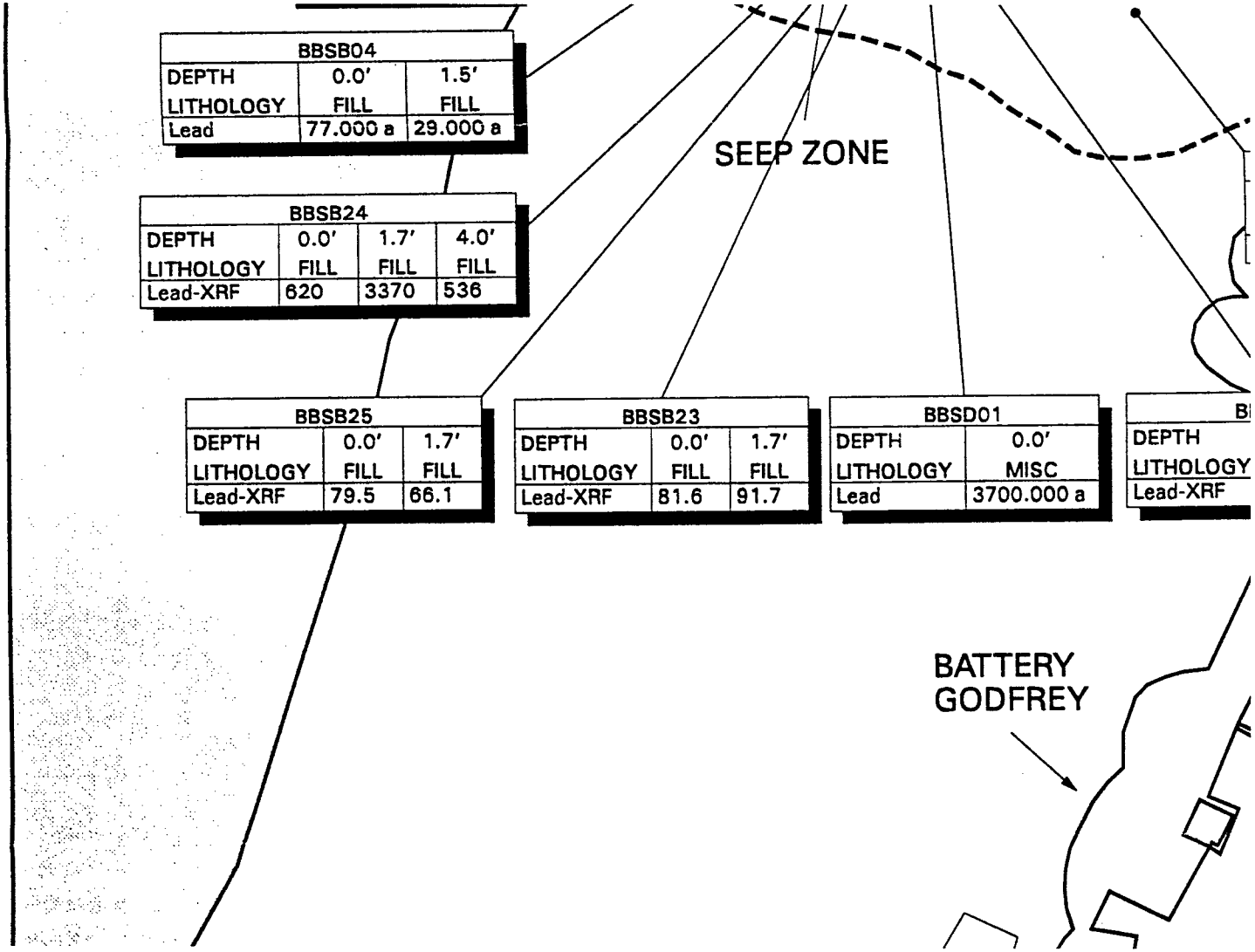
Figure 12.5-7

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

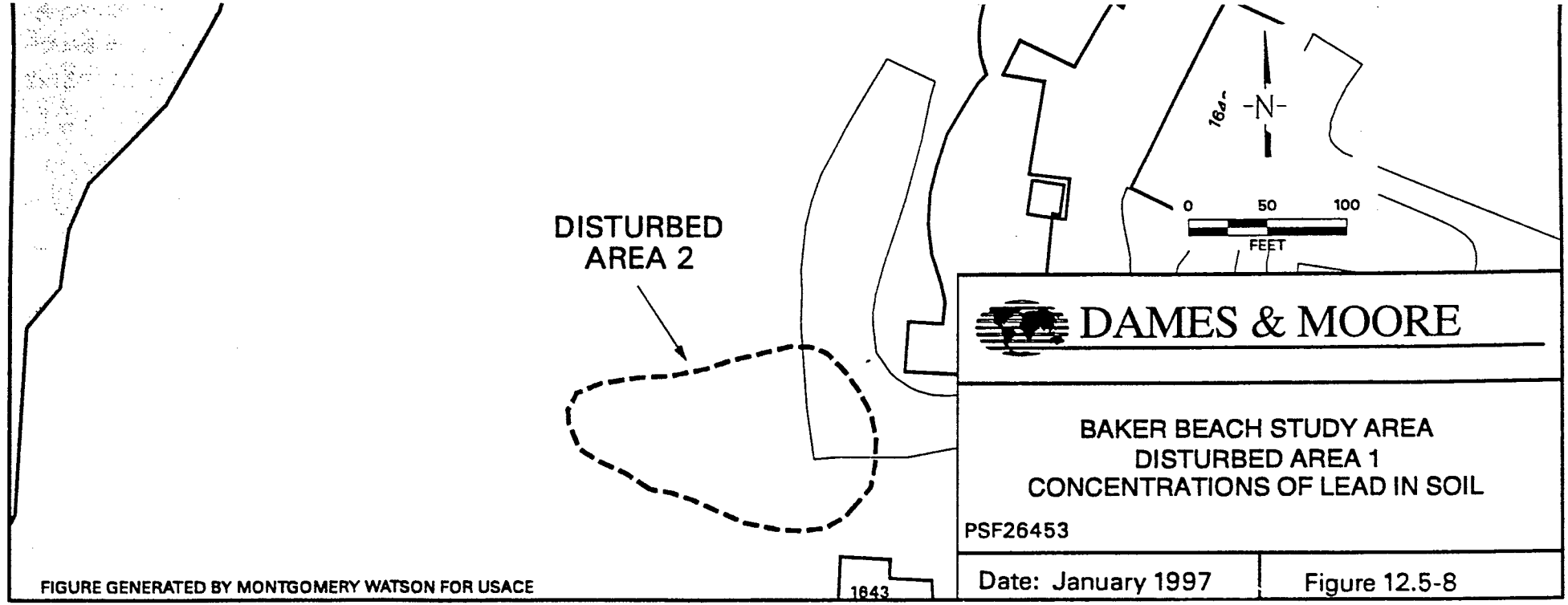
23 Nov 96 13:28:56 Monday, base_11x17_v3.amd, plotfile base_DA1_S_11.gra, PSF

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
BBSB31
DEPTH | 0.0' | 1.0'
LITHOLOGY | SERP | SERP
Lead-XRF | 160 | 1090
BBSB33
DEPTH | 0.0' | 1.5'
LITHOLOGY | SERP | SERP
Lead | NA | 8.33
Lead-XRF | 82.8 | <25
BBSB01
DEPTH | 0.0' | 2.0'
LITHOLOGY | FILL | FILL
Lead | 91.000 a | 140.000 a
BBSB32
DEPTH | 0.0' | 3.5'
LITHOLOGY | BE/DU | SERP
Lead-XRF | 62 | <25
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH | 0.0' | 2.5'
LITHOLOGY | BE/DU | SERP
Lead | 20.000 a | 22.000 a
DISTURBED AREA 1
BBSB35
DEPTH | 0.0' | 8.0'
LITHOLOGY | FILL | BE/DU
Lead-XRF | 159 | 69
BBSB26
DEPTH | 0.0' | 1.7' | 4.0'
LITHOLOGY | FILL | FILL | SERP
Lead-XRF | 2050 | 2180 | 896
BBSB05
DEPTH | 0.0'
LITHOLOGY | SERP
Lead | 9.040 a
BBSB04
DEPTH | 0.0' | 1.5'
LITHOLOGY | FILL | FILL
Lead | 77.000 a | 29.000 a


BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Lead 77.000 a 29.000 a
SEEP ZONE
BBSB24
DEPTH 0.0' 1.7' 4.0'
LITHOLOGY FILL FILL FILL
Lead-XRF 620 3370 536
BBSB25
DEPTH 0.0' 1.7'
LITHOLOGY FILL FILL
Lead-XRF 79.5 66.1
BBSB23
DEPTH 0.0' 1.7'
LITHOLOGY FILL FILL
Lead-XRF 81.6 91.7
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Lead 3700.000 a
DEPTH
LITHOLOGY
Lead-XRF
BATTERY
GODFREY

2



23 Nov 96 13:30:47 Monday, base_11x17_v3.aml, plotfile base_DA1_S_12.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

DAMES & MOORE

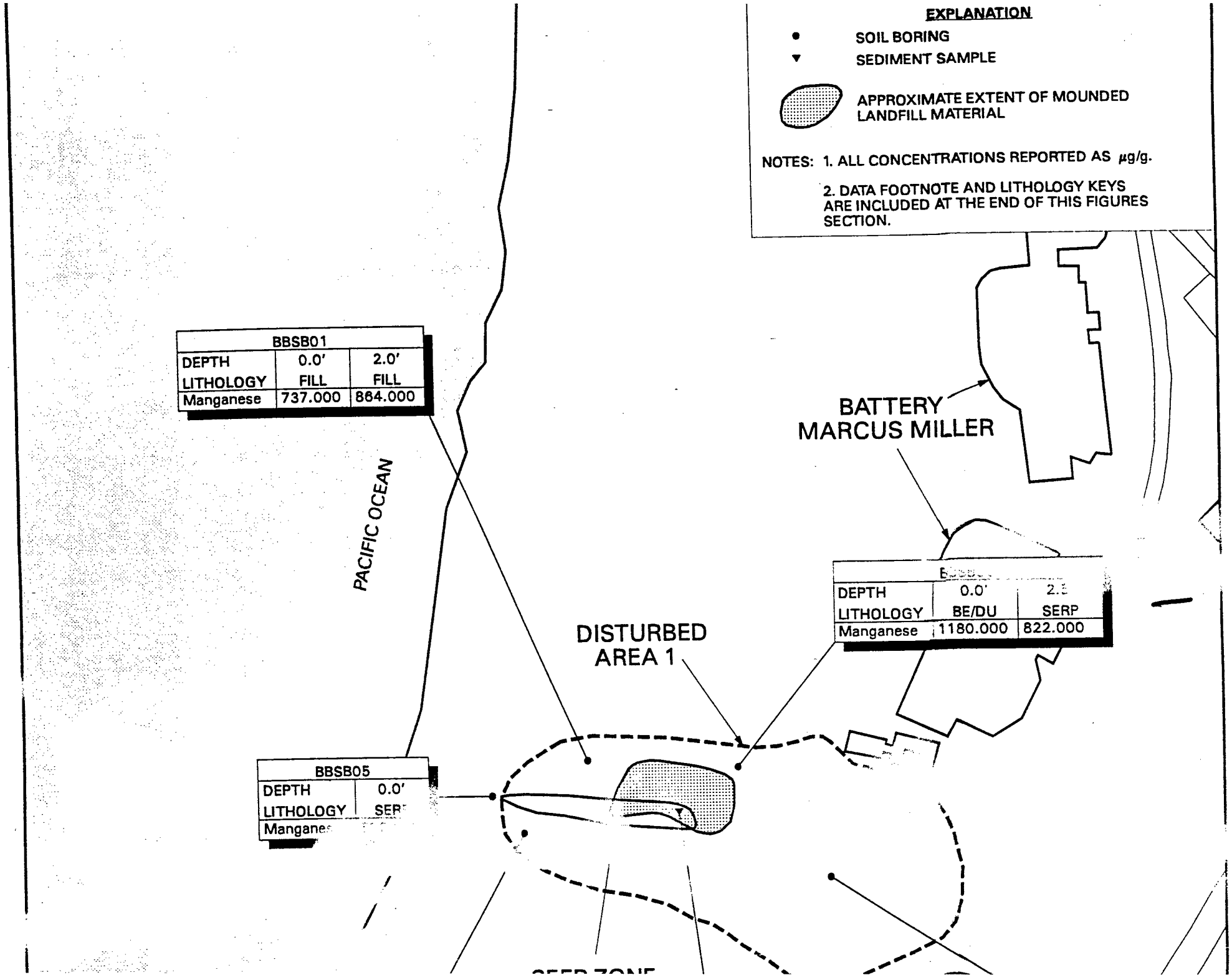
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF LEAD IN SOIL

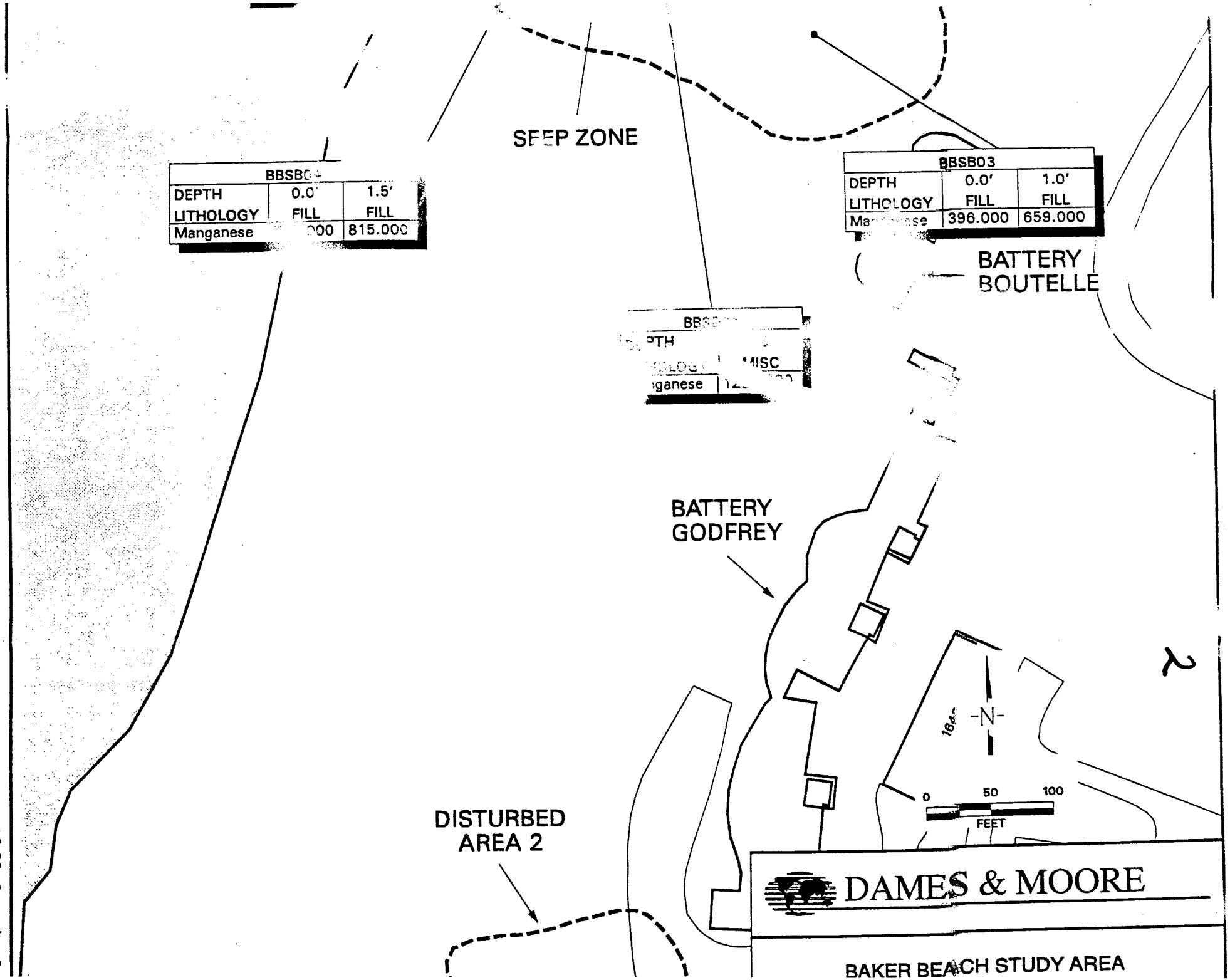
PSF26453

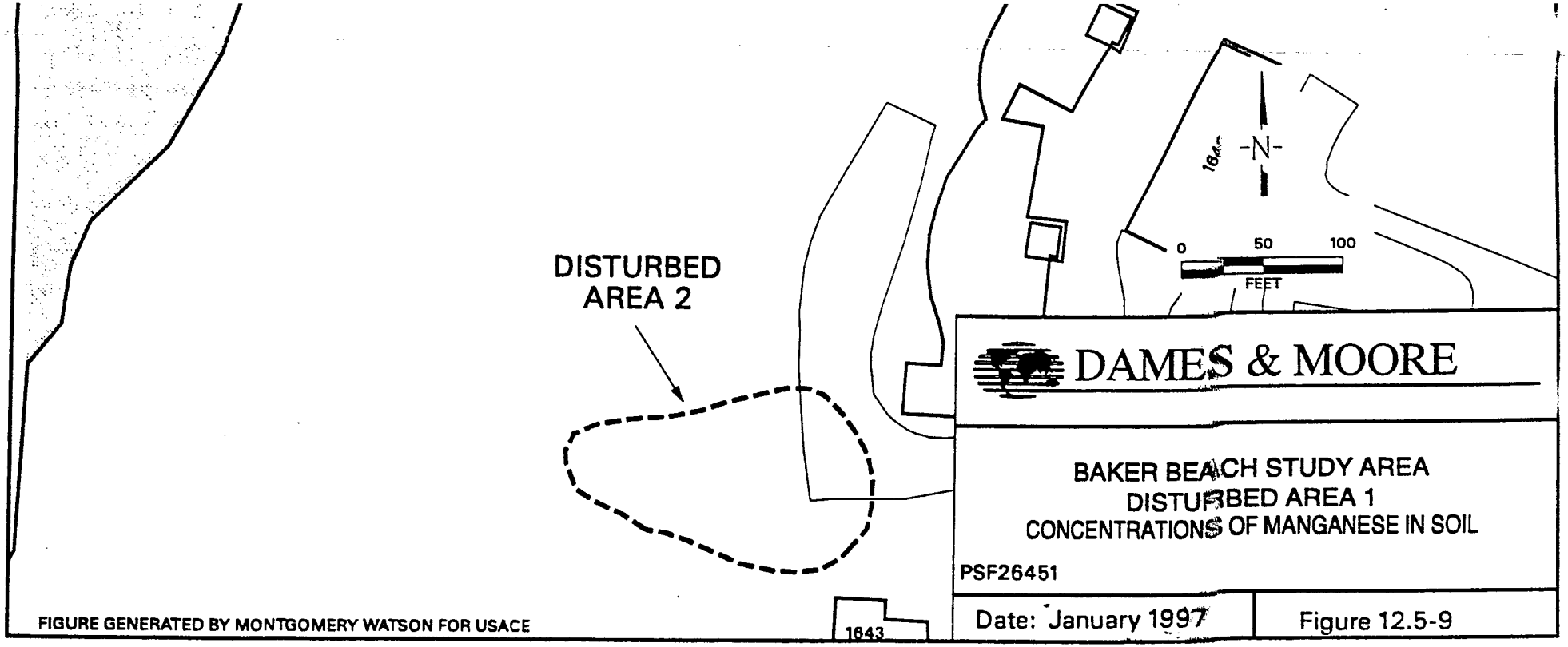
Date: January 1997

Figure 12.5-8

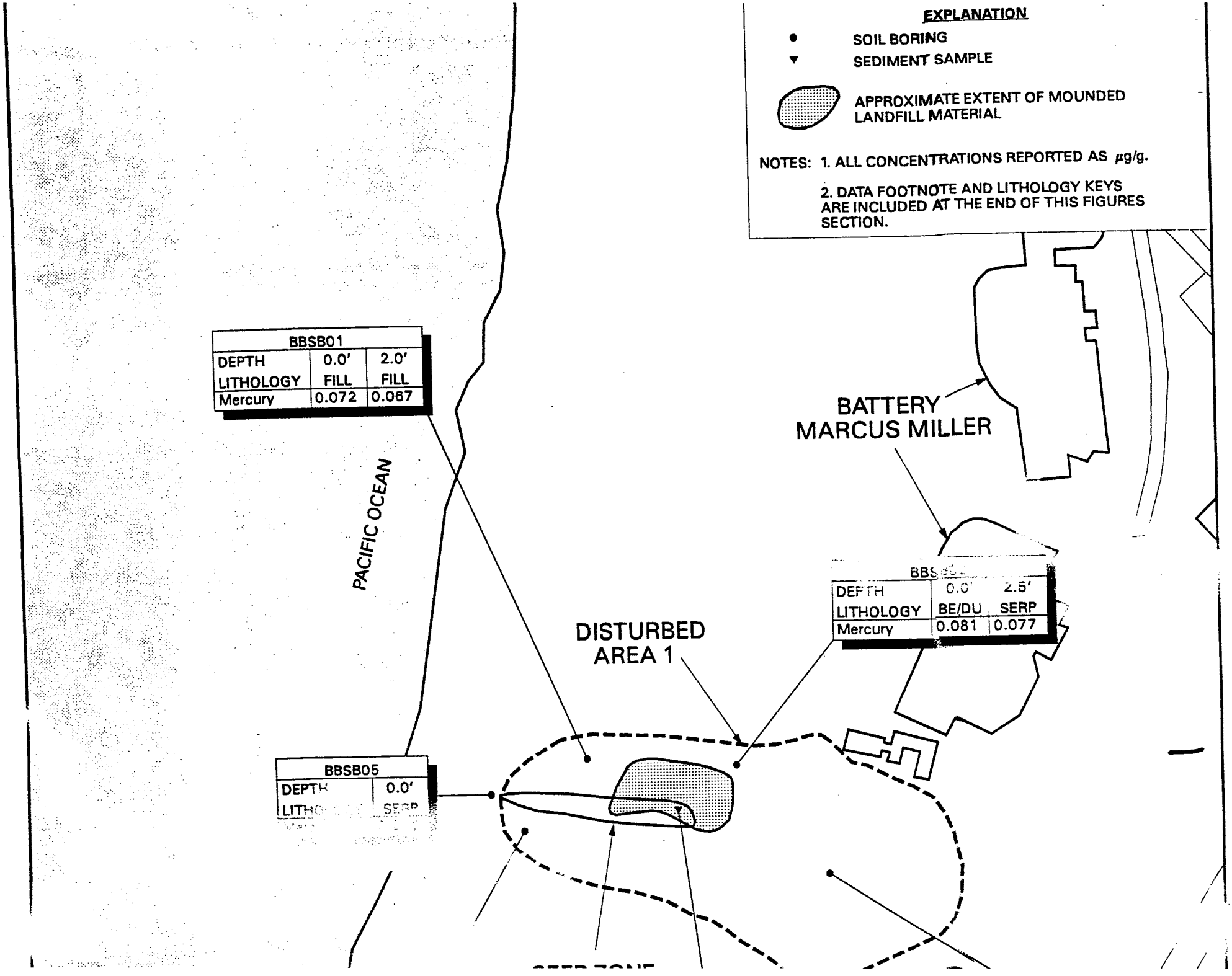
3

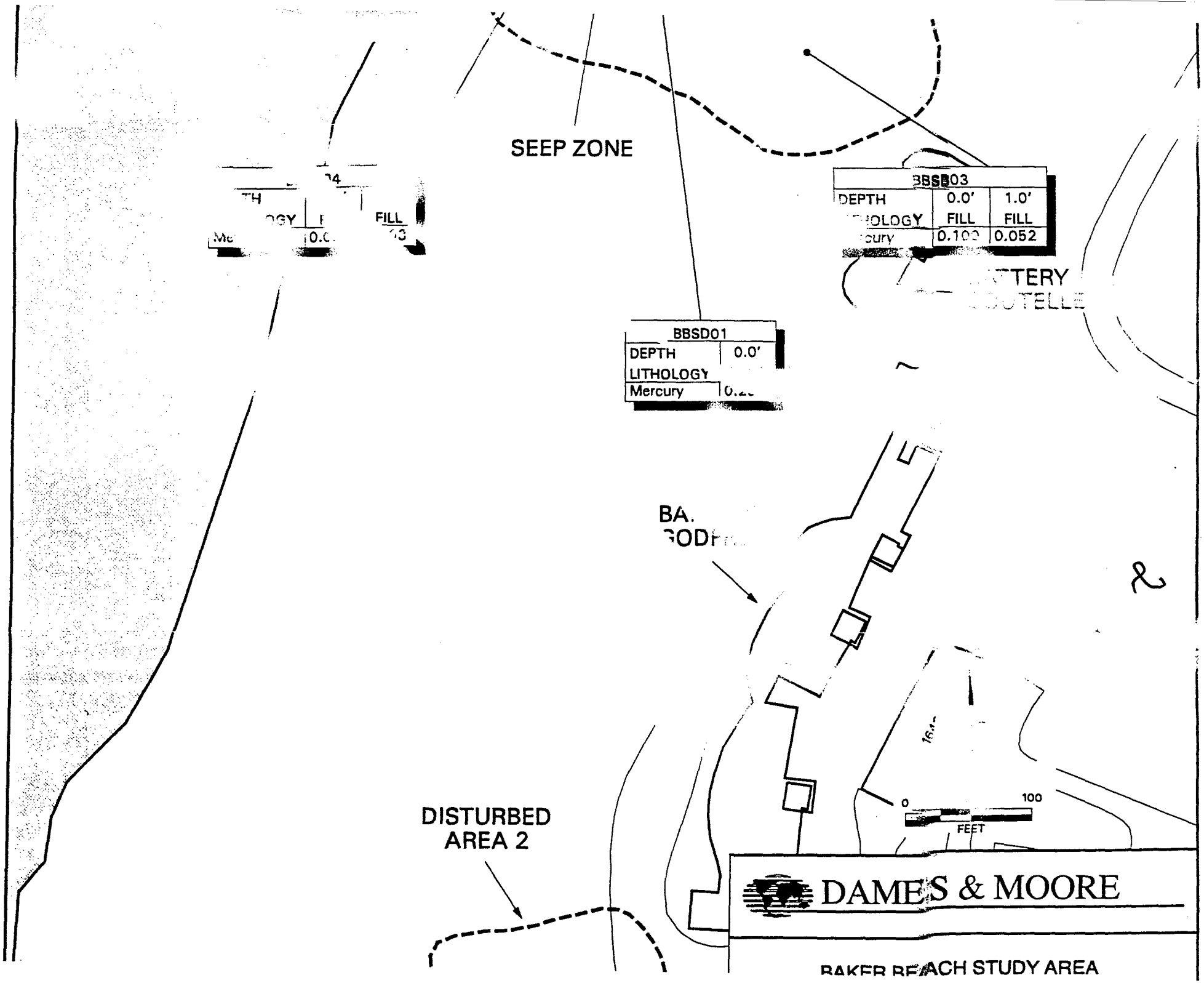

EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Manganese 737.000 864.000
PACIFIC OCEAN
BATTERY MARCUS MILLER
DISTURBED AREA 1
DEPTH 0.0' 2.
LITHOLOGY BE/DU SERP
Manganese 1180.000 822.000
BBSB05
DEPTH 0.0'
LITHOLOGY SER
Manganes

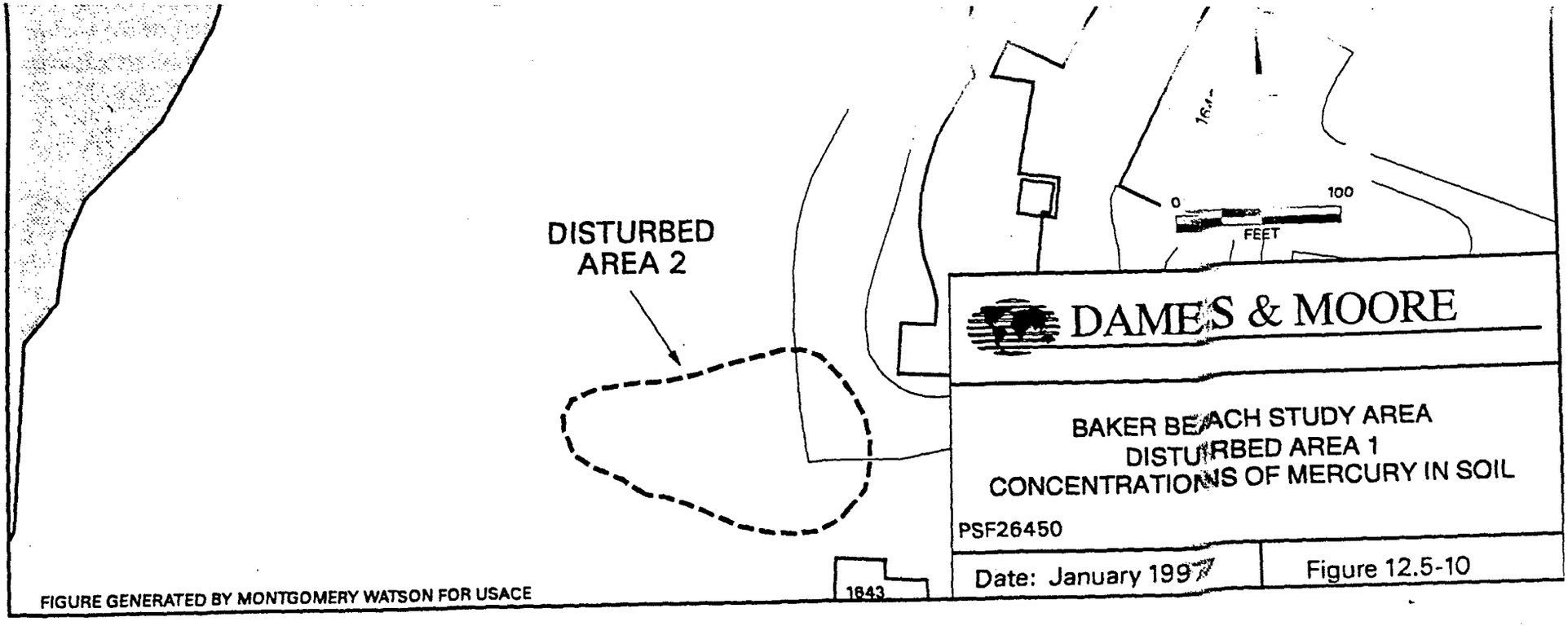

SEEP ZONE
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Manganese 396.000 659.000
BATTERY BOUTELLE
BATTERY GODFREY
DISTURBED AREA 2
N
0 50 100
FEET
DAMES & MOORE
BAKER BEACH STUDY AREA


DISTURBED
AREA 2
N
0
50
100
FEET
1643
DAMES & MOORE
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF MANGANESE IN SOIL
PSF26451
Date: January 1997
Figure 12.5-9
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE
25 Nov 96 13:32:15 Monday, base_11x17_v3.arm, plotfile base_DA1_S_14.grn, PSF

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Mercury 0.072 0.067
PACIFIC OCEAN
BATTERY MARCUS MILLER
DISTURBED AREA 1
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Mercury 0.081 0.077
BBSB05
DEPTH 0.0'


SEEP ZONE
BBSB03
DEPTH
0.0'
1.0'
LITHOLOGY
FILL
FILL
Mercury
0.100
0.052
BBSD01
DEPTH
0.0'
LITHOLOGY
Mercury
DISTURBED
AREA 2
0
100
FEET
DAMES & MOORE
BAKER BEACH STUDY AREA



DAMES & MOORE

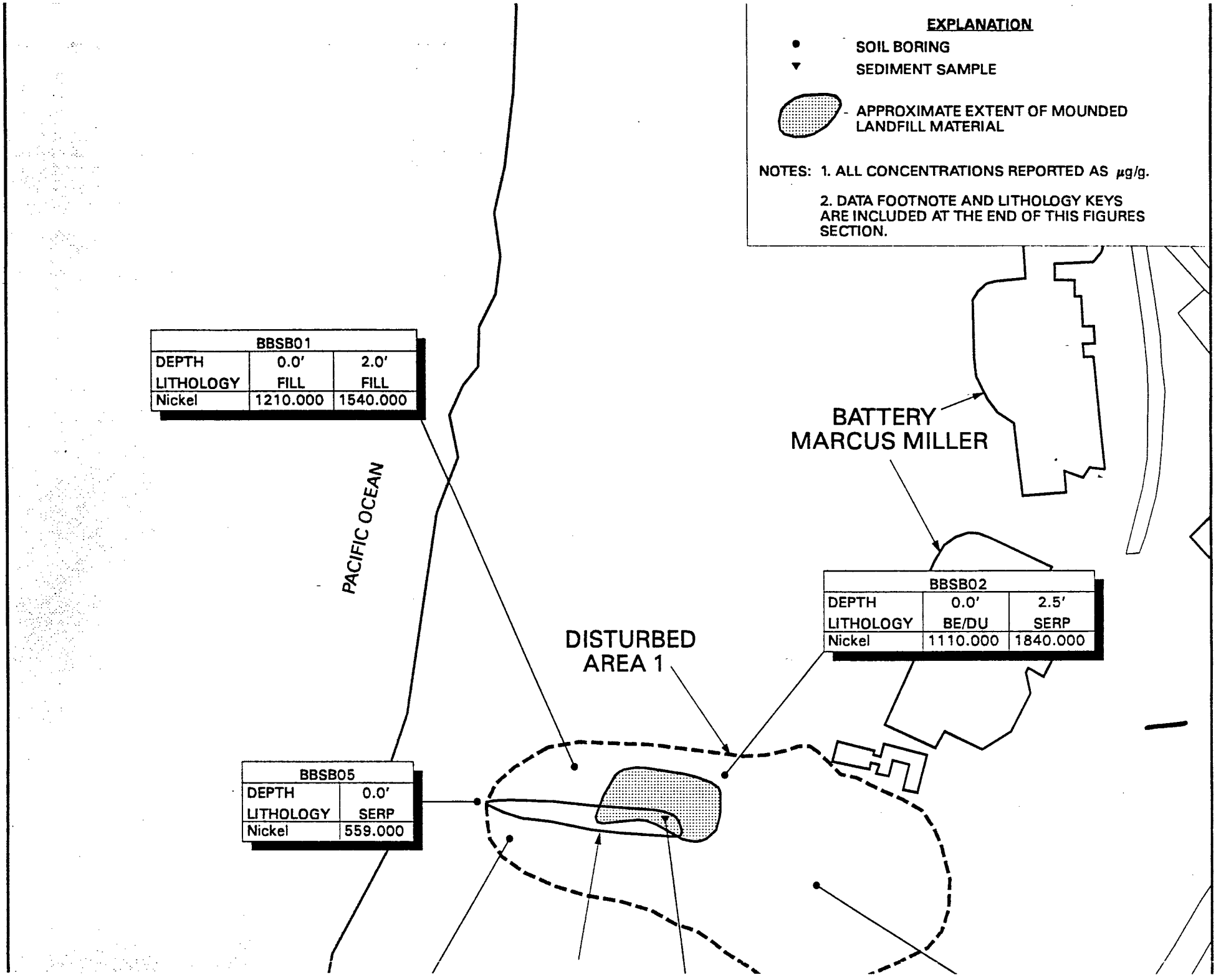
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF MERCURY IN SOIL

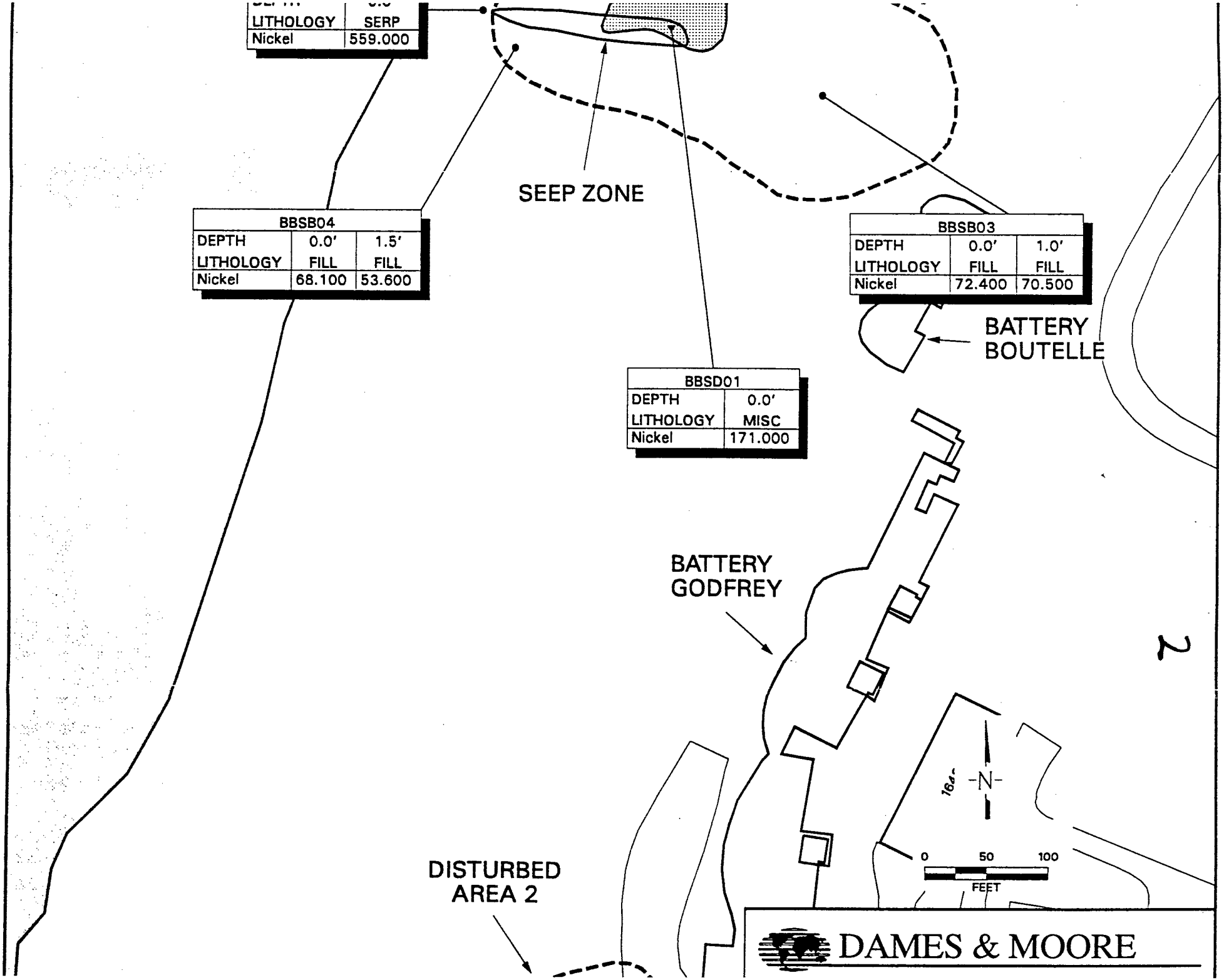
PSF26450

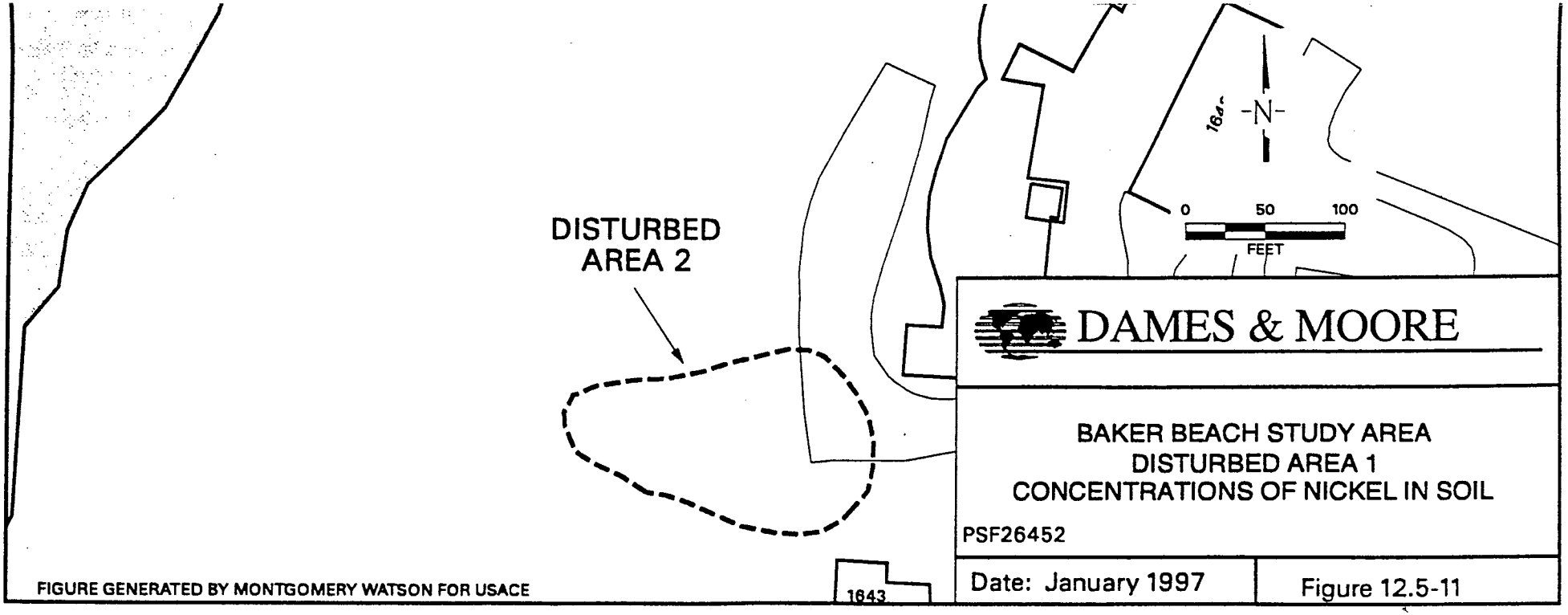
Date: January 1997

Figure 12.5-10

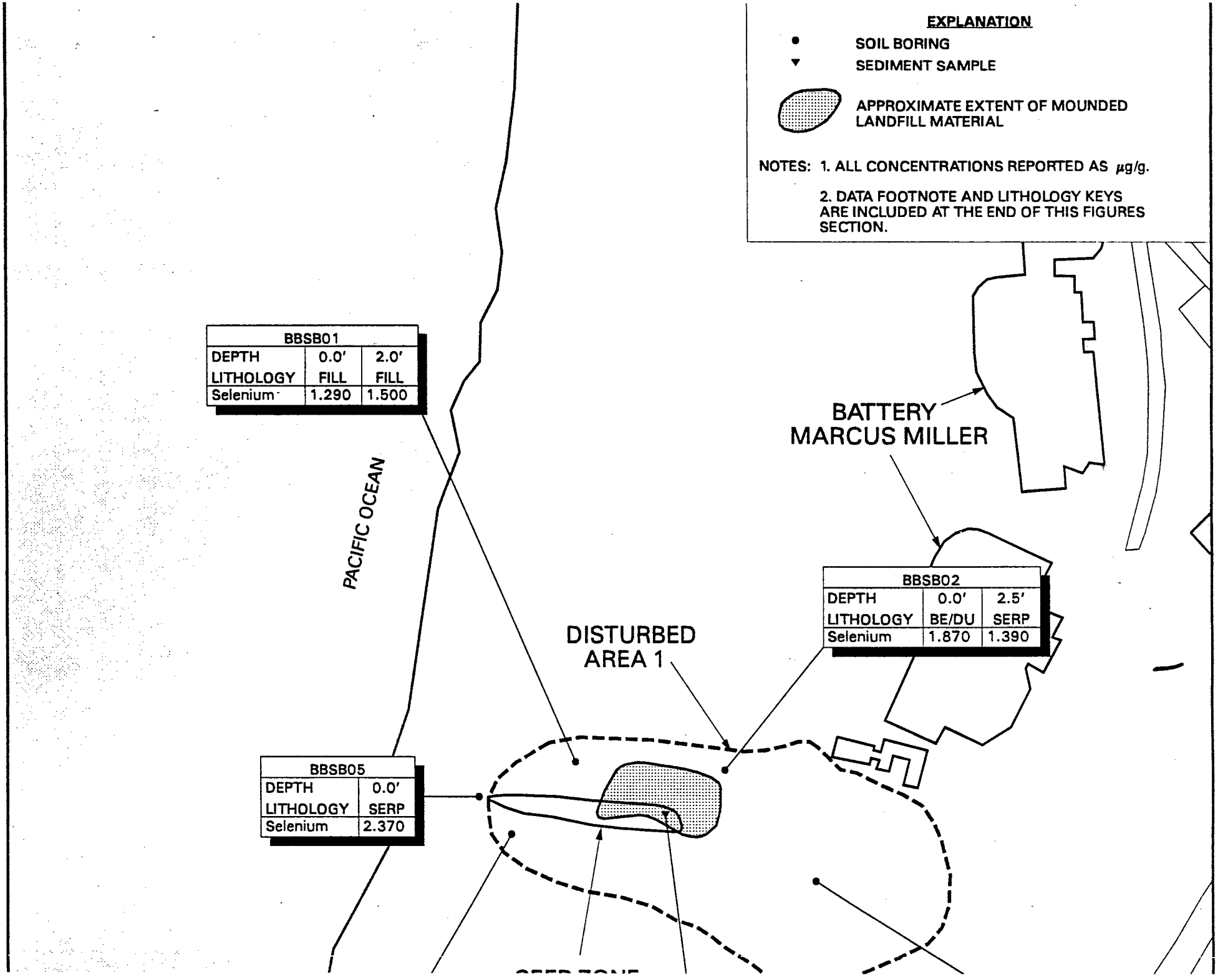
3

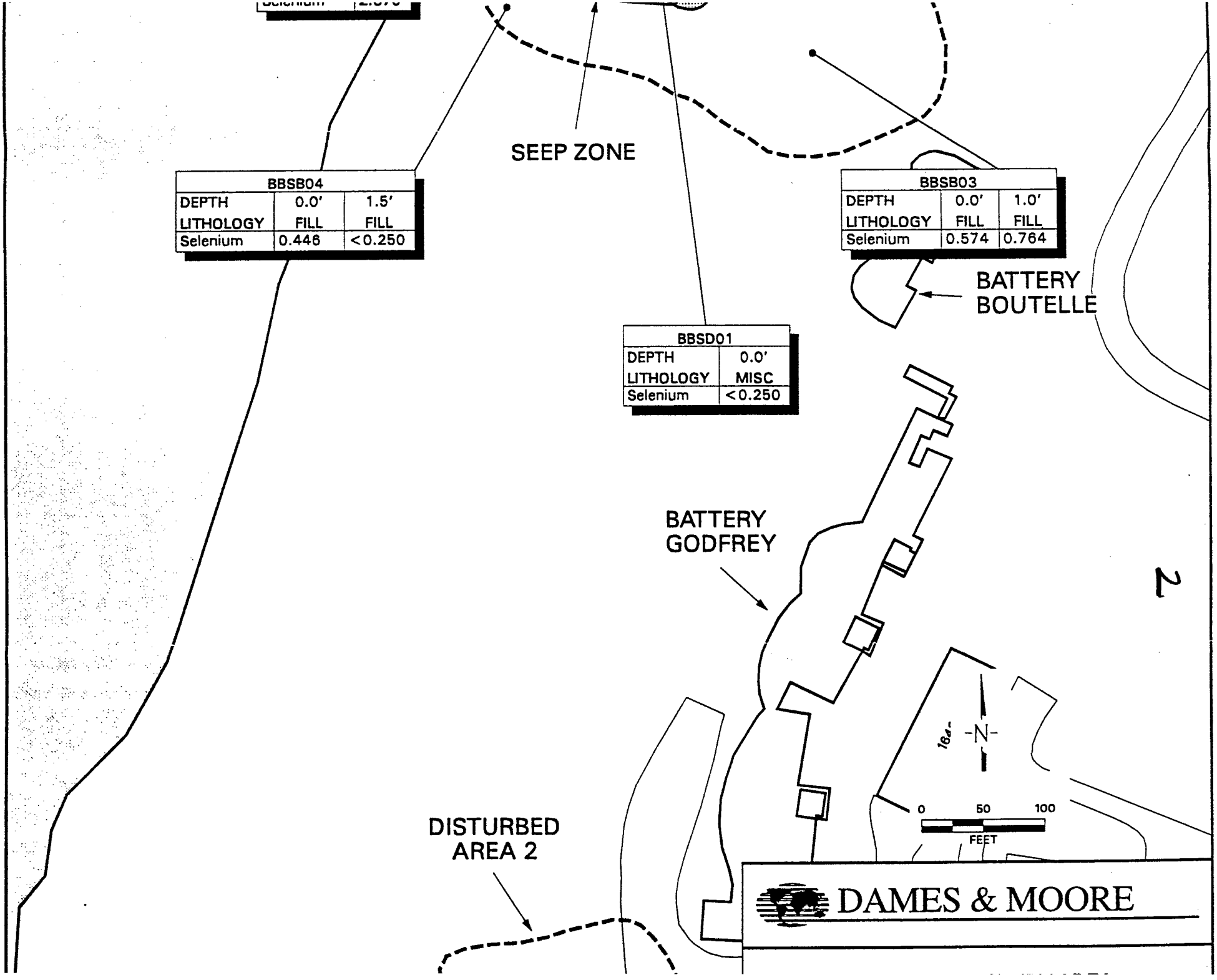

EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Nickel 1210.000 1540.000
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Nickel 1110.000 1840.000
DISTURBED AREA 1
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Nickel 559.000

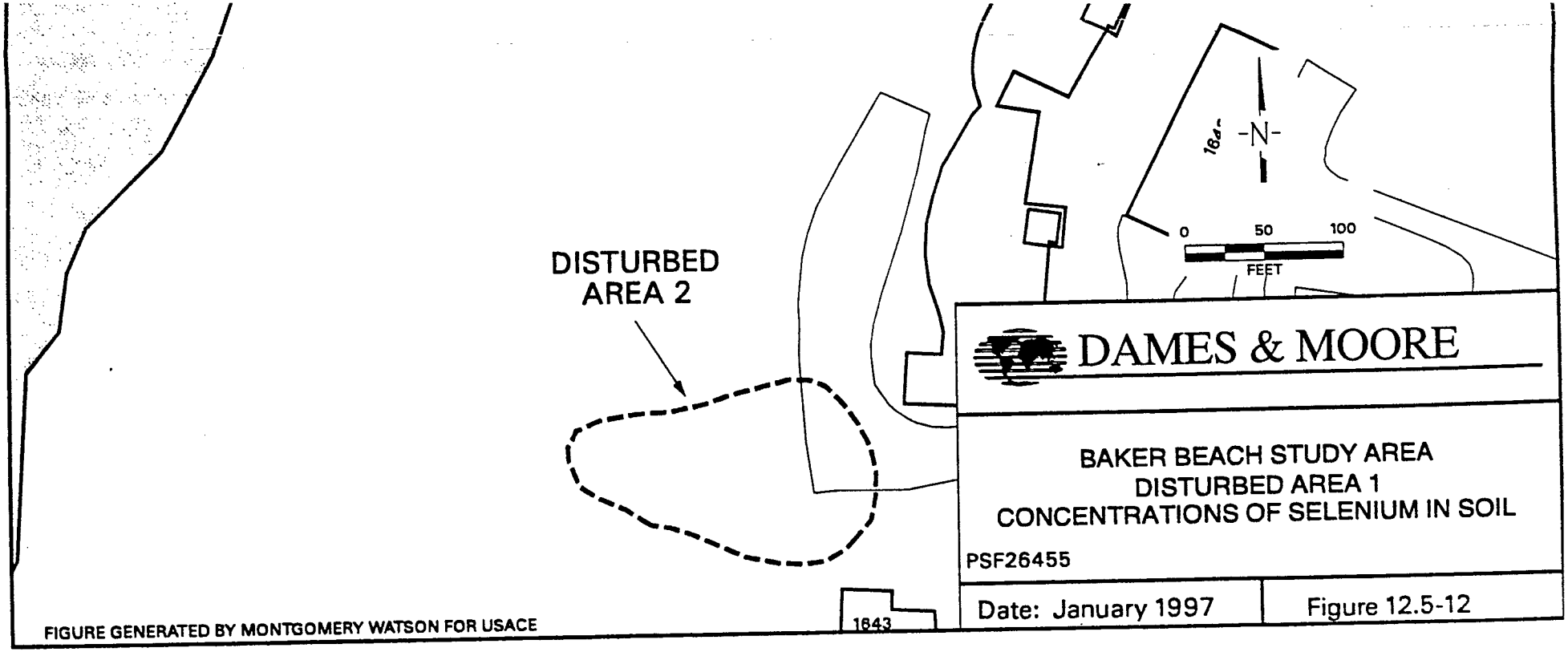

LITHOLOGY | SERP
Nickel | 559.000
SEEP ZONE
BBSB04
DEPTH | 0.0' | 1.5'
LITHOLOGY | FILL | FILL
Nickel | 68.100 | 53.600
BBSB03
DEPTH | 0.0' | 1.0'
LITHOLOGY | FILL | FILL
Nickel | 72.400 | 70.500
BATTERY BOUTELLE
BBSD01
DEPTH | 0.0'
LITHOLOGY | MISC
Nickel | 171.000
BATTERY GODFREY
DISTURBED AREA 2
-N-
0 50 100
FEET
DAMES & MOORE


DISTURBED
AREA 2
-N-
0
50
100
FEET
DAMES & MOORE
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF NICKEL IN SOIL
PSF26452
Date: January 1997
Figure 12.5-11
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE
1643
23 Nov 96 13:35:07 Monday, base_11x17_v3.arnl, plotfile base_DA1_S_16.grn, PSF

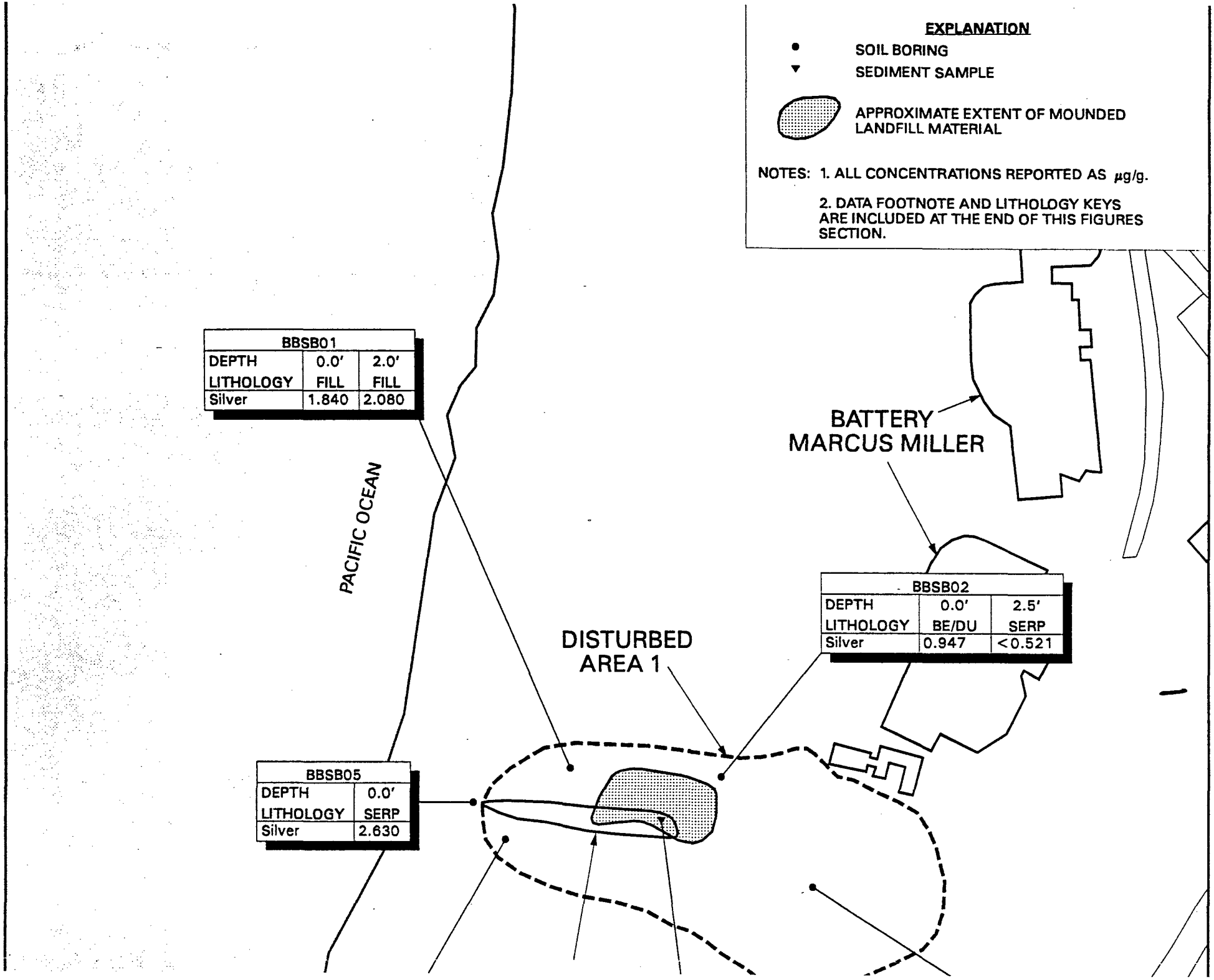
3

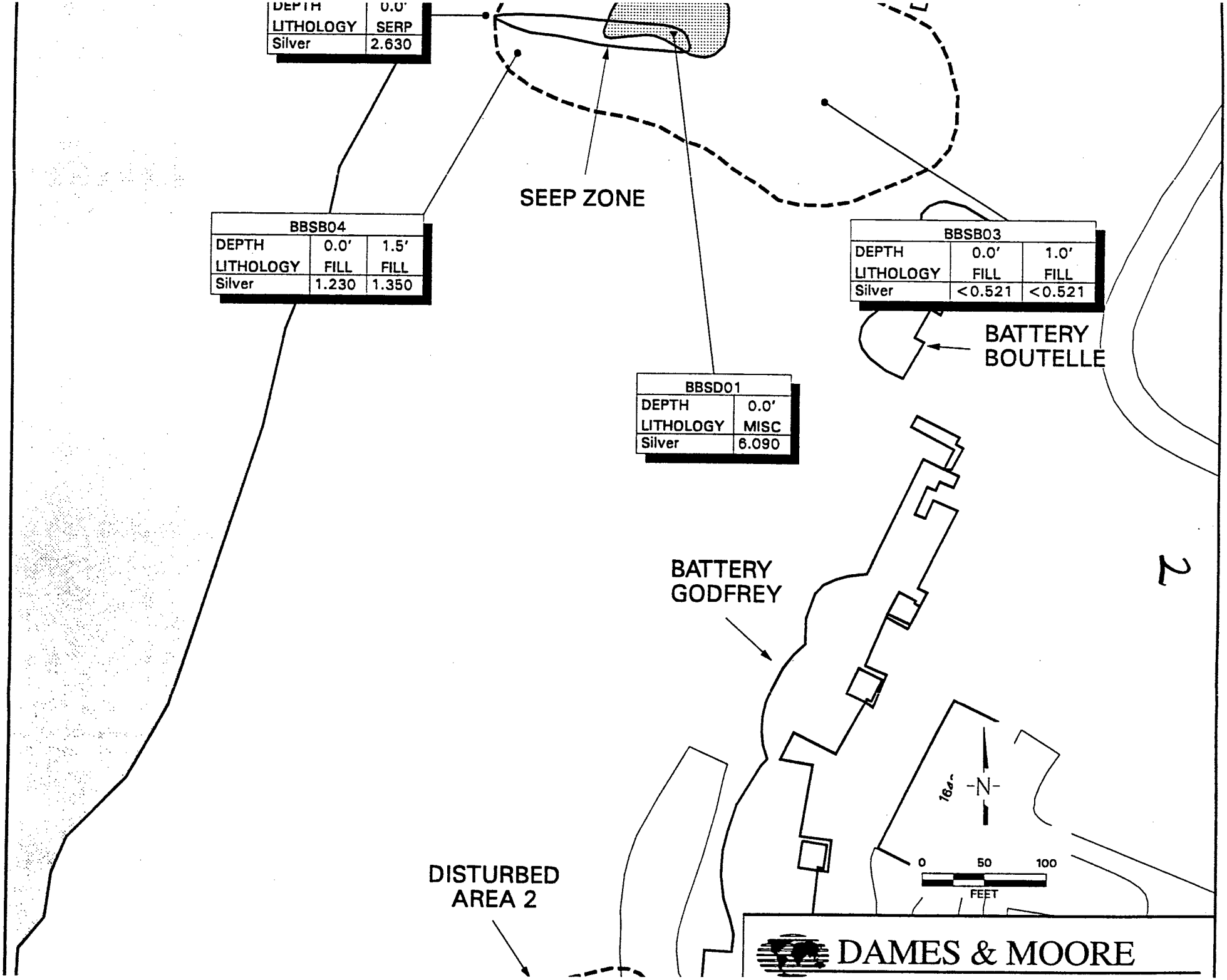

EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Selenium 1.290 1.500
BBSB02
DEPTH 0.0' 2.5'
LITHOLOGY BE/DU SERP
Selenium 1.870 1.390
BBSB05
DEPTH 0.0'
LITHOLOGY SERP
Selenium 2.370
PACIFIC OCEAN
BATTERY MARCUS MILLER
DISTURBED AREA 1

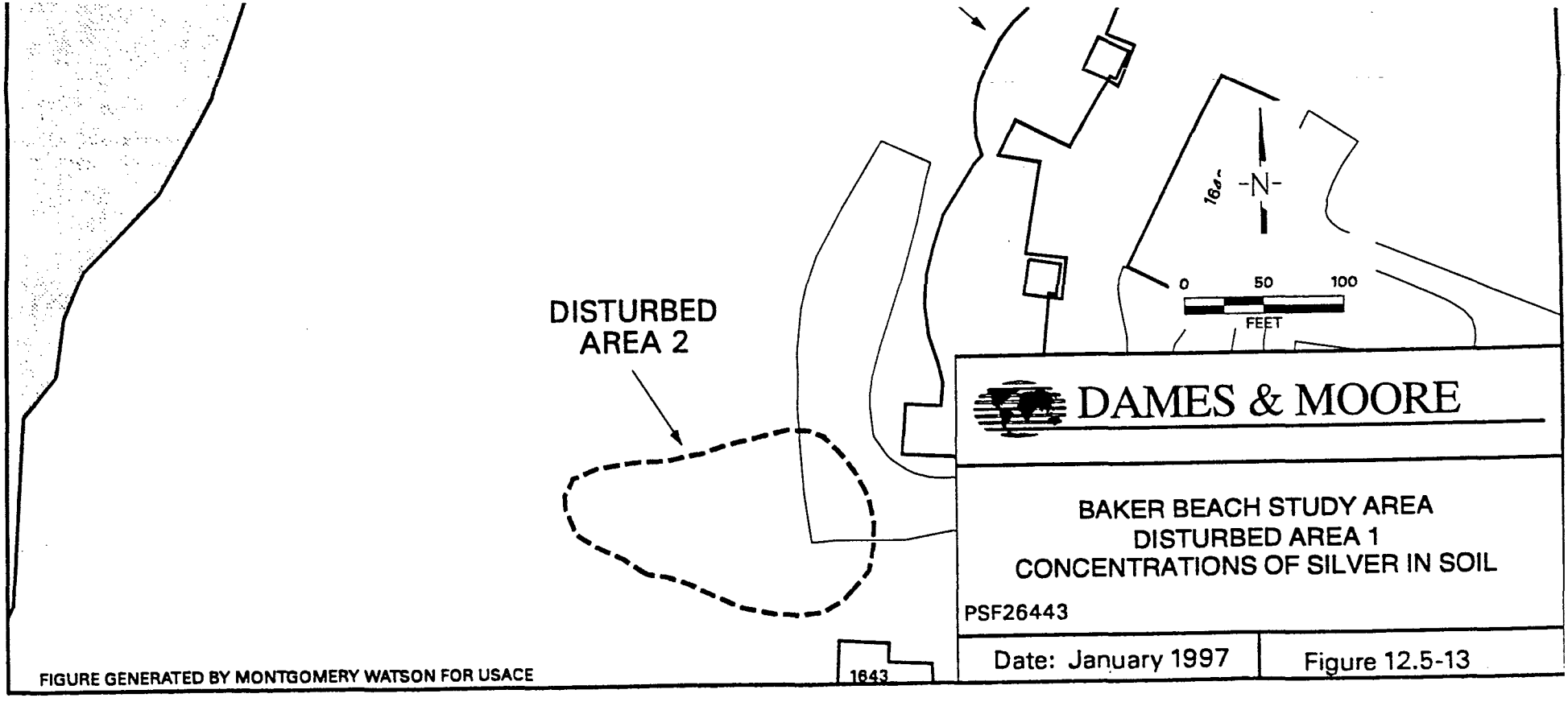

SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Selenium 0.446 <0.250
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Selenium 0.574 0.764
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Selenium <0.250
BATTERY BOUTELLE
BATTERY GODFREY
DISTURBED AREA 2
N
0 50 100
FEET
DAMES & MOORE


DISTURBED
AREA 2
-N-
0
50
100
FEET
DAMES & MOORE
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF SELENIUM IN SOIL
PSF26455
Date: January 1997
Figure 12.5-12
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE
1643
23 Nov 96 13:36:33 Monday, base_11x17_v3.amd, plotfile base_DA1_S_17.gpn, PSF

3

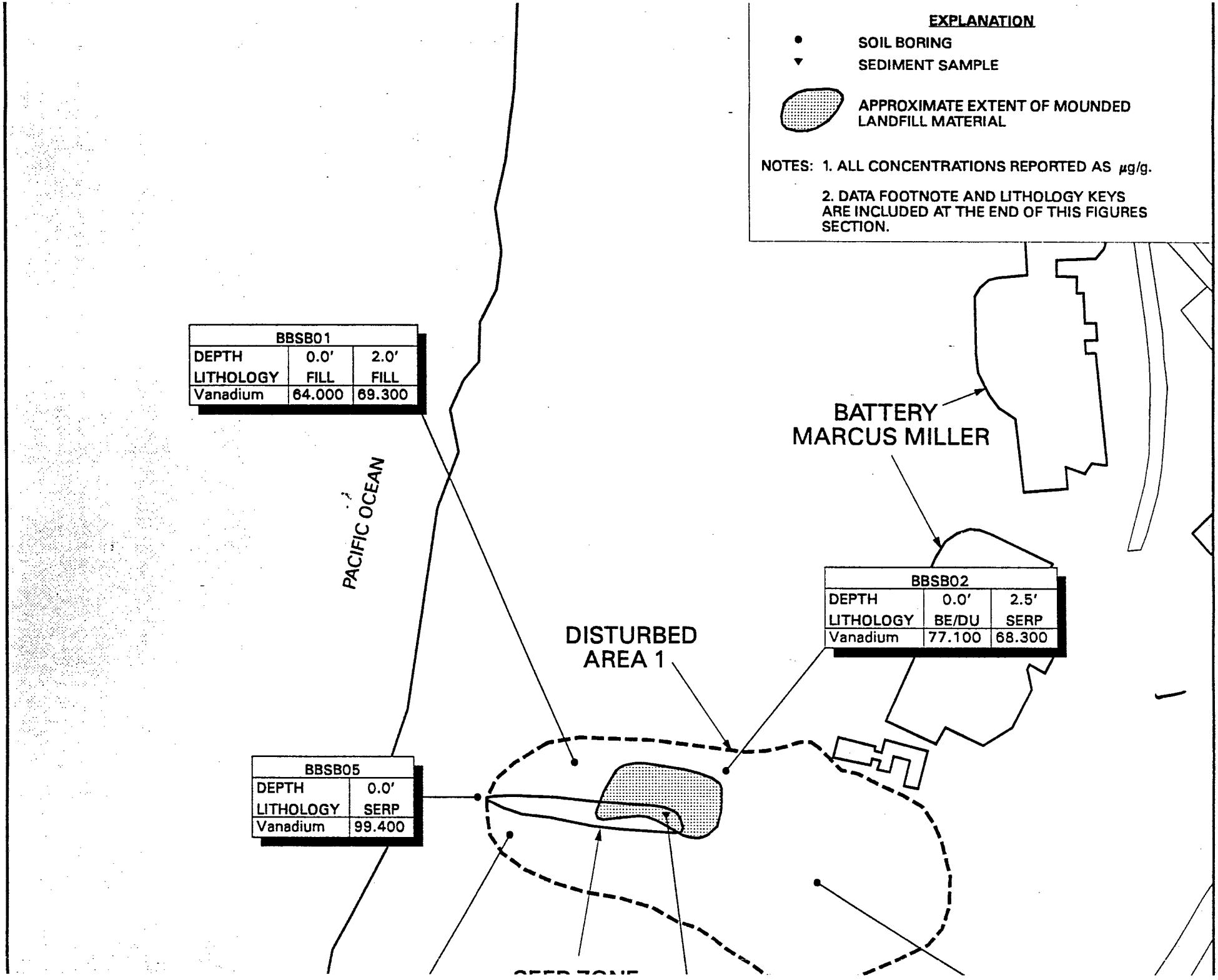

EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH | 0.0' | 2.0'
LITHOLOGY | FILL | FILL
Silver | 1.840 | 2.080
PACIFIC OCEAN
BATTERY MARCUS MILLER
BBSB02
DEPTH | 0.0' | 2.5'
LITHOLOGY | BE/DU | SERP
Silver | 0.947 | <0.521
DISTURBED AREA 1
BBSB05
DEPTH | 0.0'
LITHOLOGY | SERP
Silver | 2.630

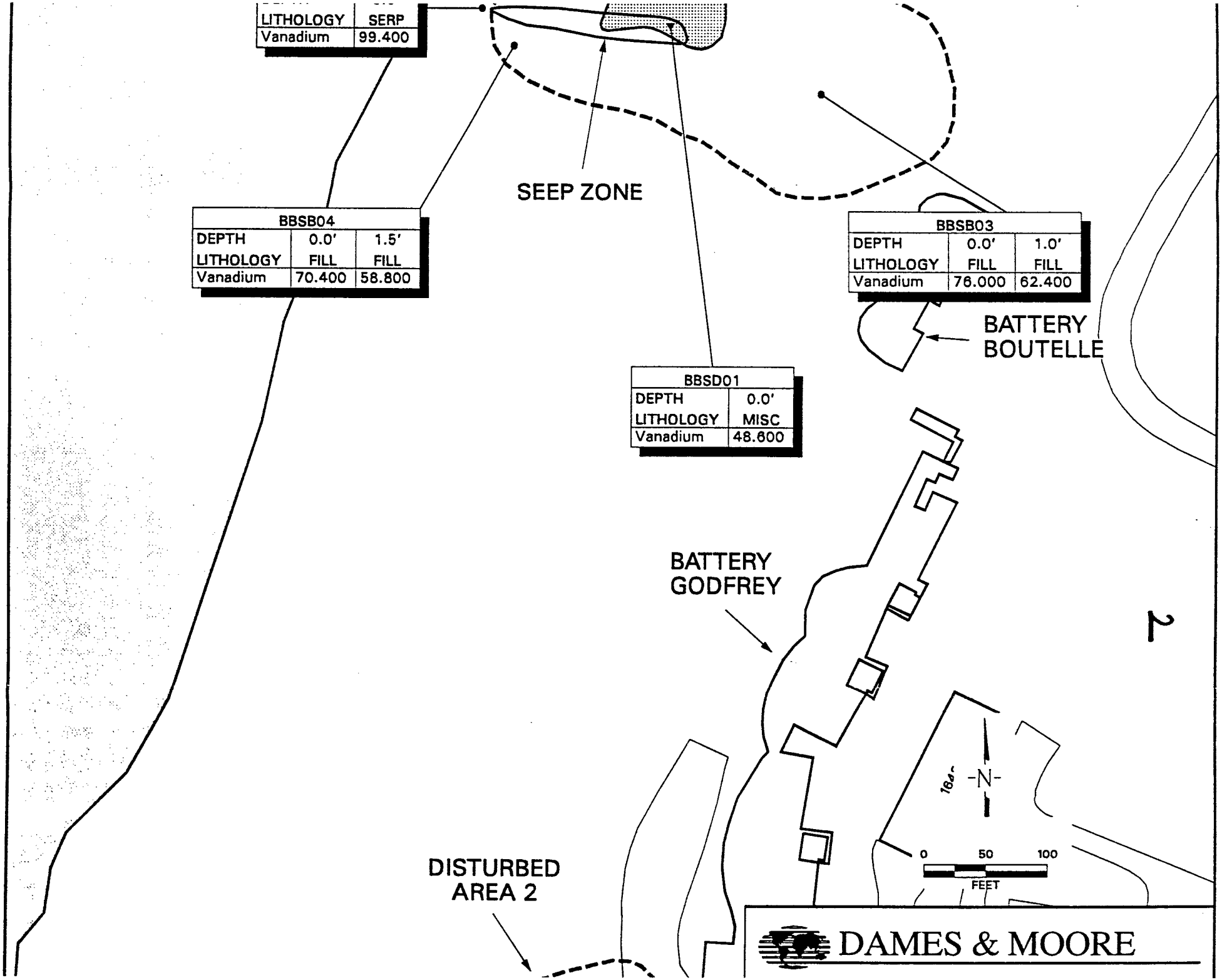

DEPTH 0.0'
LITHOLOGY SERP
Silver 2.630
SEEP ZONE
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Silver 1.230 1.350
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Silver <0.521 <0.521
BATTERY BOUTELLE
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Silver 6.090
BATTERY GODFREY
DISTURBED AREA 2
-N-
0 50 100
FEET
DAMES & MOORE

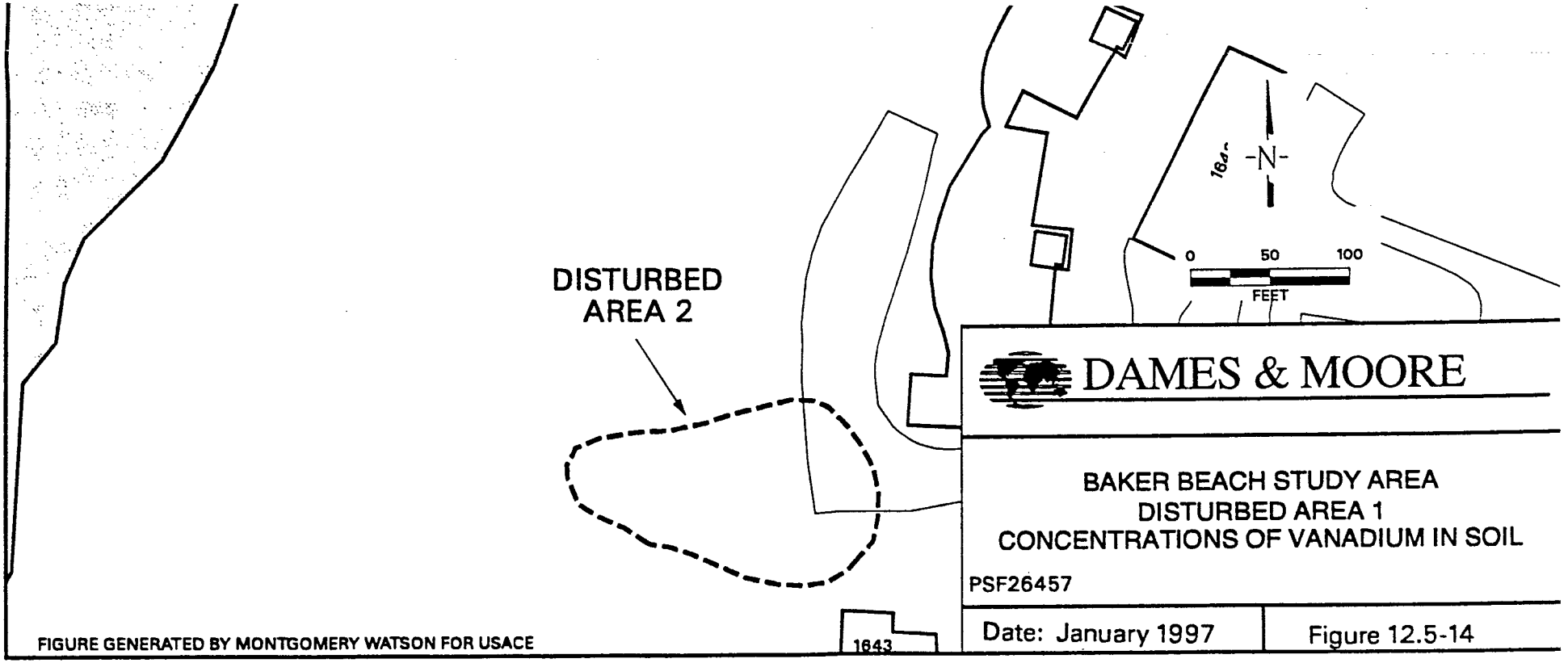


25 Nov 96 13:37:57 Monday, base_11x17_v3.amt, plotfile base_DA1_5_18.grn, PSF

W


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
BBSB01
DEPTH | 0.0' | 2.0'
LITHOLOGY | FILL | FILL
Vanadium | 64.000 | 69.300
BBSB02
DEPTH | 0.0' | 2.5'
LITHOLOGY | BE/DU | SERP
Vanadium | 77.100 | 68.300
BBSB05
DEPTH | 0.0'
LITHOLOGY | SERP
Vanadium | 99.400
PACIFIC OCEAN
BATTERY MARCUS MILLER
DISTURBED AREA 1


LITHOLOGY | SERP
Vanadium | 99.400
SEEP ZONE
BBSB04
DEPTH | 0.0' | 1.5'
LITHOLOGY | FILL | FILL
Vanadium | 70.400 | 58.800
BBSB03
DEPTH | 0.0' | 1.0'
LITHOLOGY | FILL | FILL
Vanadium | 76.000 | 62.400
BATTERY BOUTELLE
BBSD01
DEPTH | 0.0'
LITHOLOGY | MISC
Vanadium | 48.600
BATTERY GODFREY
2
DISTURBED AREA 2
-N-
0 50 100
FEET
DAMES & MOORE



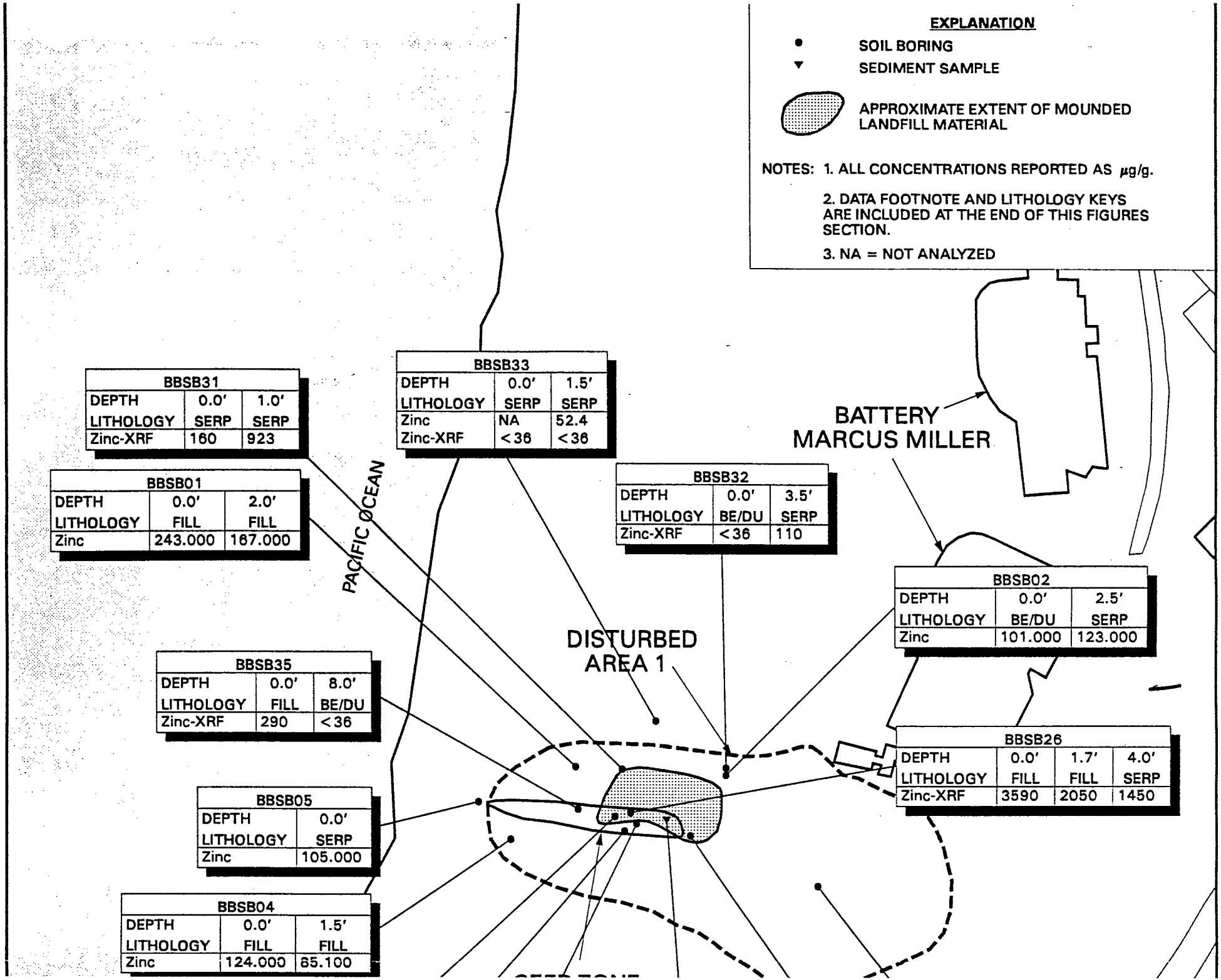
DAMES & MOORE

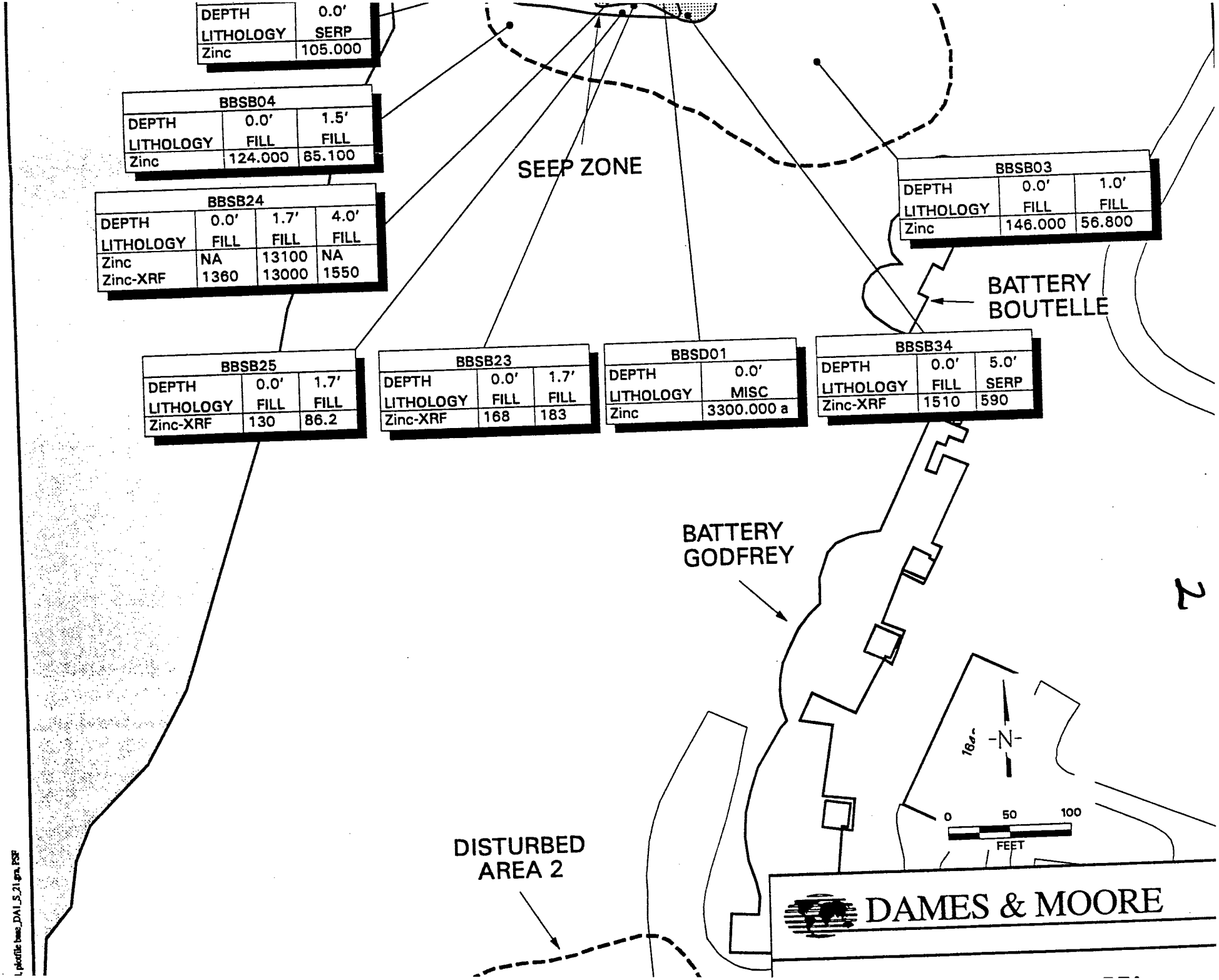
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF VANADIUM IN SOIL

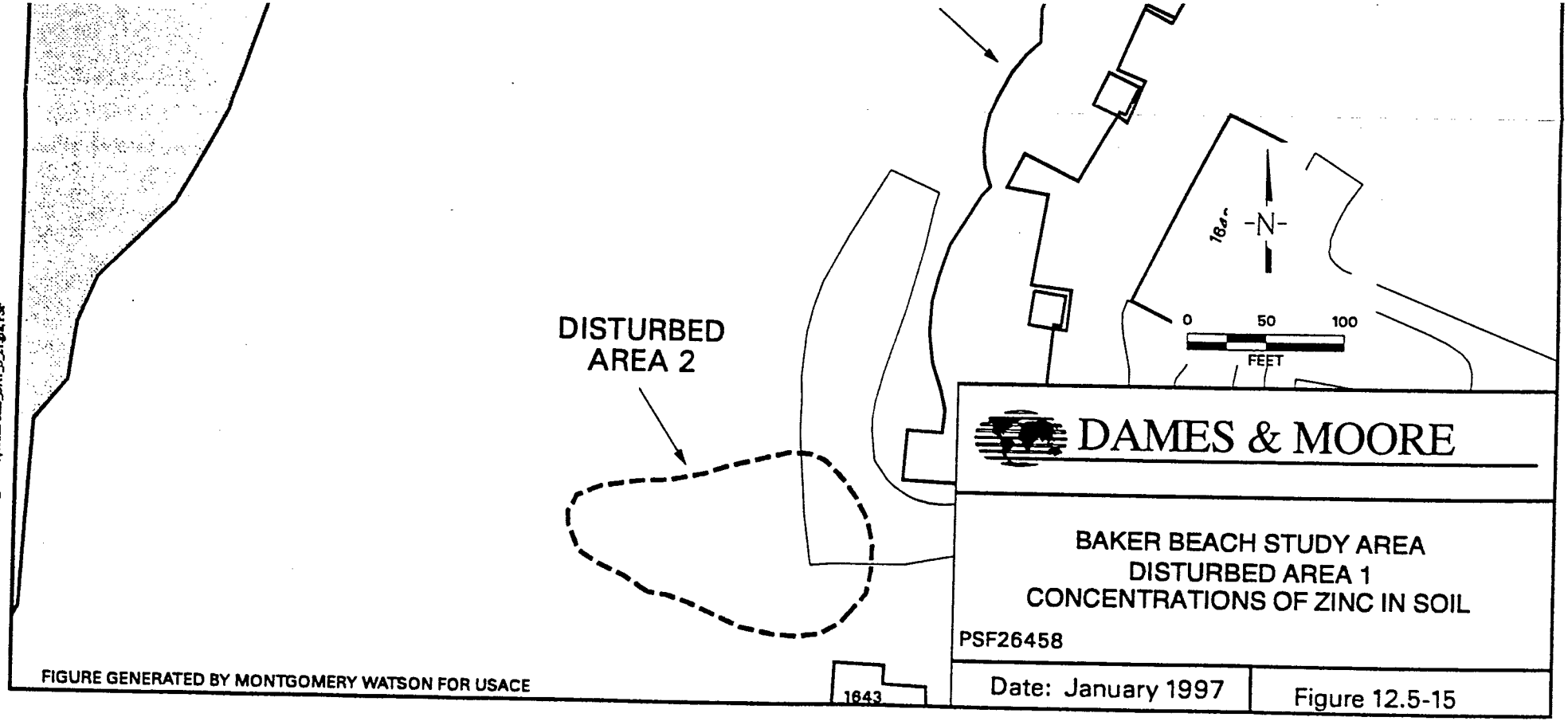
PSF26457

Date: January 1997 | Figure 12.5-14

3


EXPLANATION
SOIL BORING
SEDIMENT SAMPLE
APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
BBSB31
DEPTH | 0.0′ | 1.0′
LITHOLOGY | SERP | SERP
Zinc-XRF | 160 | 923
BBSB33
DEPTH | 0.0′ | 1.5′
LITHOLOGY | SERP | SERP
Zinc | NA | 52.4
Zinc-XRF | <36 | <36
BBSB01
DEPTH | 0.0′ | 2.0′
LITHOLOGY | FILL | FILL
Zinc | 243.000 | 167.000
BBSB32
DEPTH | 0.0′ | 3.5′
LITHOLOGY | BE/DU | SERP
Zinc-XRF | <36 | 110
BBSB02
DEPTH | 0.0′ | 2.5′
LITHOLOGY | BE/DU | SERP
Zinc | 101.000 | 123.000
BBSB35
DEPTH | 0.0′ | 8.0′
LITHOLOGY | FILL | BE/DU
Zinc-XRF | 290 | <36
BBSB26
DEPTH | 0.0′ | 1.7′ | 4.0′
LITHOLOGY | FILL | FILL | SERP
Zinc-XRF | 3590 | 2050 | 1450
BBSB05
DEPTH | 0.0′
LITHOLOGY | SERP
Zinc | 105.000
BBSB04
DEPTH | 0.0′ | 1.5′
LITHOLOGY | FILL | FILL
Zinc | 124.000 | 65.100
PACIFIC OCEAN
BATTERY MARCUS MILLER
DISTURBED AREA 1


DEPTH 0.0'
LITHOLOGY SERP
Zinc 105.000
BBSB04
DEPTH 0.0' 1.5'
LITHOLOGY FILL FILL
Zinc 124.000 65.100
BBSB24
DEPTH 0.0' 1.7' 4.0'
LITHOLOGY FILL FILL FILL
Zinc NA 13100 NA
Zinc-XRF 1360 13000 1550
SEEP ZONE
BBSB03
DEPTH 0.0' 1.0'
LITHOLOGY FILL FILL
Zinc 146.000 56.800
BATTERY BOUTELLE
BBSB25
DEPTH 0.0' 1.7'
LITHOLOGY FILL FILL
Zinc-XRF 130 86.2
BBSB23
DEPTH 0.0' 1.7'
LITHOLOGY FILL FILL
Zinc-XRF 168 183
BBSD01
DEPTH 0.0'
LITHOLOGY MISC
Zinc 3300.000 a
BBSB34
DEPTH 0.0' 5.0'
LITHOLOGY FILL SERP
Zinc-XRF 1510 590
BATTERY GODFREY
DISTURBED AREA 2
-N-
0 50 100
FEET
DAMES & MOORE


DISTURBED
AREA 2
-N-
0
50
100
FEET
DAMES & MOORE
BAKER BEACH STUDY AREA
DISTURBED AREA 1
CONCENTRATIONS OF ZINC IN SOIL
PSF26458
Date: January 1997
Figure 12.5-15
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE
1643
25 Nov 96 13:54:17 Monday, base_11x17_v3.arnl, plotfile base_DA1_S_21.grn, PSF

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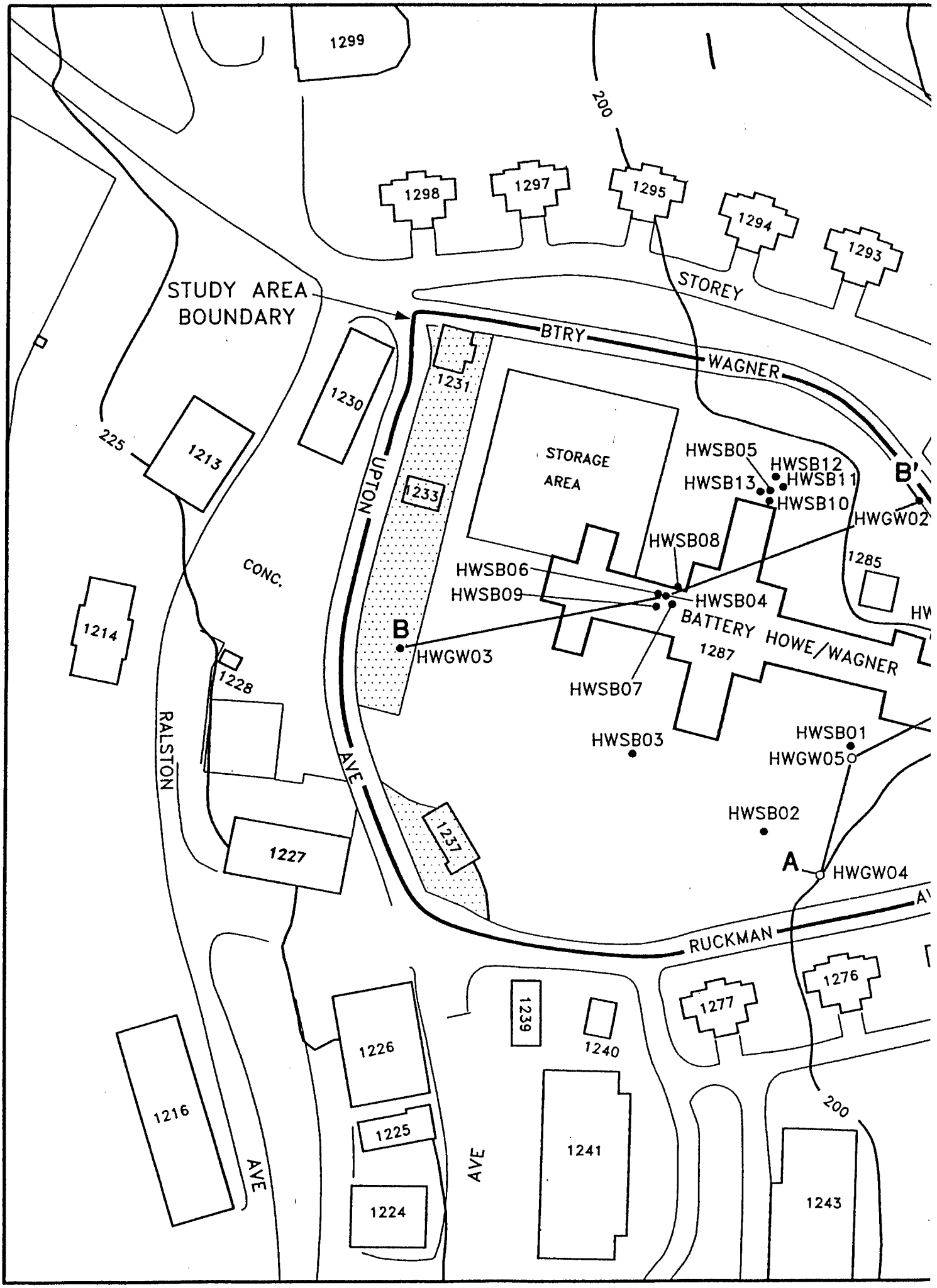
1299
200
1298
1297
1295
1294
1293
STUDY AREA BOUNDARY
STOREY
BTRY
WAGNER
1231
1230
225
1213
UPTON
1233
STORAGE AREA
HWSB05
HWSB12
HWSB13
HWSB11
HWSB10
B'
HWGW02
HWSB08
1285
HWSB06
HWSB09
HWSB04
CONC.
1214
B
BATTERY HOWE/WAGNER
1287
HWGW03
1228
HWSB07
RALSTON
AVE
HWSB03
HWSB01
HWGW05
HWSB02
1237
1227
A
HWGW04
RUCKMAN
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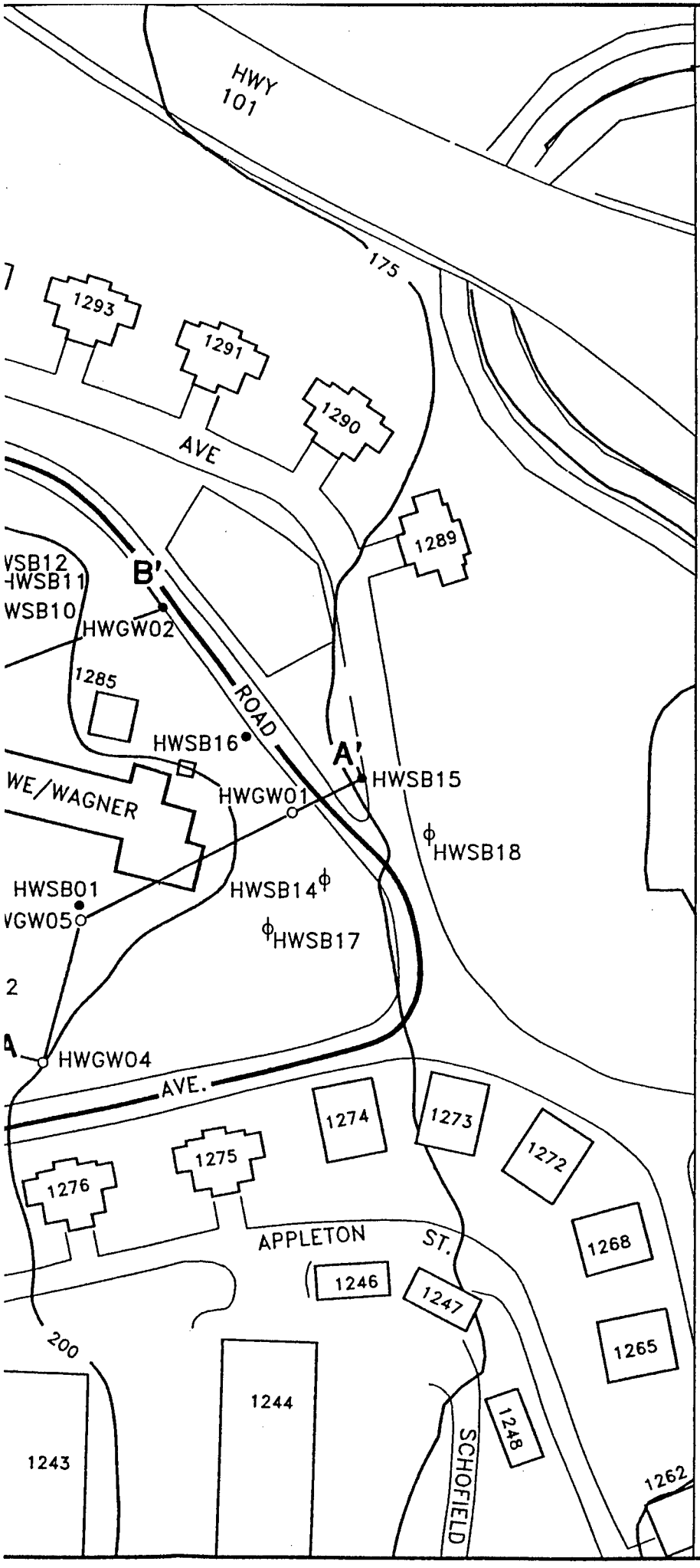
AVE
1241
200
1224
1243



2

EXPLANATION

- • SOIL BORING
- ϕ DISCRETE GROUNDWATER
- o MONITORING WELL
- A A' CROSS SECTION LINE
- 200 TOPOGRAPHIC CONTOUR
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW W/

N

0 50 100

FEET

DAMES & M

BATTERY HOWE/WA
SAMPLE LOCATIO

PSF25016/DV2

Date: January 1997 | Figure

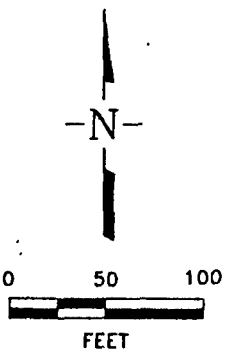
3

EXPLANATION

- • SOIL BORING
- ϕ DISCRETE GROUNDWATER SAMPLE
- o MONITORING WELL
- A A' CROSS SECTION LINE
- 200 TOPOGRAPHIC CONTOUR
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

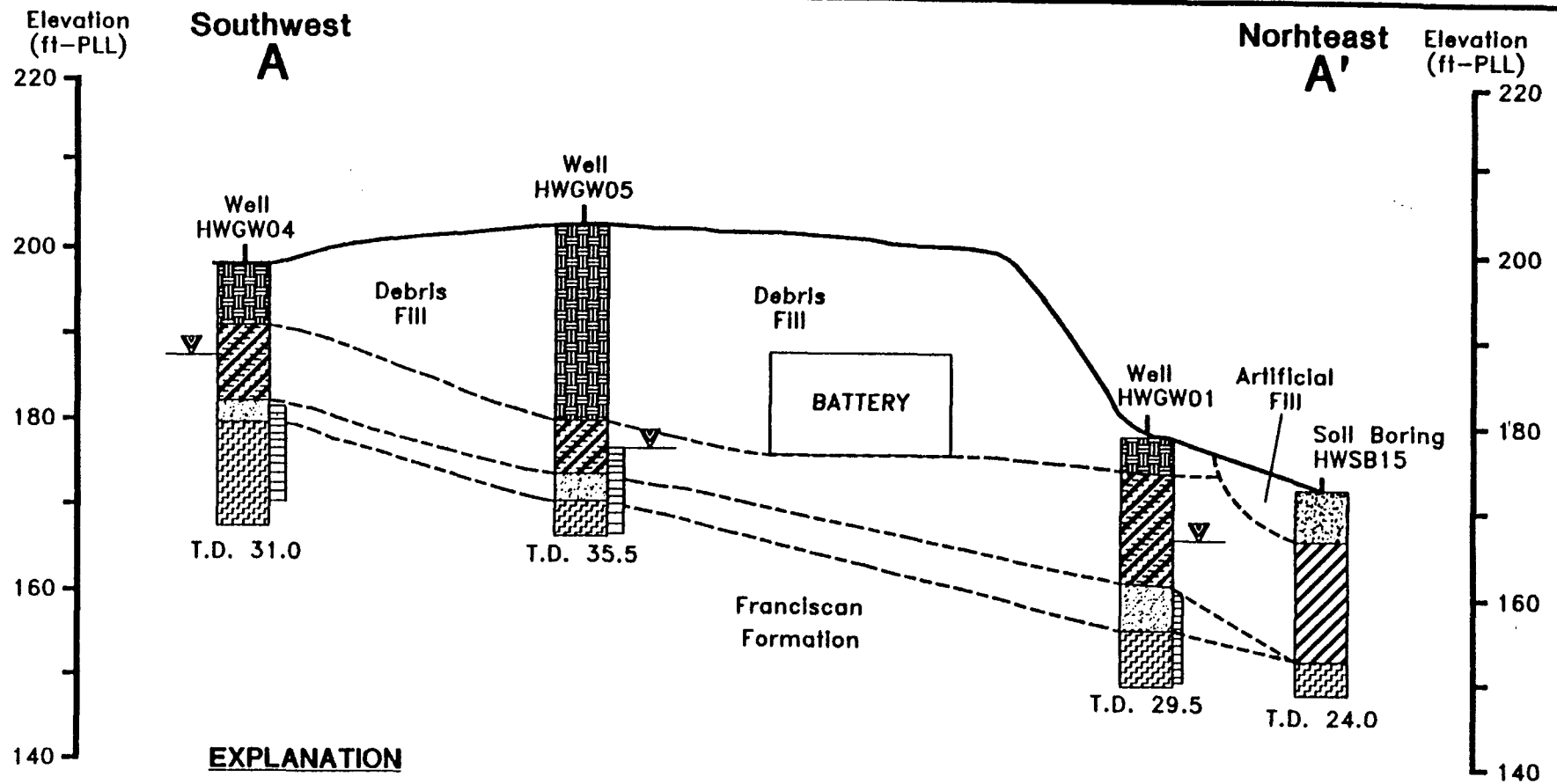


DAMES & MOORE

BATTERY HOWE/WAGNER SAMPLE LOCATIONS

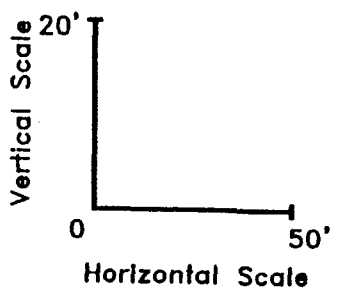
PSF25016/DV2

Date: January 1997 | Figure 13.1–1



EXPLANATION

- Artificial Fill
- Debris Fill
- Clay
- Silt
- Sand
- Serpentinite
- Contact, dashed where inferred
- Water Level (3/16/95)
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- Well Screen Interval

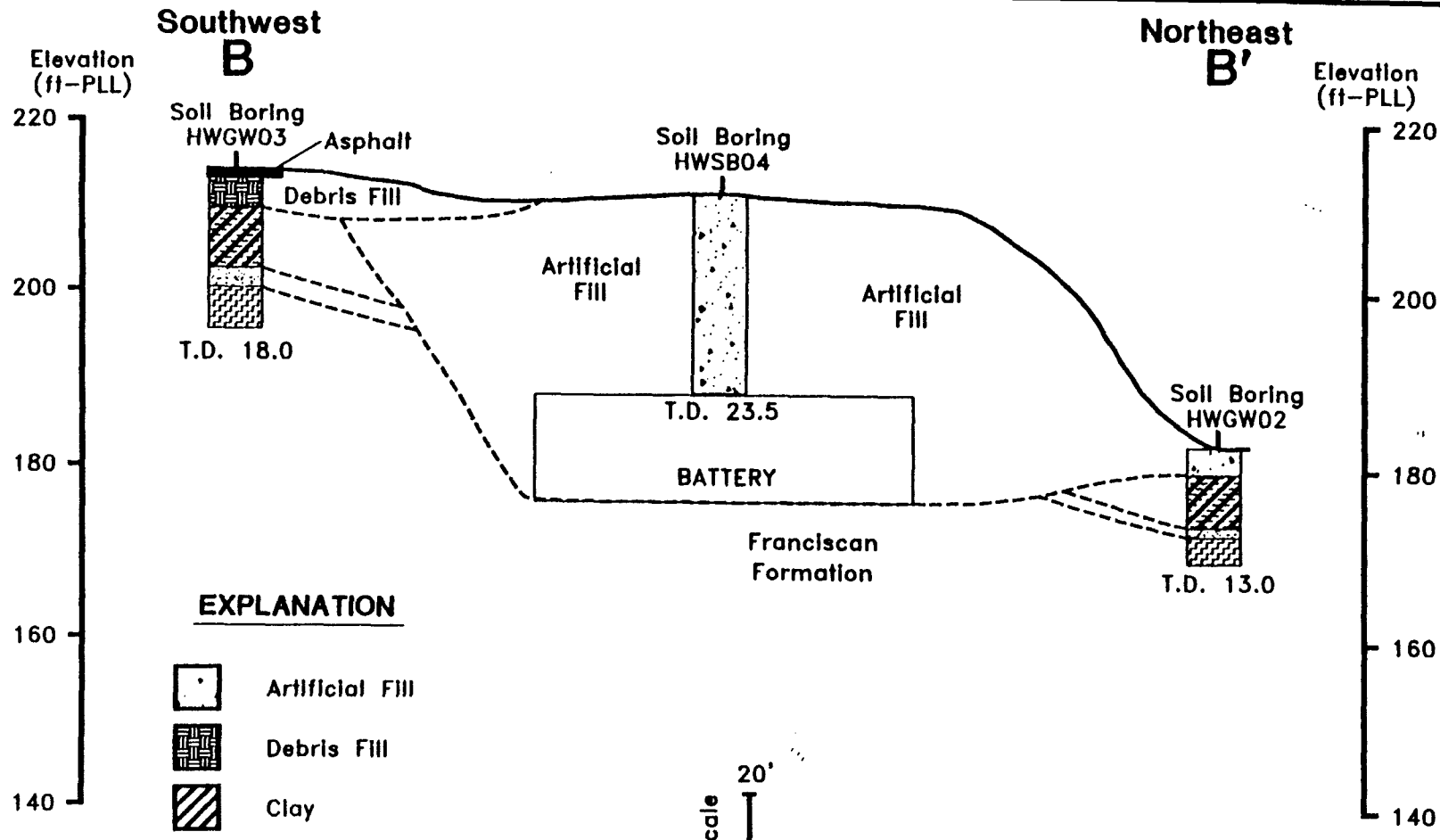


DAMES & MOORE

BATTERY HOWE/WAGNER
CROSS SECTION A-A'

PSF25037/DV2

Date: January 1997 | Figure 13.3-1

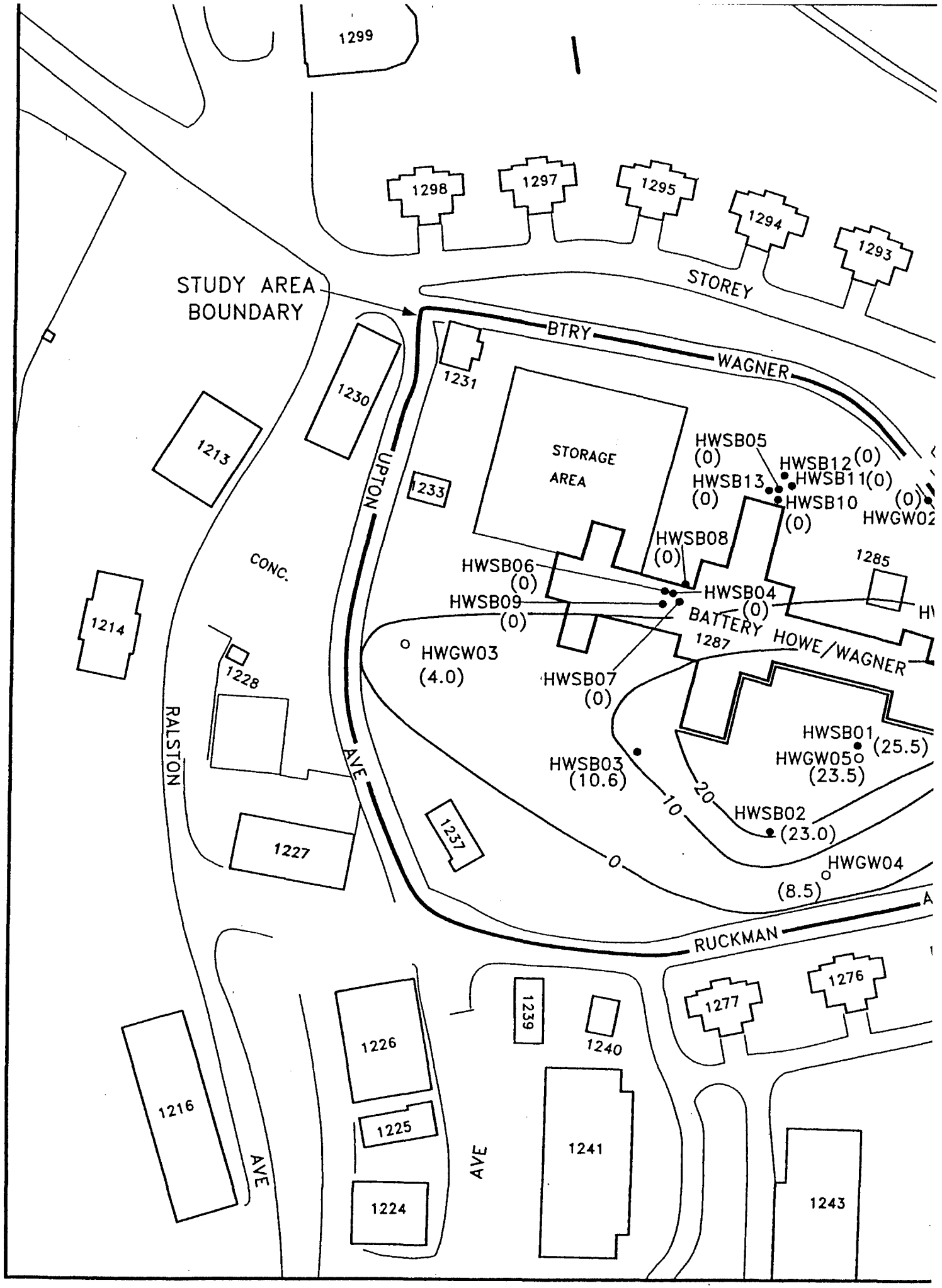


DAMES & MOORE

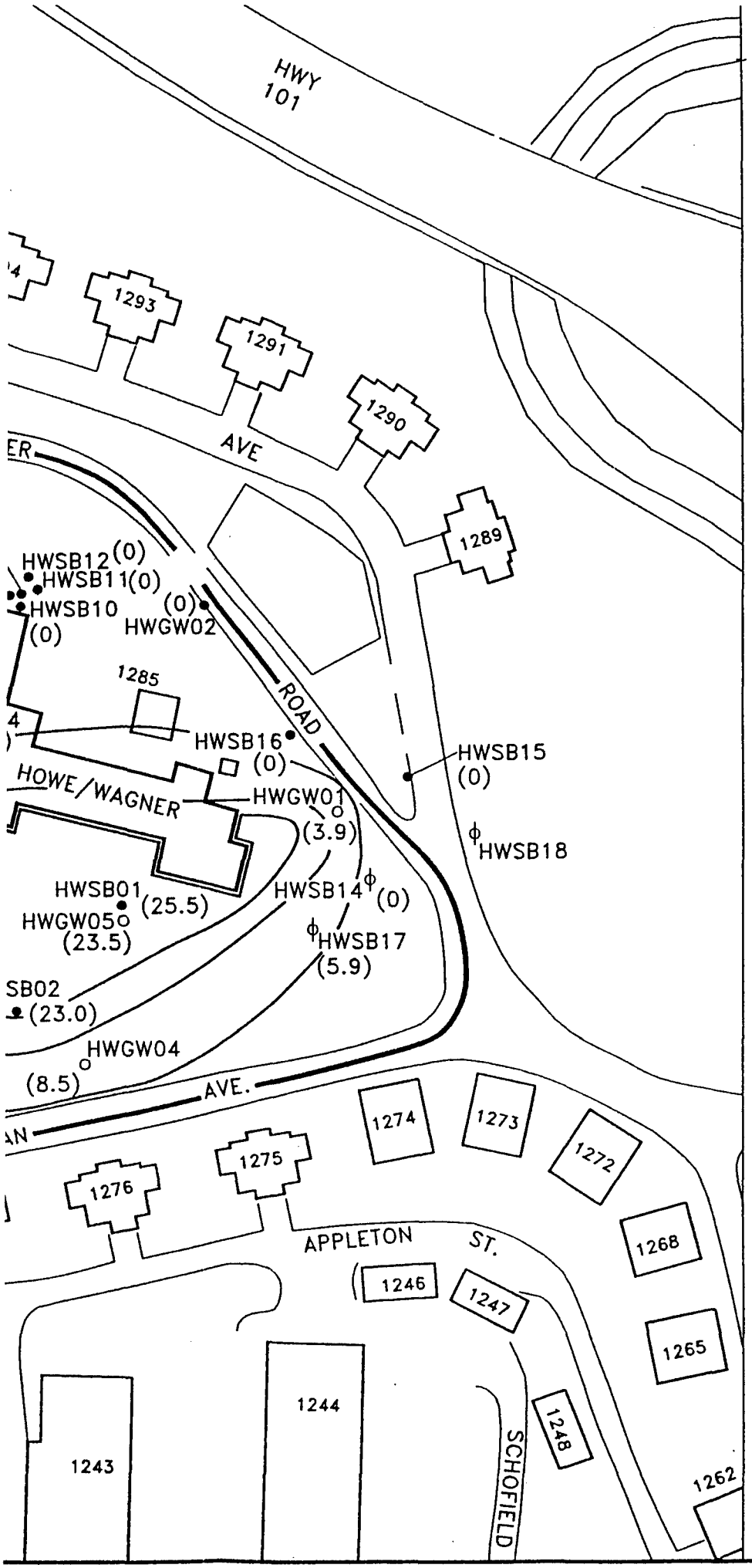
BATTERY HOWE/WAGNER
CROSS SECTION B-B'

PSF25036/DV2

Date: January 1997 | Figure 13.3-2


1299
1298
1297
1295
1294
1293
STOREY
STUDY AREA BOUNDARY
BTRY
WAGNER
1231
1230
1213
UPTON
1233
STORAGE AREA
HWSB05 (0)
HWSB12 (0)
HWSB13 (0)
HWSB11 (0)
HWSB10 (0)
HWGW02
HWSB08 (0)
1285
HWSB06 (0)
HWSB04 (0)
HWSB09 (0)
BATTERY HOWE/WAGNER
1287
CONC.
1214
1228
HWGW03 (4.0)
HWSB07 (0)
HWSB01 (25.5)
HWGW05 (23.5)
HWSB03 (10.6)
20
10
0
HWSB02 (23.0)
HWGW04 (8.5)
RALSTON
AVE
1227
1237
RUCKMAN
1277
1276
1239
1240
1226
1216
1225
AVE
1241
1243
1224

2



EXPLANATION

- • SOIL BORING
- ϕ DISCRETE GROUNDWA
- o MONITORING WELL
- (8.5) DEBRIS FILL THICKNE
- —10— DEBRIS FILL THICKNE
  CONTOUR INTERVAL 1

-N-

0 50
FEET

DAMES &

BATTERY HOWE/
DEBRIS FILL IS

PSF25038/DV2

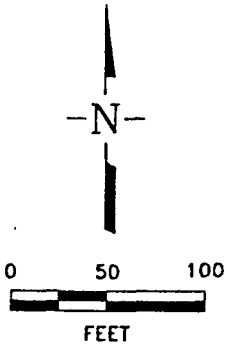
Date: January 1997 | Fig

3

EXPLANATION

- • SOIL BORING
- ϕ DISCRETE GROUNDWATER SAMPLE
- o MONITORING WELL
- (8.5) DEBRIS FILL THICKNESS IN FEET
- —10— DEBRIS FILL THICKNESS CONTOUR

CONTOUR INTERVAL 10 FEET

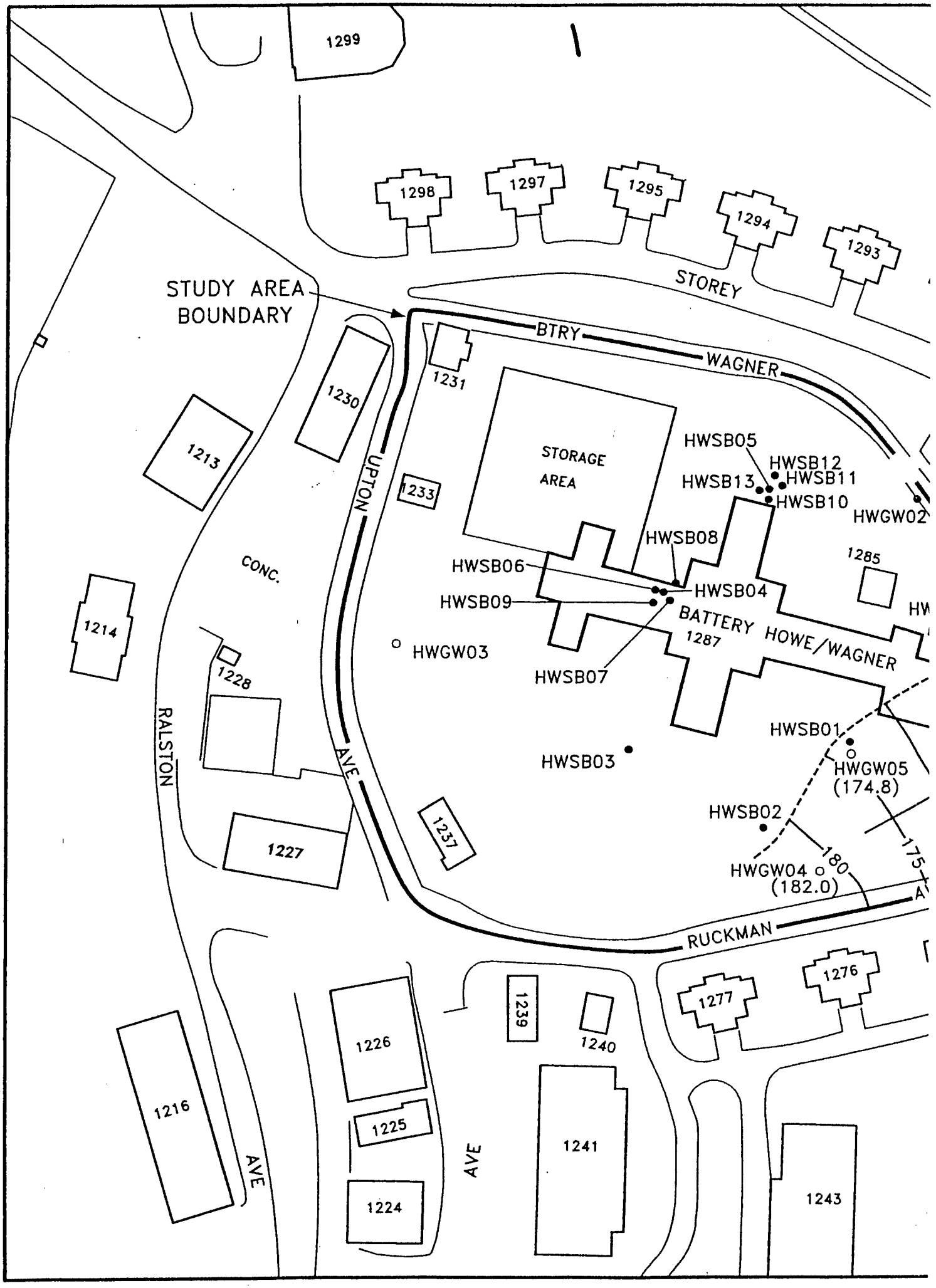


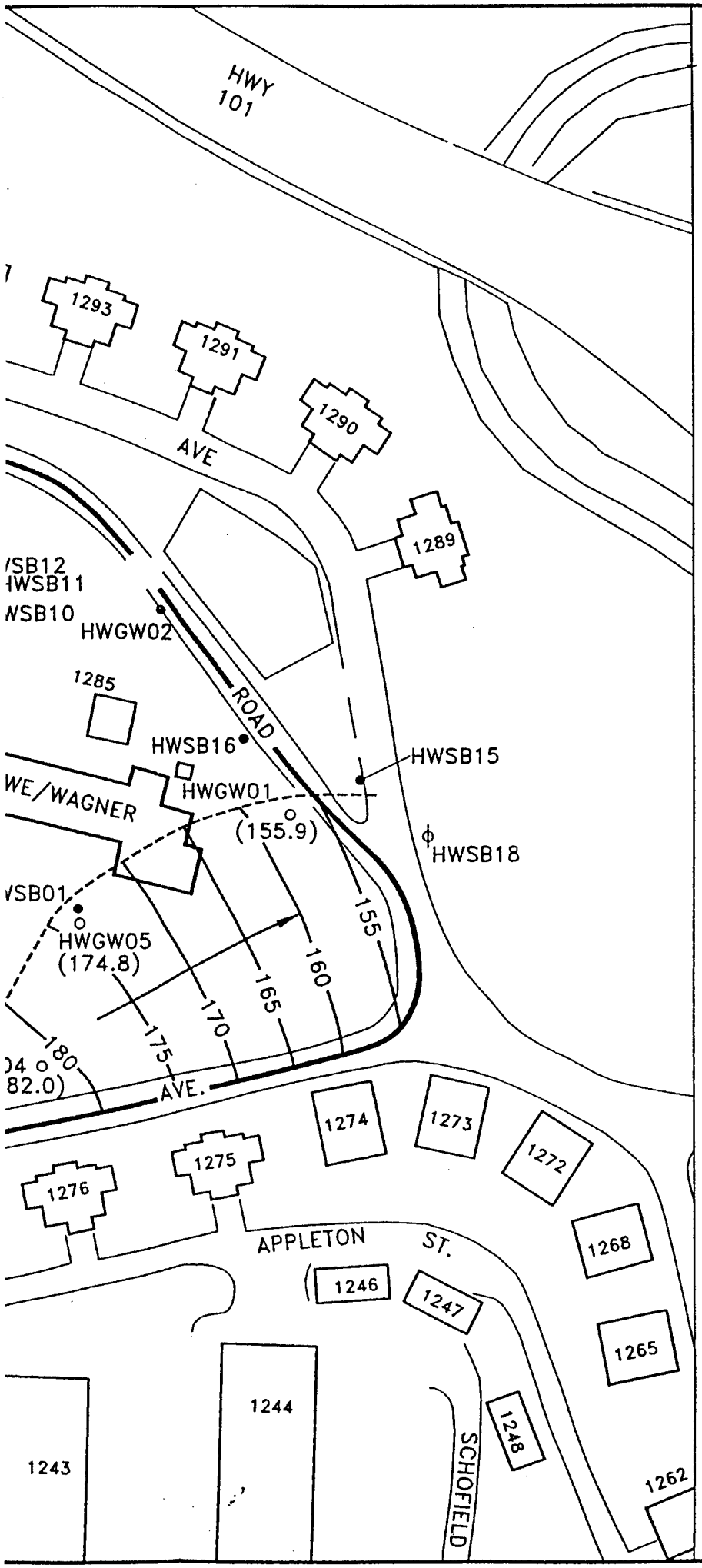
DAMES & MOORE

BATTERY HOWE/WAGNER
DEBRIS FILL ISOPACH

PSF25038/DV2

Date: January 1997 | Figure 13.3-3


1299
1298
1297
1295
1294
1293
STOREY
STUDY AREA BOUNDARY
BTRY
WAGNER
1231
1230
1213
UPTON
STORAGE AREA
HWSB05
HWSB12
HWSB13
HWSB11
HWSB10
HWGW02
1233
HWSB08
1285
CONC.
HWSB06
HWSB04
HWSB09
BATTERY HOWE/WAGNER
1287
1214
HWGW03
1228
HWSB07
HWSB01
HWSB03
HWGW05
(174.8)
RALSTON
AVE
HWSB02
1227
1237
180
175
HWGW04
(182.0)
RUCKMAN
1276
1277
1239
1240
1226
1216
1225
AVE
1241
1243
1224

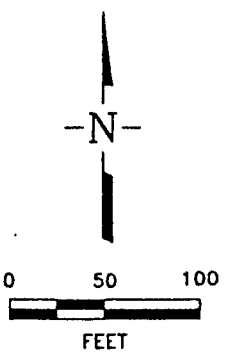


2

EXPLANATION

- • SOIL BORING
- o MONITORING WELL
- (155.9) WATER TABLE SURFACE E (9/10/92)
- —155— EQUIPOTENTIAL CONTOUR
- CONTOUR INTERVAL 5 FE
- GROUNDWATER FLOW DIRI
- ESTIMATED BOUNDARY BE SATURATED & UNSATURA SEDIMENTS

ELEVATIONS IN FEET–PRESIDIO LOWER LC



DAMES & M

BATTERY HOWE/WA(
POTENTIOMETRIC SURFA
SEPTEMBER 199

PSF25050/DV2

Date: January 1997 | Figure

EXPLANATION

- • SOIL BORING
- o MONITORING WELL

(155.9) WATER TABLE SURFACE ELEVATION (9/10/92)

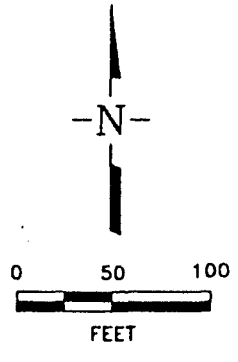
155 EQUIPOTENTIAL CONTOUR

CONTOUR INTERVAL 5 FEET

GROUNDWATER FLOW DIRECTION

ESTIMATED BOUNDARY BETWEEN SATURATED & UNSATURATED SEDIMENTS

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

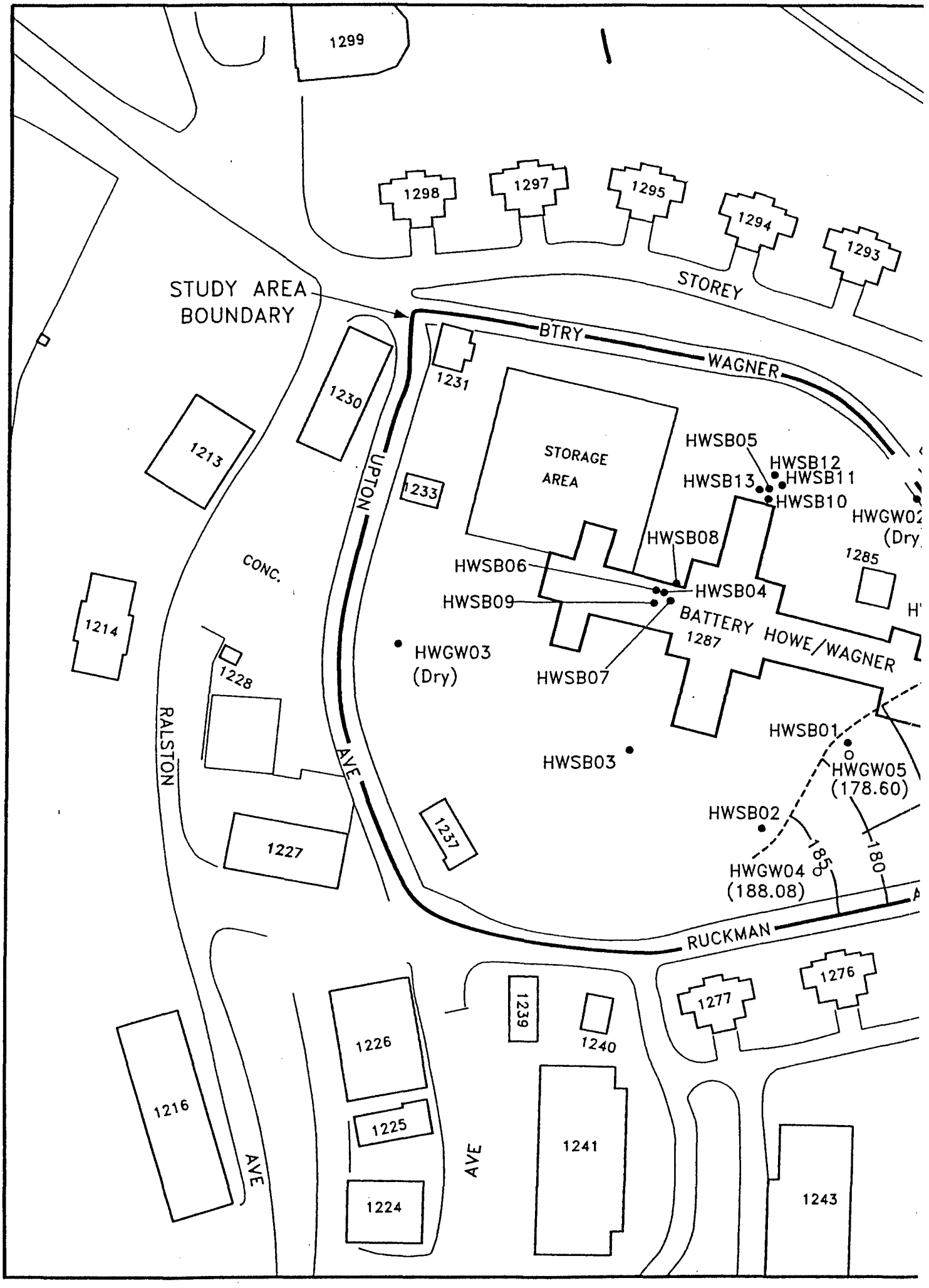


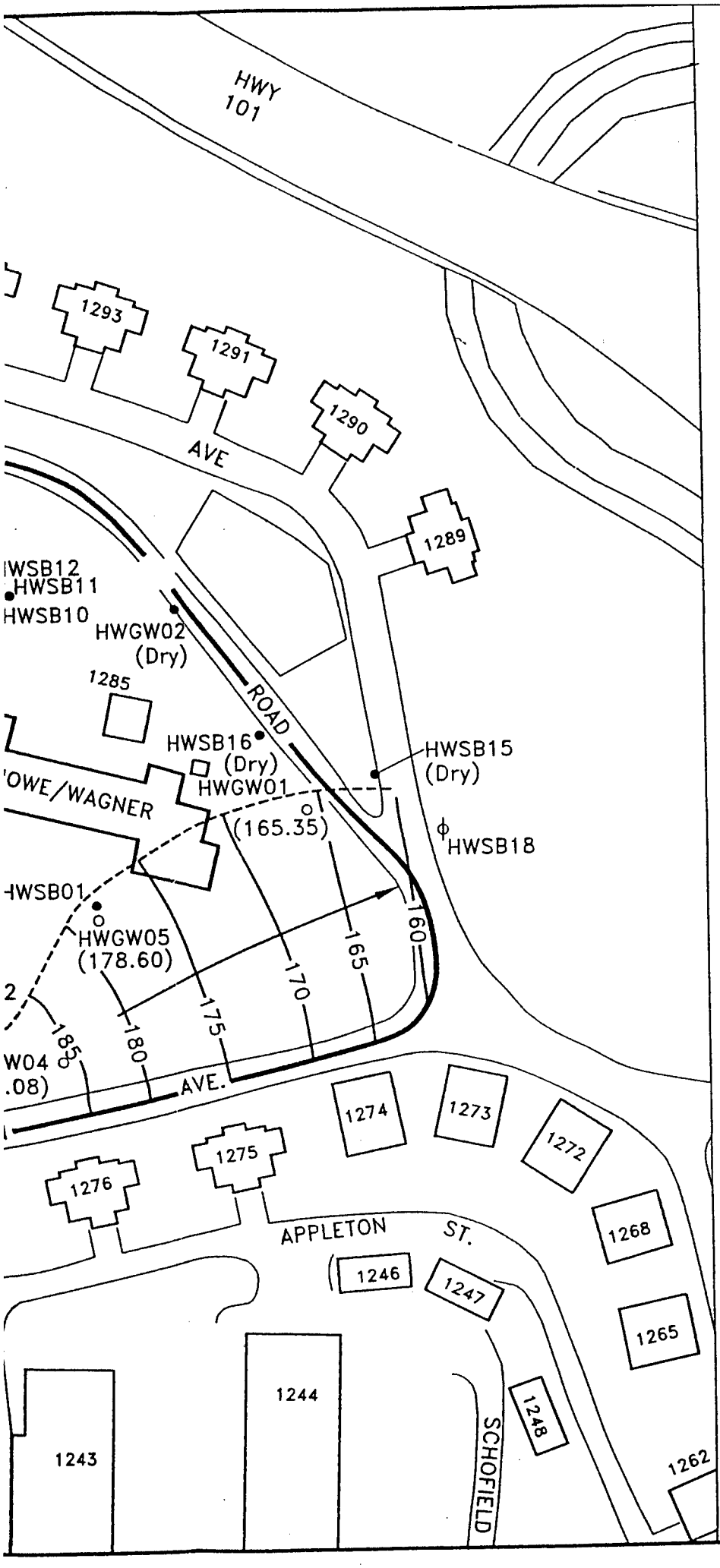
DAMES & MOORE

BATTERY HOWE/WAGNER
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 1992

PSF25050/DV2

Date: January 1997 | Figure 13.3–4


1299
1298
1297
1295
1294
1293
STUDY AREA BOUNDARY
STOREY
BTRY
WAGNER
1231
1230
1213
UPTON
1233
STORAGE AREA
HWSB05
HWSB12
HWSB13
HWSB11
HWSB10
HWGW02
(Dry)
HWSB08
1285
HWSB06
HWSB04
HWSB09
BATTERY HOWE/WAGNER
1287
1214
CONC.
HWGW03
(Dry)
HWSB07
1228
RALSTON
AVE
HWSB01
HWSB03
HWGW05
(178.60)
HWSB02
1237
1227
185
180
HWGW04
(188.08)
RUCKMAN
1276
1277
1239
1240
1226
1216
1225
AVE
1241
1224
1243



2

EXPLANATION

- • SOIL BORING
- o MONITORING WELL
- ϕ DISCRETE GROUNDWATEF
- (188.08) WATER TABLE SURFACE (3/16/95)
- —160— EQUIPOTENTIAL CONTOU
- CONTOUR INTERVAL 5 F
- GROUNDWATER FLOW DI
- ESTIMATED BOUNDARY E SATURATED & UNSATUR SEDIMENTS

ELEVATIONS
FEET–PRESIDIO LOWER

-N-

0 50 1
FEET

DAMES &

BATTERY HOWE/W
POTENTIOMETIC SURI
MARCH 199

PSF25051/DV1

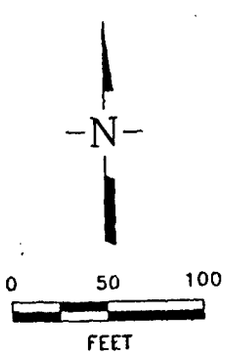
Date: January 1997 | Figu

3

EXPLANATION

- • SOIL BORING
- o MONITORING WELL
- ϕ DISCRETE GROUNDWATER SAMPLE
- (188.08) WATER TABLE SURFACE ELEVATION (3/16/95)
- —160— EQUIPOTENTIAL CONTOUR
  CONTOUR INTERVAL 5 FEET
- GROUNDWATER FLOW DIRECTION
- ---------- ESTIMATED BOUNDARY BETWEEN SATURATED & UNSATURATED SEDIMENTS

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER



DAMES & MOORE

BATTERY HOWE/WAGNER
POTENTIOMETIC SURFACE MAP
MARCH 1995

PSF25051/DV1

Date: January 1997 | Figure 13.3–5

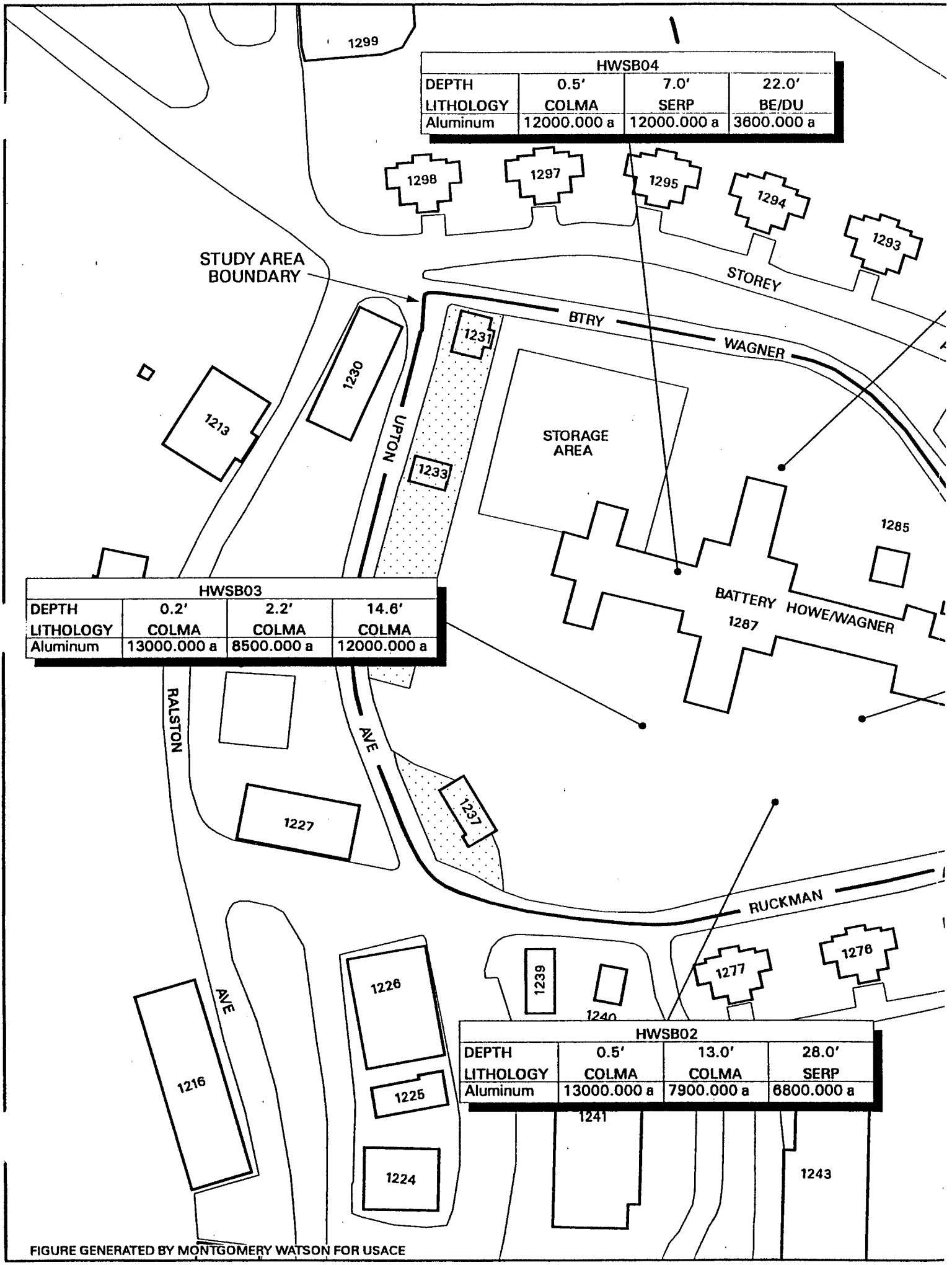
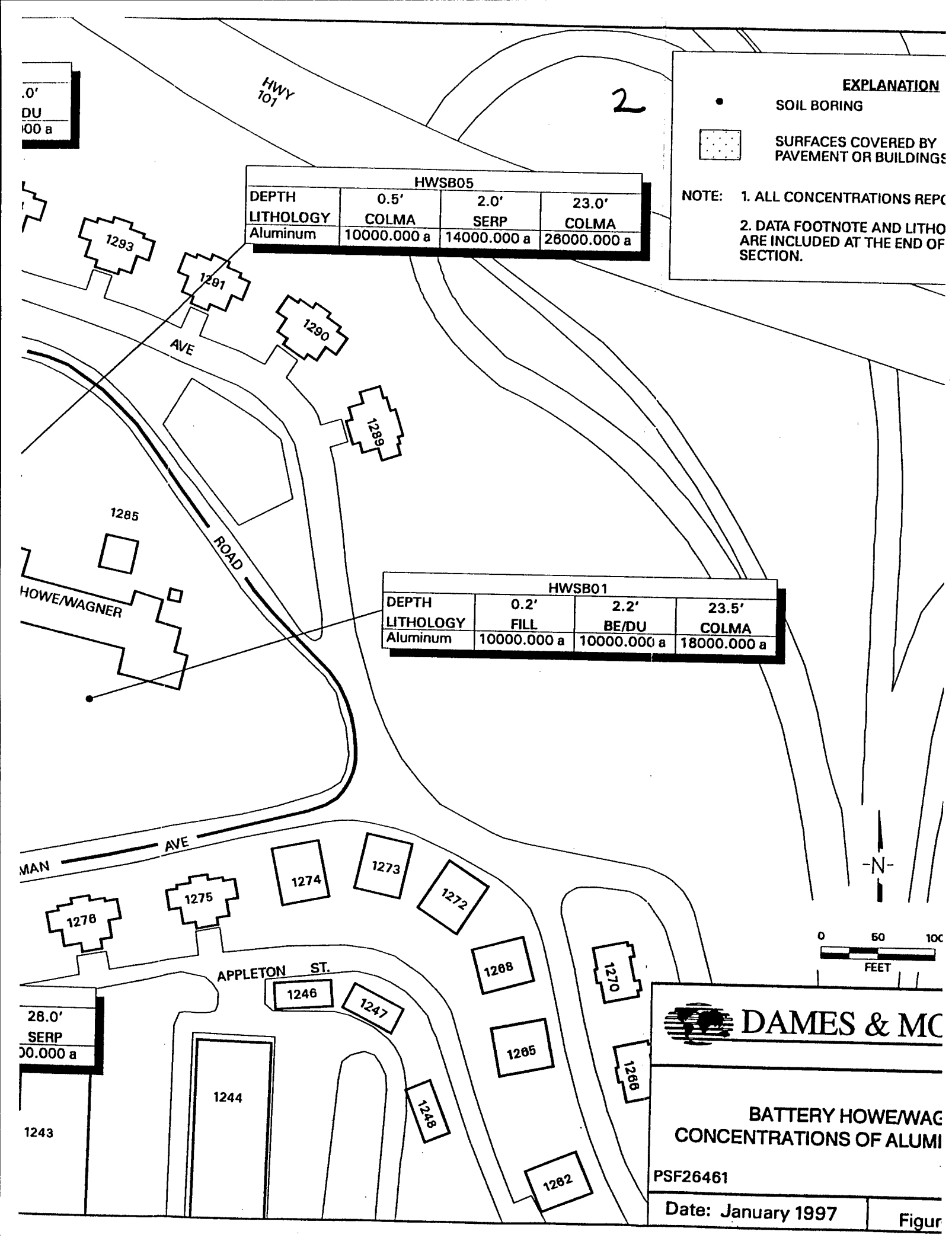
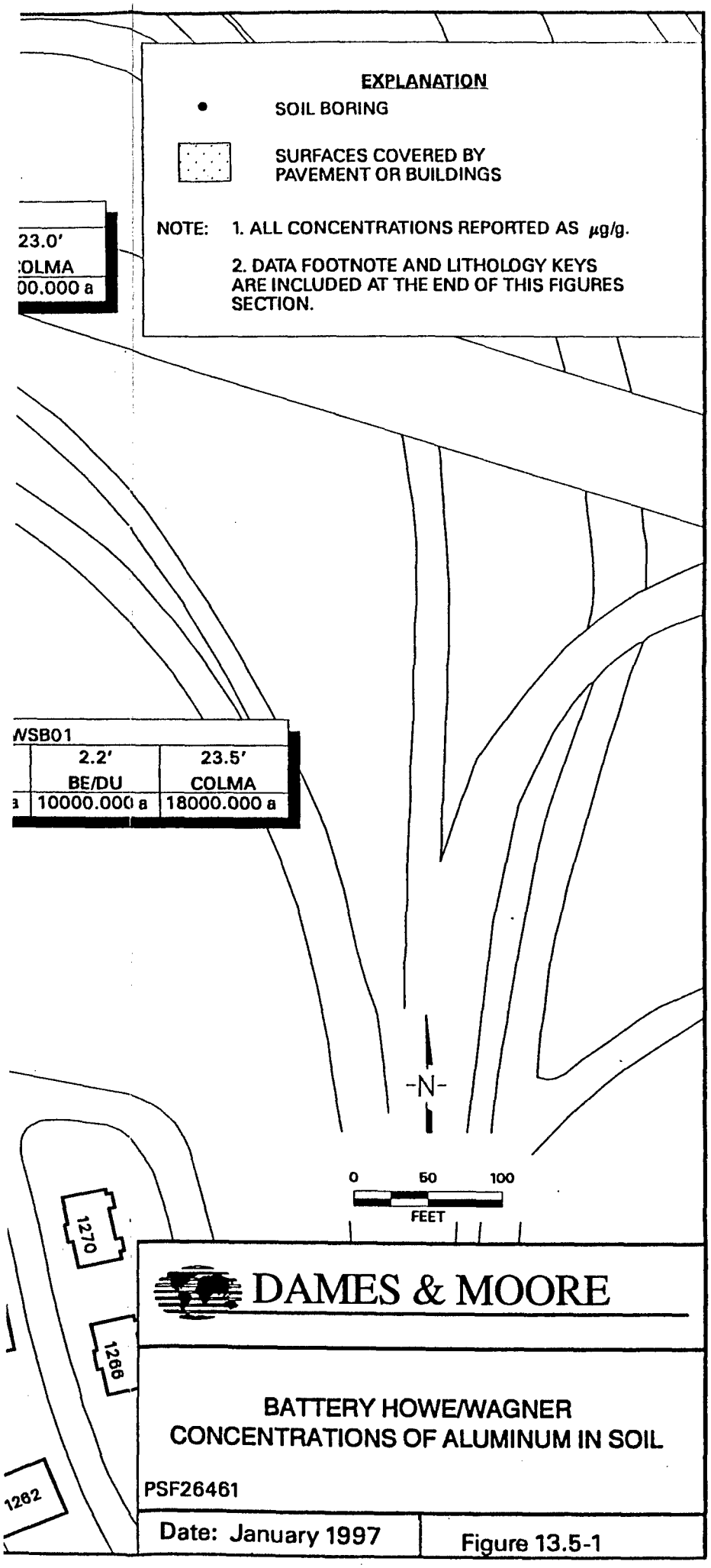


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


HWY 101
2
EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Aluminum | 10000.000 a | 14000.000 a | 26000.000 a
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Aluminum | 10000.000 a | 10000.000 a | 18000.000 a
1293
1291
1290
1289
1285
AVE
ROAD
HOWE/WAGNER
AVE
1276
1275
1274
1273
1272
1268
1270
1266
1265
APPLETON ST.
1246
1247
1248
1244
1243
1262
N
0
50
100
FEET
DAMES & MC
BATTERY HOWE/WAG
CONCENTRATIONS OF ALUMI
PSF26461
Date: January 1997
Figur



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26461

Date: January 1997

Figure 13.5-1

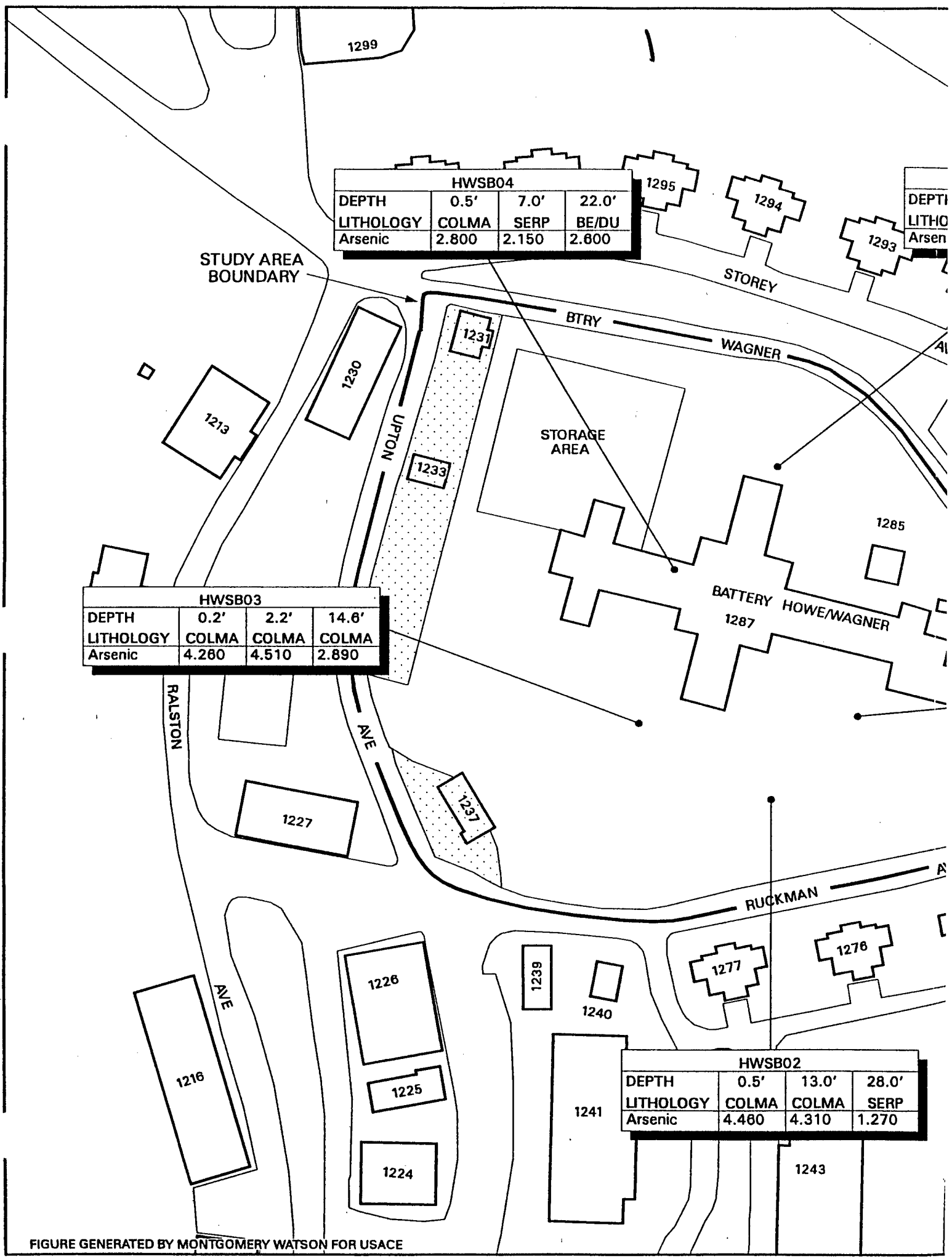
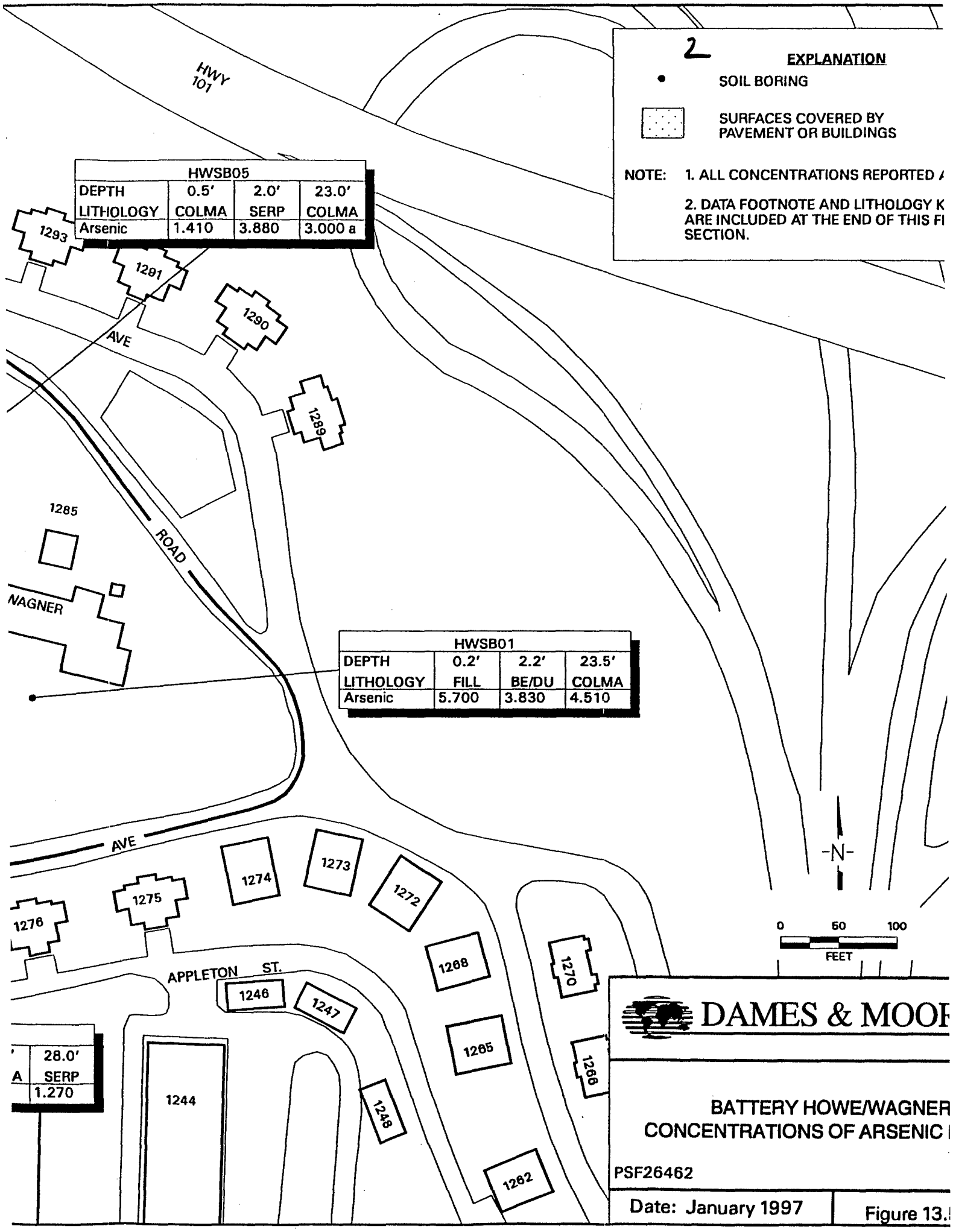
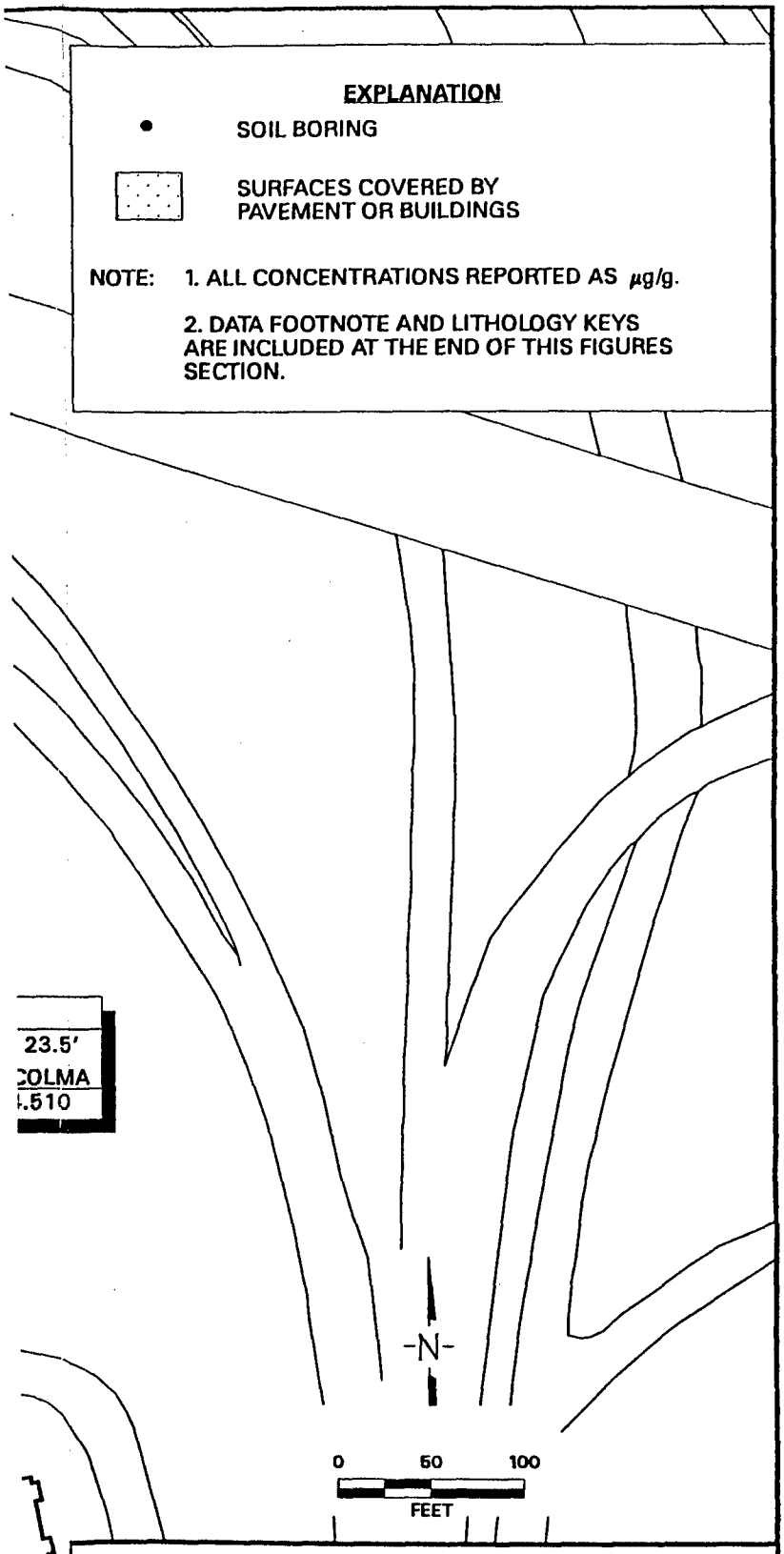


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTED /
2. DATA FOOTNOTE AND LITHOLOGY K ARE INCLUDED AT THE END OF THIS FI SECTION.
HWY 101
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Arsenic | 1.410 | 3.880 | 3.000 a
1293
1291
1290
1289
AVE
1285
ROAD
NAGNER
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Arsenic | 5.700 | 3.830 | 4.510
AVE
1276
1275
1274
1273
1272
1268
1270
APPLETON ST.
1246
1247
1244
1248
1265
1266
1262
28.0'
SERP
1.270
-N-
0 50 100
FEET
DAMES & MOOR
BATTERY HOWE/WAGNER
CONCENTRATIONS OF ARSENIC
PSF26462
Date: January 1997
Figure 13.

3



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26462

Date: January 1997

Figure 13.5-2

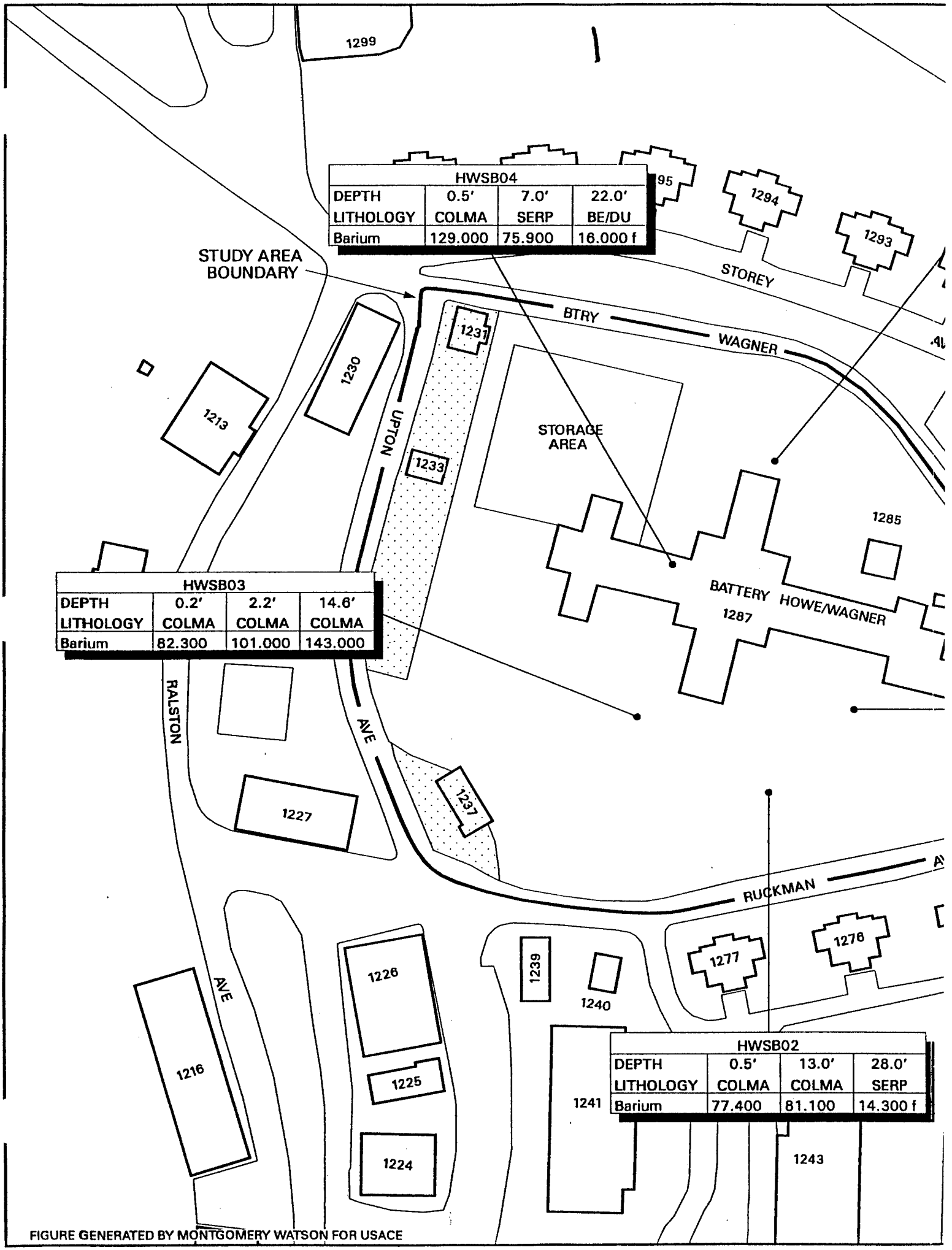
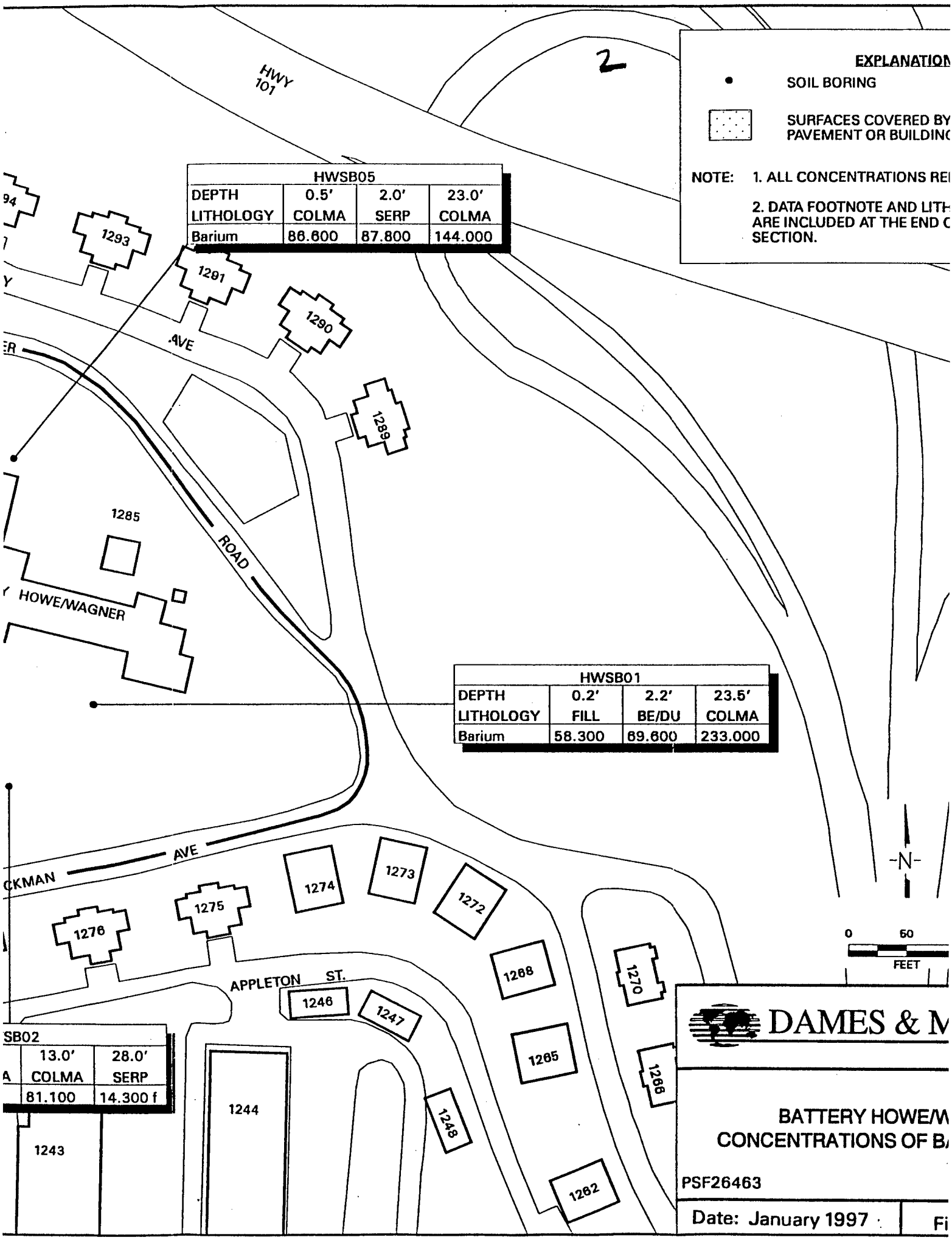


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDING
NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END C SECTION.
HWSB05
DEPTH / LITHOLOGY | 0.5' COLMA | 2.0' SERP | 23.0' COLMA
Barium | 86.600 | 87.800 | 144.000
HWSB01
DEPTH / LITHOLOGY | 0.2' FILL | 2.2' BE/DU | 23.5' COLMA
Barium | 58.300 | 69.600 | 233.000
SB02
13.0' COLMA | 28.0' SERP
81.100 | 14.300 f
HWY 101
AVE
ROAD
HOWE/WAGNER
APPLETON ST.
CKMAN AVE
1293
1291
1290
1289
1285
1276
1275
1274
1273
1272
1268
1270
1266
1265
1262
1248
1247
1246
1244
1243
-N-
0 60
FEET
DAMES & M
BATTERY HOWE/M
CONCENTRATIONS OF B
PSF26463
Date: January 1997

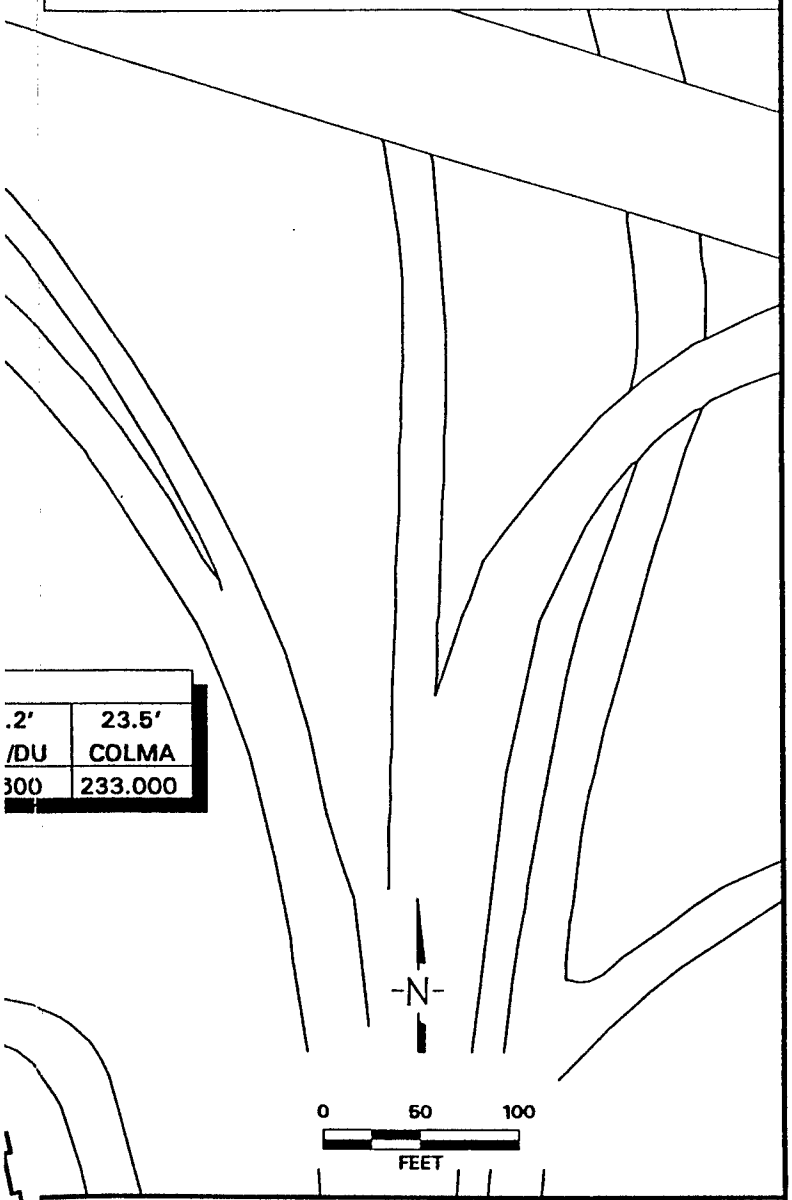
3

EXPLANATION

- SOIL BORING
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



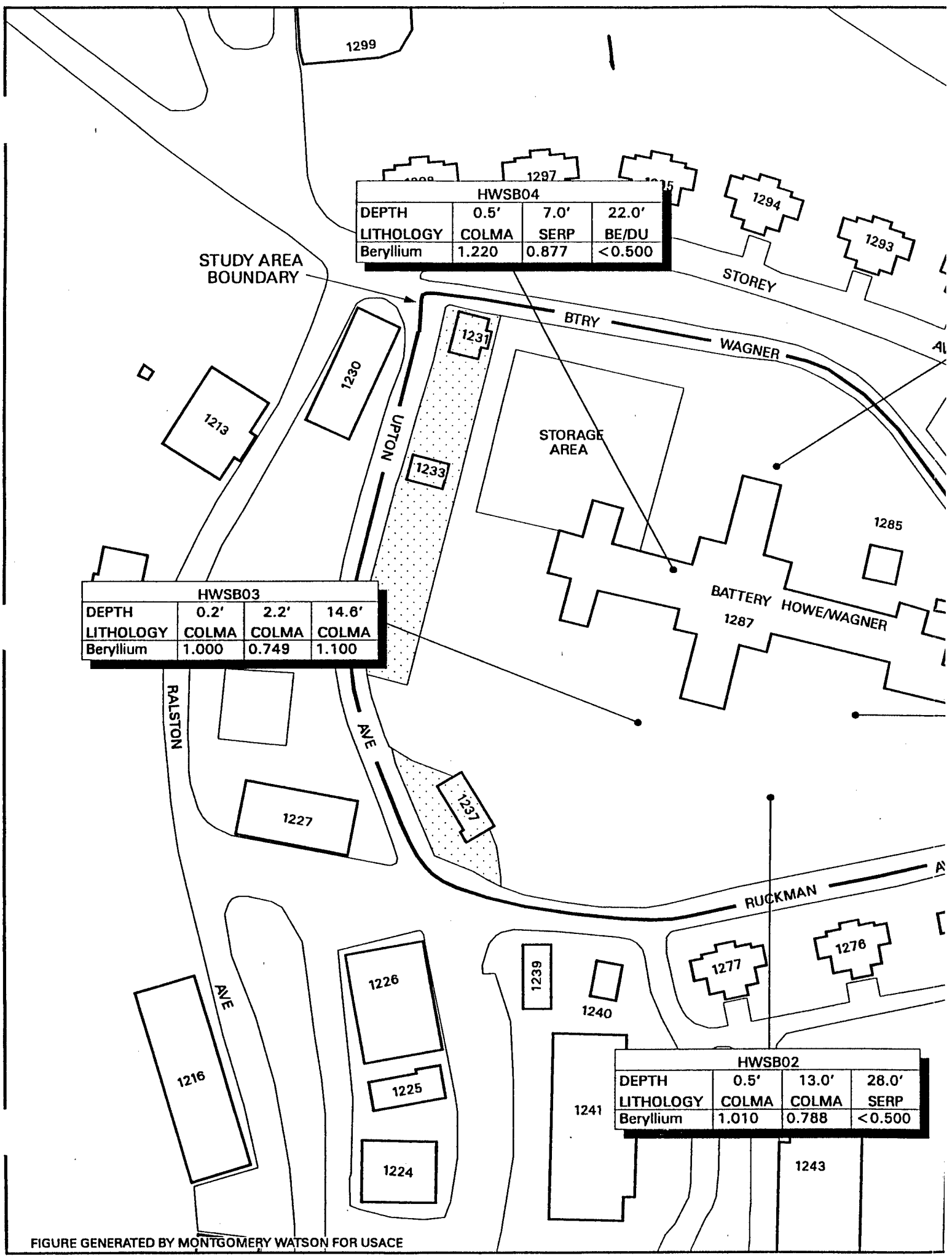
DAMES & MOORE

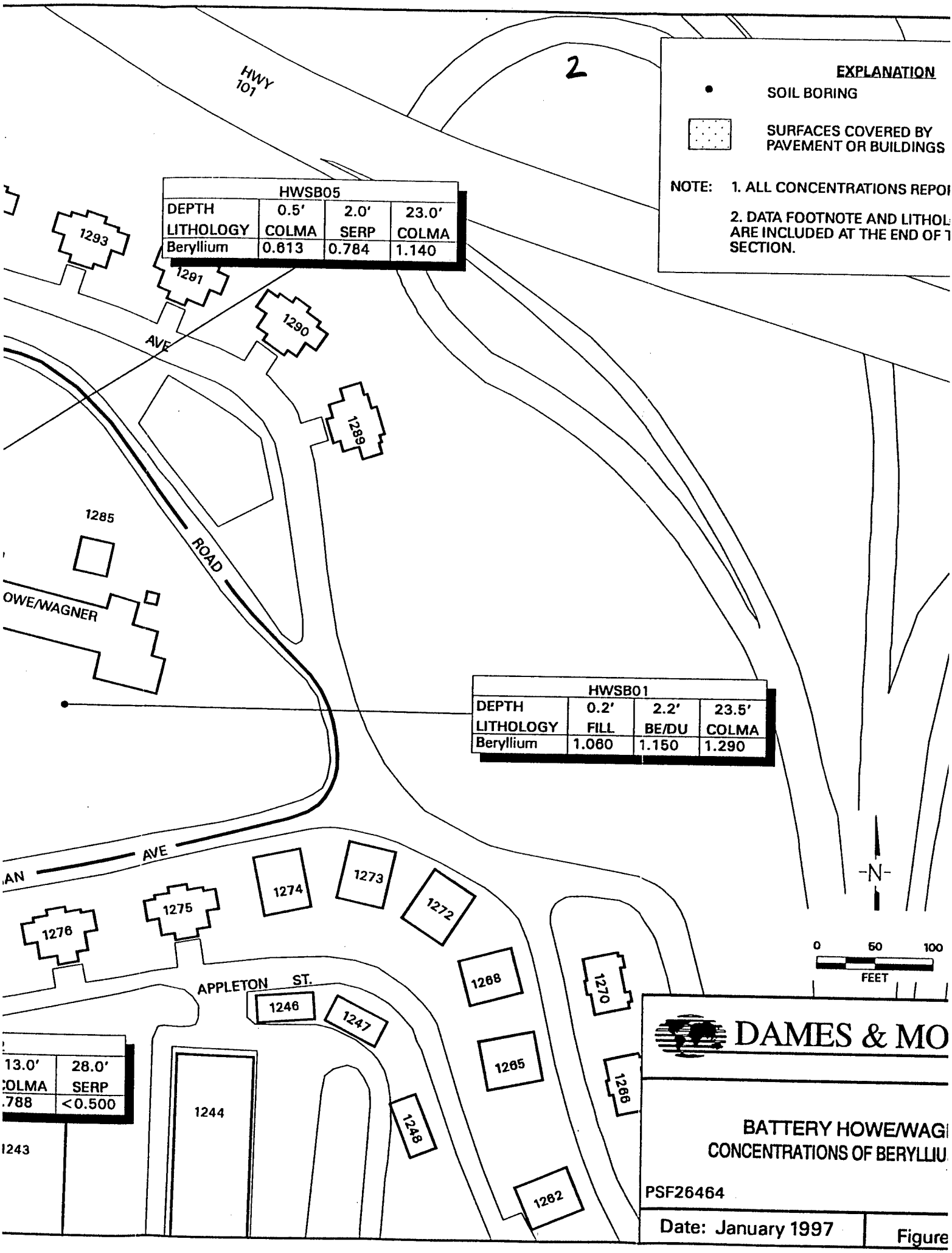
BATTERY HOWE/WAGNER
CONCENTRATIONS OF BARIUM IN SOIL

PSF26463

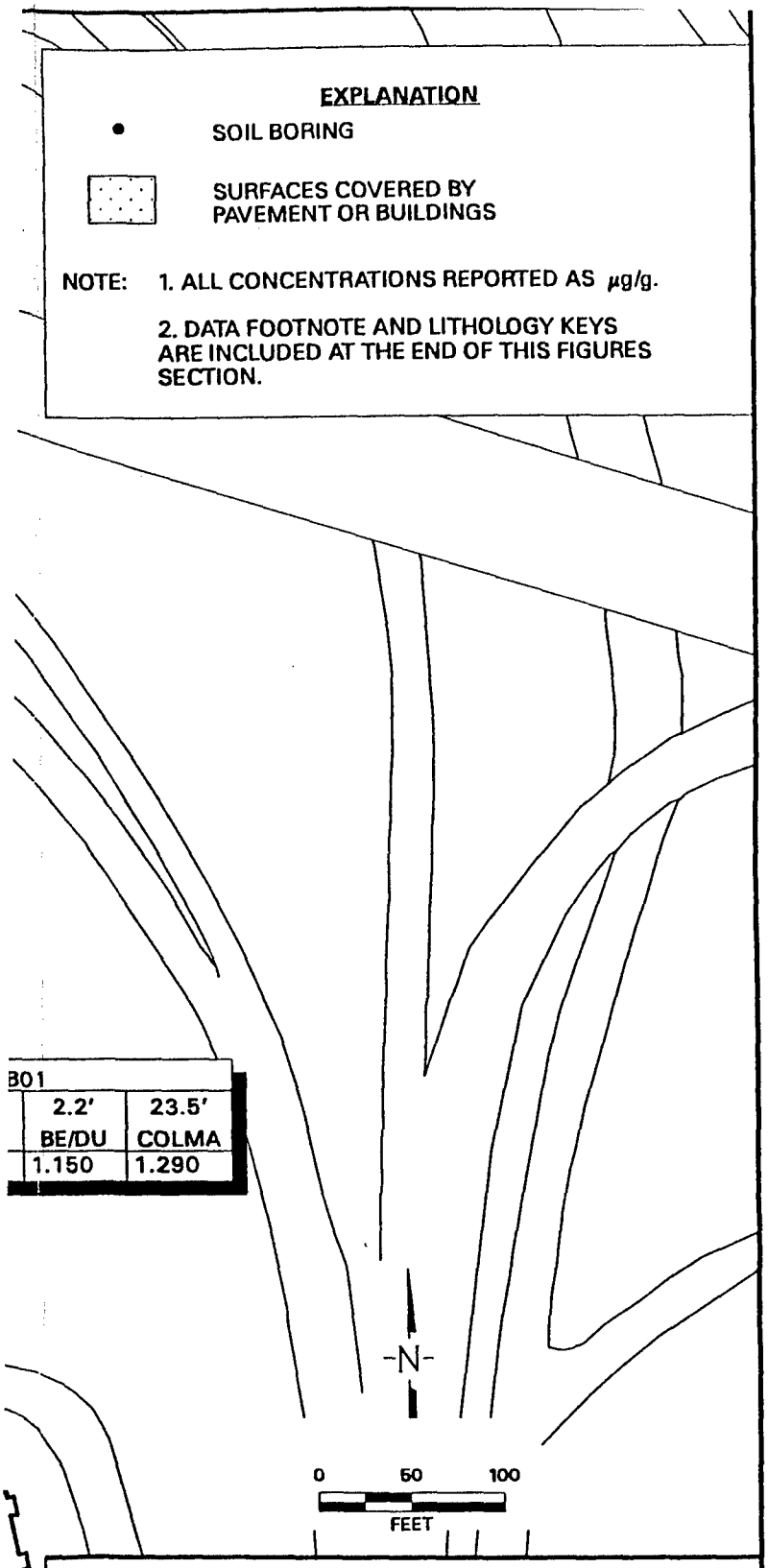
Date: January 1997

Figure 13.5-3


1299
1297
1294
1293
HWSB04
DEPTH | 0.5' | 7.0' | 22.0'
LITHOLOGY | COLMA | SERP | BE/DU
Beryllium | 1.220 | 0.877 | <0.500
STUDY AREA BOUNDARY
STOREY
BTRY
WAGNER
1231
1230
1213
UPTON
1233
STORAGE AREA
1285
HWSB03
DEPTH | 0.2' | 2.2' | 14.6'
LITHOLOGY | COLMA | COLMA | COLMA
Beryllium | 1.000 | 0.749 | 1.100
BATTERY HOWE/WAGNER
1287
RALSTON
AVE
1227
1237
RUCKMAN
1239
1240
1277
1276
1226
1225
1224
1216
1241
1243
HWSB02
DEPTH | 0.5' | 13.0' | 28.0'
LITHOLOGY | COLMA | COLMA | SERP
Beryllium | 1.010 | 0.788 | <0.500
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPOI
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF T SECTION.
HWY 101
2
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Beryllium | 0.613 | 0.784 | 1.140
1293
1291
1290
1289
AVE
1285
ROAD
OWE/WAGNER
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Beryllium | 1.060 | 1.150 | 1.290
AN AVE
1276
1275
1274
1273
1272
APPLETON ST.
1246
1247
1244
1243
1248
1268
1265
1270
1266
1262
13.0' | 28.0'
COLMA | SERP
.788 | <0.500
-N-
0 50 100
FEET
DAMES & MO
BATTERY HOWE/WAGI
CONCENTRATIONS OF BERYLLIU
PSF26464
Date: January 1997
Figure

3



DAMES & MOORE

1266

BATTERY HOWE/WAGNER
CONCENTRATIONS OF BERYLLIUM IN SOIL

PSF26464

Date: January 1997

Figure 13.5-4

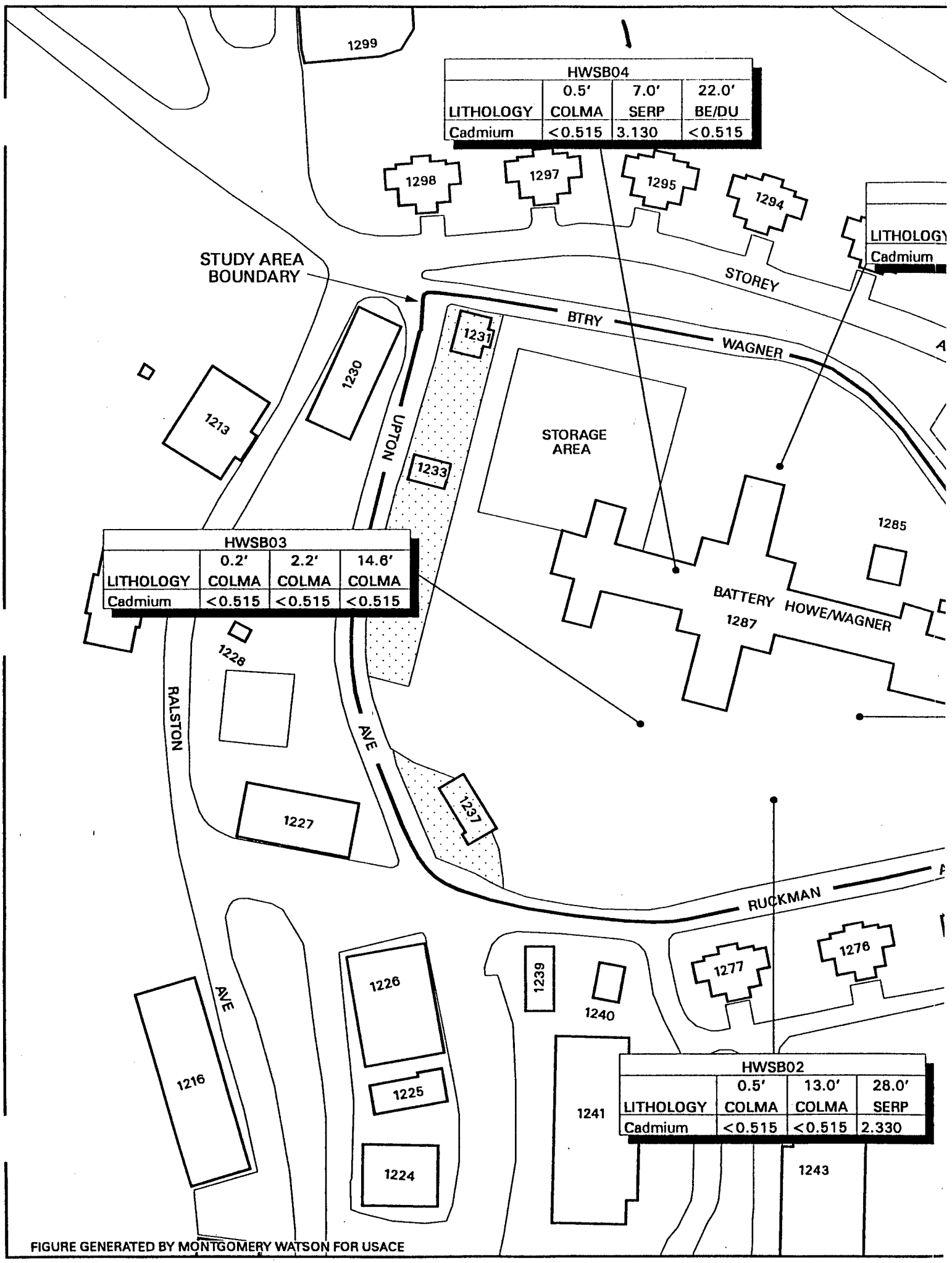
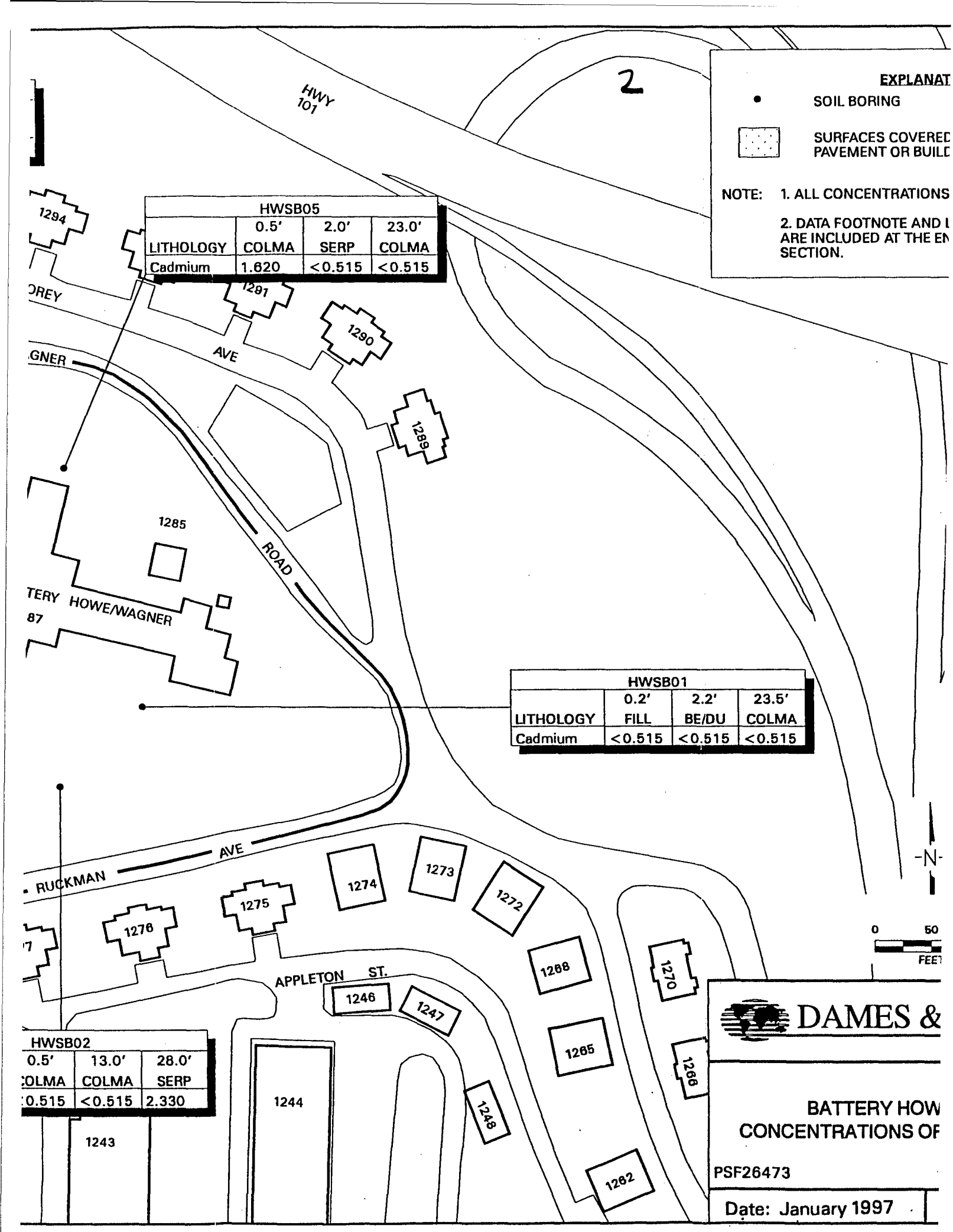
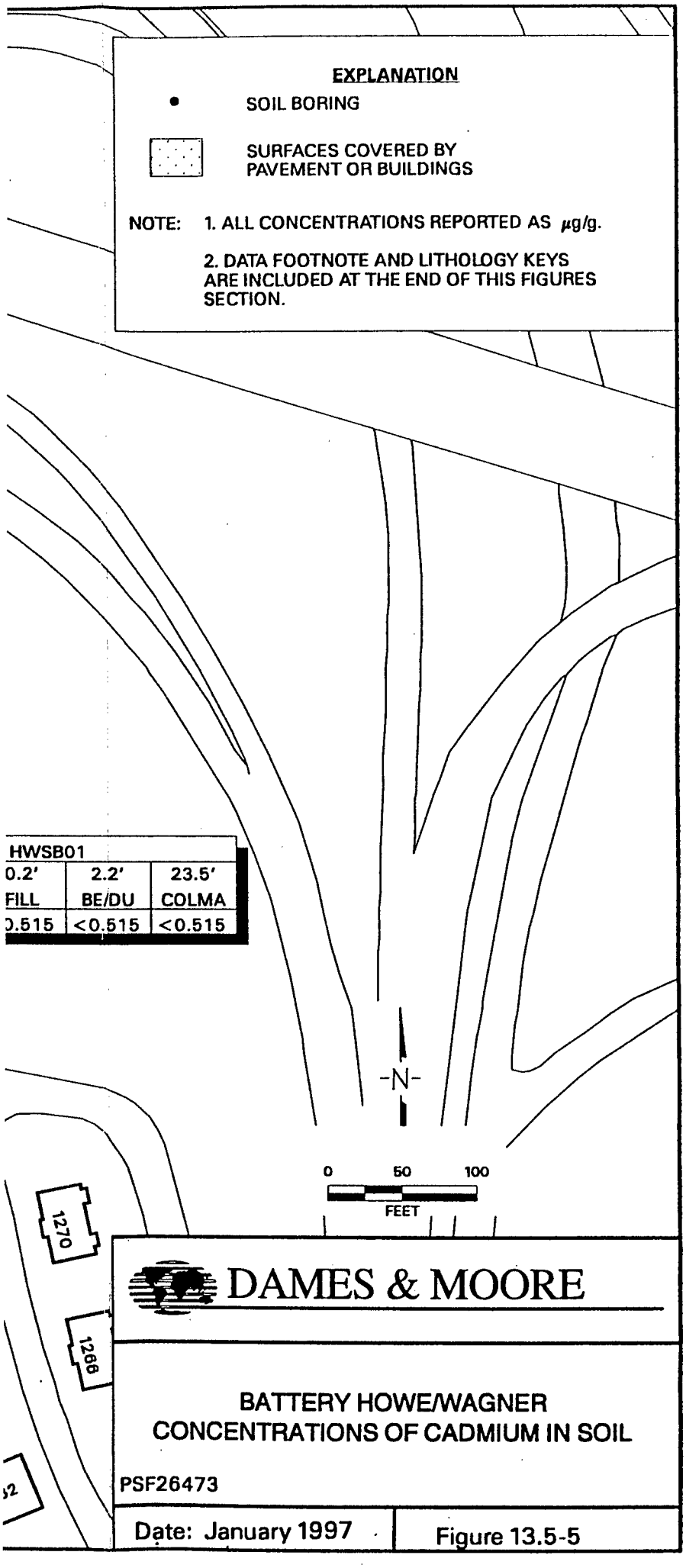


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05 Sep 96 08:42:07 Thursday


EXPLANAT
SOIL BORING
SURFACES COVERED
PAVEMENT OR BUILD
NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND I
ARE INCLUDED AT THE EN
SECTION.
HWY 101
2
HWSB05
LITHOLOGY | 0.5' COLMA | 2.0' SERP | 23.0' COLMA
Cadmium | 1.620 | <0.515 | <0.515
HWSB01
LITHOLOGY | 0.2' FILL | 2.2' BE/DU | 23.5' COLMA
Cadmium | <0.515 | <0.515 | <0.515
HWSB02
0.5' COLMA | 13.0' COLMA | 28.0' SERP
0.515 | <0.515 | 2.330
1294
1291
1290
1289
1285
1276
1275
1274
1273
1272
1268
1270
1246
1247
1265
1266
1244
1248
1243
1282
AVE
ROAD
APPLETON ST.
RUCKMAN AVE
HOWE/WAGNER
-N-
0
50
FEET
DAMES &
BATTERY HOW
CONCENTRATIONS OF
PSF26473
Date: January 1997



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26473

Date: January 1997

Figure 13.5-5

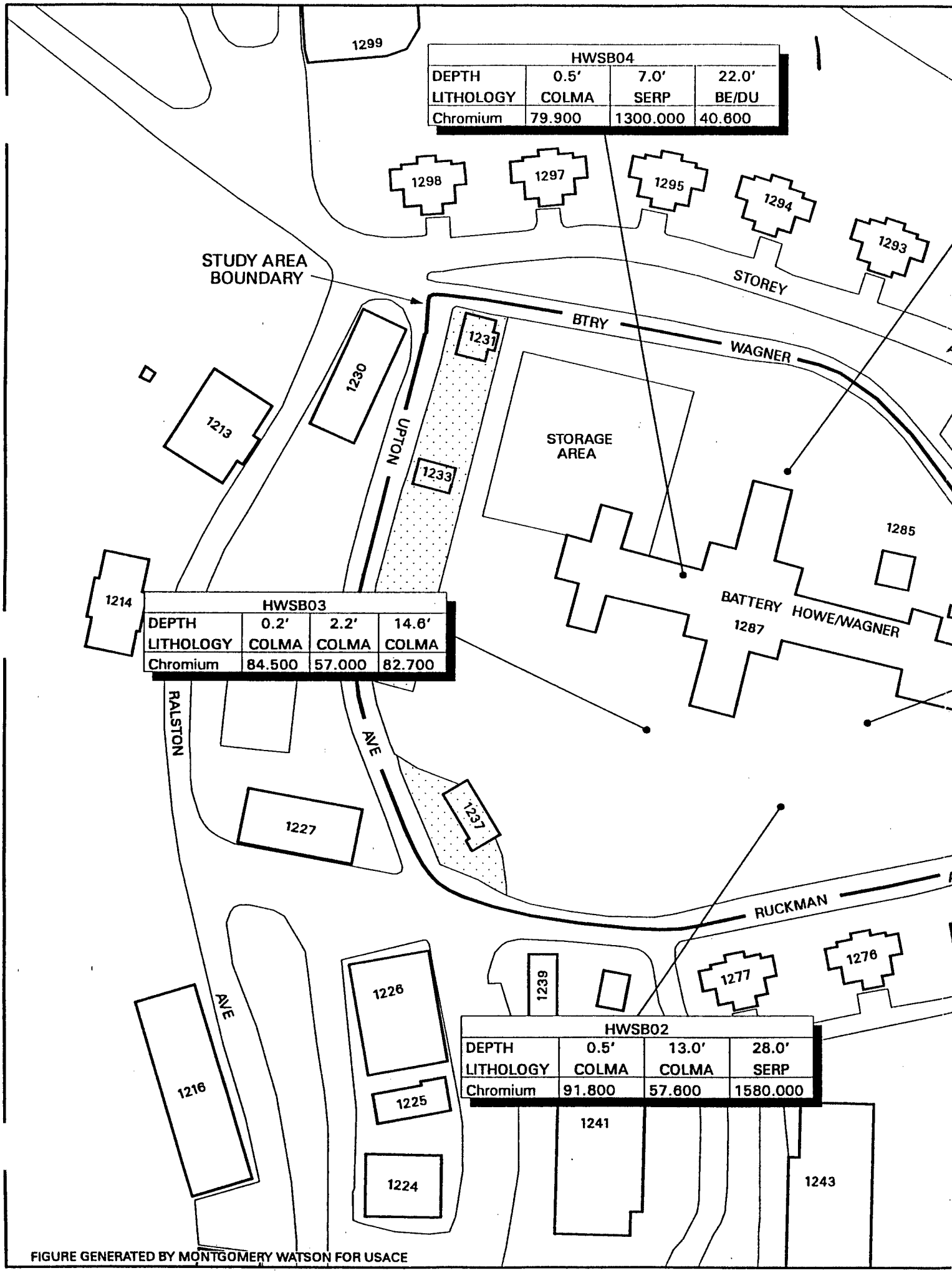
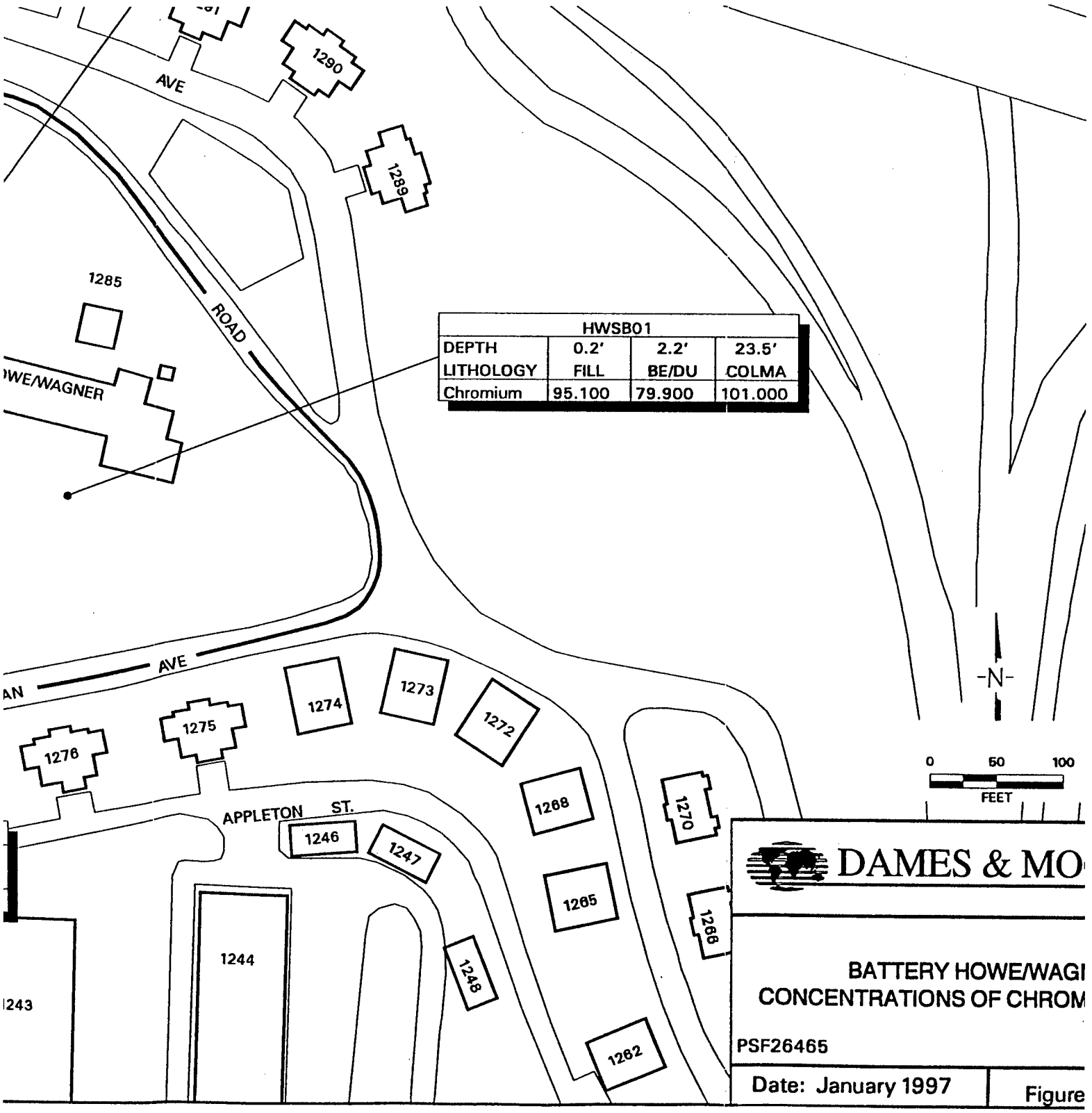


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

06 Sep 96 07:43:01 Friday, b:
*_v3.aml, plotfile base_BHW_5_7.grn, PSF



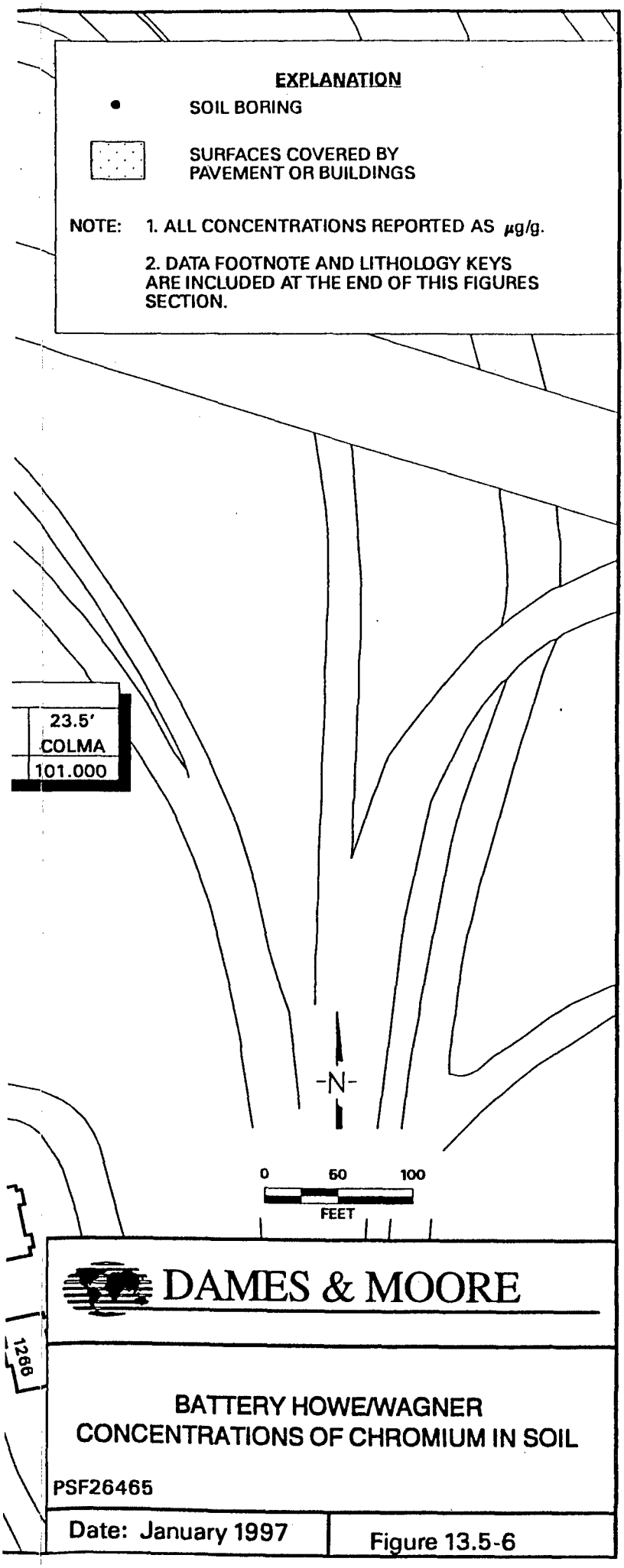
DAMES & MO

BATTERY HOWE/WAGI
CONCENTRATIONS OF CHROM

PSF26465

Date: January 1997

Figure


EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
23.5'
COLMA
101.000
-N-
0
60
100
FEET
DAMES & MOORE
1268
BATTERY HOWE/WAGNER
CONCENTRATIONS OF CHROMIUM IN SOIL
PSF26465
Date: January 1997
Figure 13.5-6

3

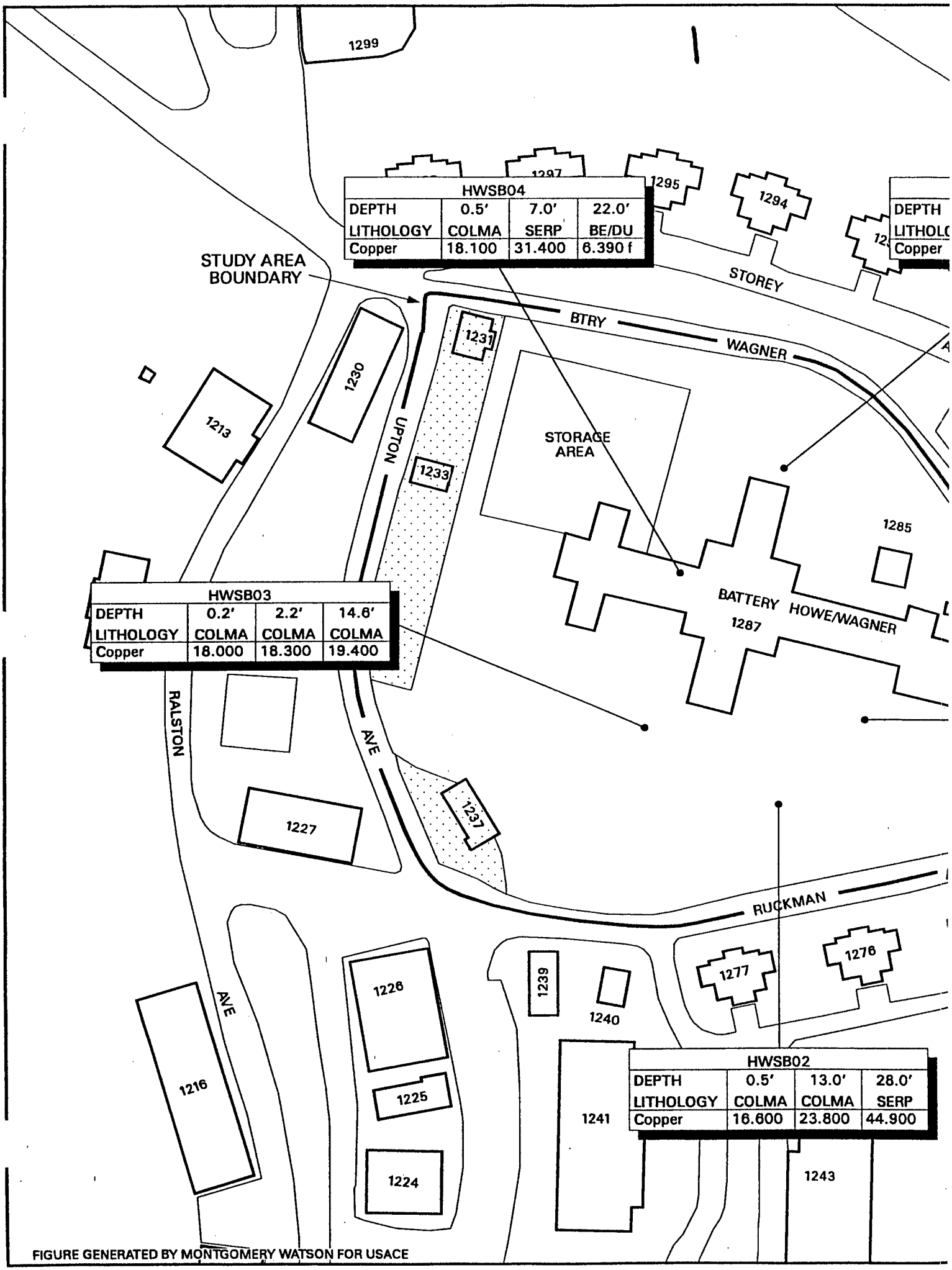
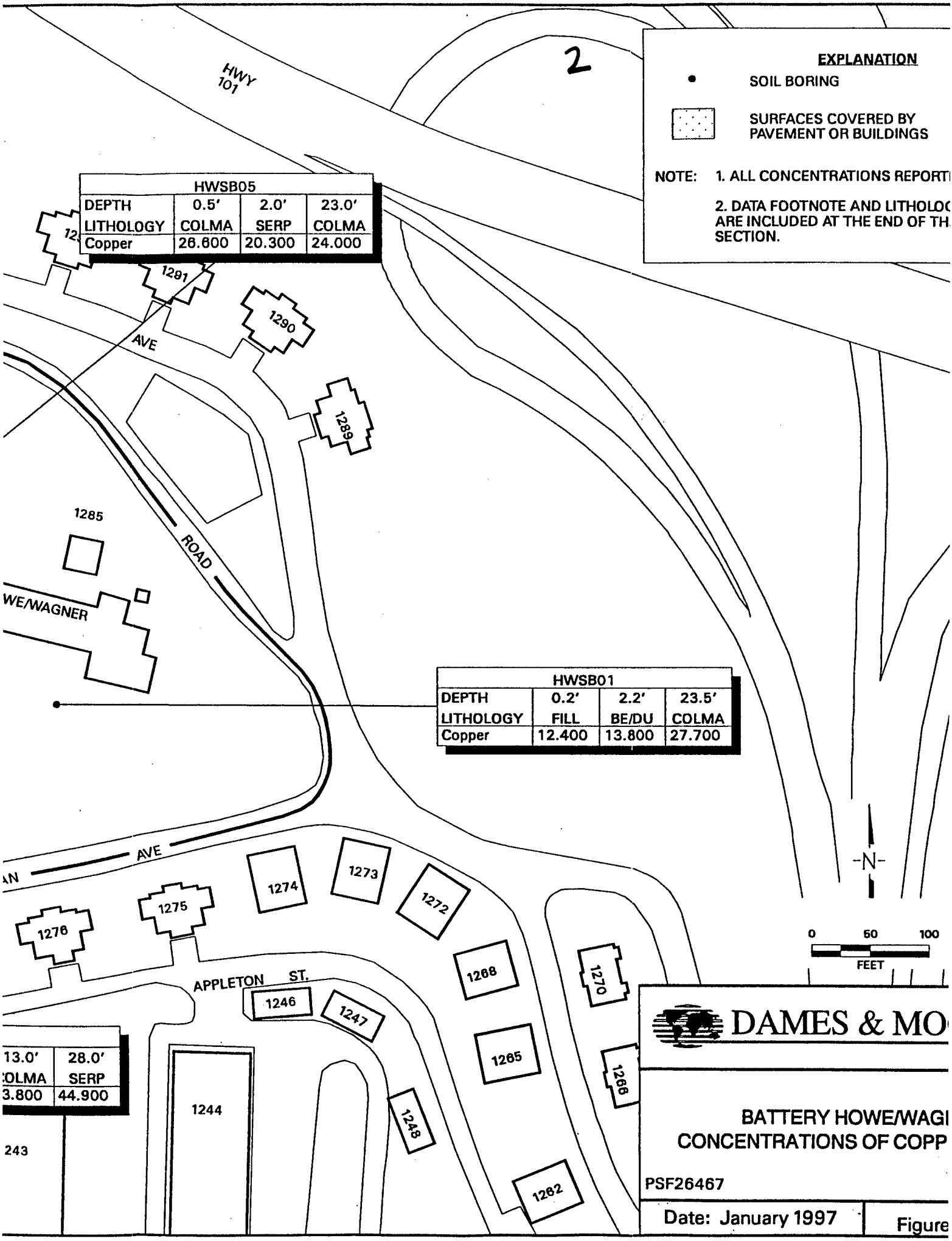
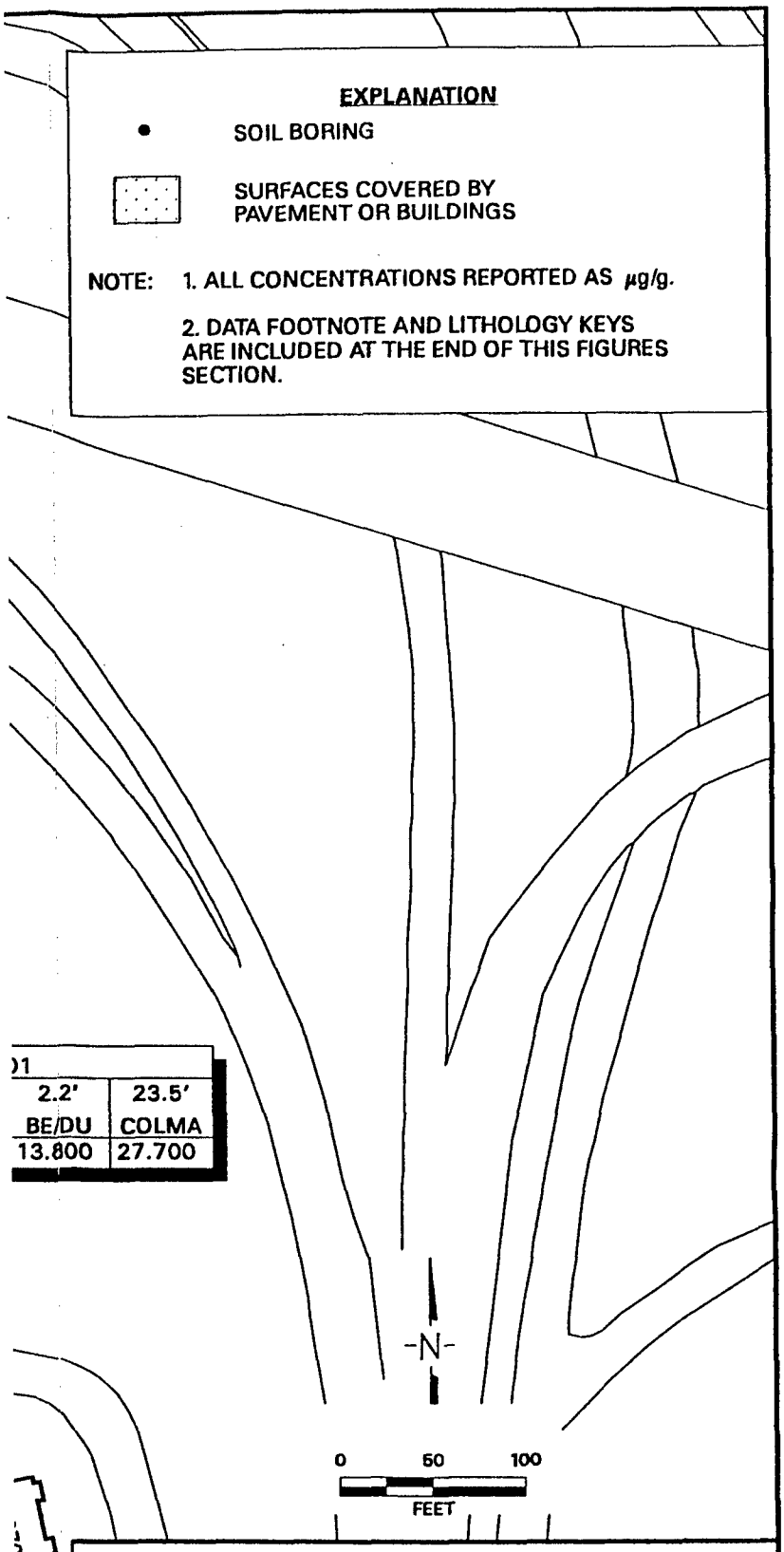


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05-Sep-96 12:33:05 Thursday
17_v3.amt, pltdfile base_BHW_5_9.grn, PSF


EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTI
2. DATA FOOTNOTE AND LITHOLOC ARE INCLUDED AT THE END OF TH SECTION.
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Copper | 26.600 | 20.300 | 24.000
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Copper | 12.400 | 13.800 | 27.700
13.0' | 28.0'
OLMA | SERP
3.800 | 44.900
HWY 101
AVE
ROAD
WE/WAGNER
APPLETON ST.
1281
1290
1289
1285
1276
1275
1274
1273
1272
1268
1270
1246
1247
1265
1266
1244
1248
1262
243
N
0 50 100
FEET
DAMES & MO
BATTERY HOWE/WAGI
CONCENTRATIONS OF COPP
PSF26467
Date: January 1997
Figure



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF COPPER IN SOIL

PSF26467

Date: January 1997

Figure 13.5-7

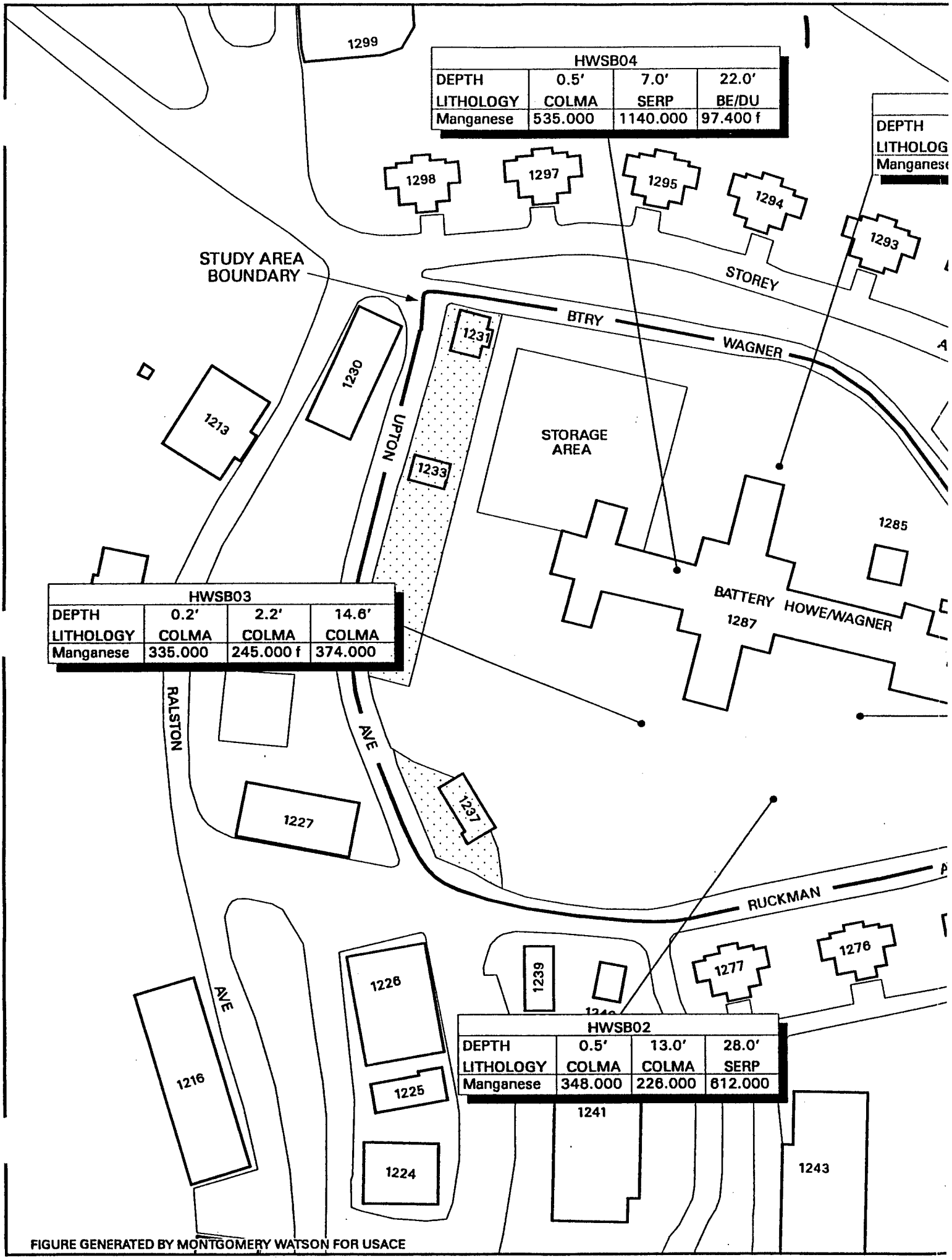
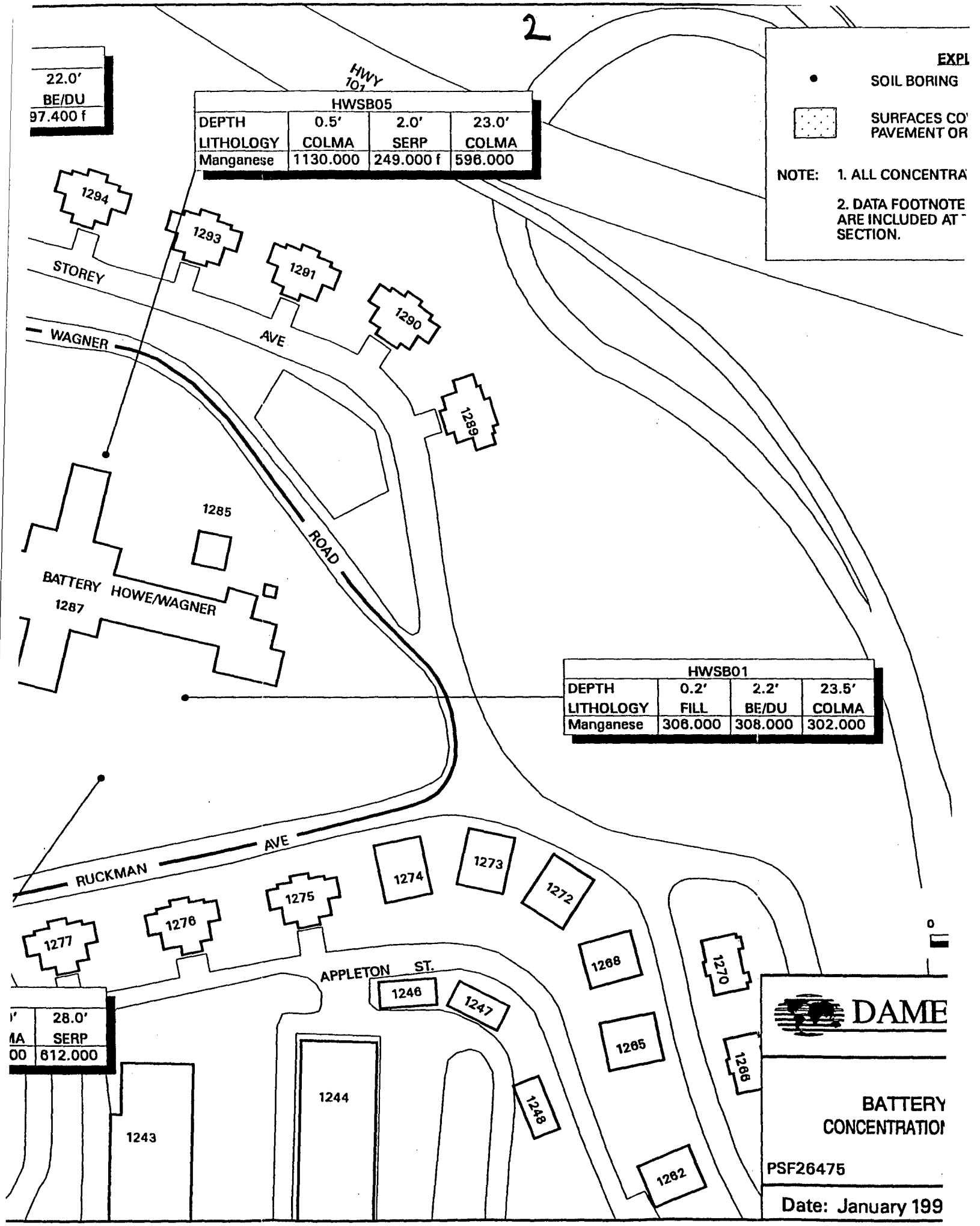
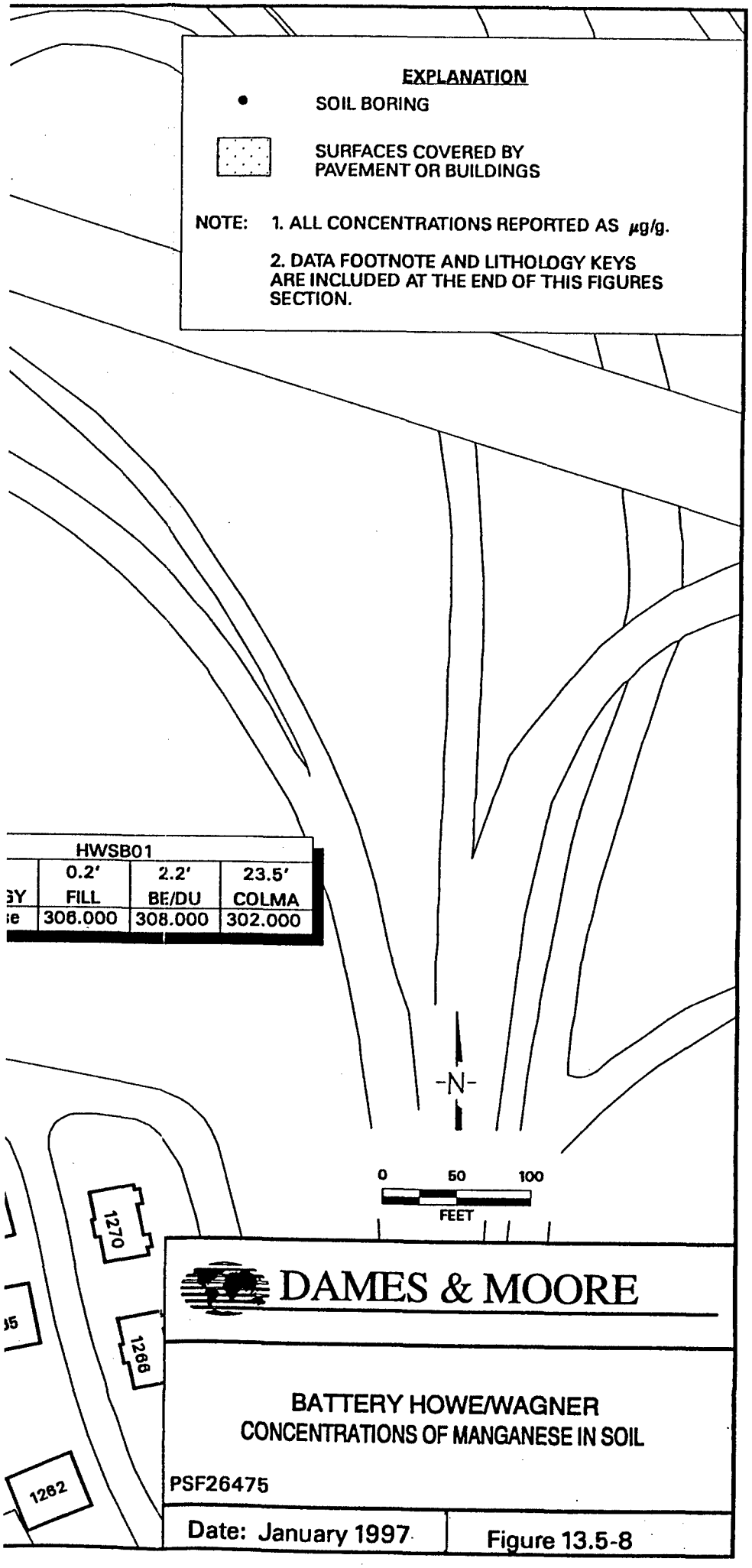


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
22.0'
BE/DU
97.400 f
HWY 101
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Manganese | 1130.000 | 249.000 f | 596.000
EXPL
SOIL BORING
SURFACES CO
PAVEMENT OR
NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE
ARE INCLUDED AT
SECTION.
1294
1293
1291
1290
1289
STOREY
AVE
WAGNER
1285
ROAD
BATTERY HOWE/WAGNER
1287
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Manganese | 306.000 | 308.000 | 302.000
RUCKMAN
AVE
1277
1276
1275
1274
1273
1272
1268
1270
APPLETON ST.
1246
1247
1265
1286
1248
1244
1243
1262
28.0'
SERP
612.000
DAME
BATTERY
CONCENTRATIO
PSF26475
Date: January 199



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26475

Date: January 1997

Figure 13.5-8

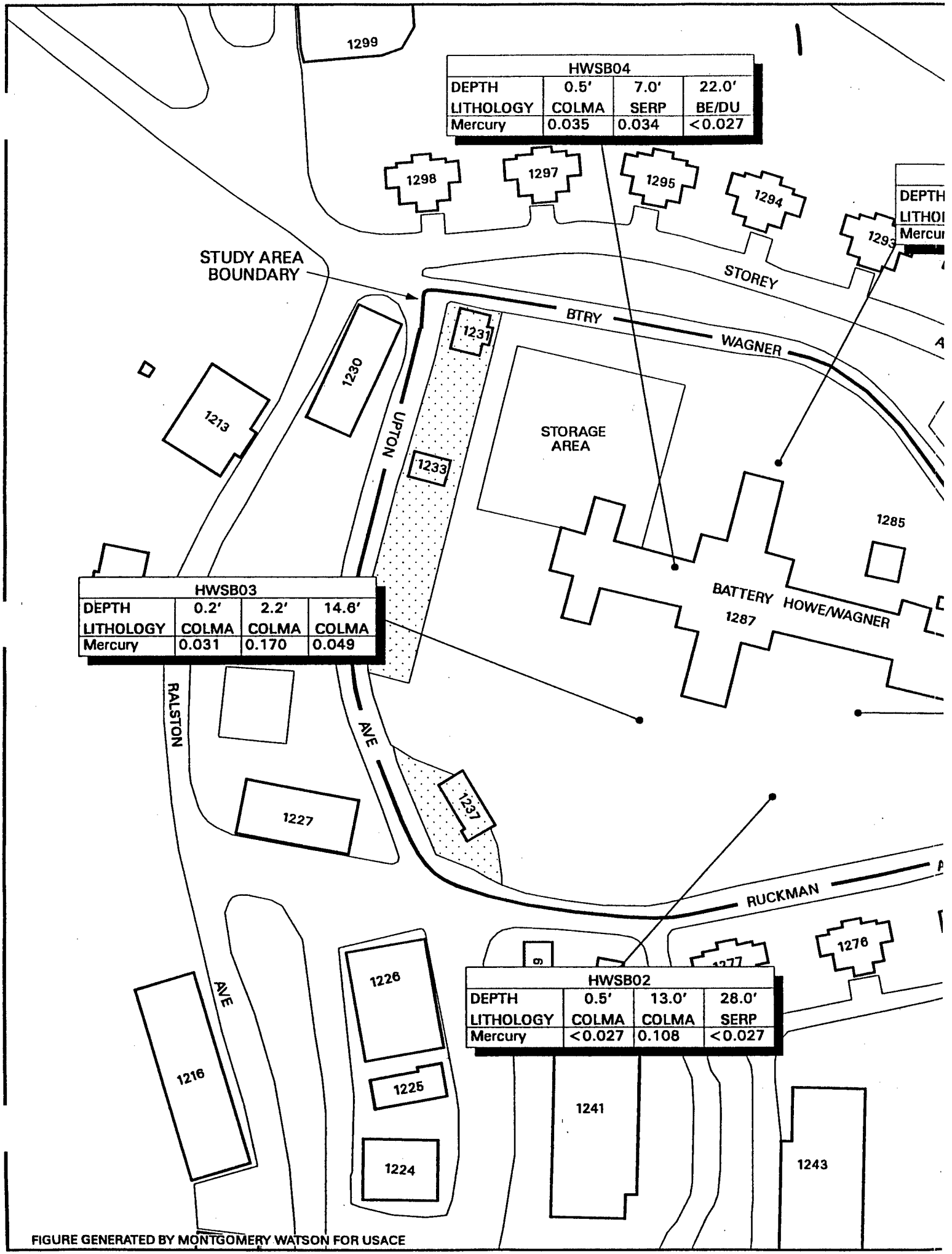
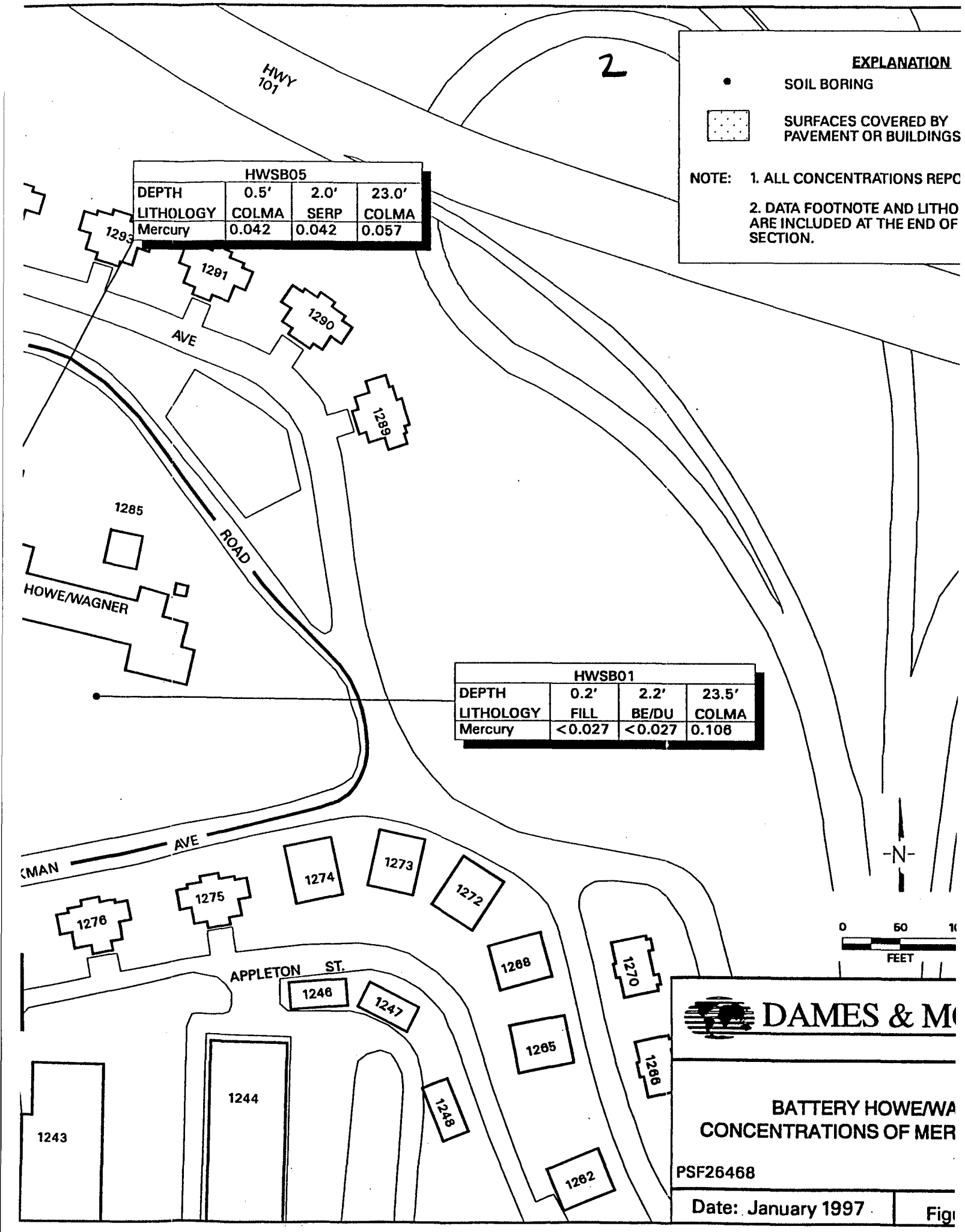
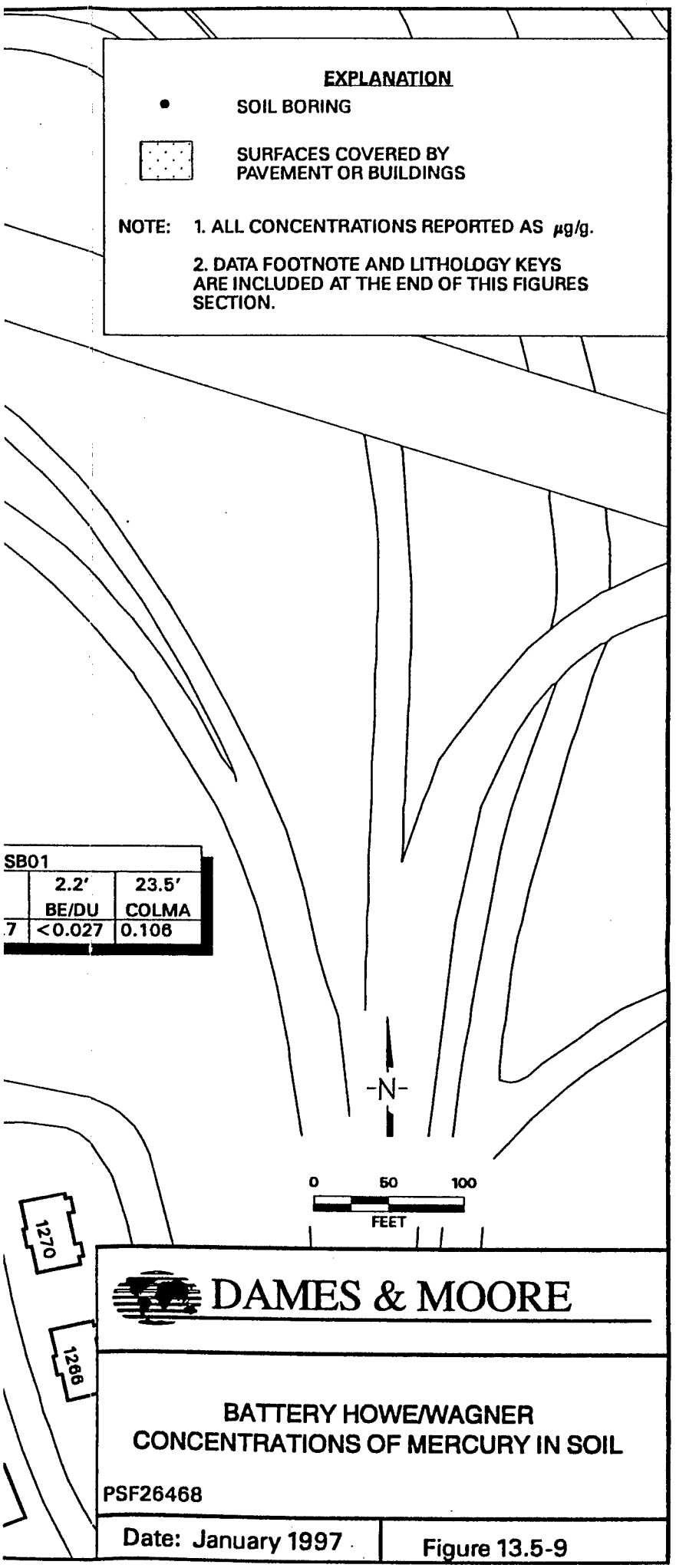


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05 Sep 96 08:50:18 Thursday, '17_v3.smf, pltdflt base_BHW_S_15.grn, PSF


EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPC
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Mercury | 0.042 | 0.042 | 0.057
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Mercury | <0.027 | <0.027 | 0.106
HWY 101
AVE
ROAD
HOWE/WAGNER
APPLETON ST.
1293
1291
1290
1289
1285
1276
1275
1274
1273
1272
1268
1270
1266
1265
1248
1247
1246
1244
1243
1262
N
0
50
FEET
DAMES & M
BATTERY HOWE/WA
CONCENTRATIONS OF MER
PSF26468
Date: January 1997
Figu

3



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF MERCURY IN SOIL

PSF26468

Date: January 1997

Figure 13.5-9

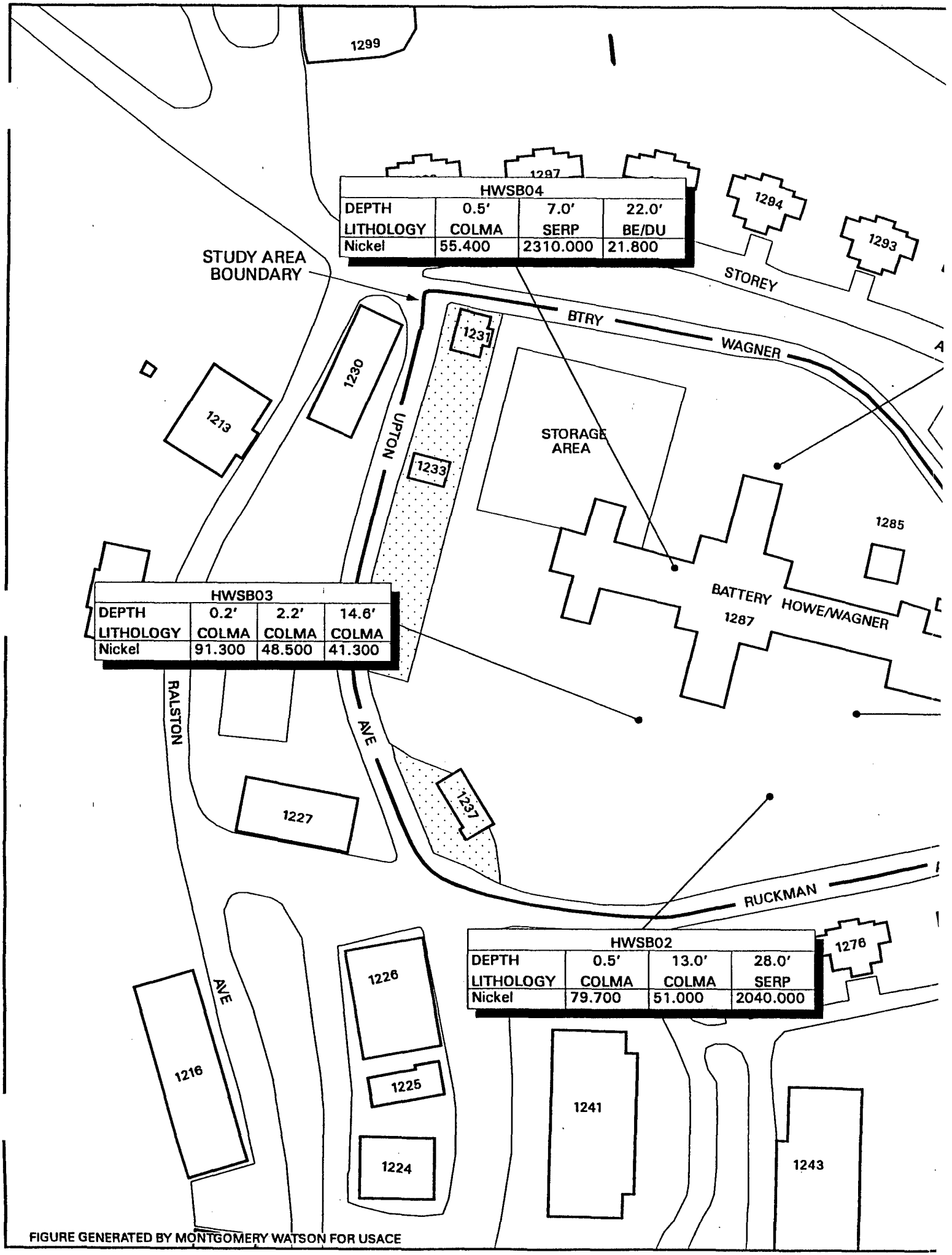
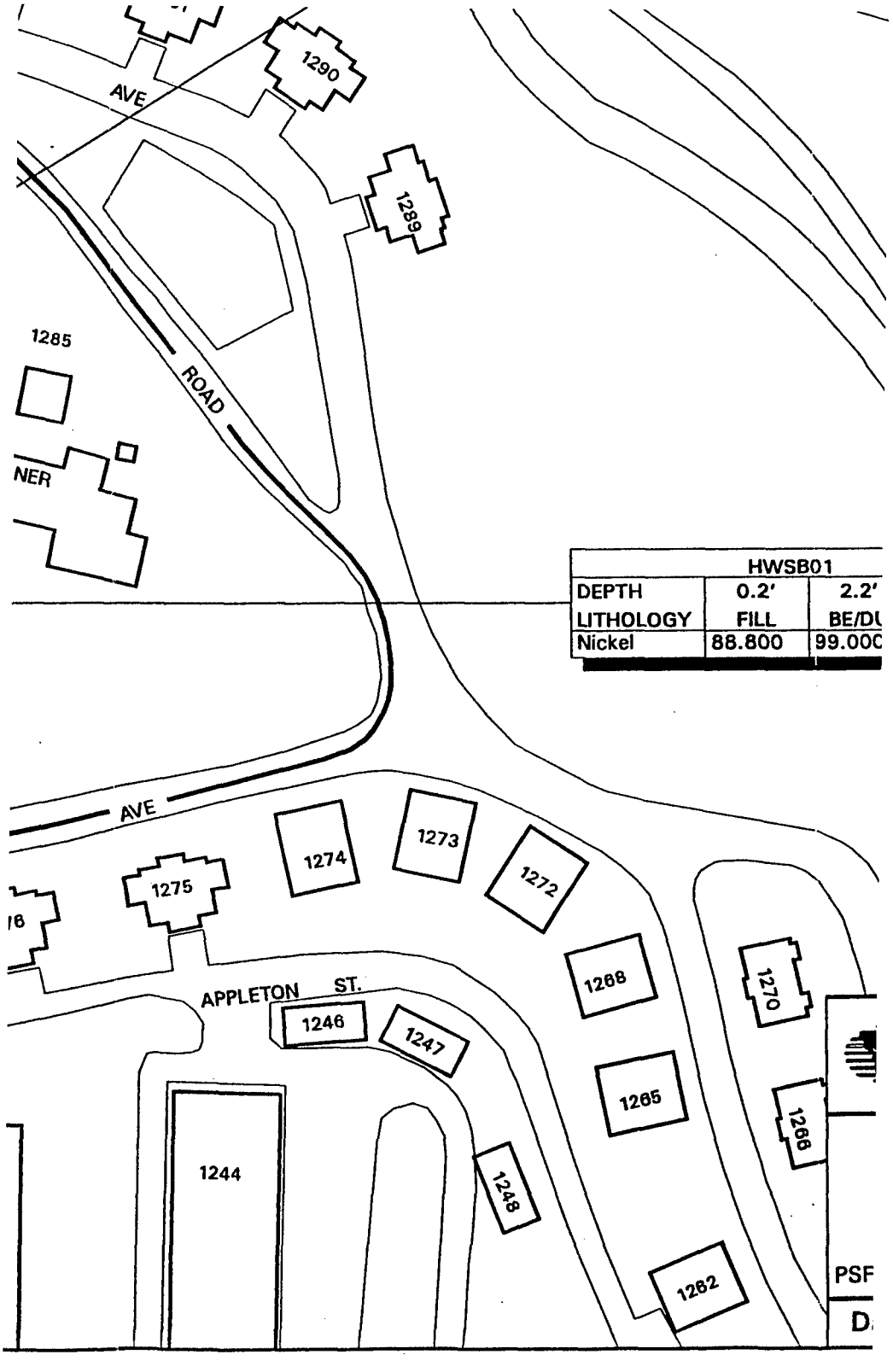
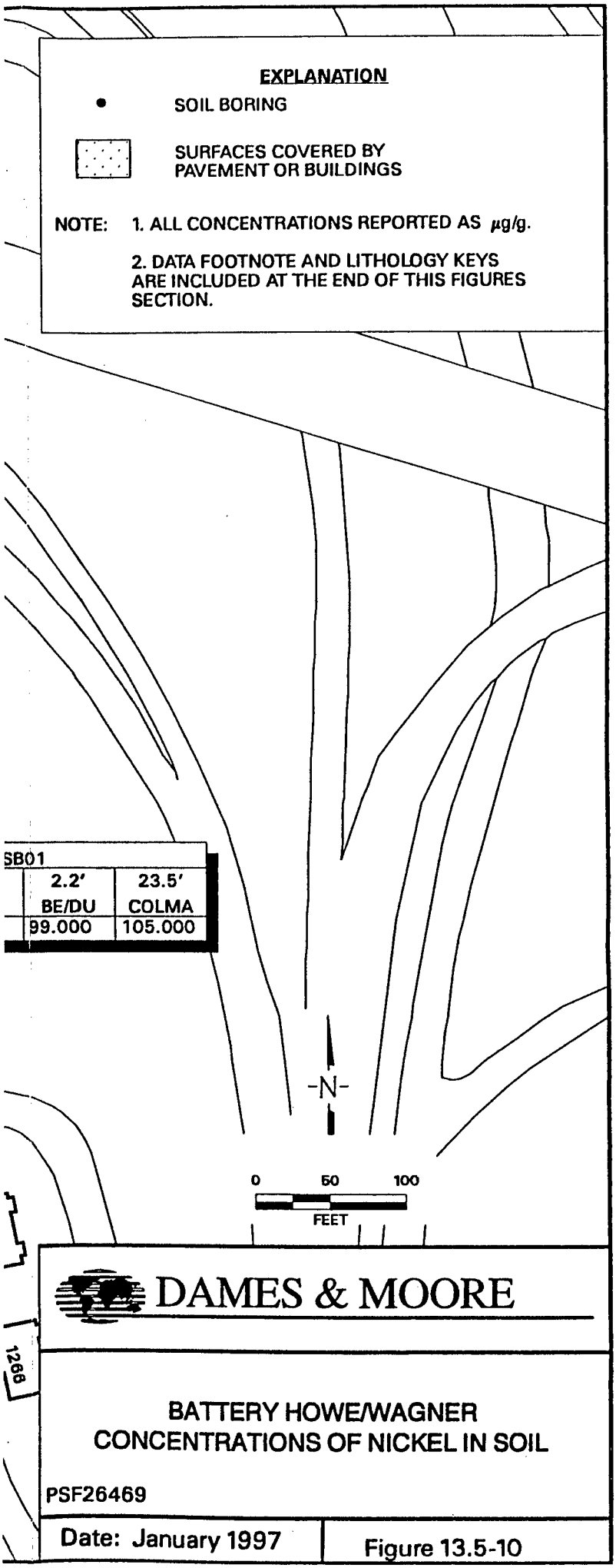


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05 Sep 96 12:34:22 Thursday, b:
*_v3.aml, pktdfile here_BHW_S_16.grn, PSF


1290
AVE
1289
1285
ROAD
NER
HWSB01
DEPTH
0.2'
2.2'
LITHOLOGY
FILL
BE/DU
Nickel
88.800
99.000
AVE
1275
1274
1273
1272
APPLETON ST.
1246
1247
1244
1248
1268
1265
1270
1266
1262
PSF

3


EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
SB01
2.2' BE/DU 99.000
23.5' COLMA 105.000
-N-
0 50 100
FEET
1268
DAMES & MOORE
BATTERY HOWE/WAGNER
CONCENTRATIONS OF NICKEL IN SOIL
PSF26469
Date: January 1997
Figure 13.5-10

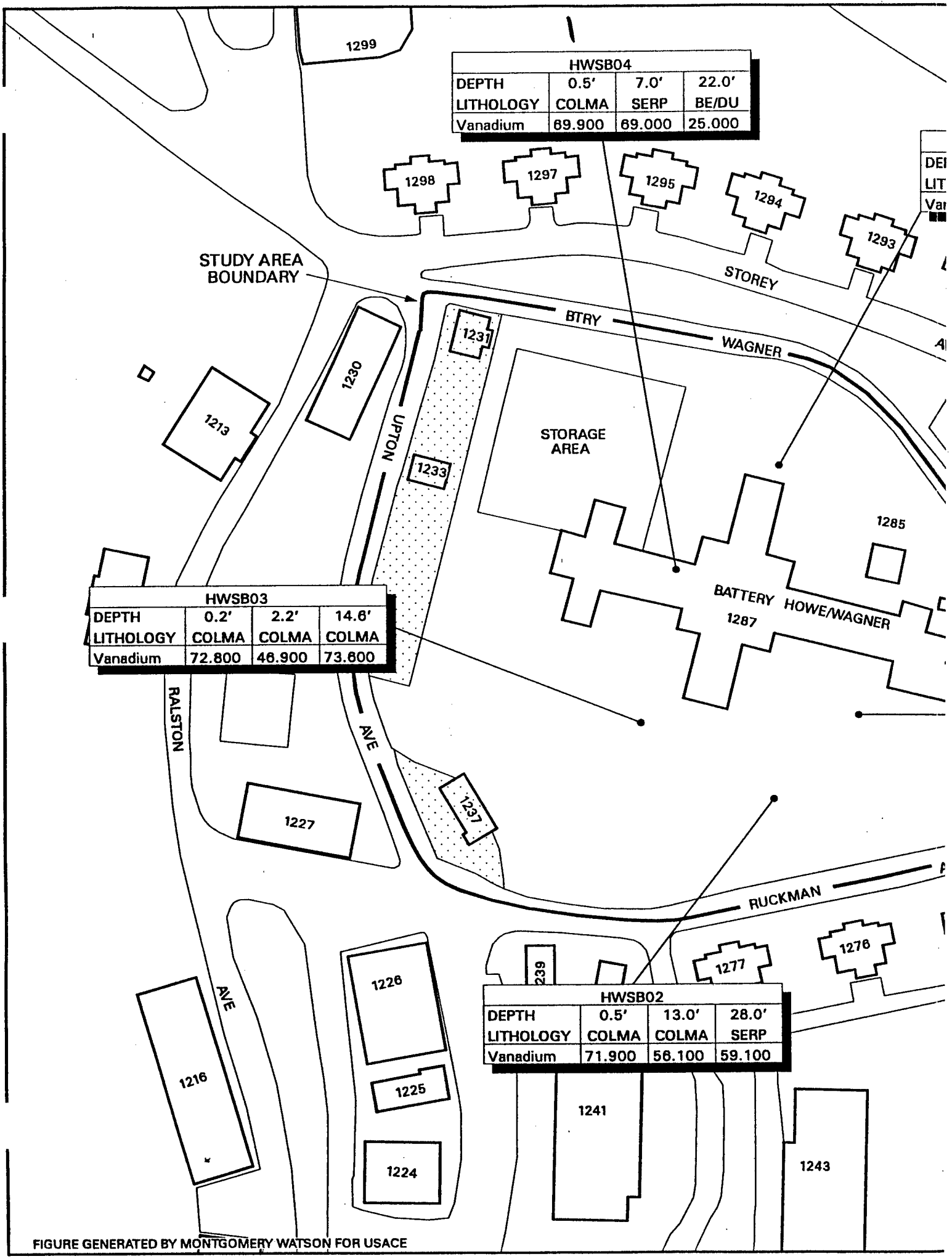
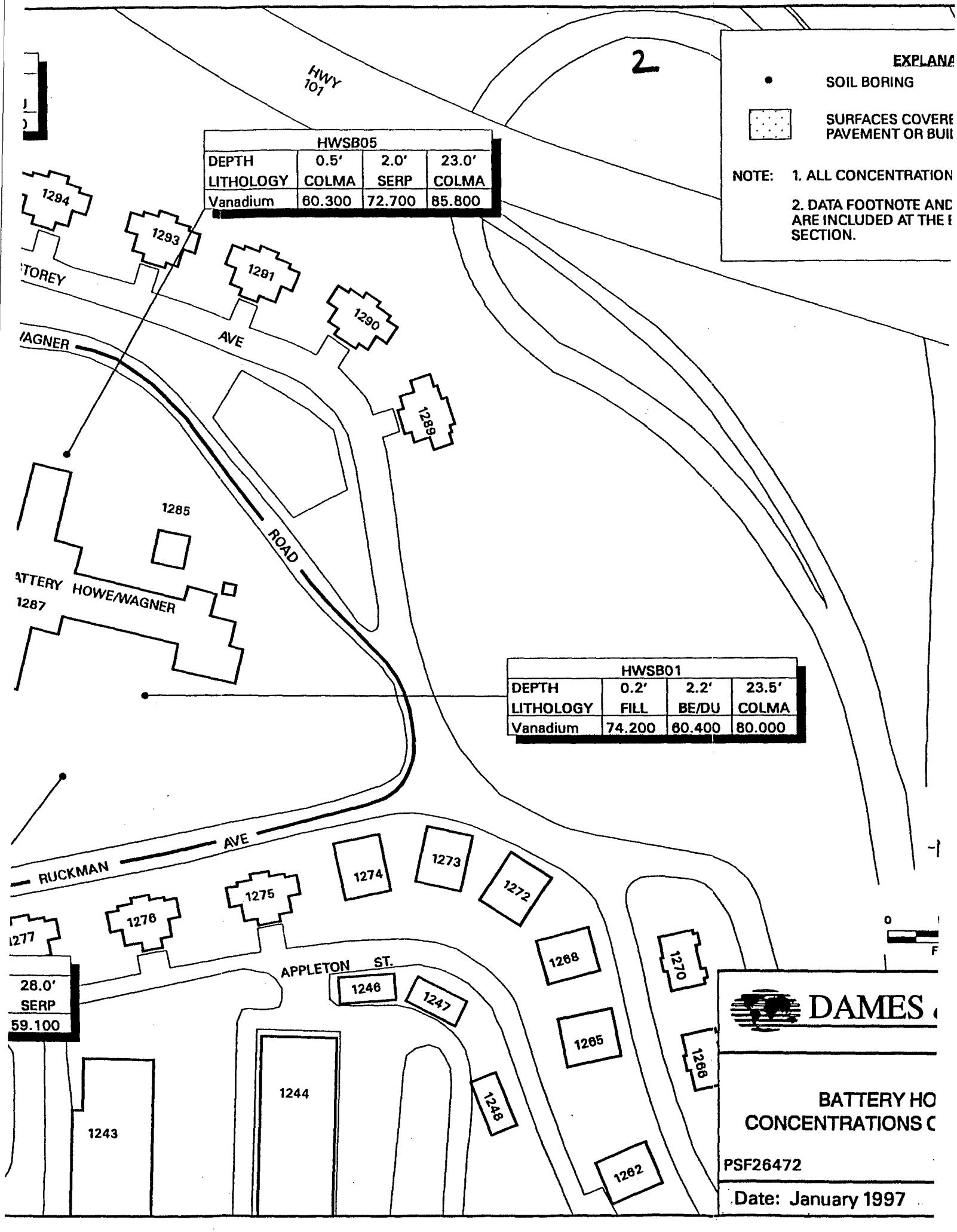
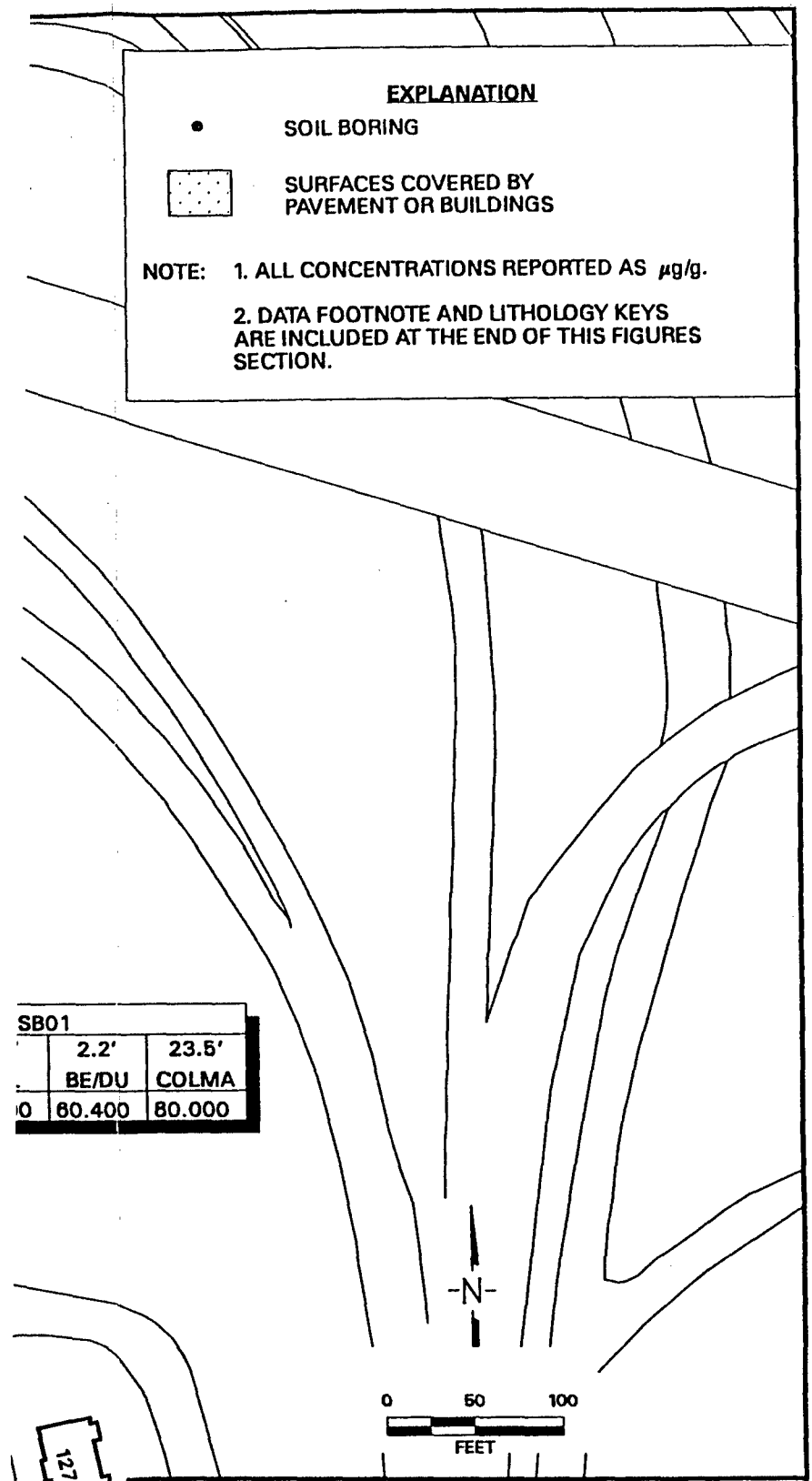


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


HWY 101
2
EXPLANA
SOIL BORING
SURFACES COVERE
PAVEMENT OR BUI
NOTE: 1. ALL CONCENTRATION
2. DATA FOOTNOTE AND
ARE INCLUDED AT THE
SECTION.
HWSB05
DEPTH | 0.5' | 2.0' | 23.0'
LITHOLOGY | COLMA | SERP | COLMA
Vanadium | 60.300 | 72.700 | 85.800
1294
1293
1291
1290
1289
TOREY
AVE
AGNER
1285
ROAD
ATTERY HOWE/WAGNER
1287
HWSB01
DEPTH | 0.2' | 2.2' | 23.5'
LITHOLOGY | FILL | BE/DU | COLMA
Vanadium | 74.200 | 60.400 | 80.000
RUCKMAN
AVE
1277
1276
1275
1274
1273
1272
1268
1270
APPLETON ST.
1246
1247
1265
1266
28.0'
SERP
59.100
1244
1248
1243
1262
0
DAMES
BATTERY HO
CONCENTRATIONS C
PSF26472
Date: January 1997

3



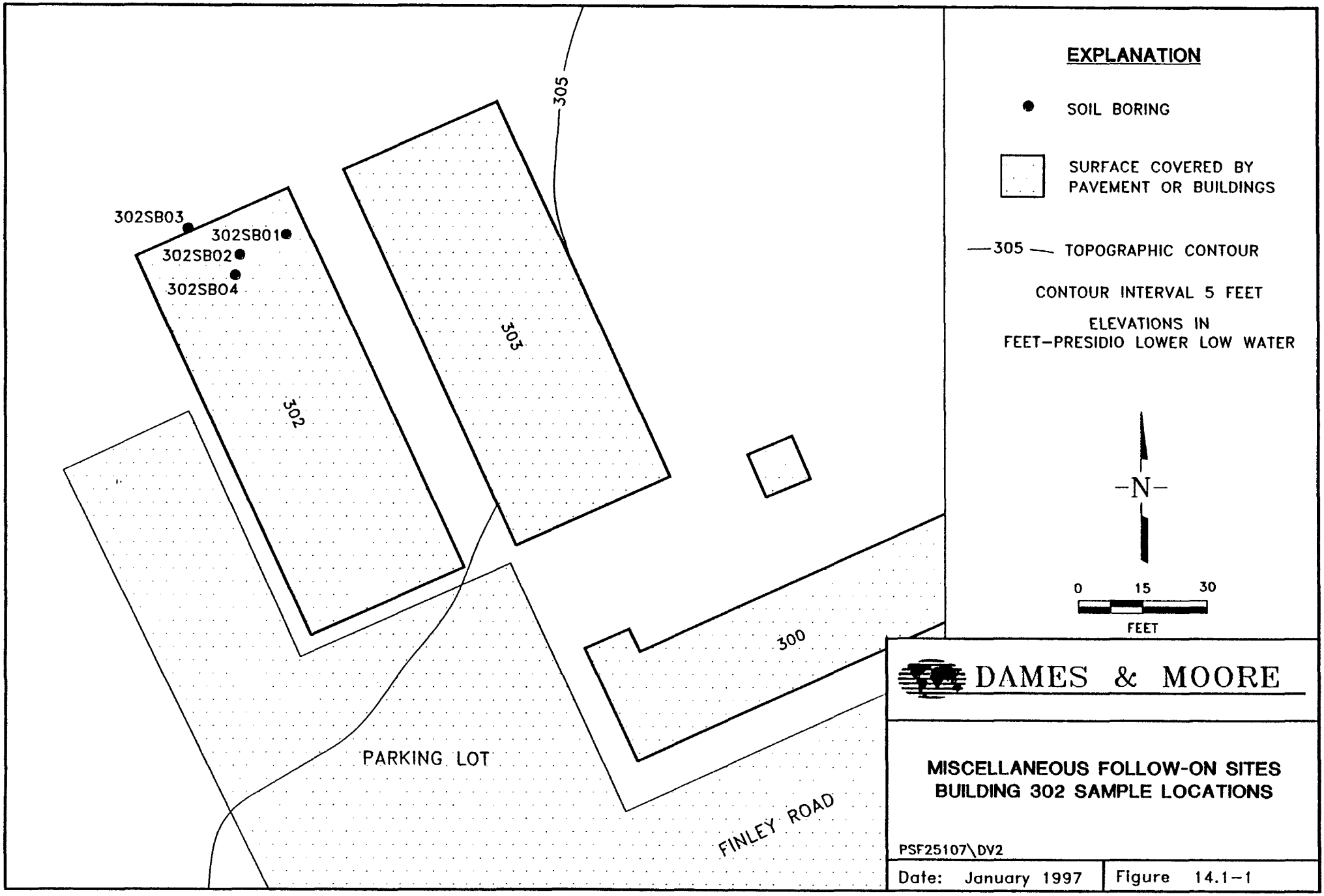
DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF VANADIUM IN SOIL

PSF26472

Date: January 1997

Figure 13.5-11

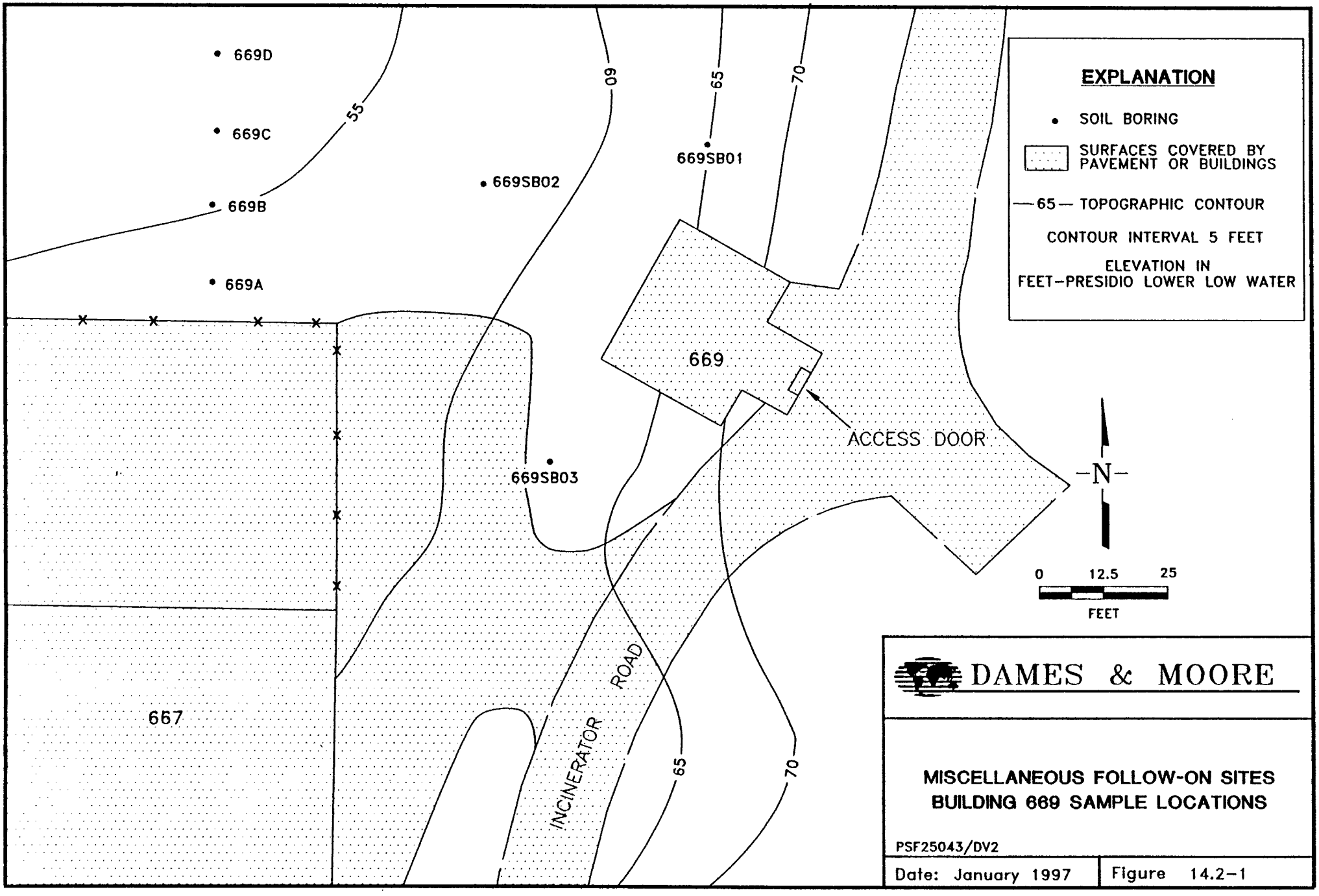


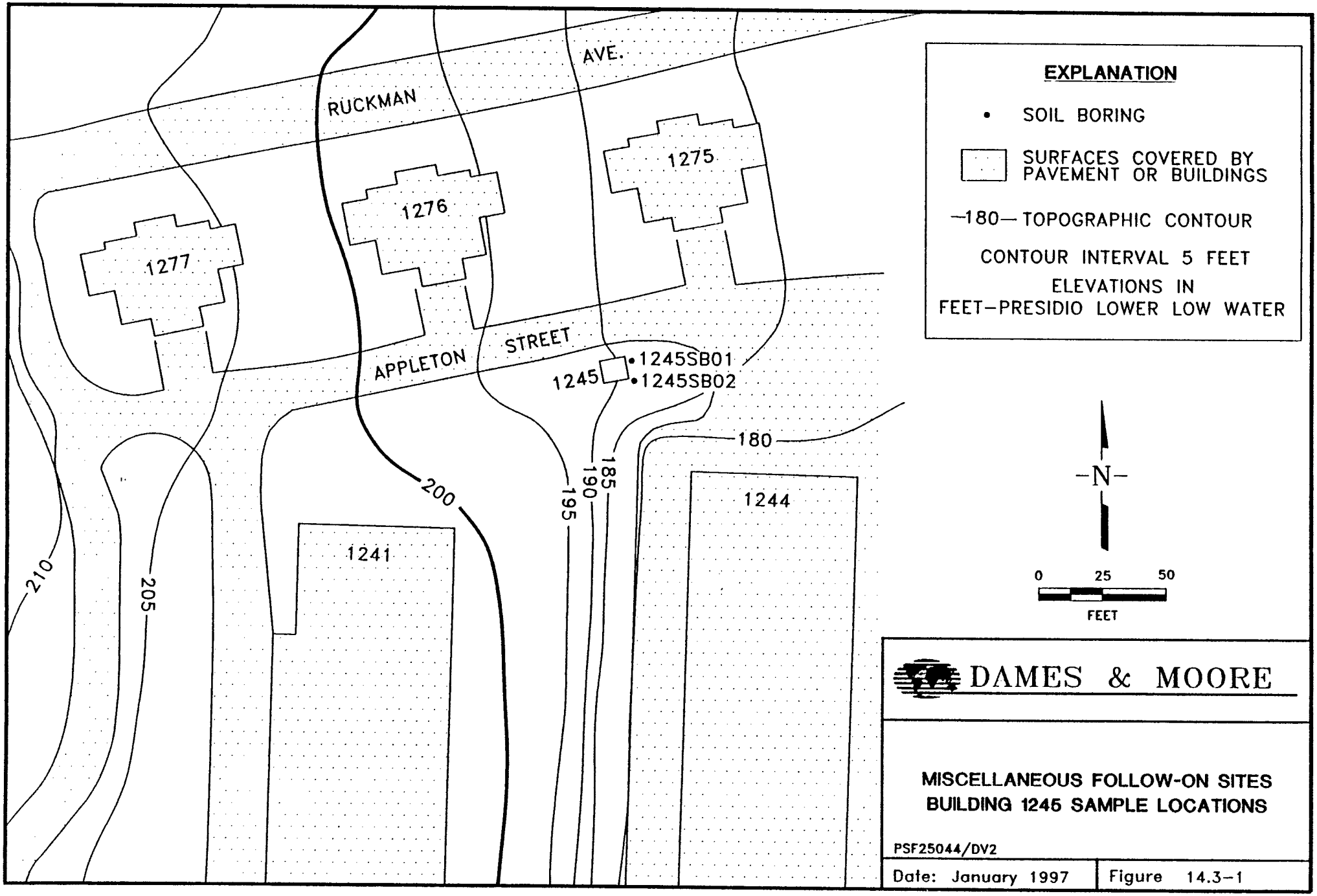
DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
BUILDING 302 SAMPLE LOCATIONS

PSF25107\DV2

Date: January 1997 | Figure 14.1–1


669D
669C
669B
669A
669SB01
669SB02
669SB03
669
667
55
60
65
70
ACCESS DOOR
INCINERATOR ROAD
EXPLANATION
SOIL BORING
SURFACES COVERED BY PAVEMENT OR BUILDINGS
65 TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET
ELEVATION IN FEET-PRESIDIO LOWER LOW WATER
N
0 12.5 25
FEET
DAMES & MOORE
MISCELLANEOUS FOLLOW-ON SITES
BUILDING 669 SAMPLE LOCATIONS
PSF25043/DV2
Date: January 1997
Figure 14.2-1

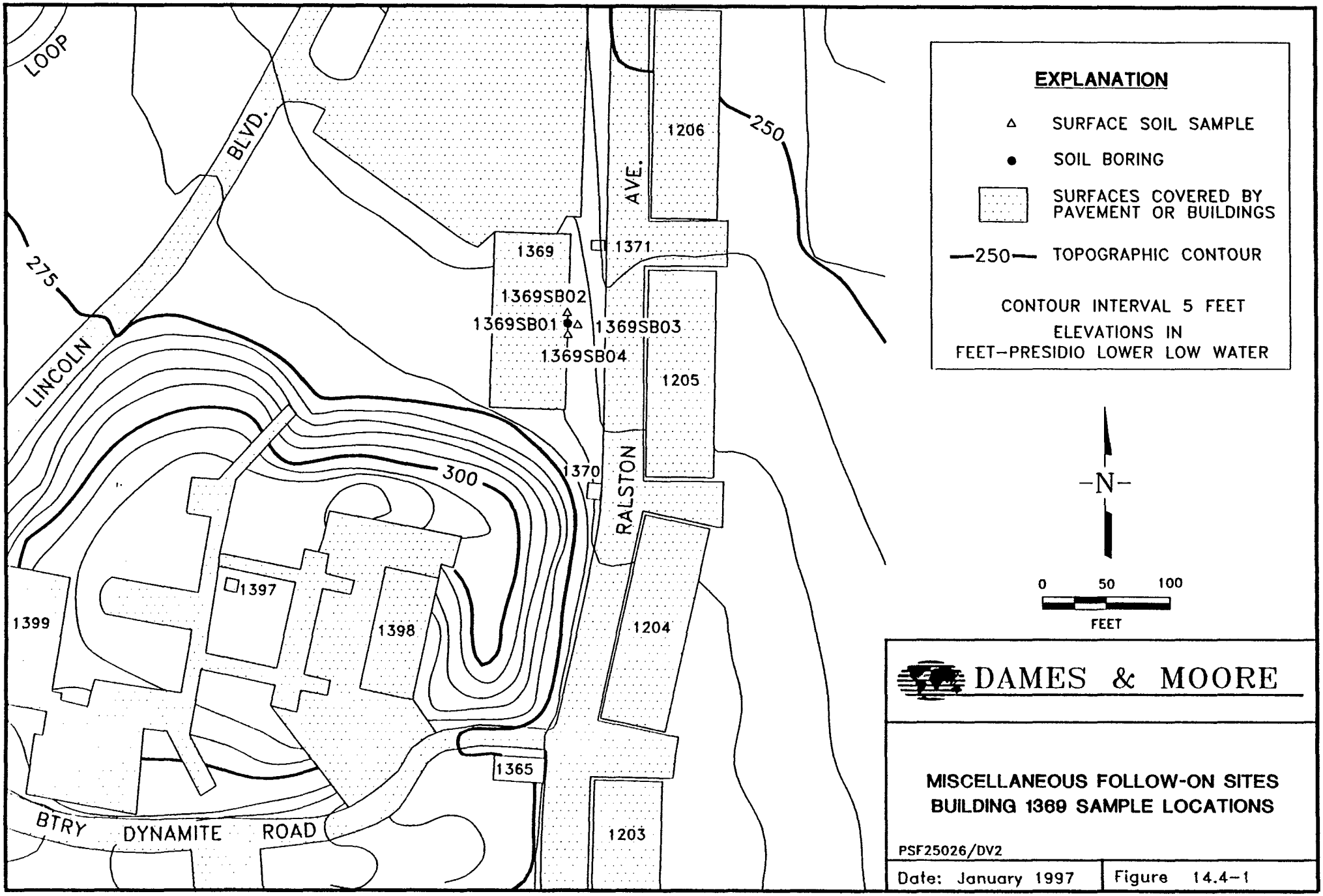


DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1245 SAMPLE LOCATIONS

PSF25044/DV2

Date: January 1997 | Figure 14.3–1

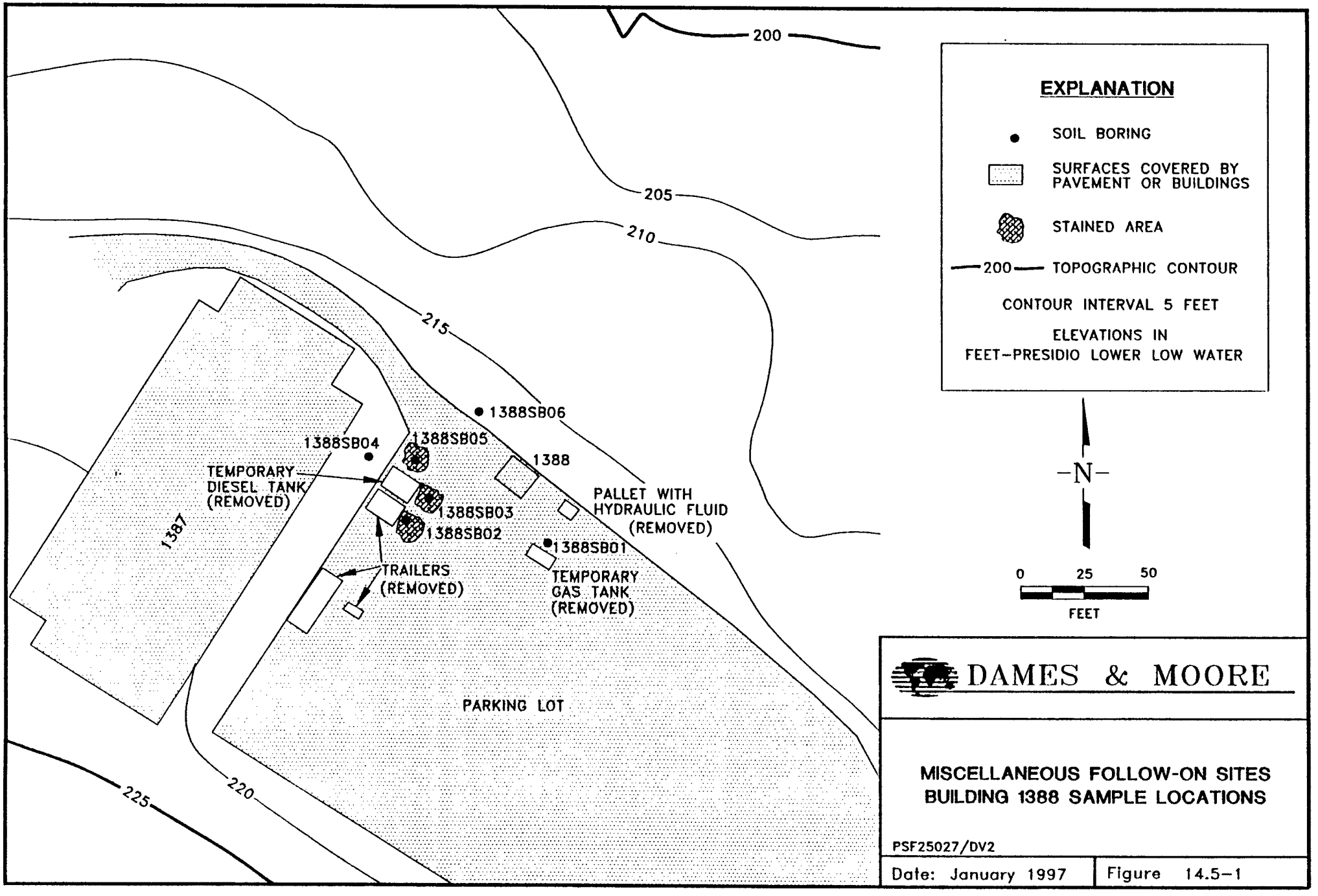


DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1369 SAMPLE LOCATIONS

PSF25026/DV2

Date: January 1997 | Figure 14.4–1

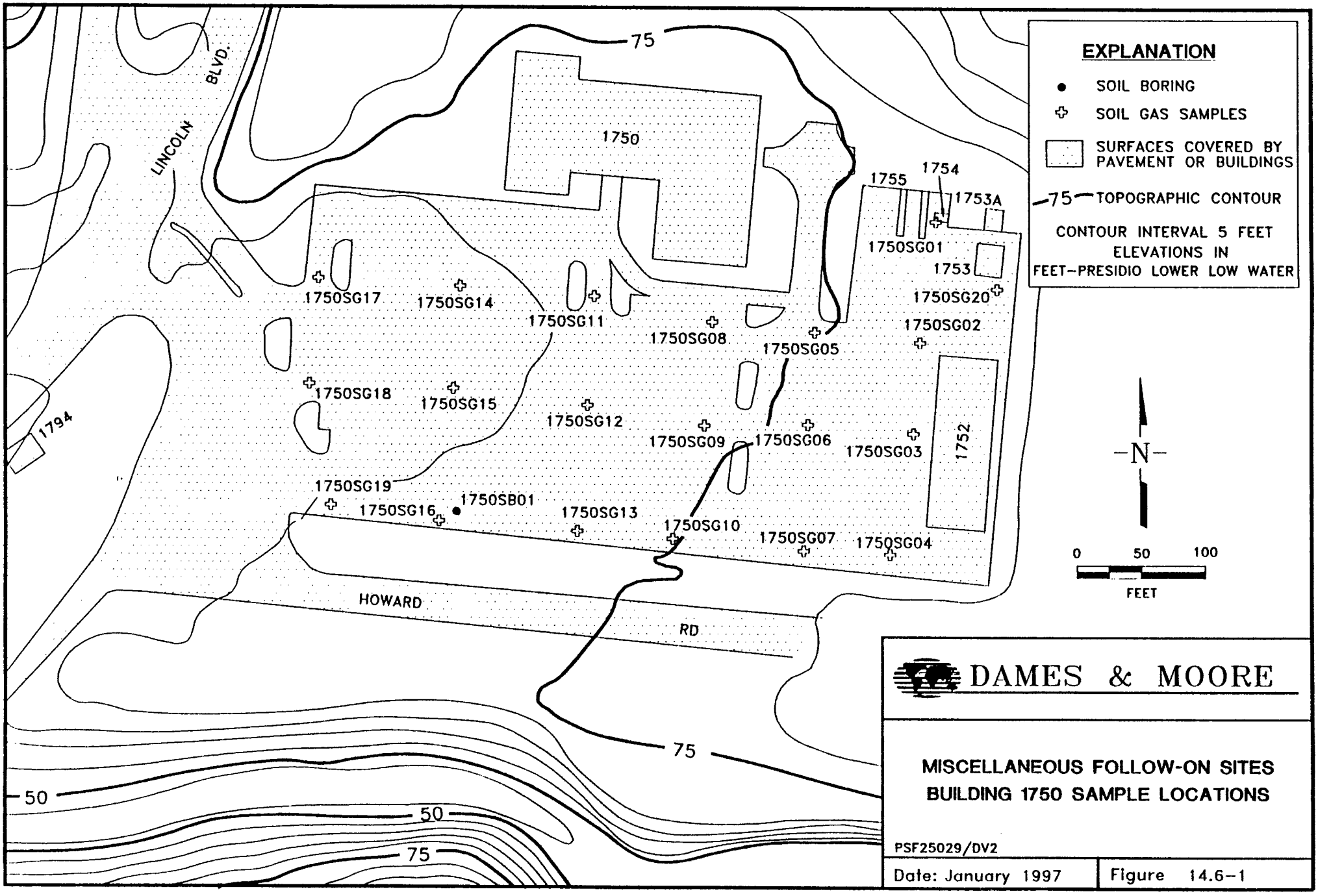


DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1388 SAMPLE LOCATIONS

PSF25027/DV2

Date: January 1997 | Figure 14.5–1

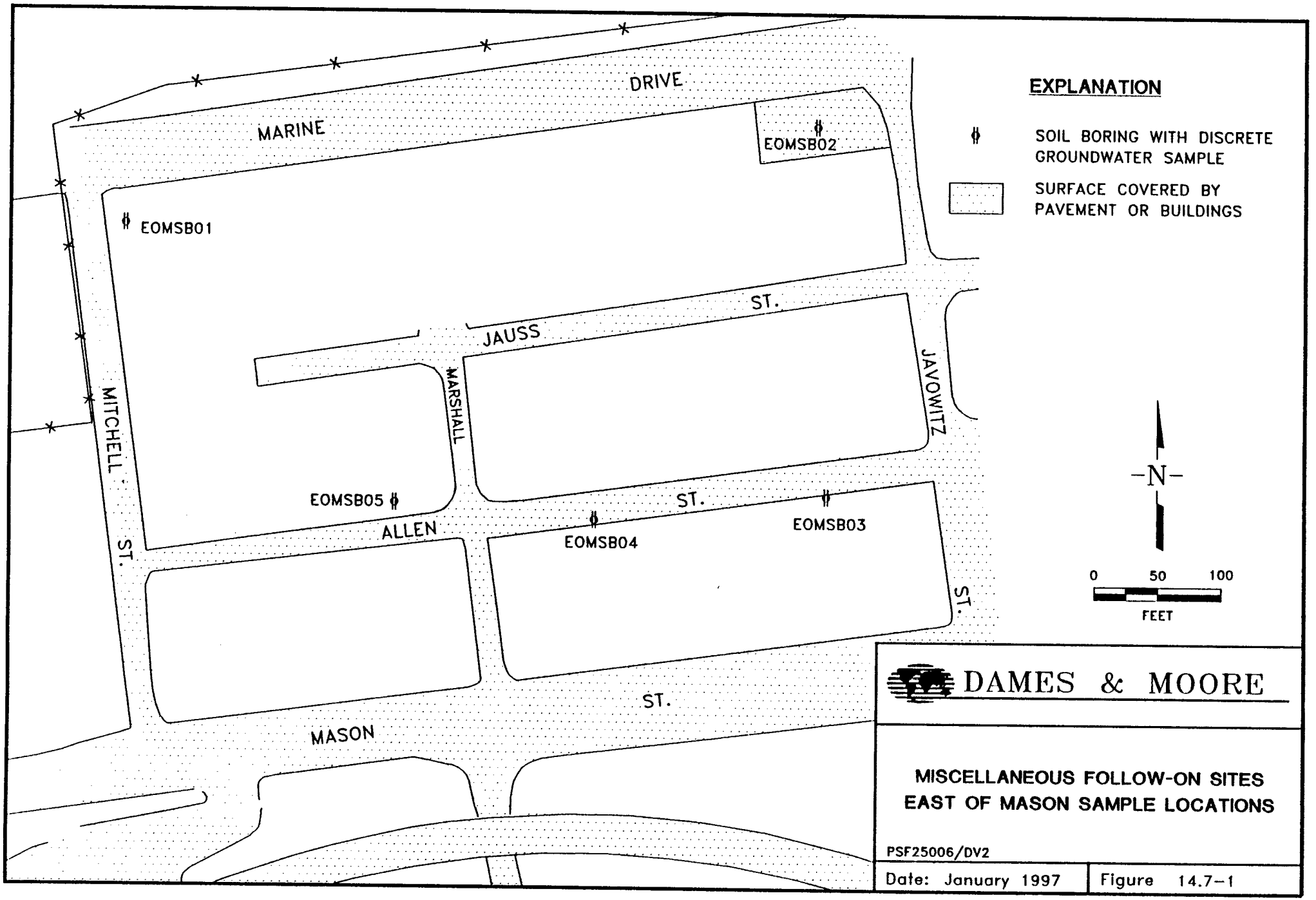


DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1750 SAMPLE LOCATIONS

PSF25029/DV2

Date: January 1997 | Figure 14.6-1


MARINE DRIVE
EOMSB02
EOMSB01
JAUSS ST.
MARSHALL
JAVOWITZ ST.
MITCHELL ST.
EOMSB05
ALLEN ST.
EOMSB04
EOMSB03
ST.
MASON ST.
EXPLANATION
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
SURFACE COVERED BY PAVEMENT OR BUILDINGS
-N-
0 50 100
FEET
DAMES & MOORE
MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON SAMPLE LOCATIONS
PSF25006/DV2
Date: January 1997
Figure 14.7-1

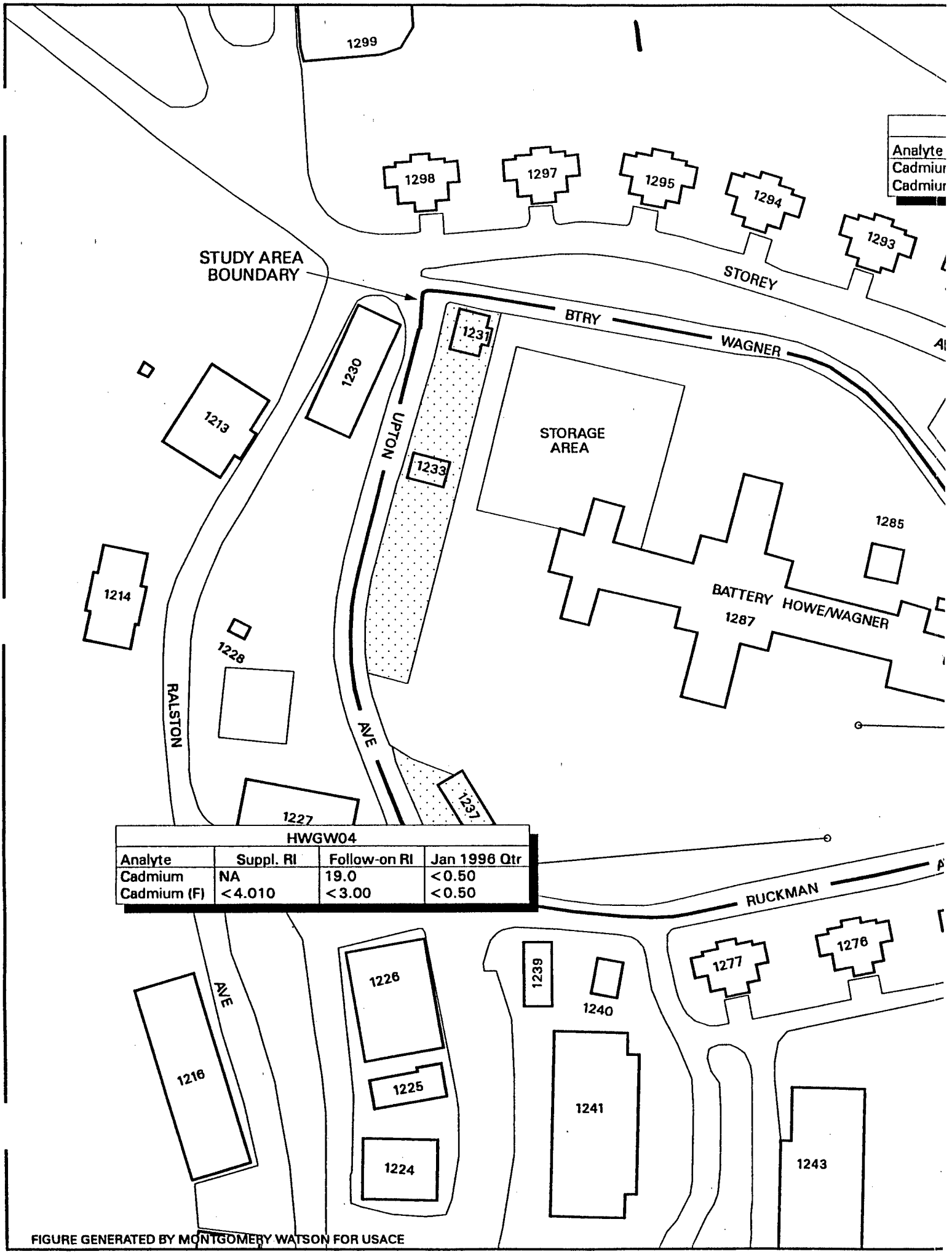
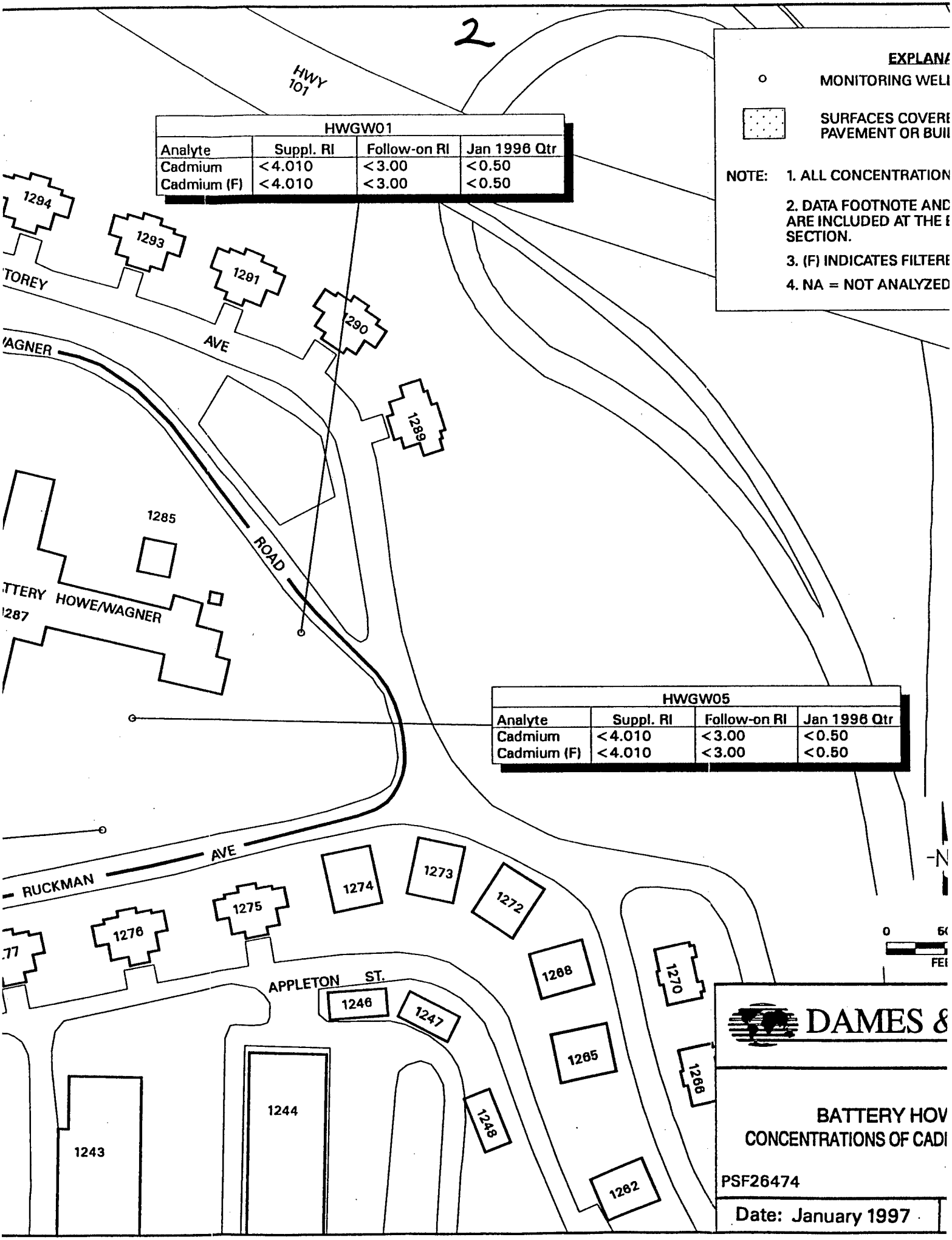


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

05 Sep 96 13:16:27 Thursday, '17_v3.aml, plotfile base_BHW_W_fig.ps, PSF


2
HWY 101
HWGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | <4.010 | <3.00 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
EXPLANA
MONITORING WELL
SURFACES COVERE
PAVEMENT OR BUIL
NOTE: 1. ALL CONCENTRATION
2. DATA FOOTNOTE AND
ARE INCLUDED AT THE E
SECTION.
3. (F) INDICATES FILTERE
4. NA = NOT ANALYZED
1294
1293
1291
1290
1289
TOREY AVE
WAGNER
1285
ROAD
TTERY HOWE/WAGNER
1287
HWGW05
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | <4.010 | <3.00 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
RUCKMAN AVE
1276
1275
1274
1273
1272
1268
1270
APPLETON ST.
1246
1247
1265
1266
1244
1248
1243
1262
DAMES &
BATTERY HOV
CONCENTRATIONS OF CADI
PSF26474
Date: January 1997

3

EXPLANATION

o MONITORING WELL

SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

HWGW05		
uppl. RI	Follow-on RI	Jan 1996 Qtr
010	<3.00	<0.50
.010	<3.00	<0.50

-N-

0 50 100

FEET

1270

1268

1262

DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF CADMIUM IN GROUNDWATER

PSF26474

Date: January 1997

Figure 13.5-12

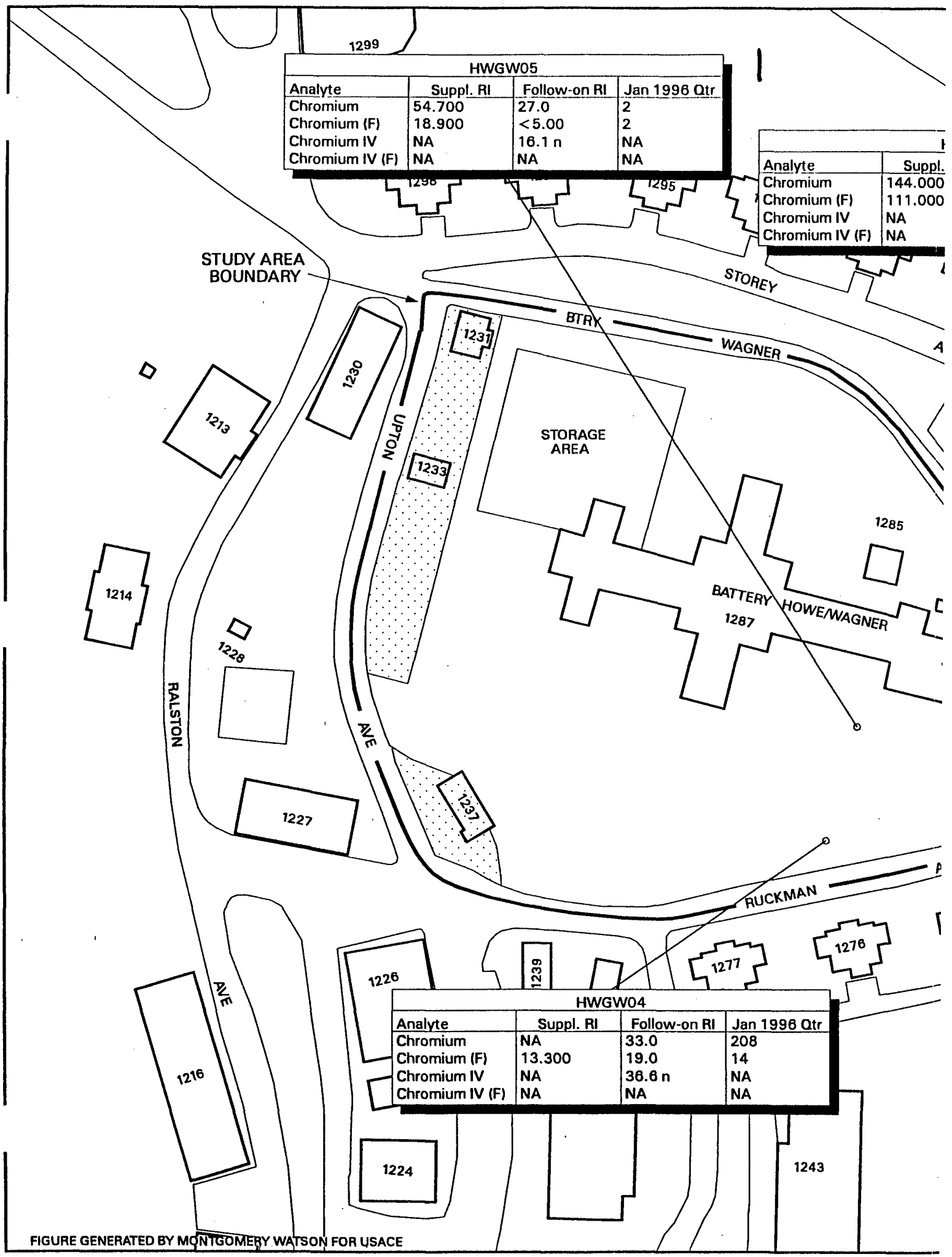
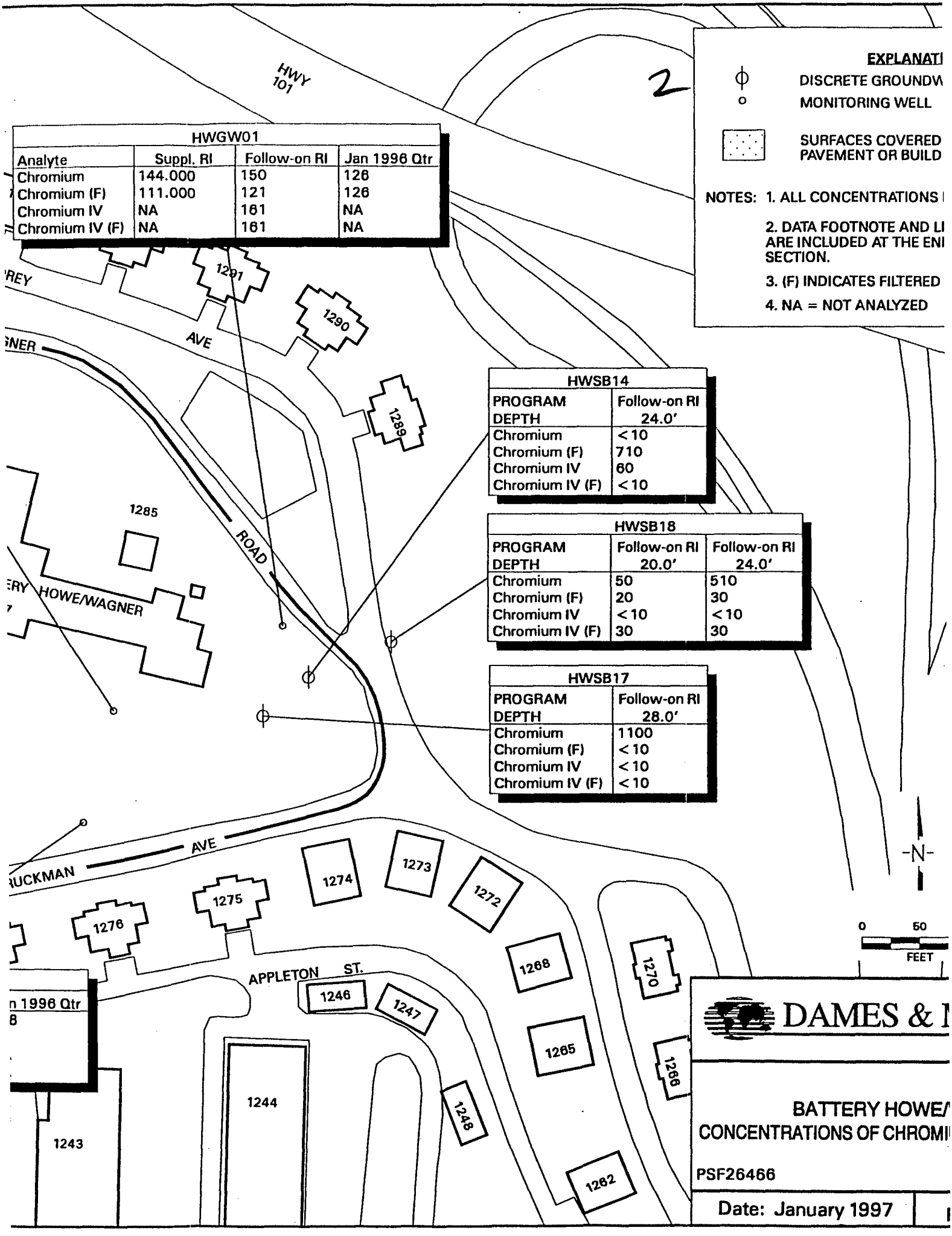
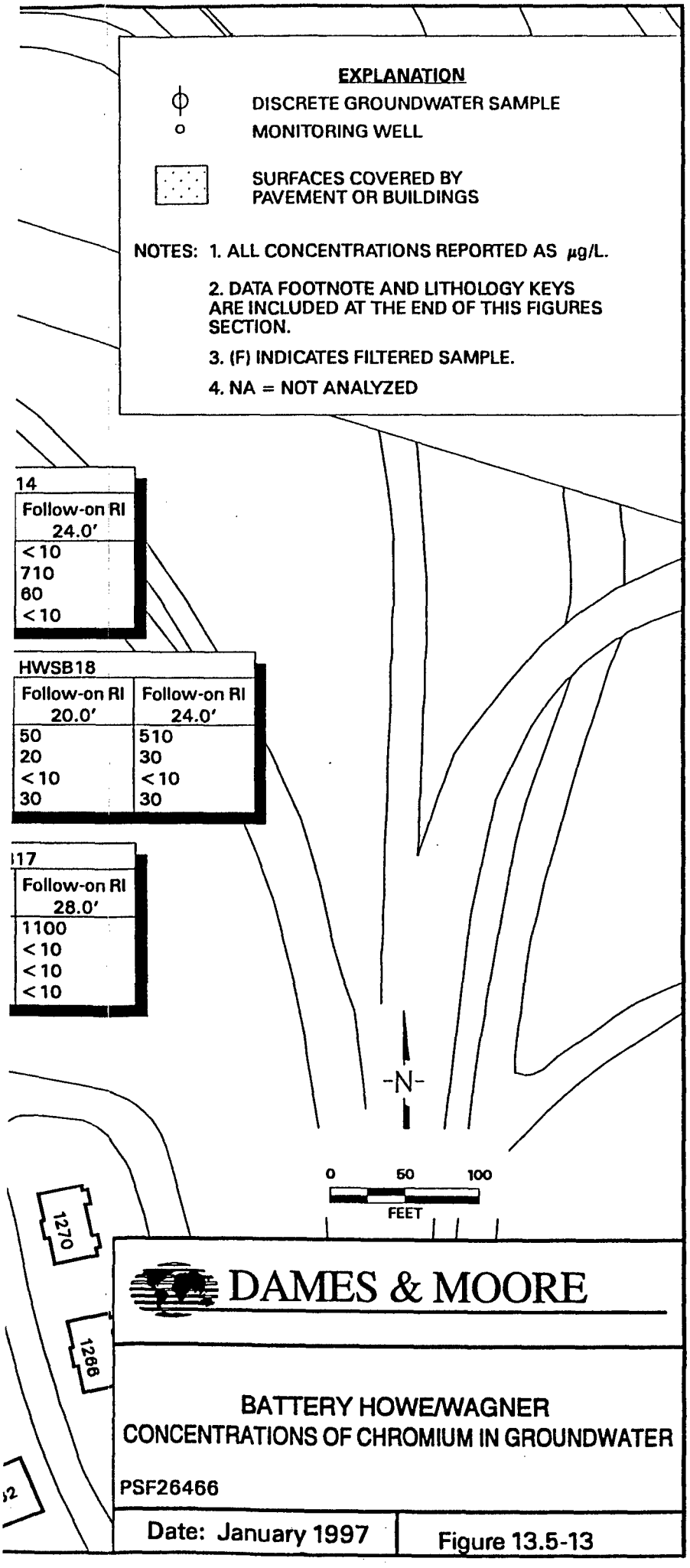
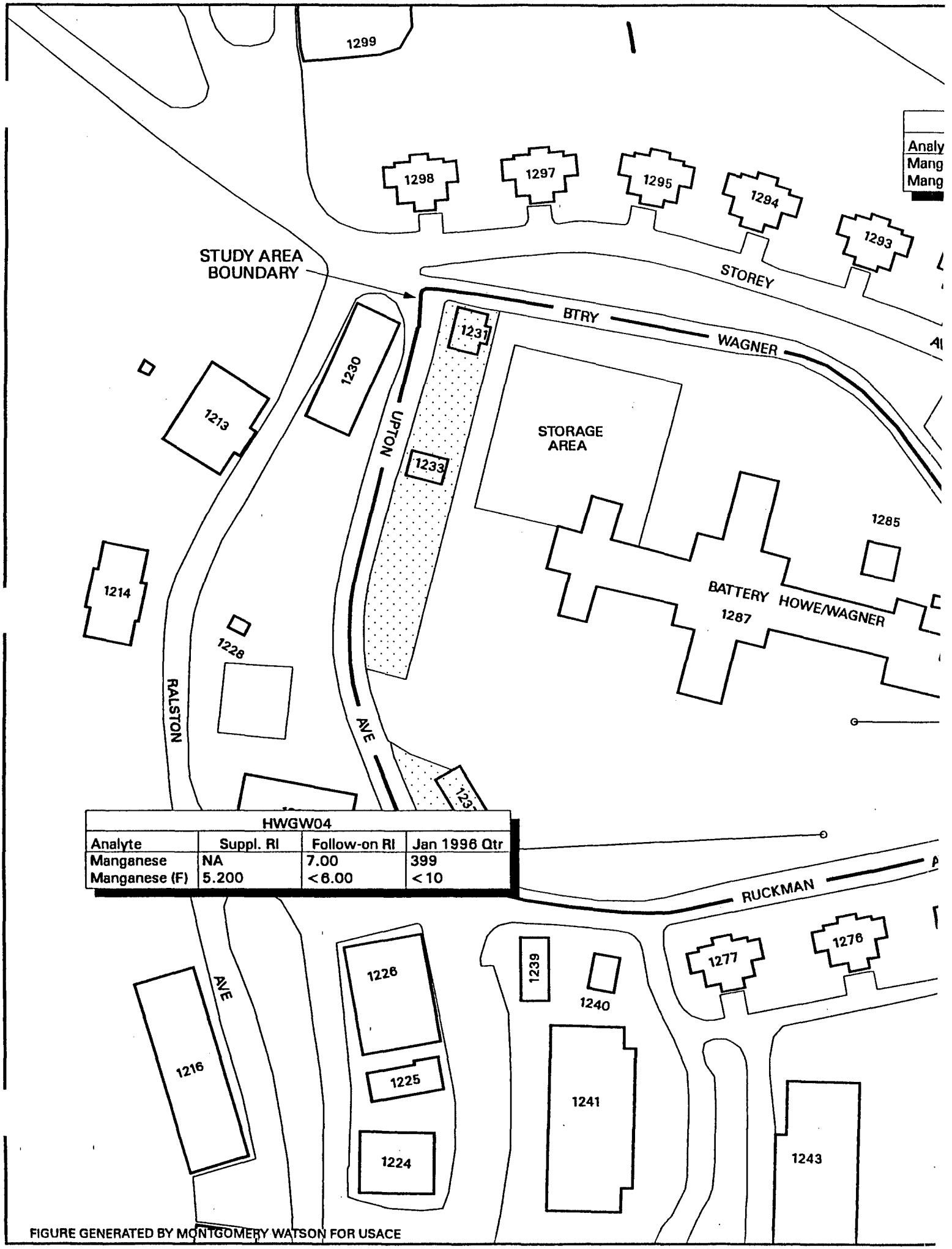


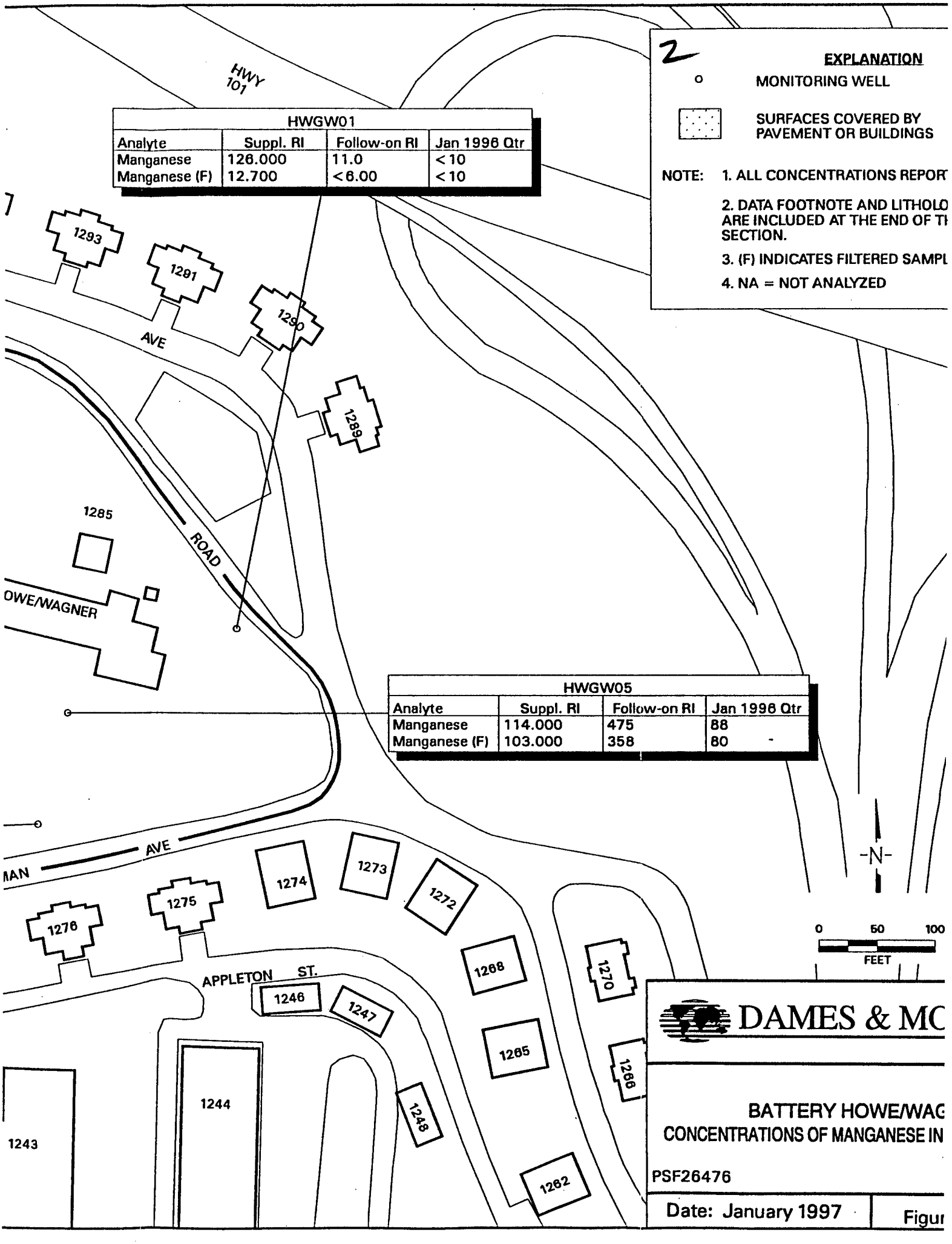
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


HWY 101
2
EXPLANATI
DISCRETE GROUNDW
MONITORING WELL
SURFACES COVERED
PAVEMENT OR BUILD
NOTES: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE ENI
SECTION.
3. (F) INDICATES FILTERED
4. NA = NOT ANALYZED
HWGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | 144.000 | 150 | 126
Chromium (F) | 111.000 | 121 | 126
Chromium IV | NA | 161 | NA
Chromium IV (F) | NA | 161 | NA
HWSB14
PROGRAM / DEPTH | Follow-on RI 24.0'
Chromium | <10
Chromium (F) | 710
Chromium IV | 60
Chromium IV (F) | <10
HWSB18
PROGRAM / DEPTH | Follow-on RI 20.0' | Follow-on RI 24.0'
Chromium | 50 | 510
Chromium (F) | 20 | 30
Chromium IV | <10 | <10
Chromium IV (F) | 30 | 30
HWSB17
PROGRAM / DEPTH | Follow-on RI 28.0'
Chromium | 1100
Chromium (F) | <10
Chromium IV | <10
Chromium IV (F) | <10
1291
1290
1289
1285
1276
1275
1274
1273
1272
1268
1270
1265
1266
1246
1247
1248
1244
1243
1262
AVE
ROAD
APPLETON ST.
HOWE/WAGNER
-N-
0 50
FEET
DAMES &
BATTERY HOWE/
CONCENTRATIONS OF CHROMI
PSF26466
Date: January 1997

3


EXPLANATION
DISCRETE GROUNDWATER SAMPLE
MONITORING WELL
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
14
Follow-on RI 24.0'
<10
710
60
<10
HWSB18
Follow-on RI 20.0'
50
20
<10
30
Follow-on RI 24.0'
510
30
<10
30
117
Follow-on RI 28.0'
1100
<10
<10
<10
-N-
0
50
100
FEET
1270
1266
DAMES & MOORE
BATTERY HOWE/WAGNER
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER
PSF26466
Date: January 1997
Figure 13.5-13


1299
1298
1297
1295
1294
1293
STUDY AREA BOUNDARY
STOREY
BTRY
WAGNER
1231
1230
1213
UPTON
1233
STORAGE AREA
1285
1214
BATTERY HOWE/WAGNER
1287
1228
RALSTON
AVE
HWGW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | NA | 7.00 | 399
Manganese (F) | 5.200 | <6.00 | <10
RUCKMAN
1277
1276
1239
1240
1226
1216
AVE
1225
1241
1224
1243
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


HWY 101
HWGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | 126.000 | 11.0 | < 10
Manganese (F) | 12.700 | < 6.00 | < 10
2
EXPLANATION
MONITORING WELL
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTE: 1. ALL CONCENTRATIONS REPOR
2. DATA FOOTNOTE AND LITHOLO ARE INCLUDED AT THE END OF TI SECTION.
3. (F) INDICATES FILTERED SAMPL
4. NA = NOT ANALYZED
1293
1291
1290
AVE
1289
1285
ROAD
OWE/WAGNER
HWGW05
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | 114.000 | 475 | 88
Manganese (F) | 103.000 | 358 | 80
MAN
AVE
1276
1275
1274
1273
1272
1268
1270
APPLETON ST.
1246
1247
1265
1266
1244
1248
1243
1262
-N-
0 50 100
FEET
DAMES & MC
BATTERY HOWE/WAG
CONCENTRATIONS OF MANGANESE IN
PSF26476
Date: January 1997
Figu

3

EXPLANATION

o MONITORING WELL

SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

)5	
ollow-on RI	Jan 1996 Qtr
75	88
58	80

-N-

0 50 100

FEET

DAMES & MOORE

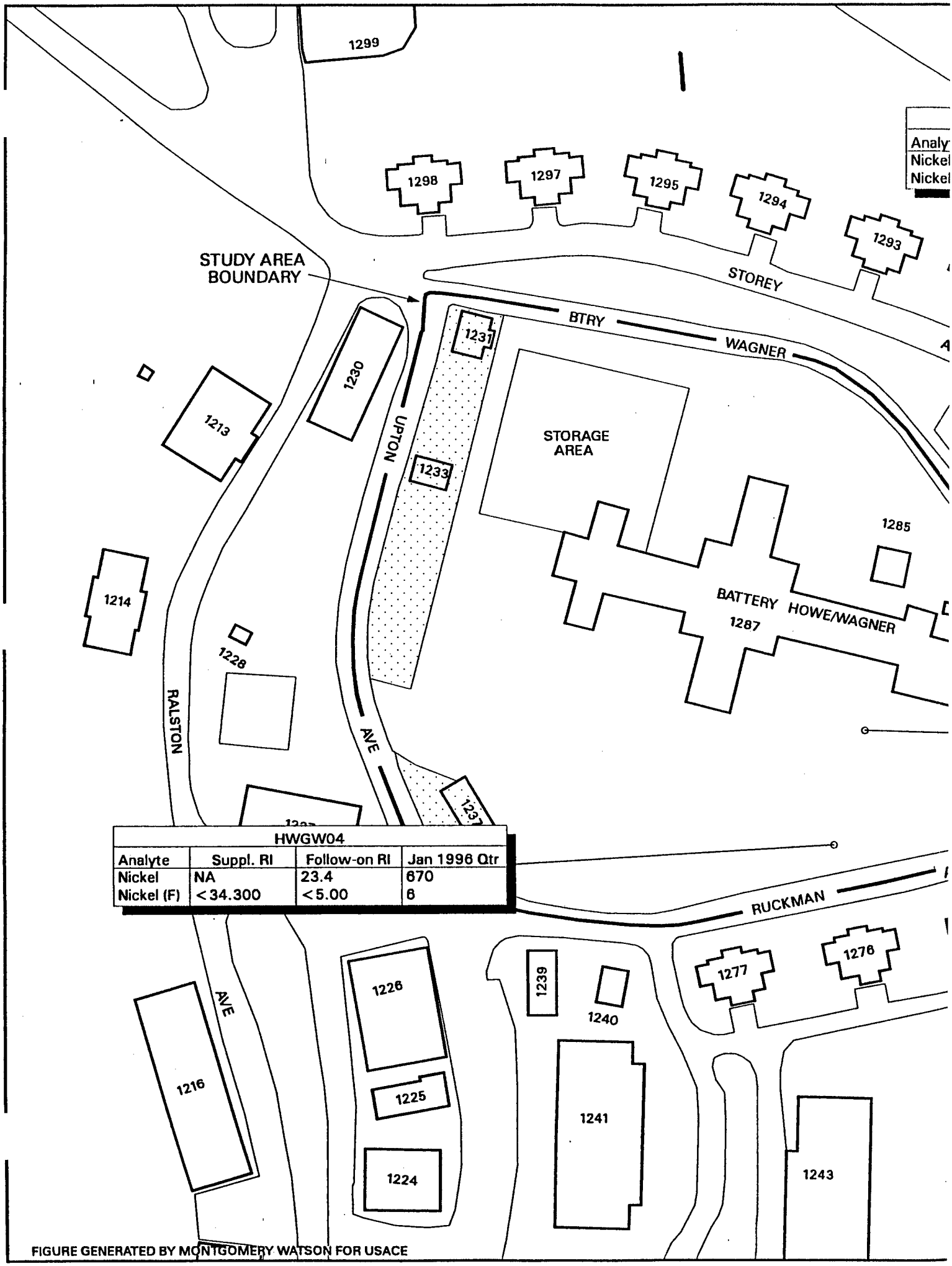
1266

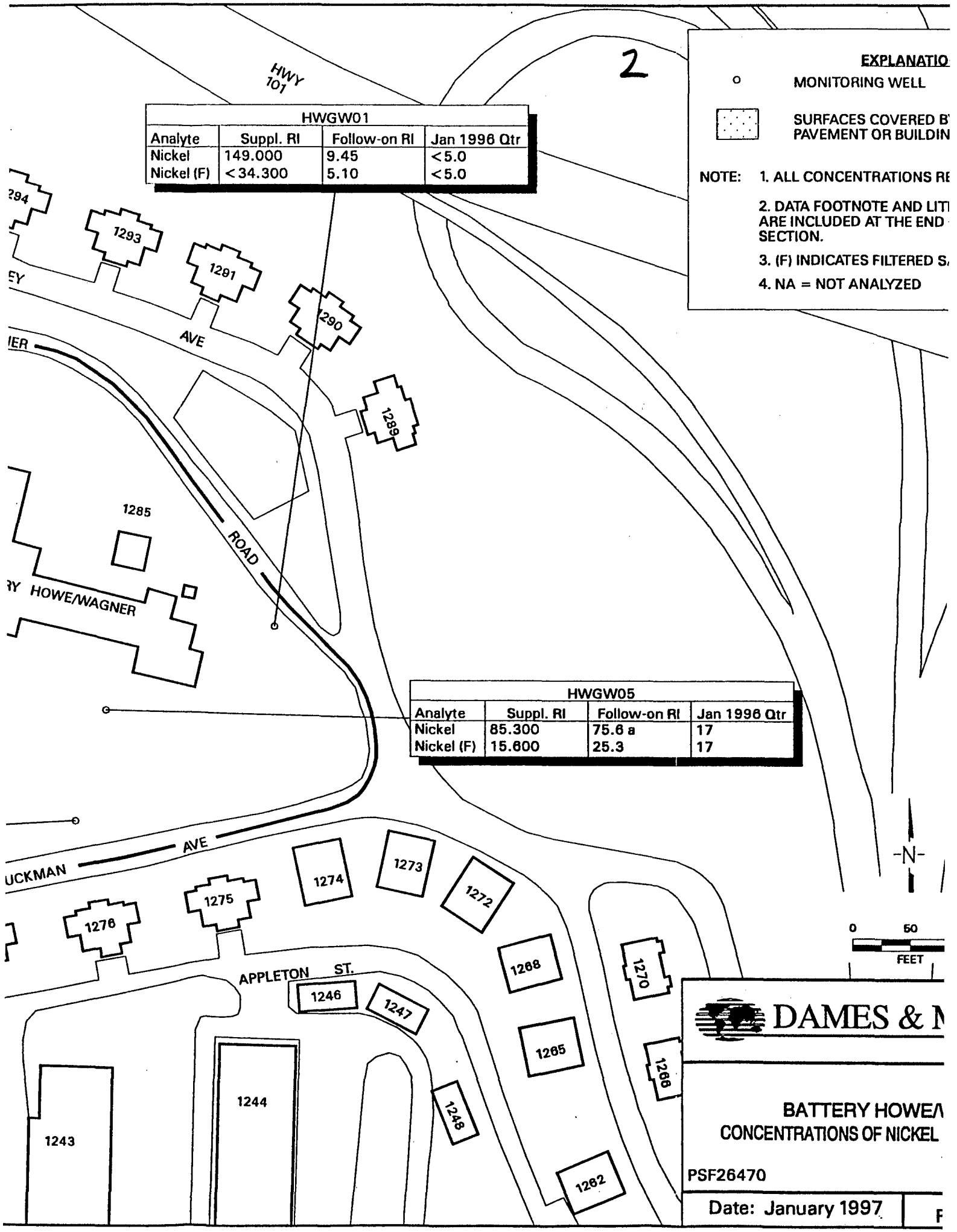
BATTERY HOWE/WAGNER

CONCENTRATIONS OF MANGANESE IN GROUNDWATER

PSF26476

Date: January 1997 | Figure 13.5-14


1299
1298
1297
1295
1294
1293
STUDY AREA BOUNDARY
STOREY
BTRY
WAGNER
1231
1230
1213
UPTON
1233
STORAGE AREA
1285
1214
BATTERY HOWE/WAGNER
1287
1228
RALSTON
AVE
1237
HWGW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | NA | 23.4 | 670
Nickel (F) | <34.300 | <5.00 | 6
RUCKMAN
1277
1276
1239
1240
1226
1216
AVE
1225
1241
1224
1243
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


HWY 101
2
EXPLANATIO
MONITORING WELL
SURFACES COVERED B
PAVEMENT OR BUILDIN
NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LIT
ARE INCLUDED AT THE END
SECTION.
3. (F) INDICATES FILTERED S
4. NA = NOT ANALYZED
HWGW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | 149.000 | 9.45 | <5.0
Nickel (F) | <34.300 | 5.10 | <5.0
HWGW05
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | 85.300 | 75.6 a | 17
Nickel (F) | 15.600 | 25.3 | 17
1294
1293
1291
1290
1289
1285
AVE
ROAD
HOWE/WAGNER
UCKMAN AVE
1276
1275
1274
1273
1272
1268
1270
APPLETON ST.
1246
1247
1265
1266
1244
1248
1243
1262
-N-
0 50
FEET
DAMES & M
BATTERY HOWE/
CONCENTRATIONS OF NICKEL
PSF26470
Date: January 1997

3

EXPLANATION

o MONITORING WELL

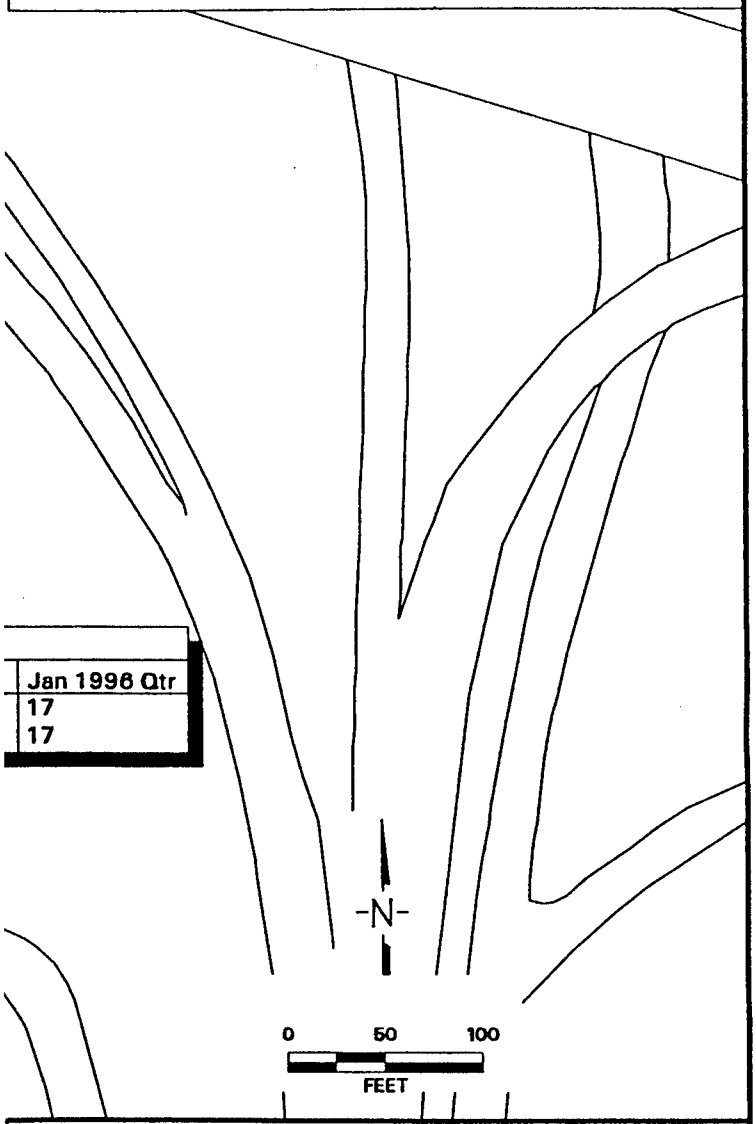
SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF NICKEL IN GROUNDWATER

PSF26470

Date: January 1997

Figure 13.5-15

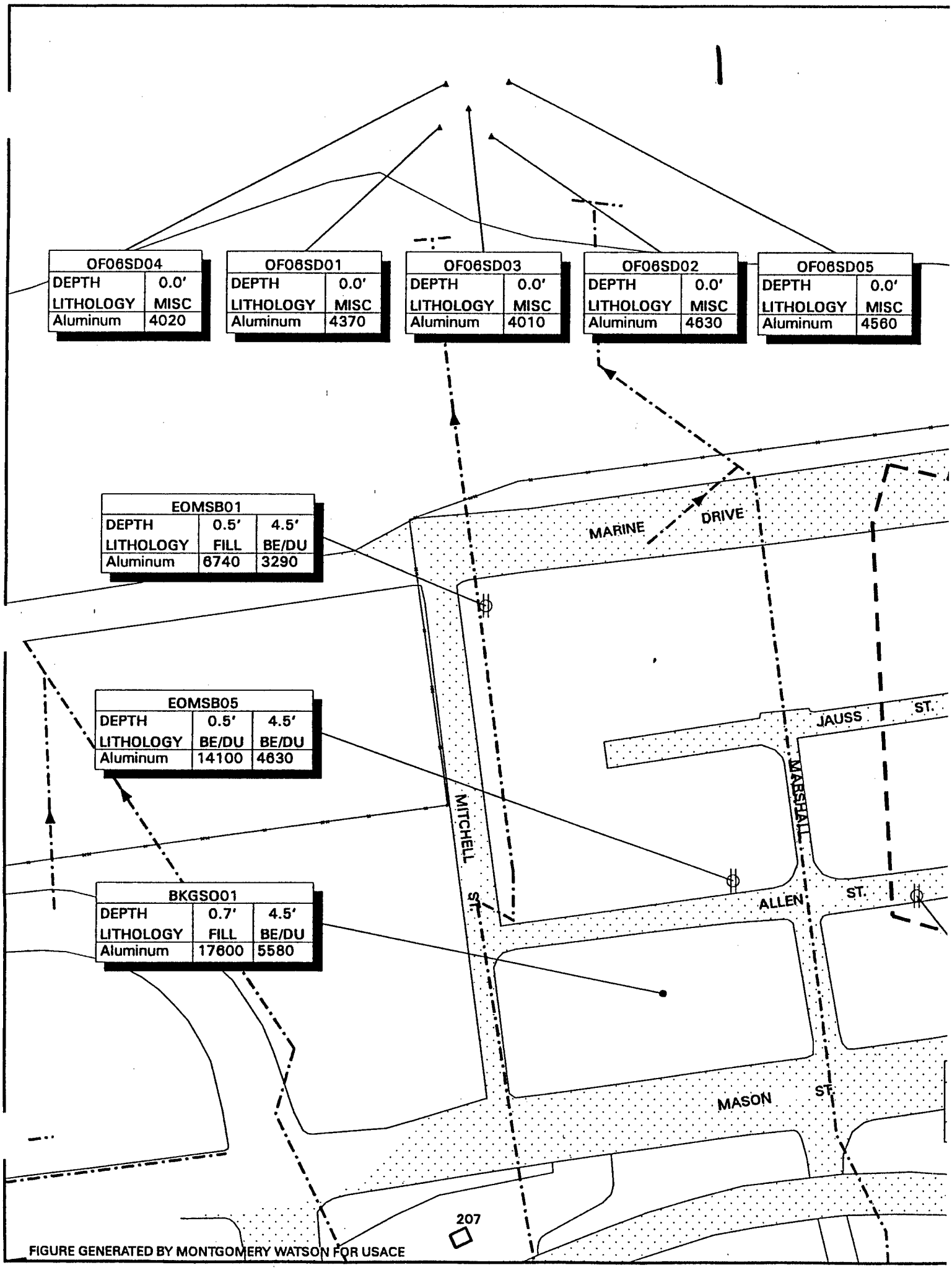


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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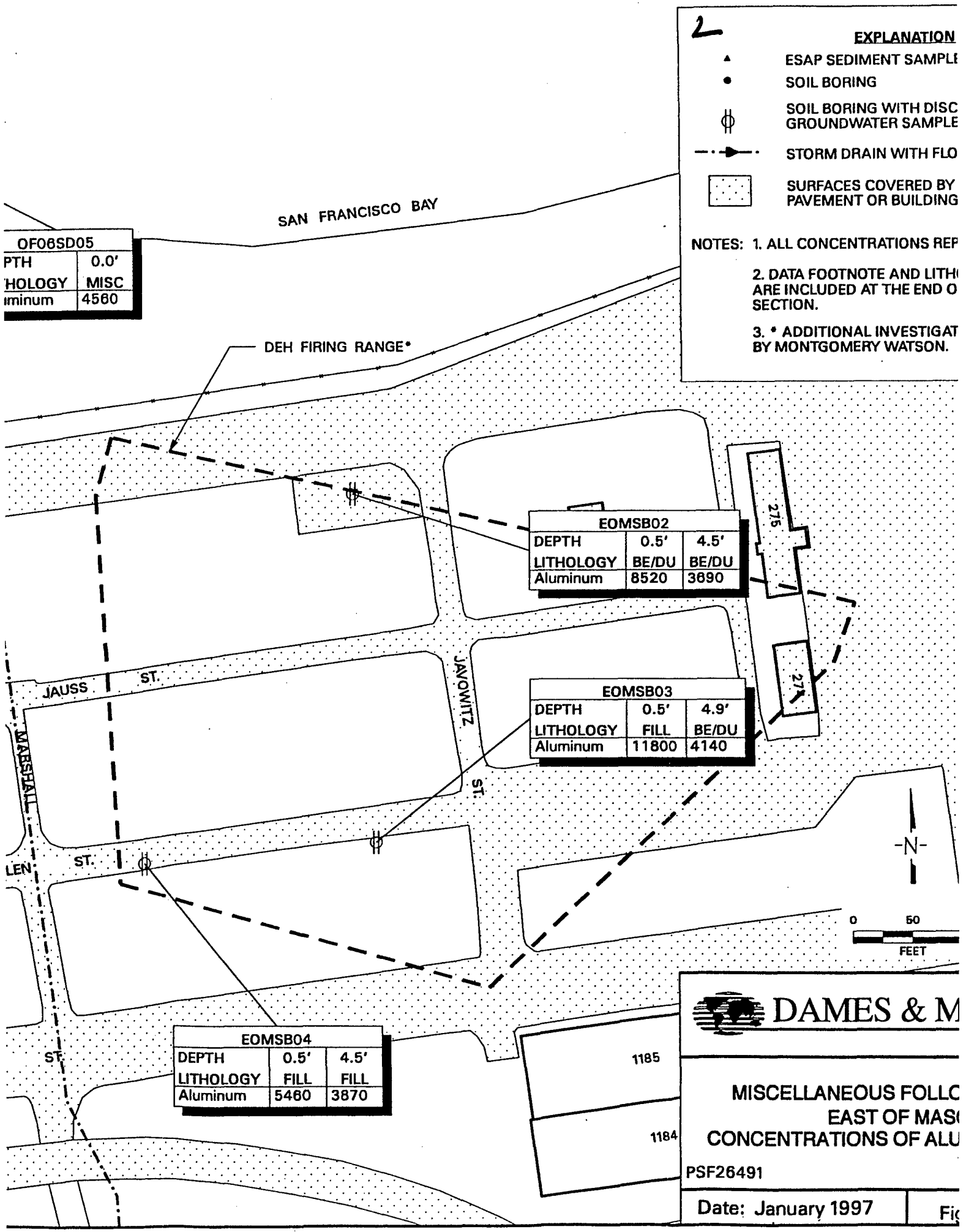
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EXPLANATION
ESAP SEDIMENT SAMPLE
SOIL BORING
SOIL BORING WITH DISC
GROUNDWATER SAMPLE
STORM DRAIN WITH FLO
SURFACES COVERED BY
PAVEMENT OR BUILDING
NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITH
ARE INCLUDED AT THE END O
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SAN FRANCISCO BAY
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DEPTH 0.5' 4.5'
LITHOLOGY BE/DU BE/DU
Aluminum 8520 3690
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EOMSB03
DEPTH 0.5' 4.9'
LITHOLOGY FILL BE/DU
Aluminum 11800 4140
JAUSS ST.
JAVOWITZ ST.
MARSHALL
LEN ST.
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DAMES & M
MISCELLANEOUS FOLLO
EAST OF MAS
CONCENTRATIONS OF ALU
PSF26491
Date: January 1997
Fi

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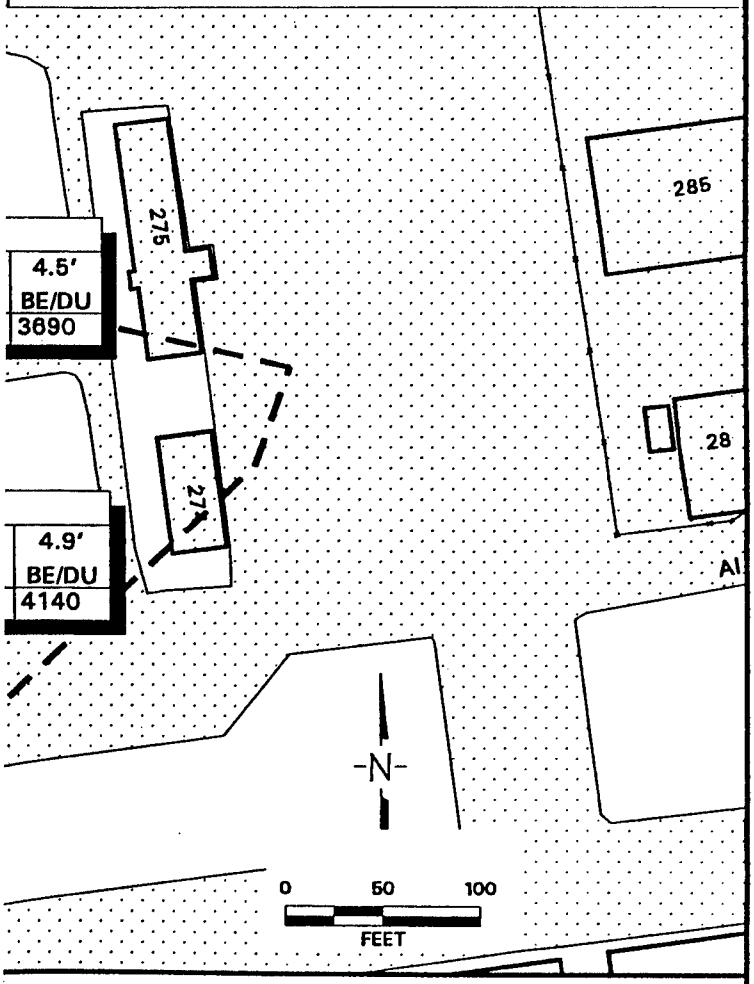
EXPLANATION

- ESAP SEDIMENT SAMPLE
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26491

Date: January 1997

Figure 14.7-2

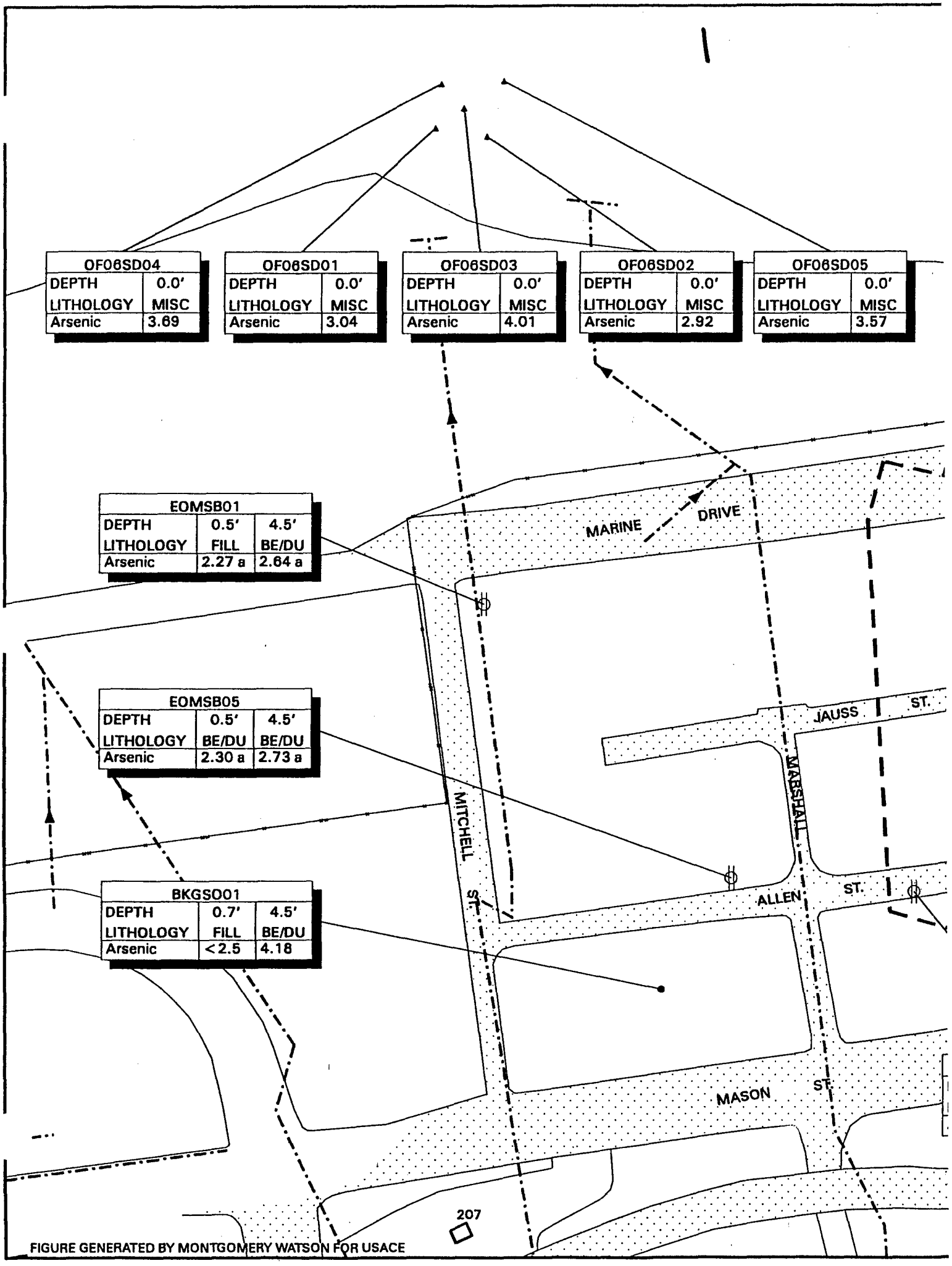
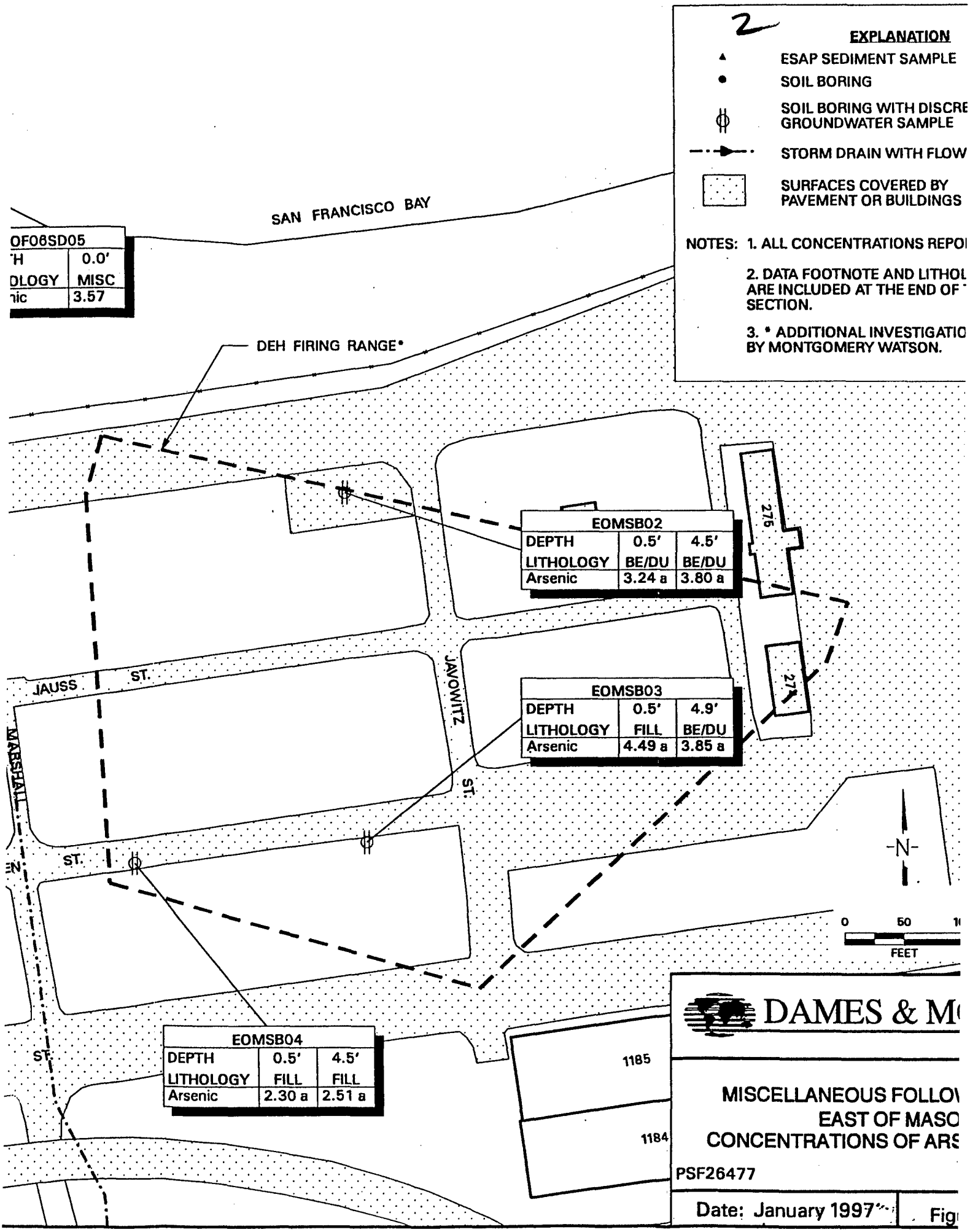


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


2
EXPLANATION
ESAP SEDIMENT SAMPLE
SOIL BORING
SOIL BORING WITH DISCRE
GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY
PAVEMENT OR BUILDINGS
NOTES: 1. ALL CONCENTRATIONS REPOI
2. DATA FOOTNOTE AND LITHOL
ARE INCLUDED AT THE END OF
SECTION.
3. * ADDITIONAL INVESTIGATIO
BY MONTGOMERY WATSON.
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DEPTH 0.5' 4.5'
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JAVOWITZ ST.
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CONCENTRATIONS OF ARS
PSF26477
Date: January 1997
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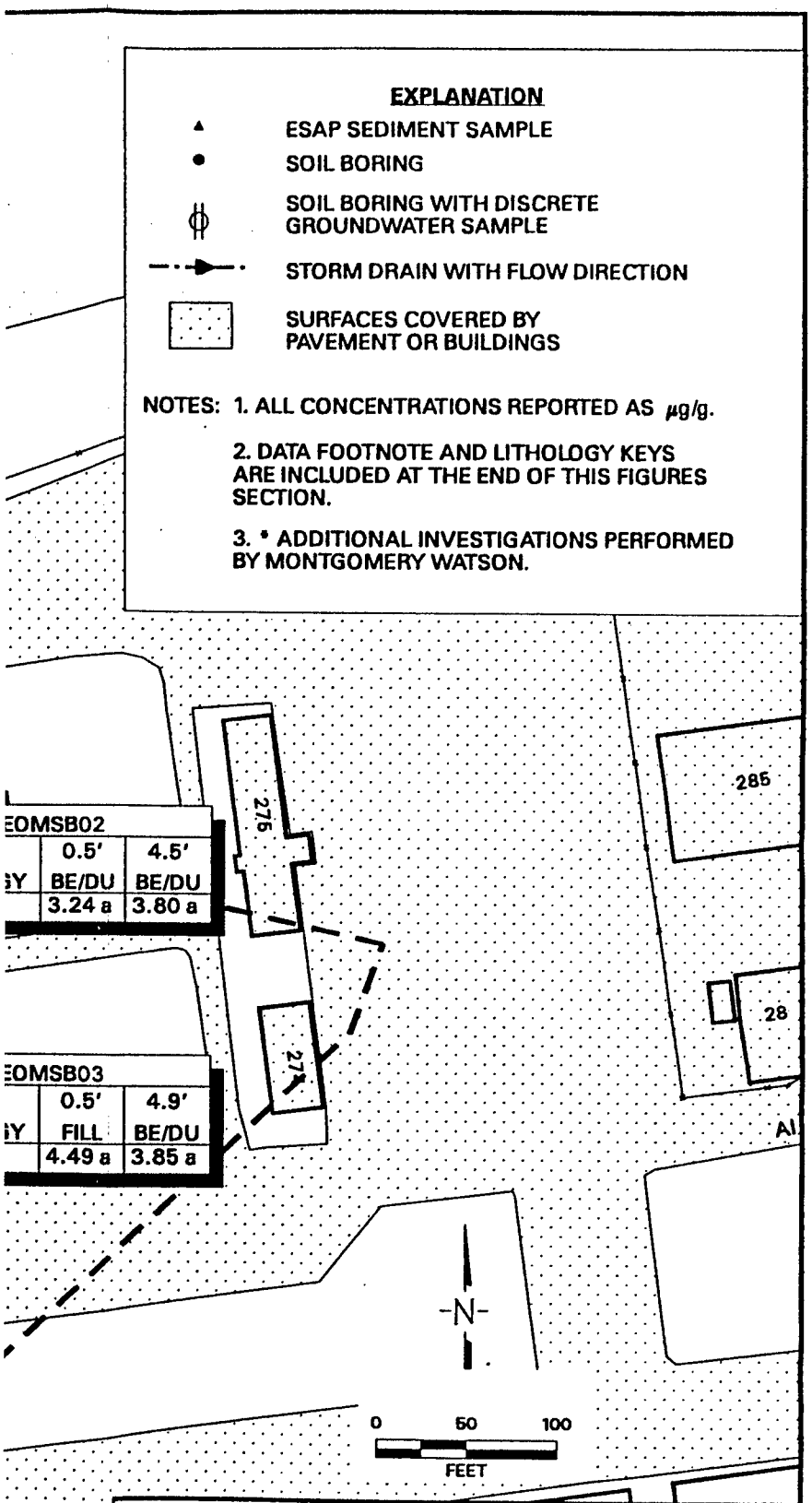

DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26477

Date: January 1997

Figure 14.7-3

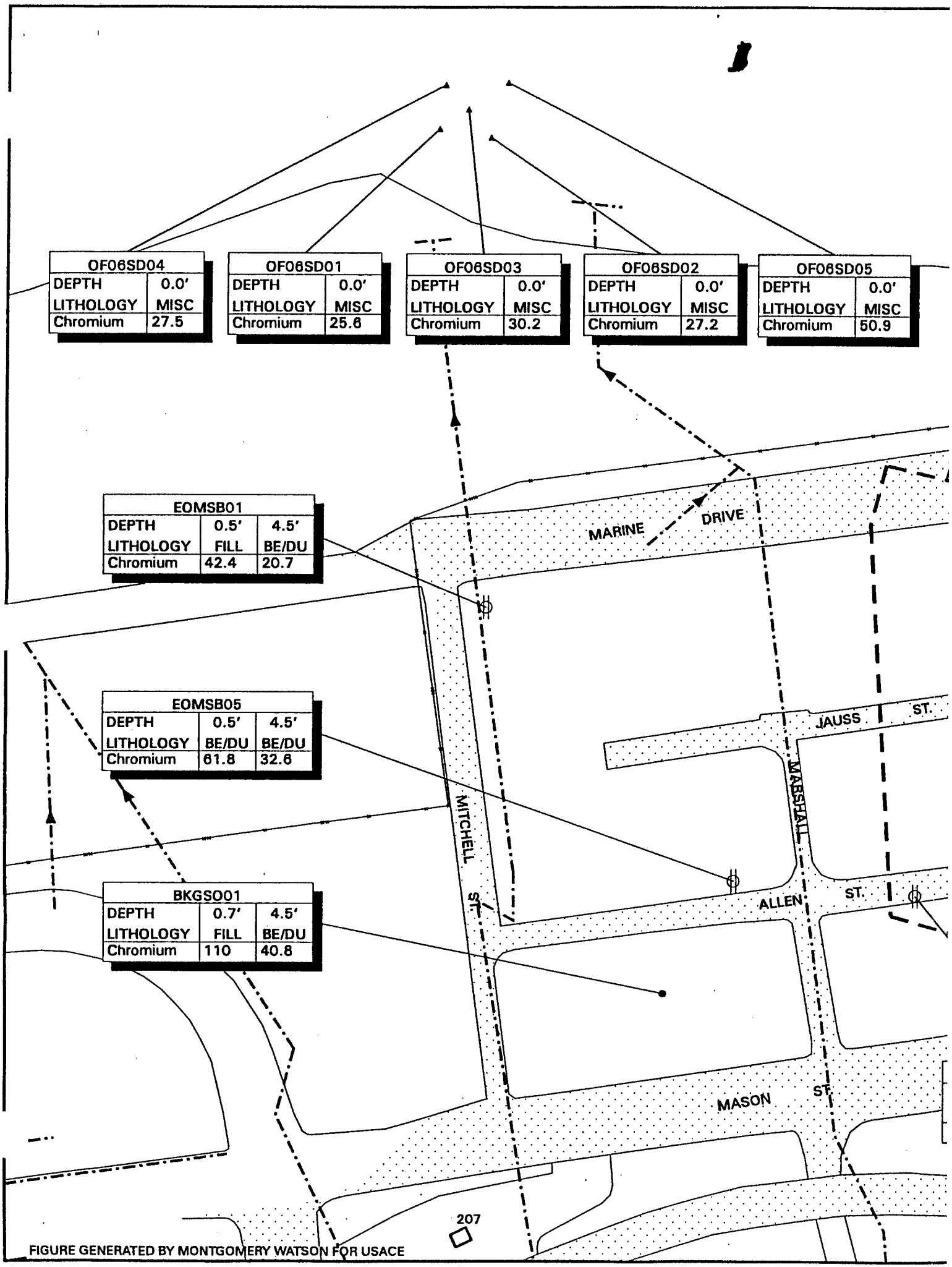

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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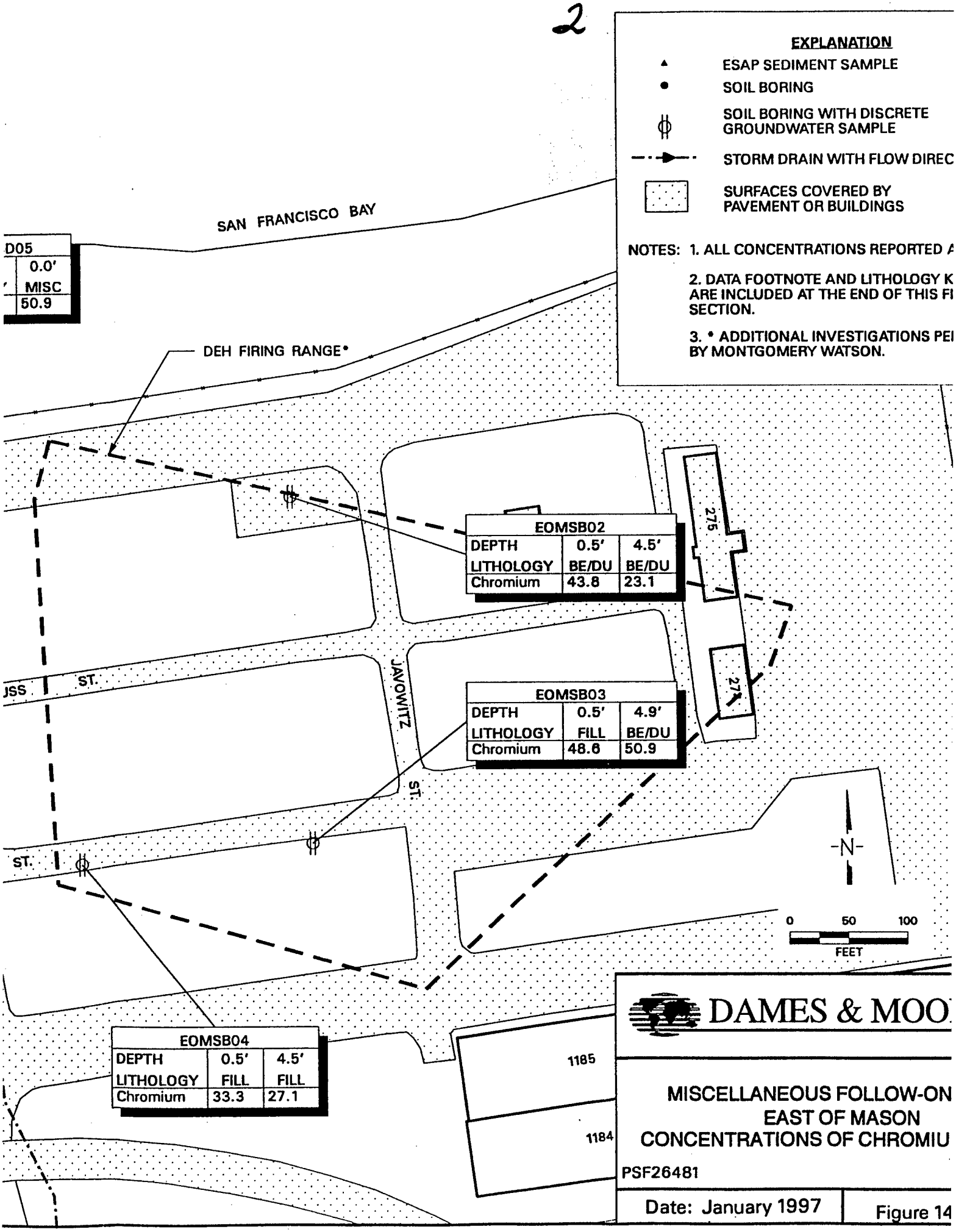


DAMES & MOO

MISCELLANEOUS FOLLOW-ON
EAST OF MASON
CONCENTRATIONS OF CHROMIU

PSF26481

Date: January 1997

Figure 14

3

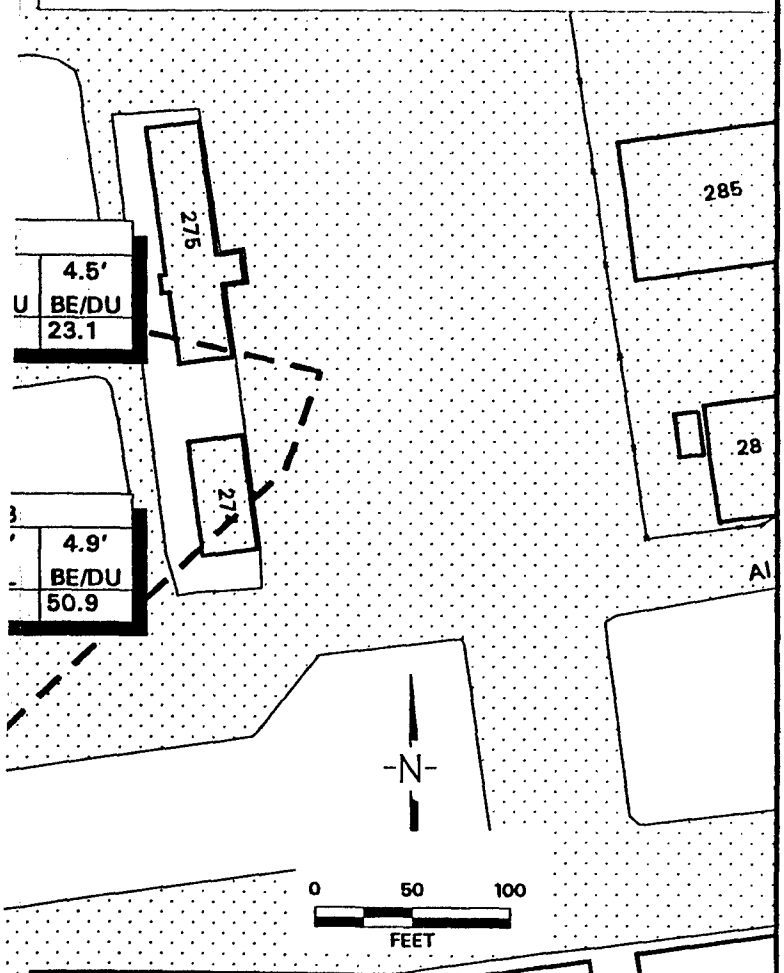
EXPLANATION

- ESAP SEDIMENT SAMPLE
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



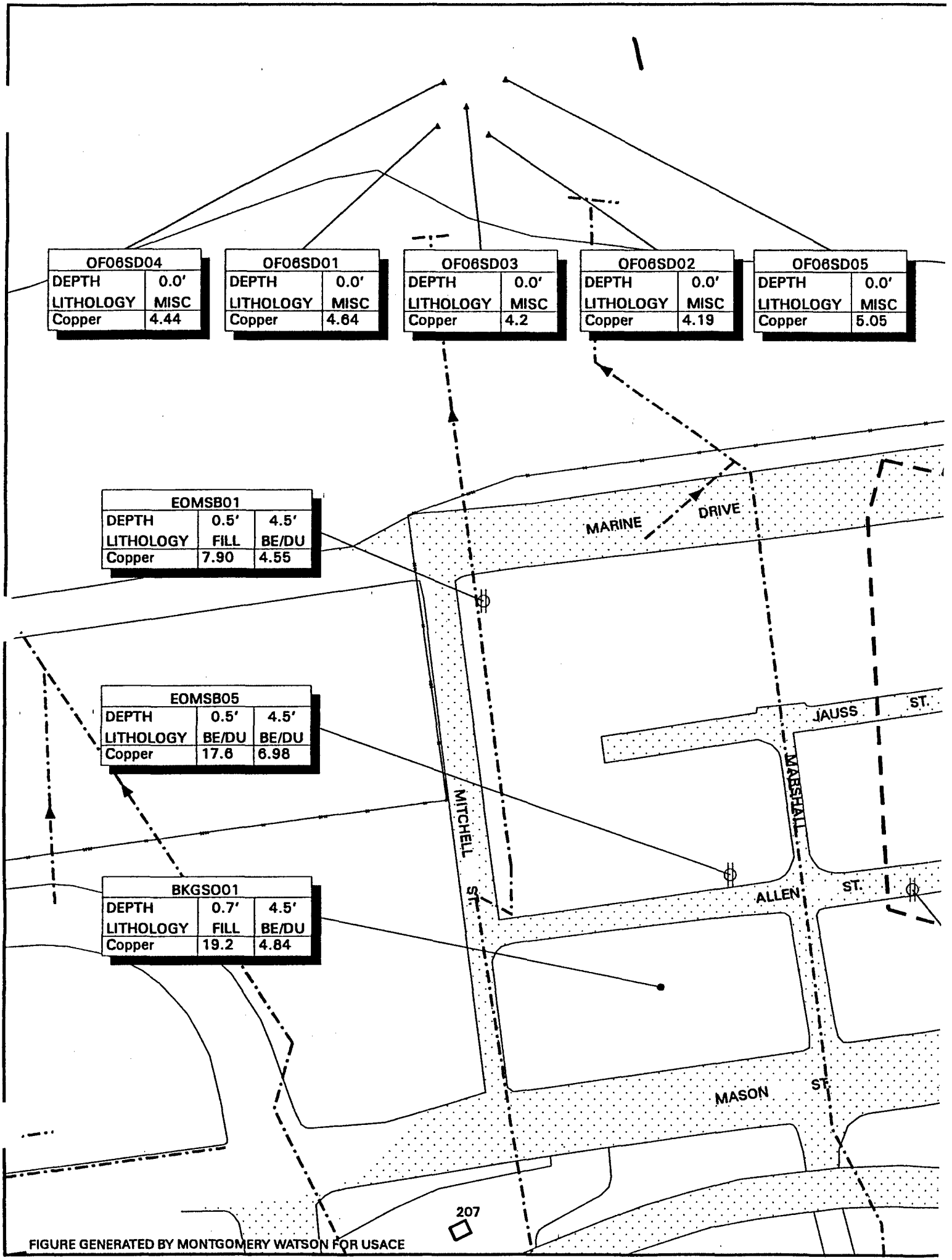
DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26481

Date: January 1997

Figure 14.7-4



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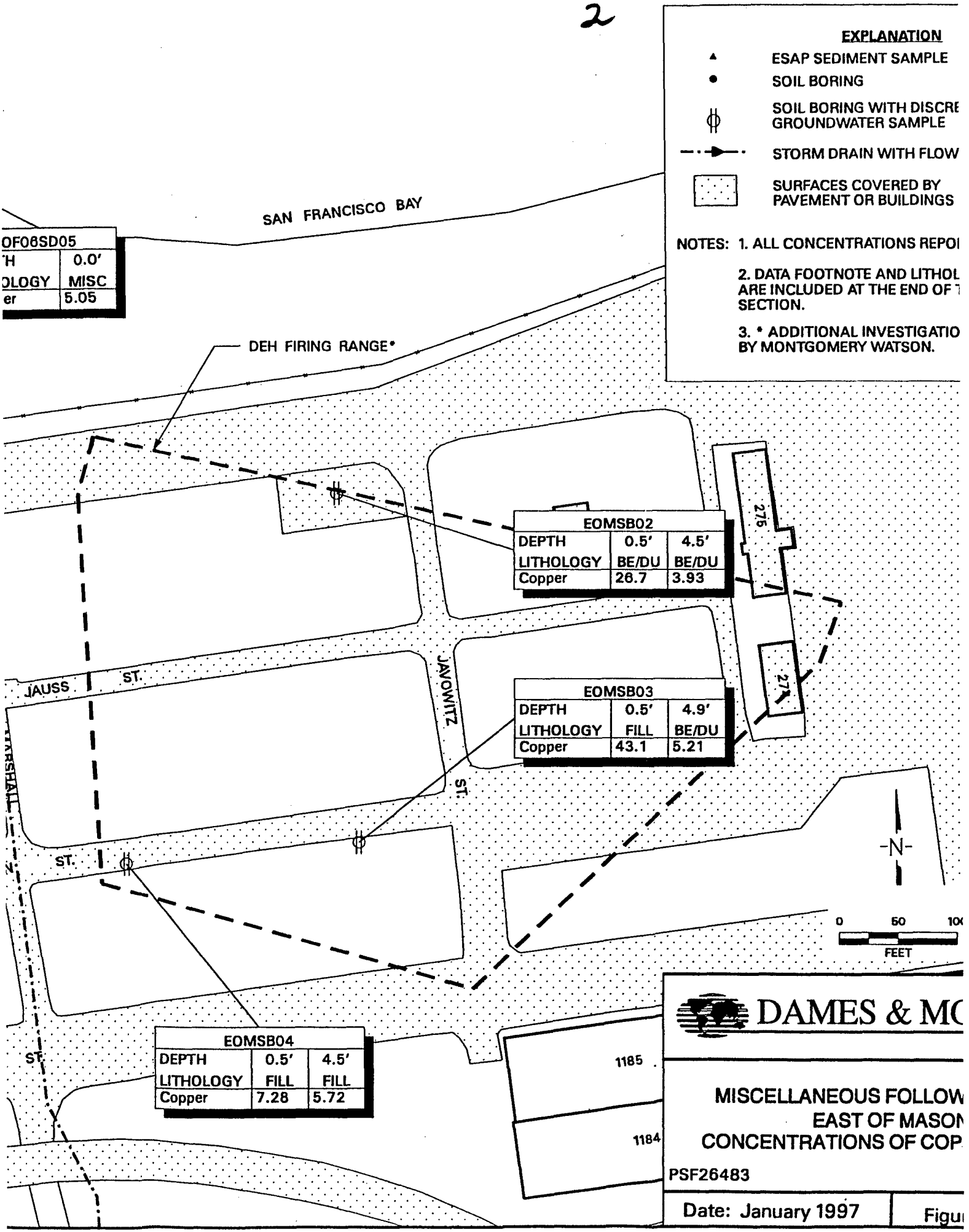
EXPLANATION
ESAP SEDIMENT SAMPLE
SOIL BORING
SOIL BORING WITH DISCRE GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTES: 1. ALL CONCENTRATIONS REPOI
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF SECTION.
3. * ADDITIONAL INVESTIGATIO BY MONTGOMERY WATSON.
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LITHOLOGY BE/DU BE/DU
Copper 26.7 3.93
EOMSB03
DEPTH 0.5' 4.9'
LITHOLOGY FILL BE/DU
Copper 43.1 5.21
EOMSB04
DEPTH 0.5' 4.5'
LITHOLOGY FILL FILL
Copper 7.28 5.72
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JAVOWITZ ST.
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EAST OF MASON
CONCENTRATIONS OF COP
PSF26483
Date: January 1997
Figu

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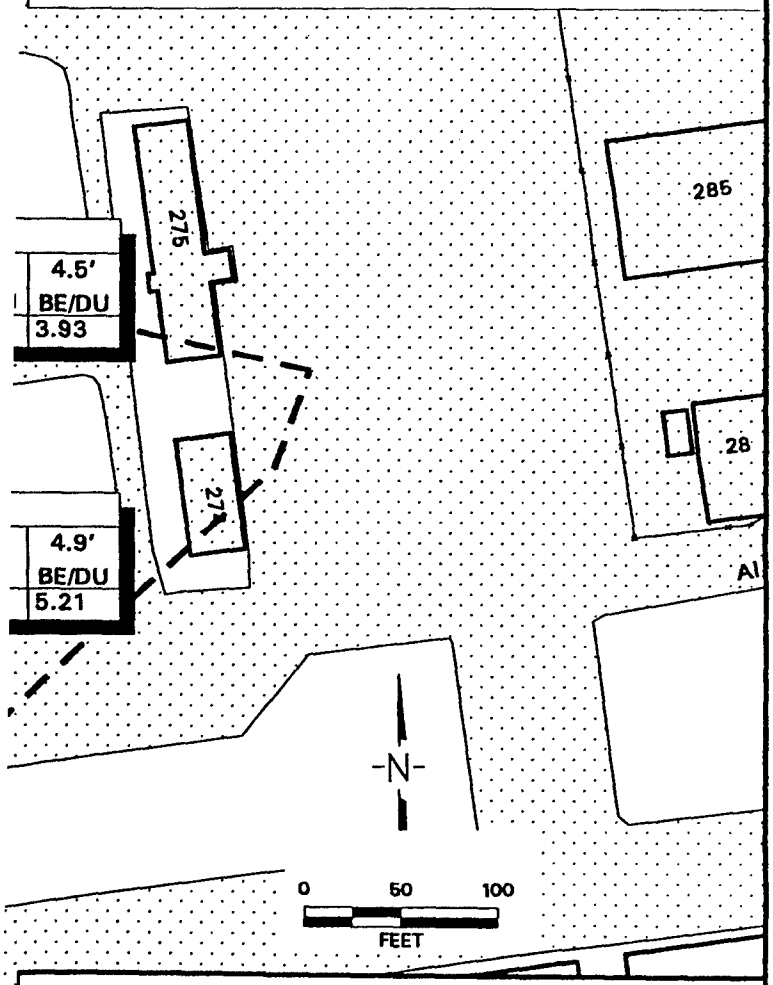
EXPLANATION

- ESAP SEDIMENT SAMPLE
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF COPPER IN SOIL

PSF26483

Date: January 1997

Figure 14.7-5

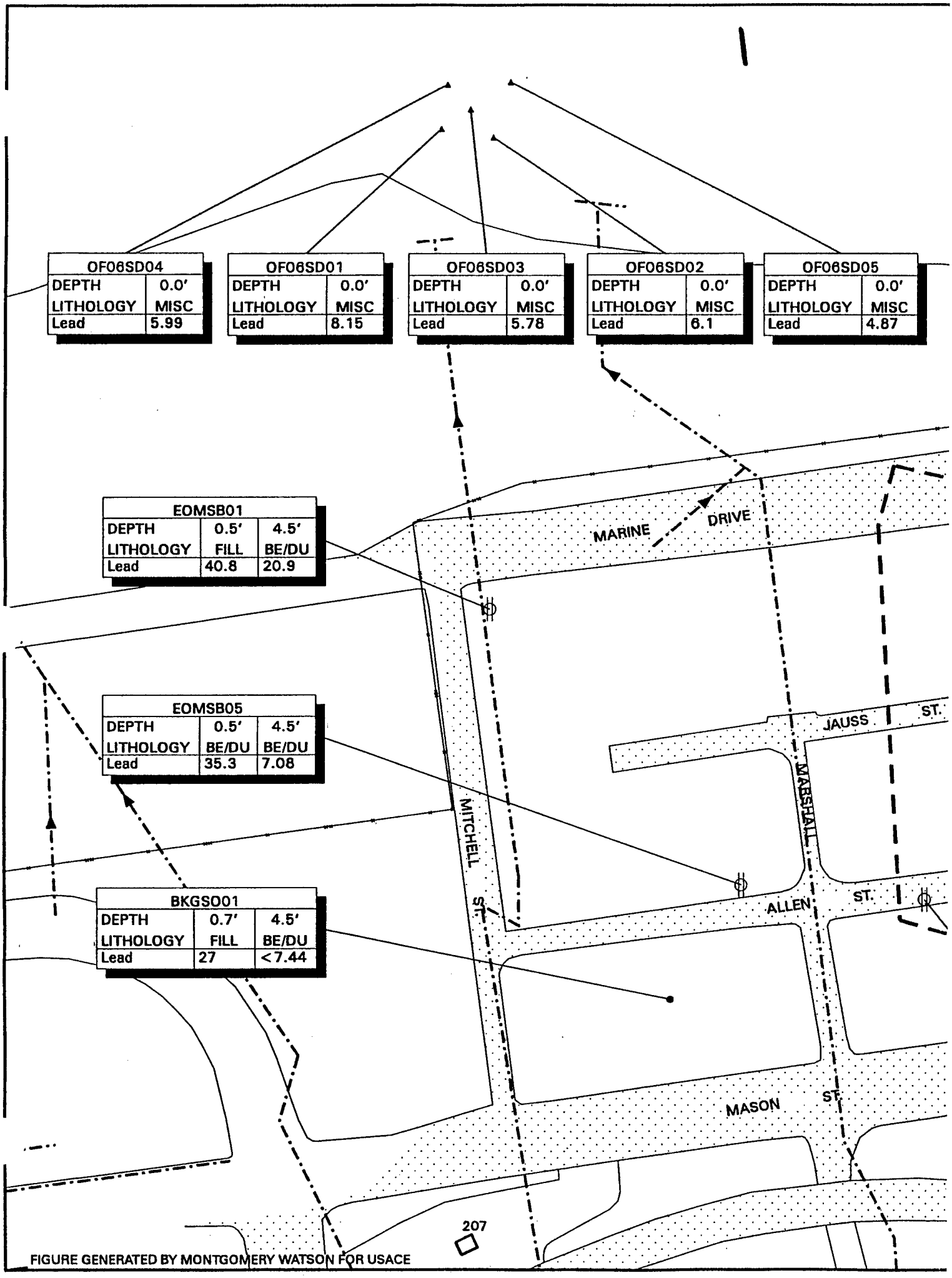


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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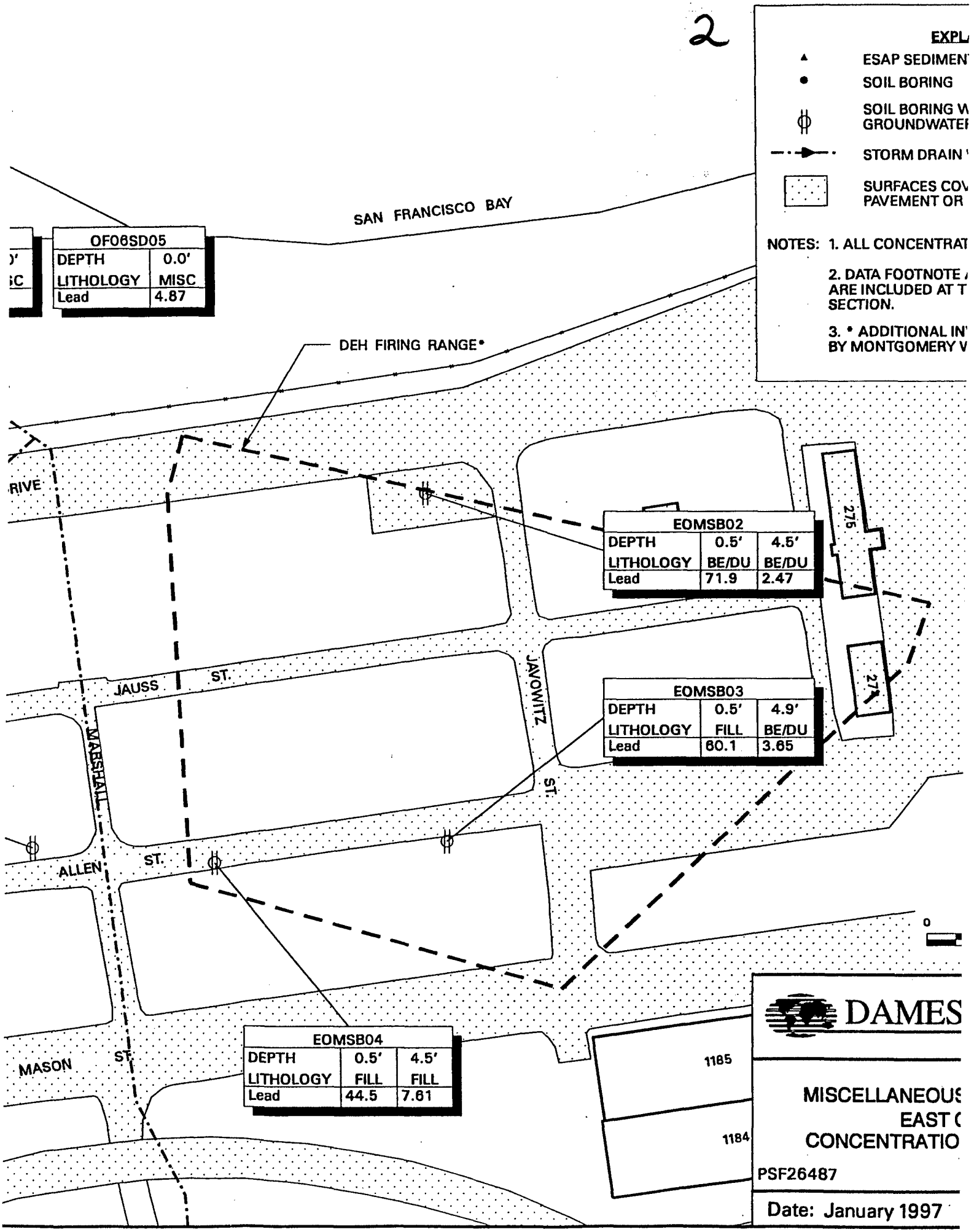
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NOTES: 1. ALL CONCENTRAT
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SAN FRANCISCO BAY
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DEPTH 0.0'
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Lead 4.87
DEH FIRING RANGE*
EOMSB02
DEPTH 0.5' 4.5'
LITHOLOGY BE/DU BE/DU
Lead 71.9 2.47
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DEPTH 0.5' 4.9'
LITHOLOGY FILL BE/DU
Lead 60.1 3.65
EOMSB04
DEPTH 0.5' 4.5'
LITHOLOGY FILL FILL
Lead 44.5 7.61
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ALLEN ST.
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EAST
CONCENTRATIO
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Date: January 1997

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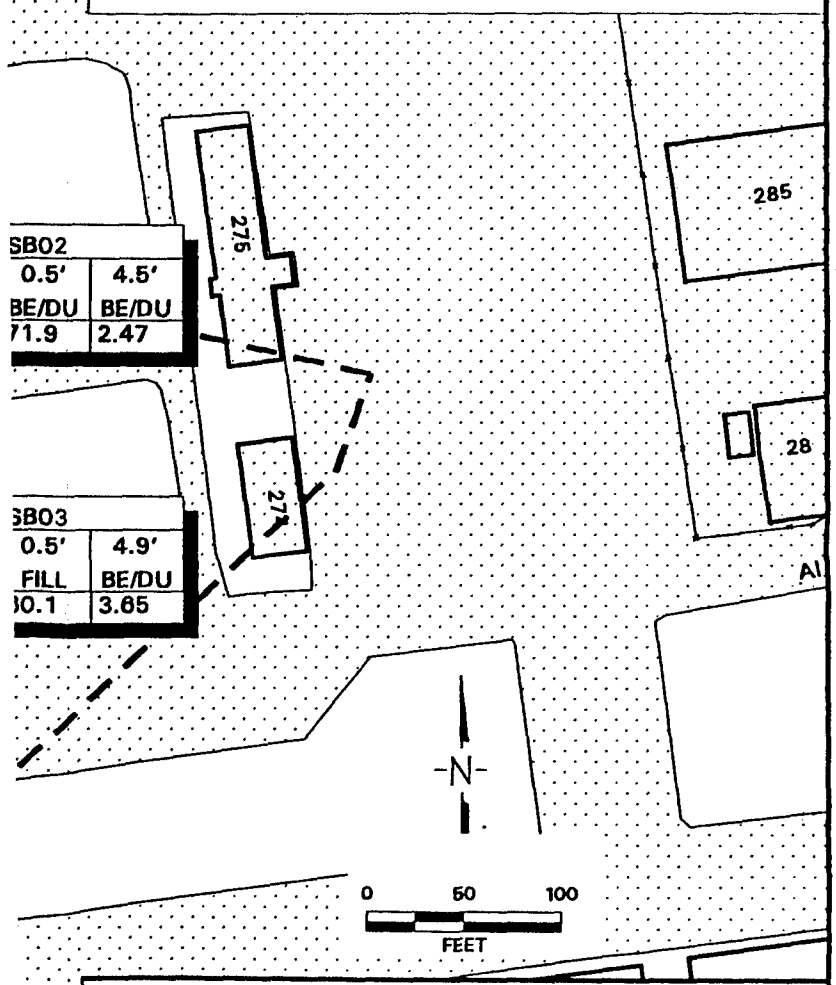
EXPLANATION

- ESAP SEDIMENT SAMPLE
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF LEAD IN SOIL

PSF26487

Date: January 1997

Figure 14.7-6

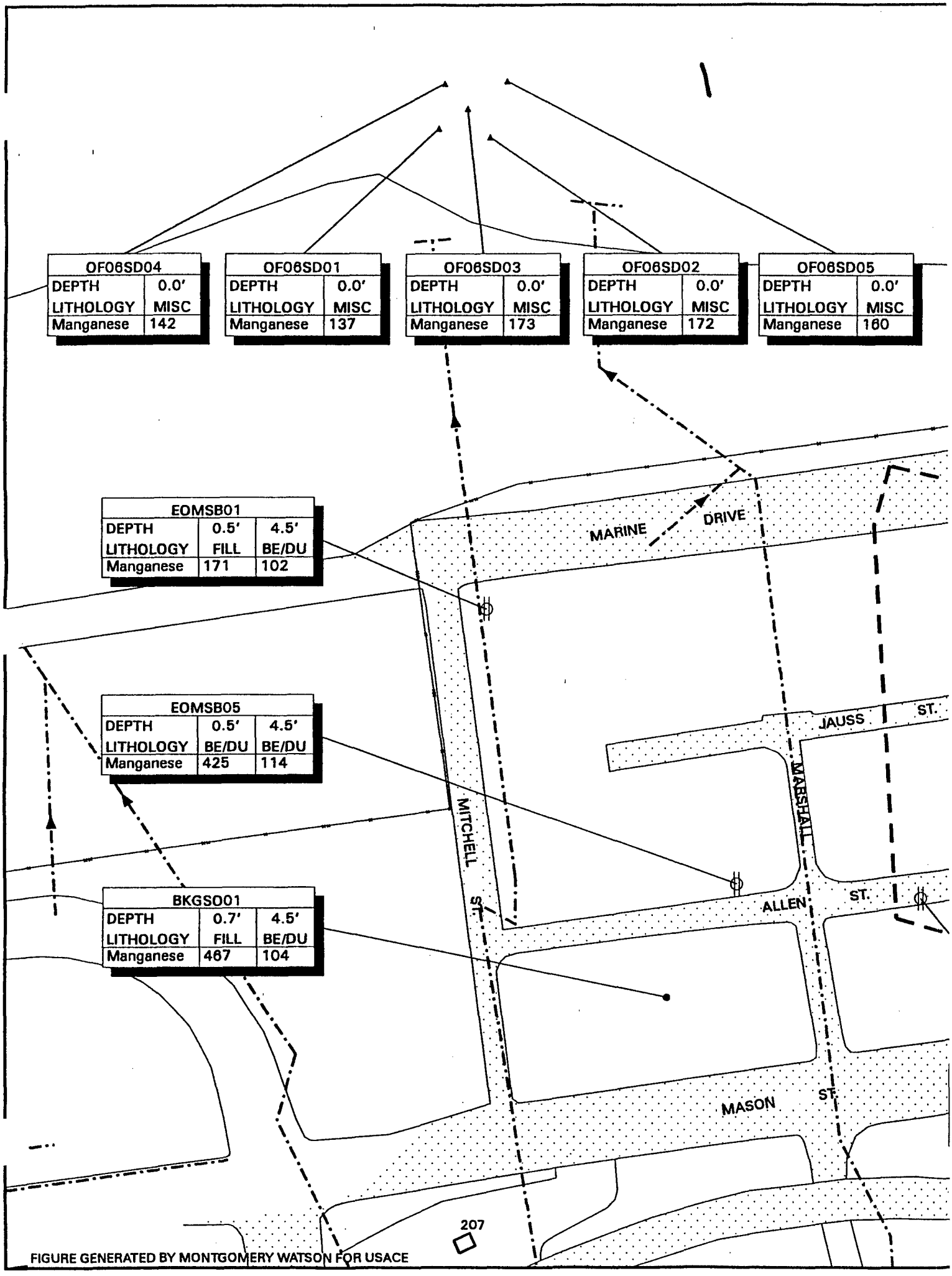


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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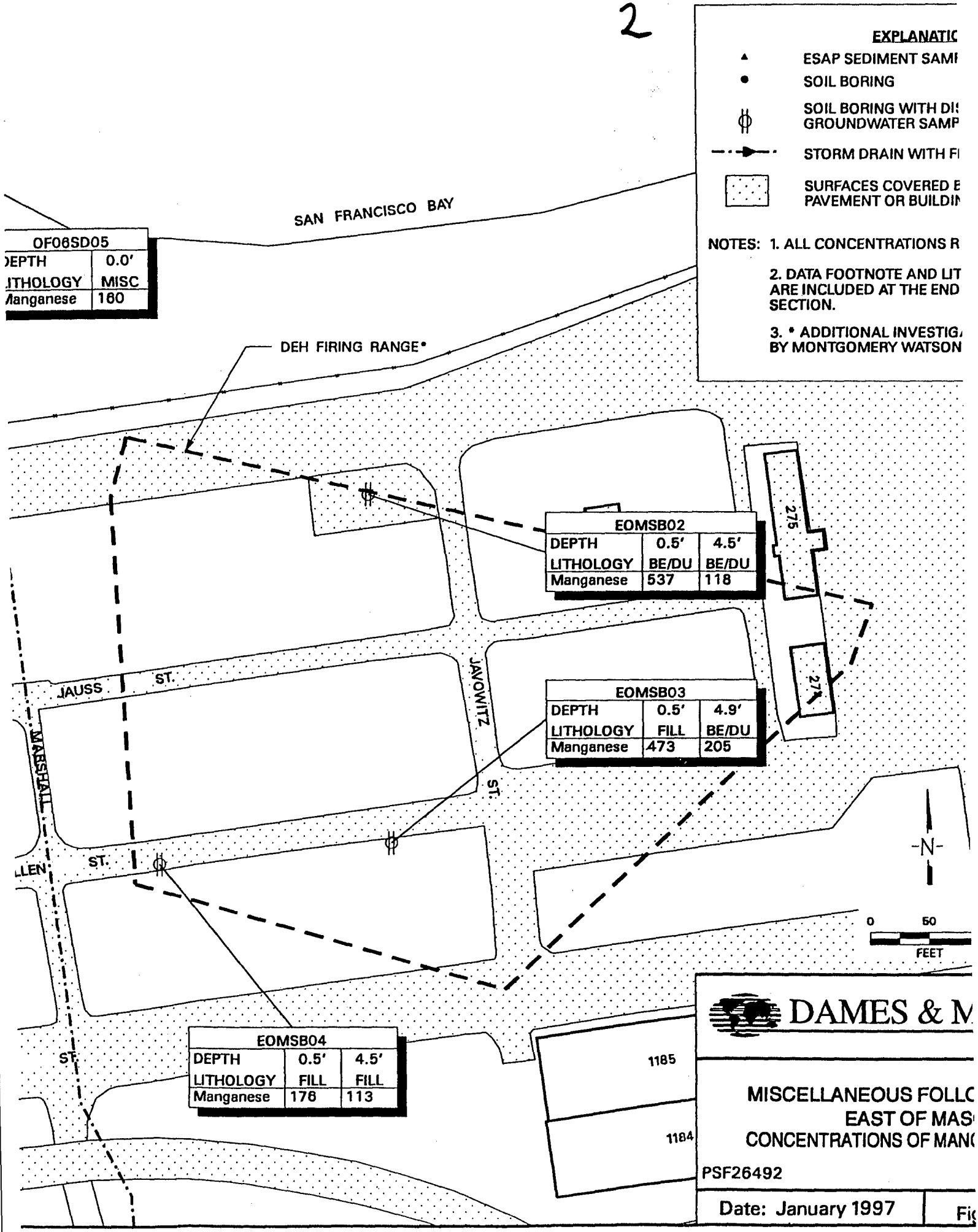

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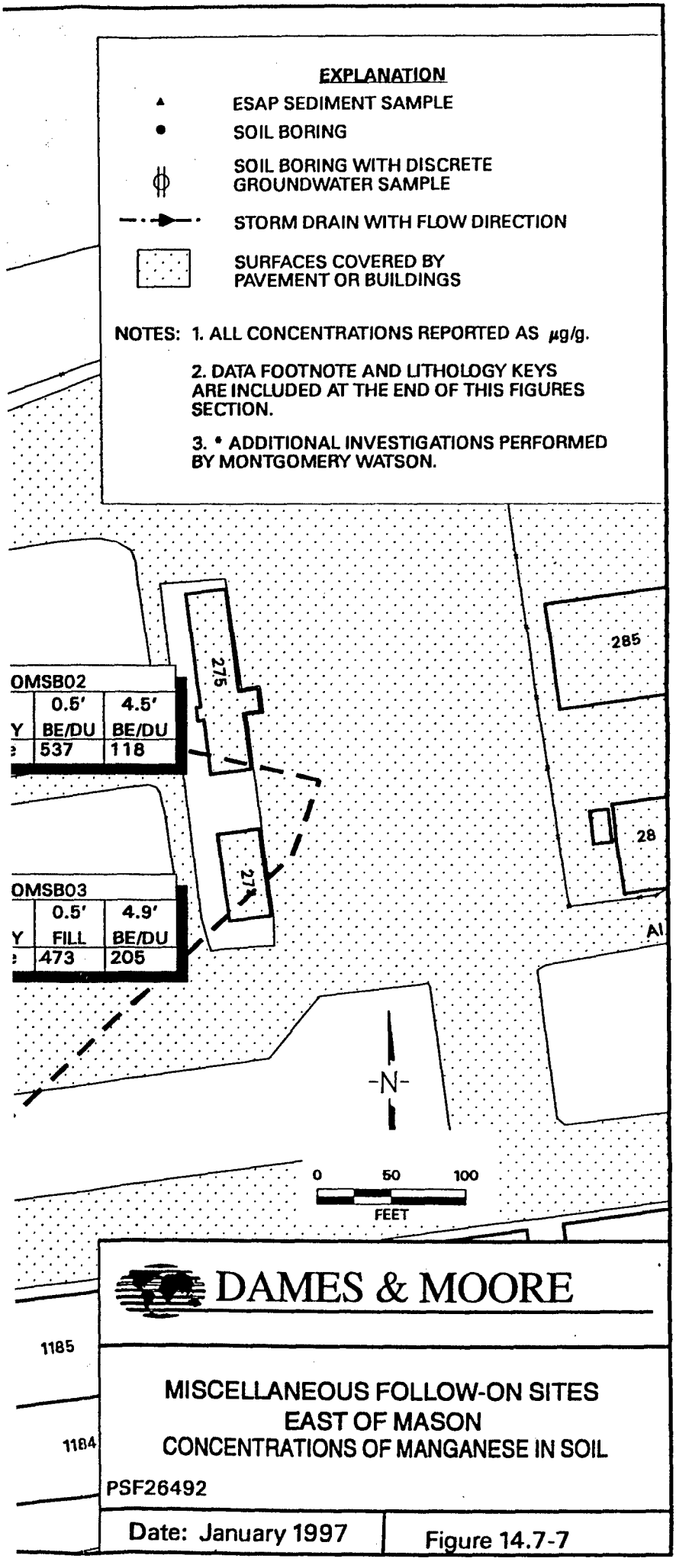
Date: January 1997 | Fi



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26492

Date: January 1997

Figure 14.7-7

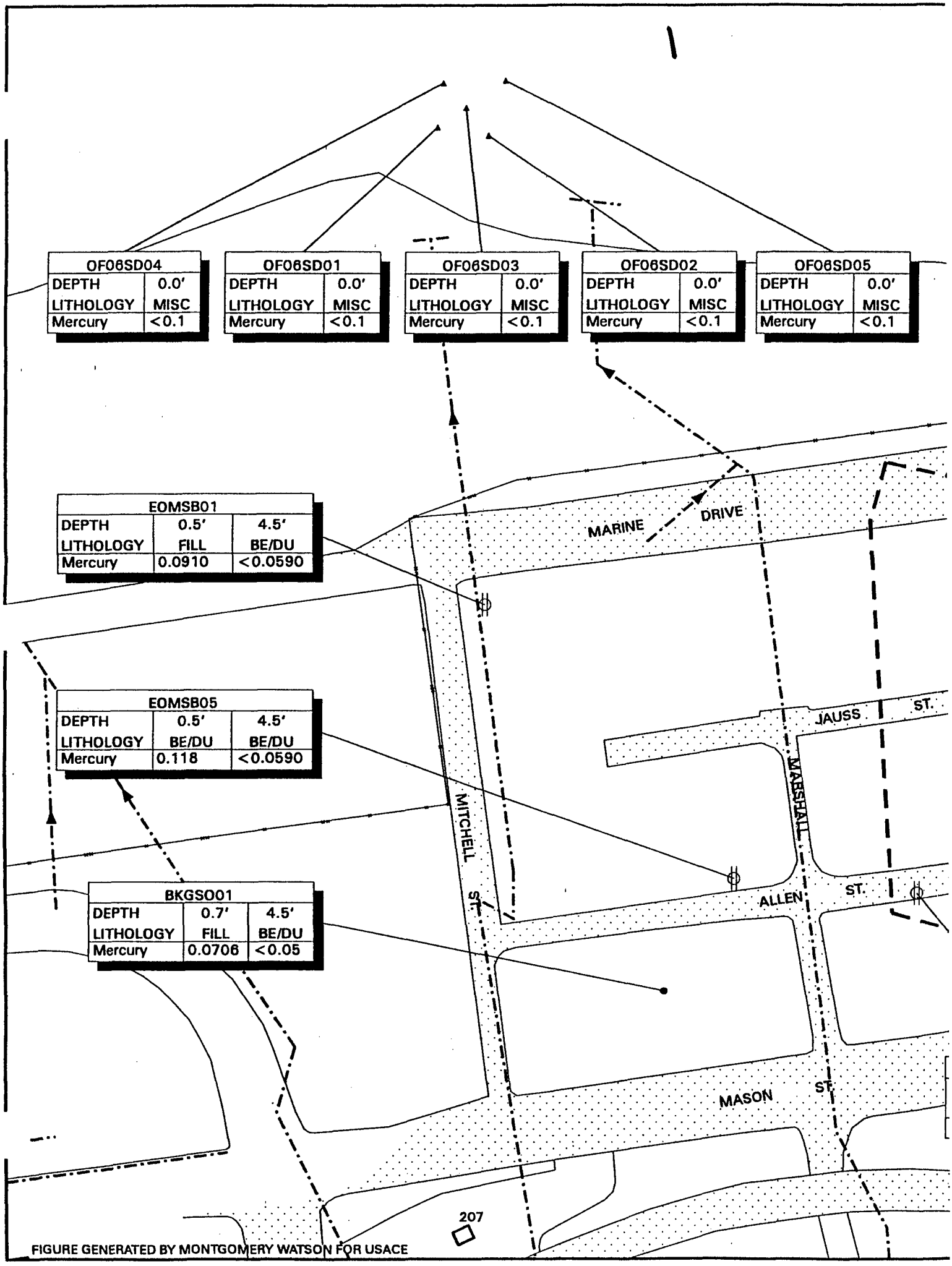


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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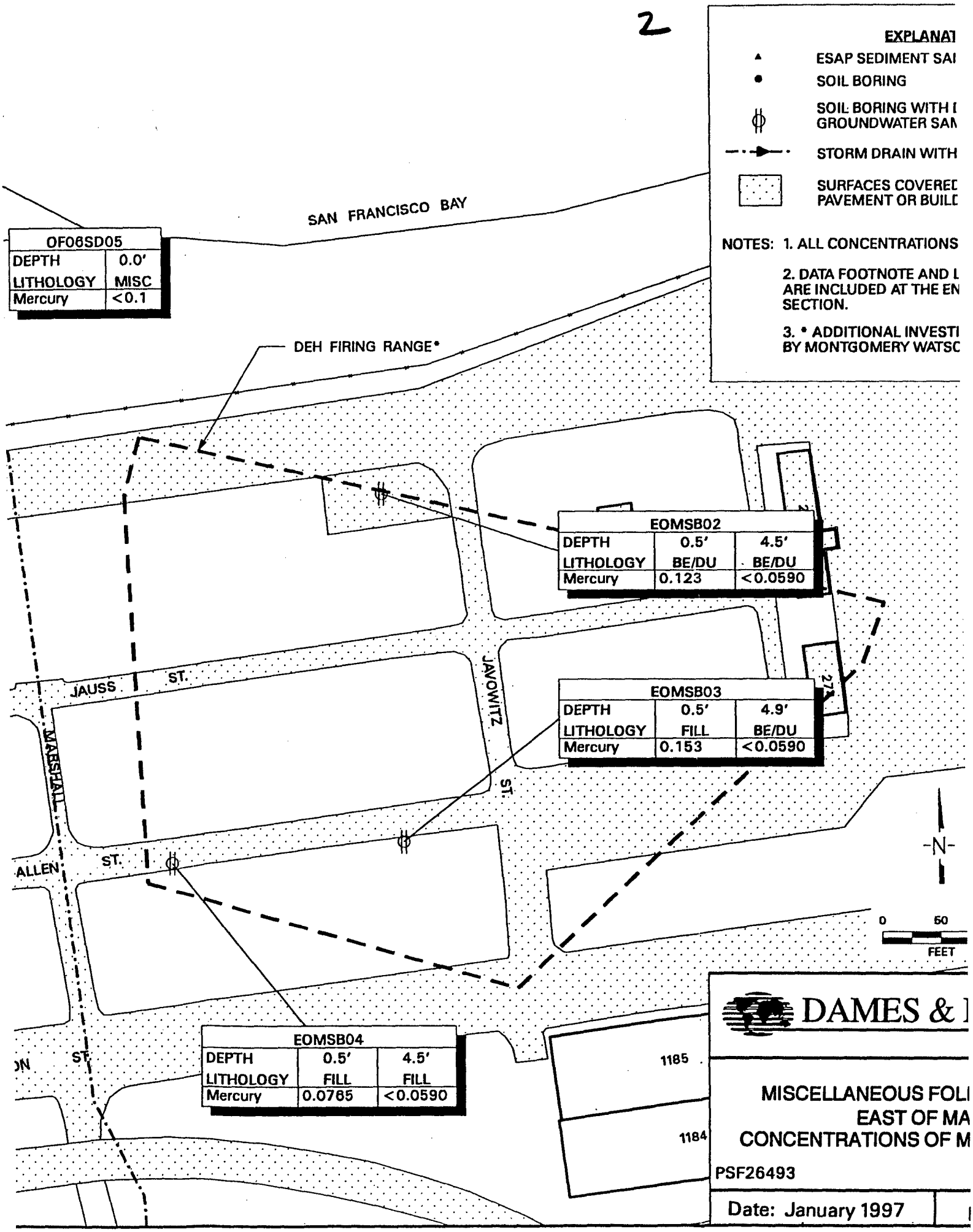
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NOTES: 1. ALL CONCENTRATIONS
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LITHOLOGY BE/DU BE/DU
Mercury 0.123 <0.0590
EOMSB03
DEPTH 0.5' 4.9'
LITHOLOGY FILL BE/DU
Mercury 0.153 <0.0590
JAUSS ST.
JAVOWITZ ST.
MARSHALL
ALLEN ST.
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PSF26493
Date: January 1997

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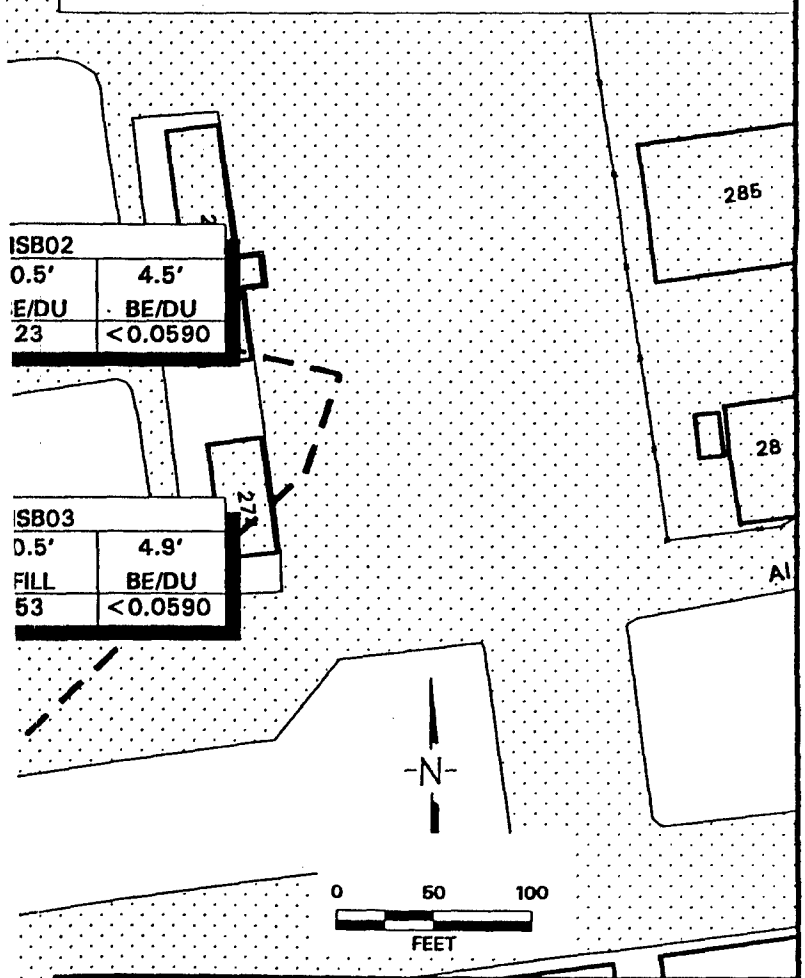
EXPLANATION

- ESAP SEDIMENT SAMPLE
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF MERCURY IN SOIL

PSF26493

Date: January 1997

Figure 14.7-8

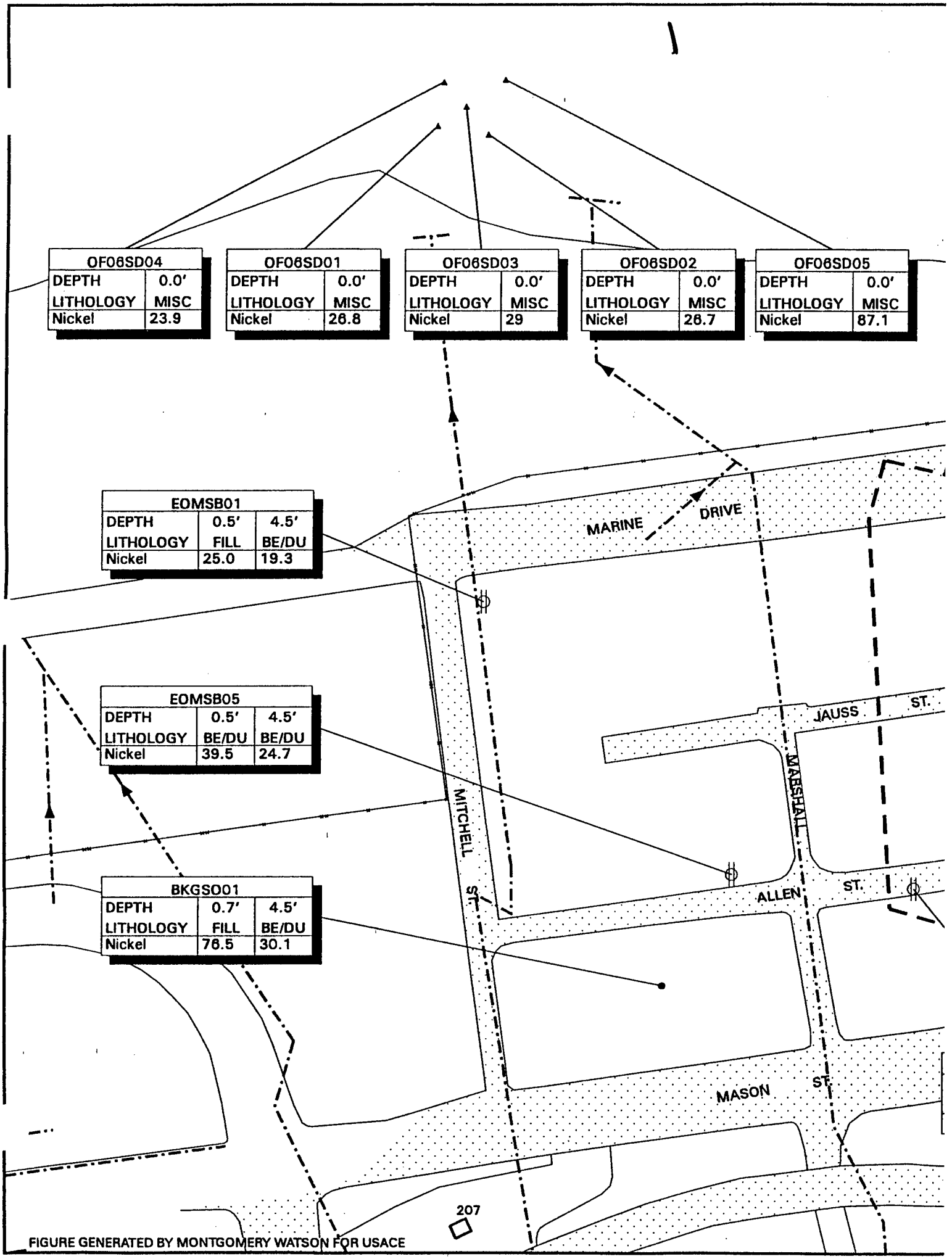


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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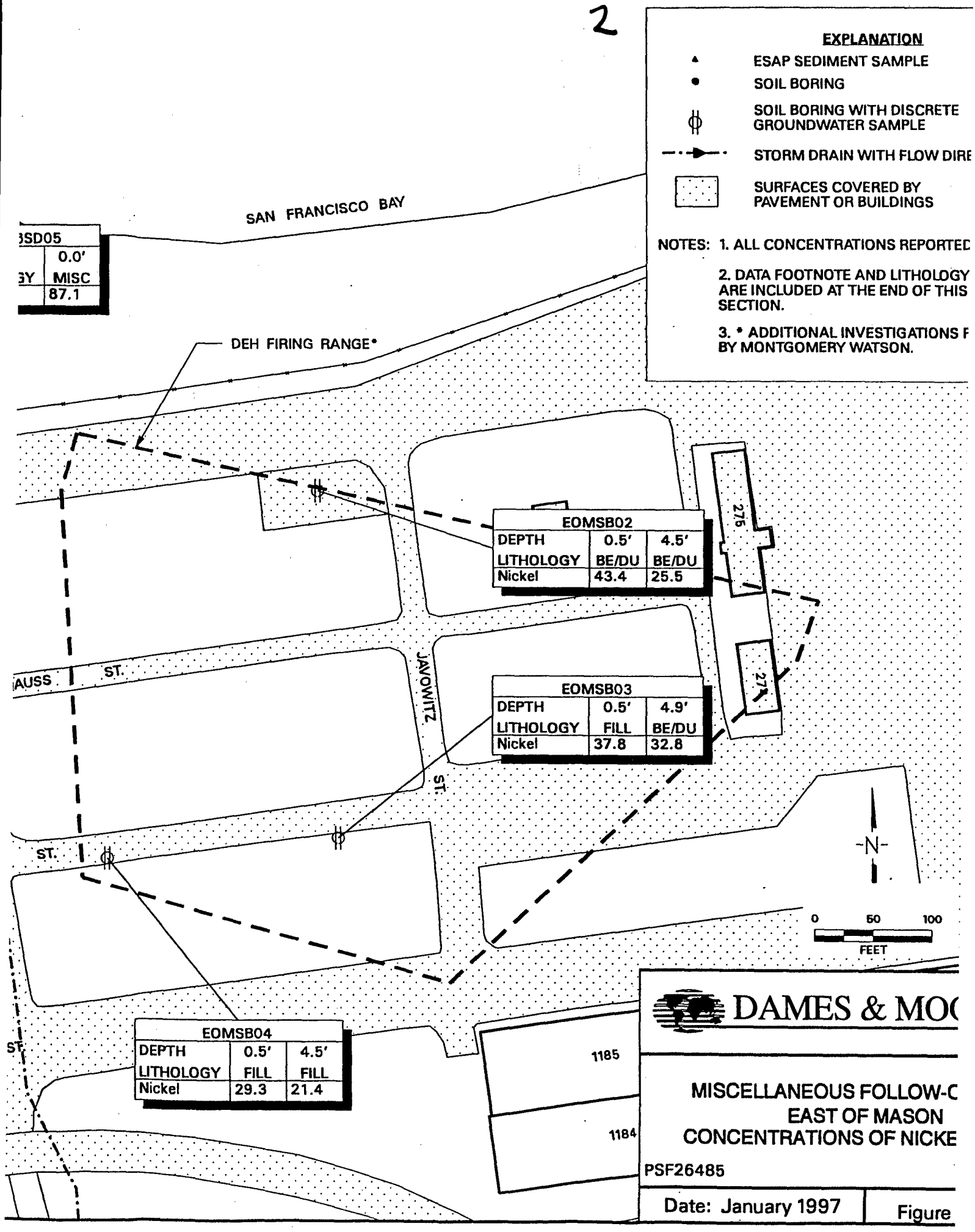

DAMES & MOO

MISCELLANEOUS FOLLOW-C
EAST OF MASON
CONCENTRATIONS OF NICKE

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Date: January 1997 | Figure

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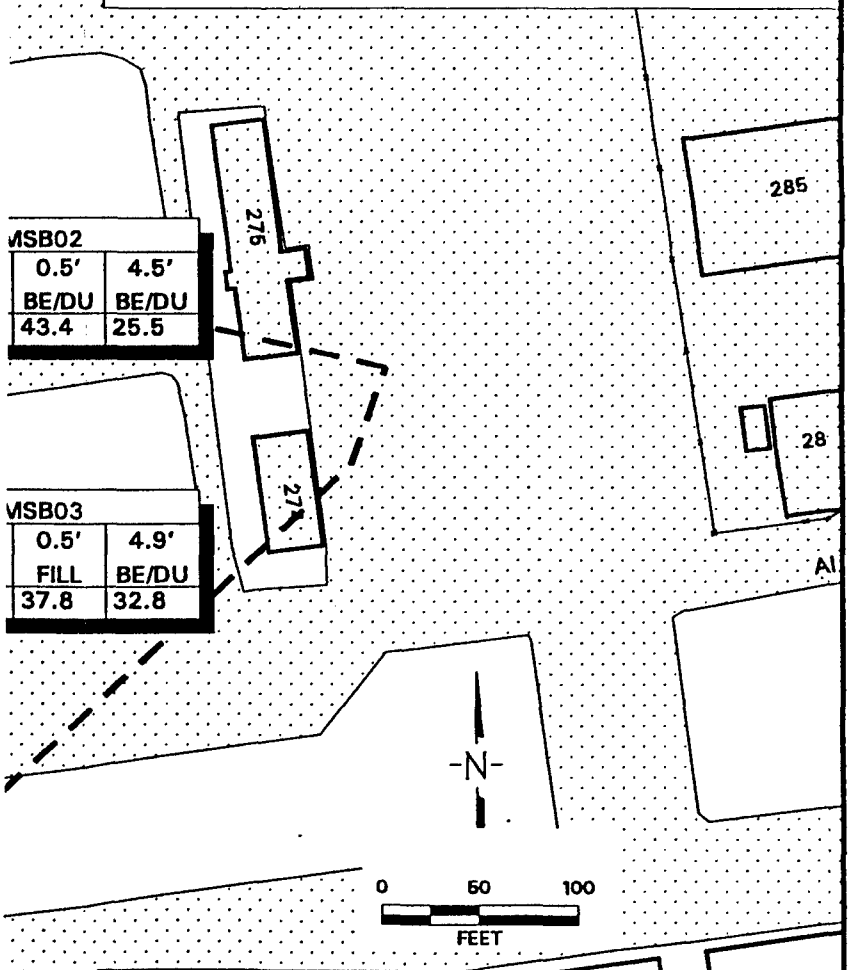
EXPLANATION

- ESAP SEDIMENT SAMPLE
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

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MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF NICKEL IN SOIL

PSF26485

Date: January 1997 | Figure 14.7-9

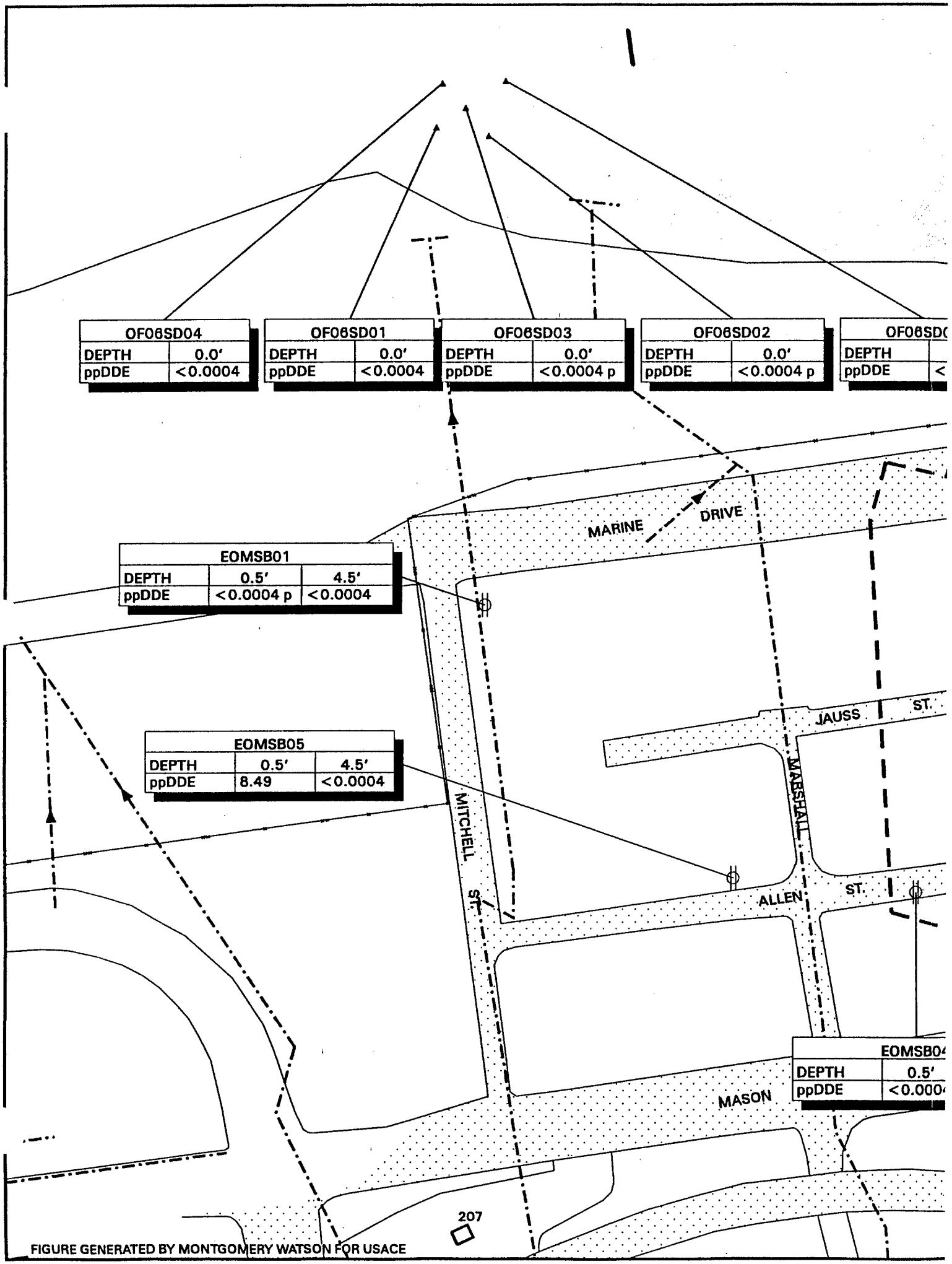

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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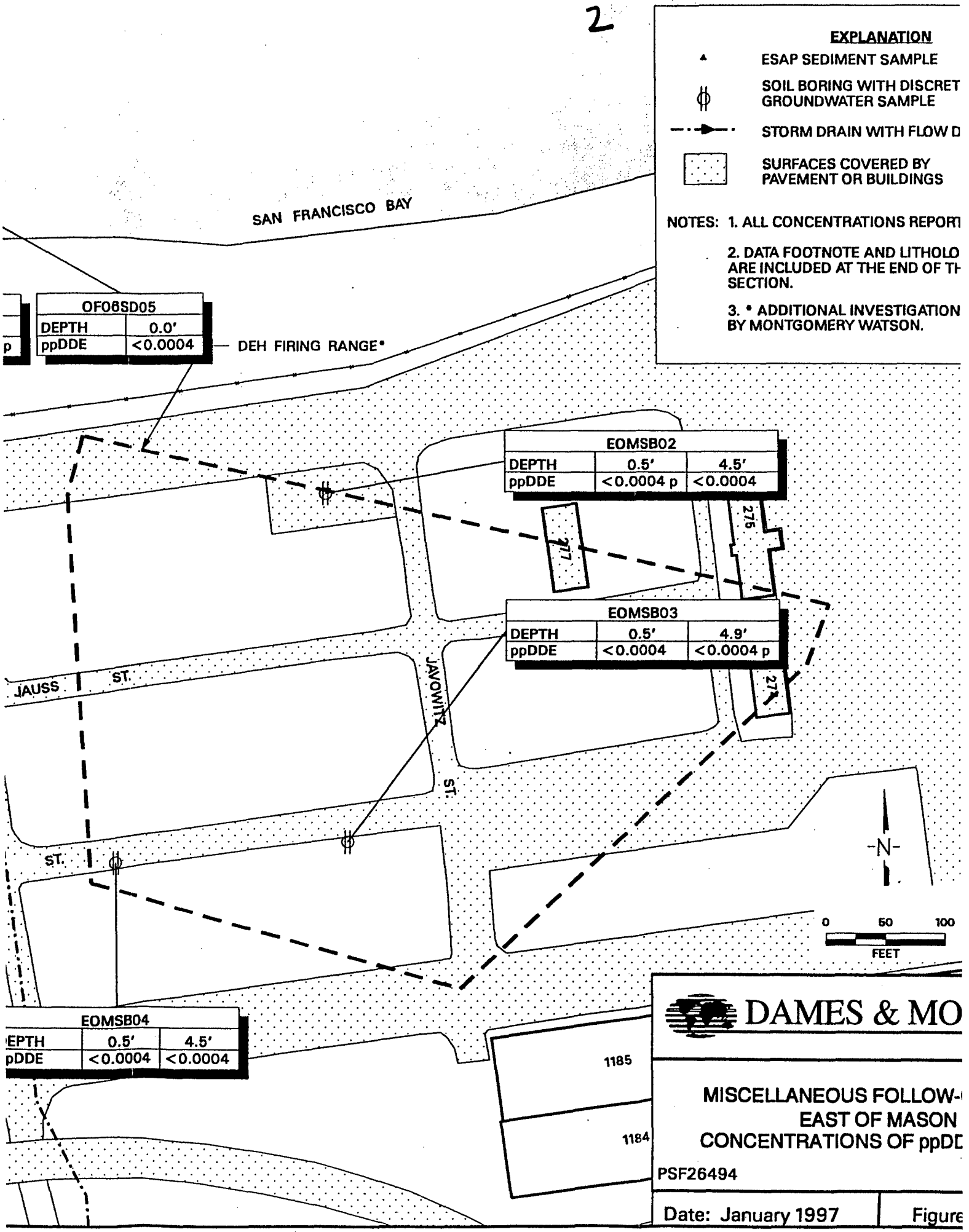
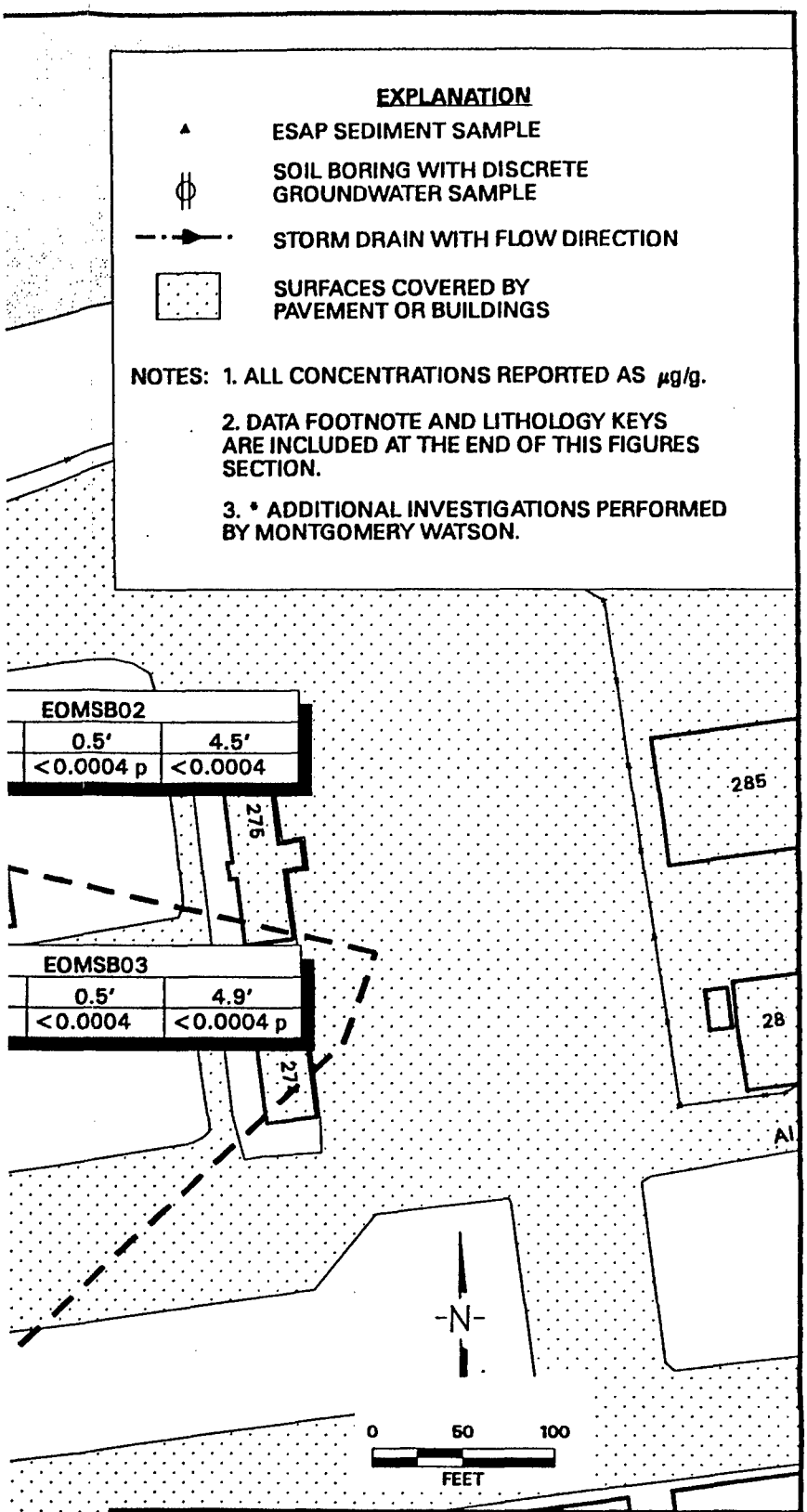


DAMES & MO

MISCELLANEOUS FOLLOW-
EAST OF MASON
CONCENTRATIONS OF ppDD

PSF26494

Date: January 1997 | Figure



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ppDDE IN SOIL

PSF26494

Date: January 1997 | Figure 14.7-10

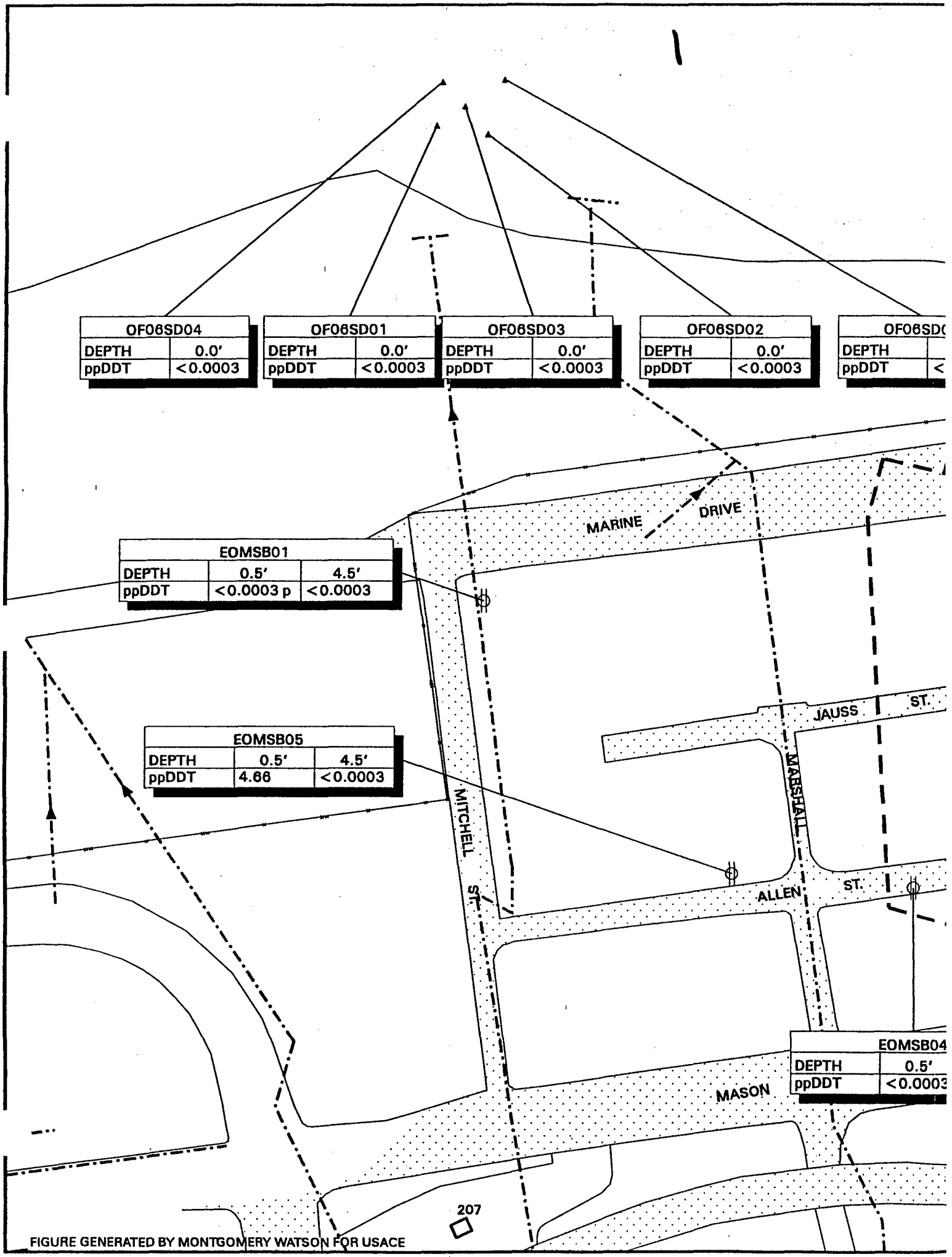


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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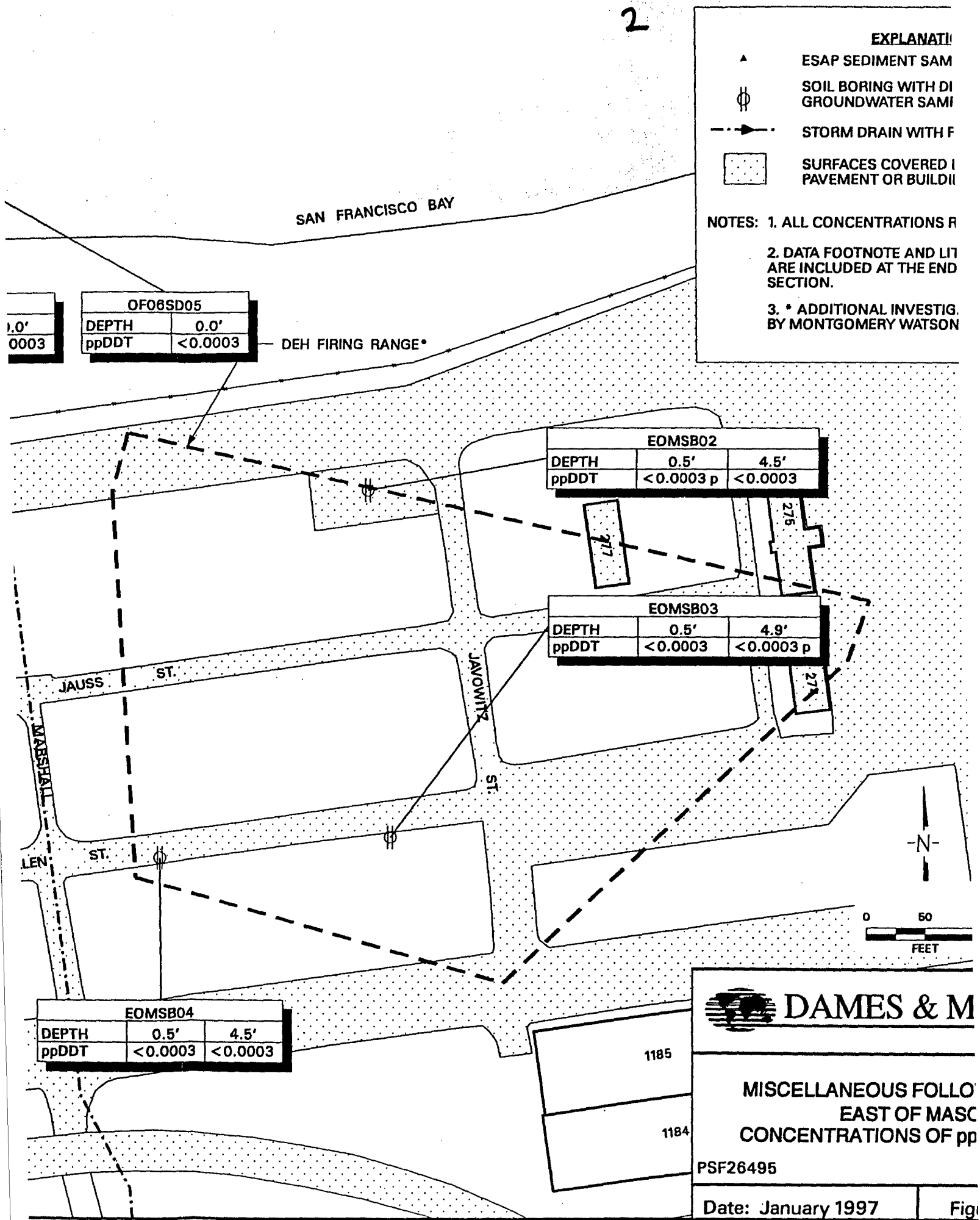

DAMES & M

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CONCENTRATIONS OF pp

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Date: January 1997 | Fig

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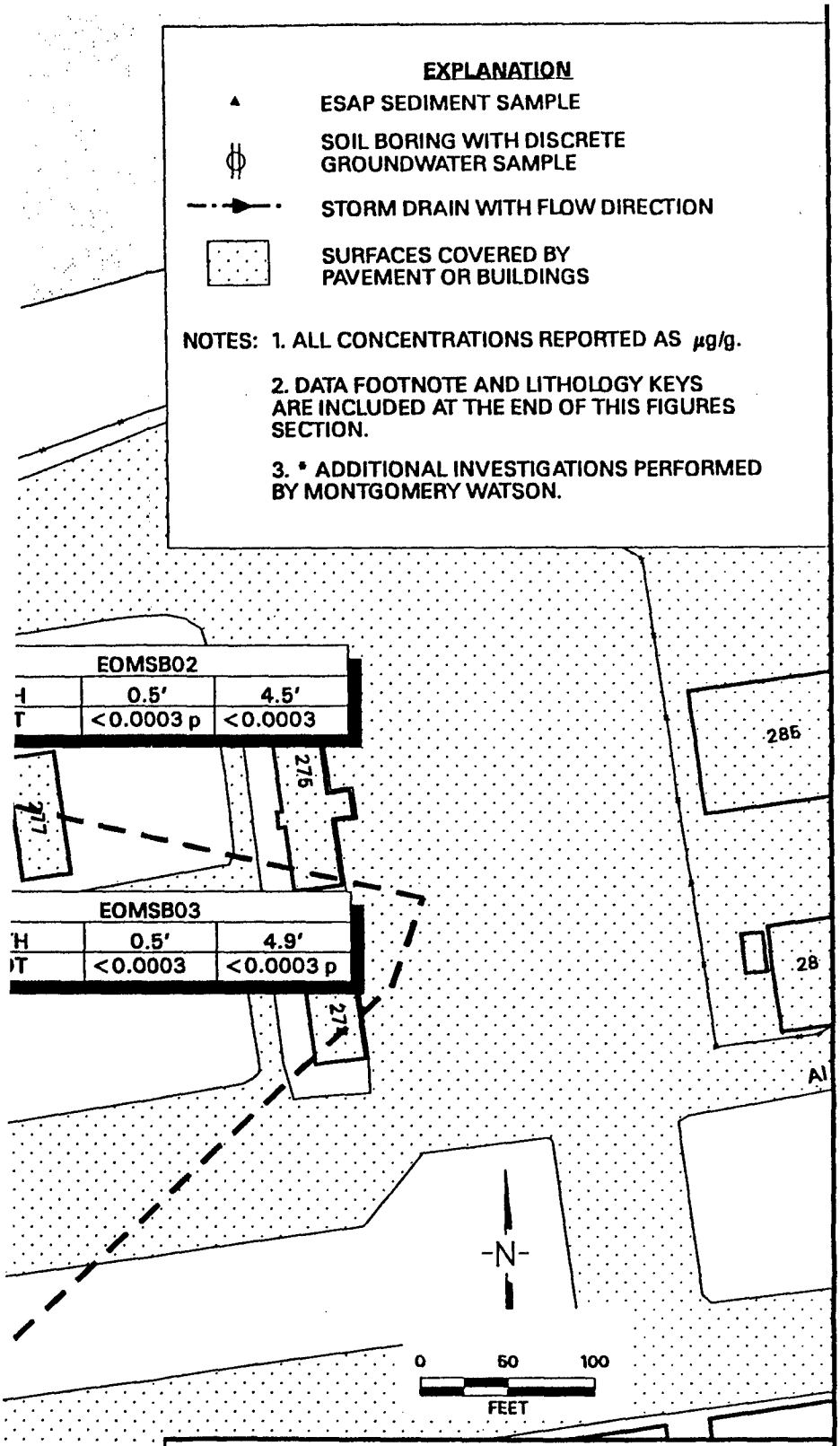
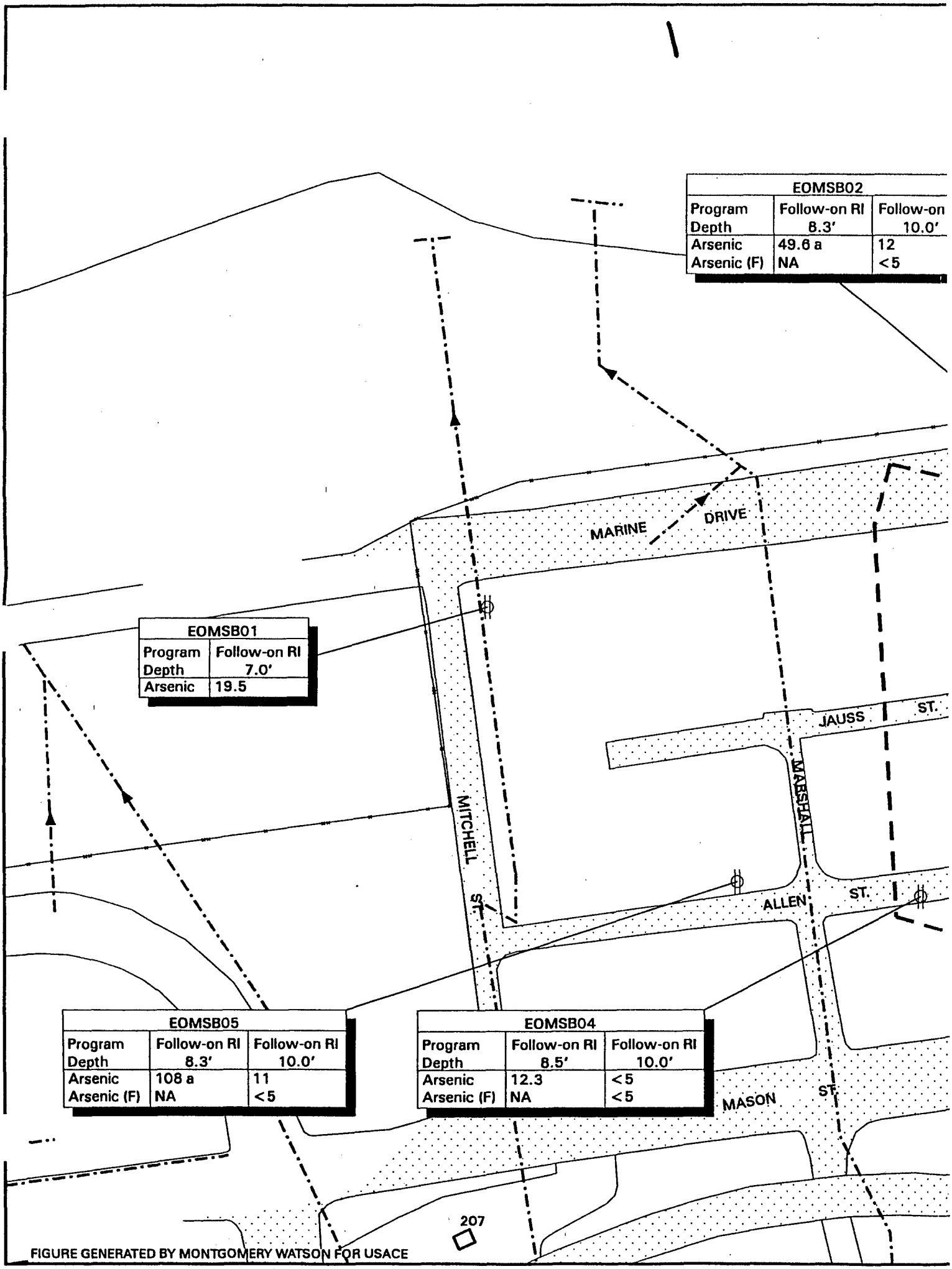


DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ppDDT IN SOIL

PSF26495

Date: January 1997 | Figure 14.7-11



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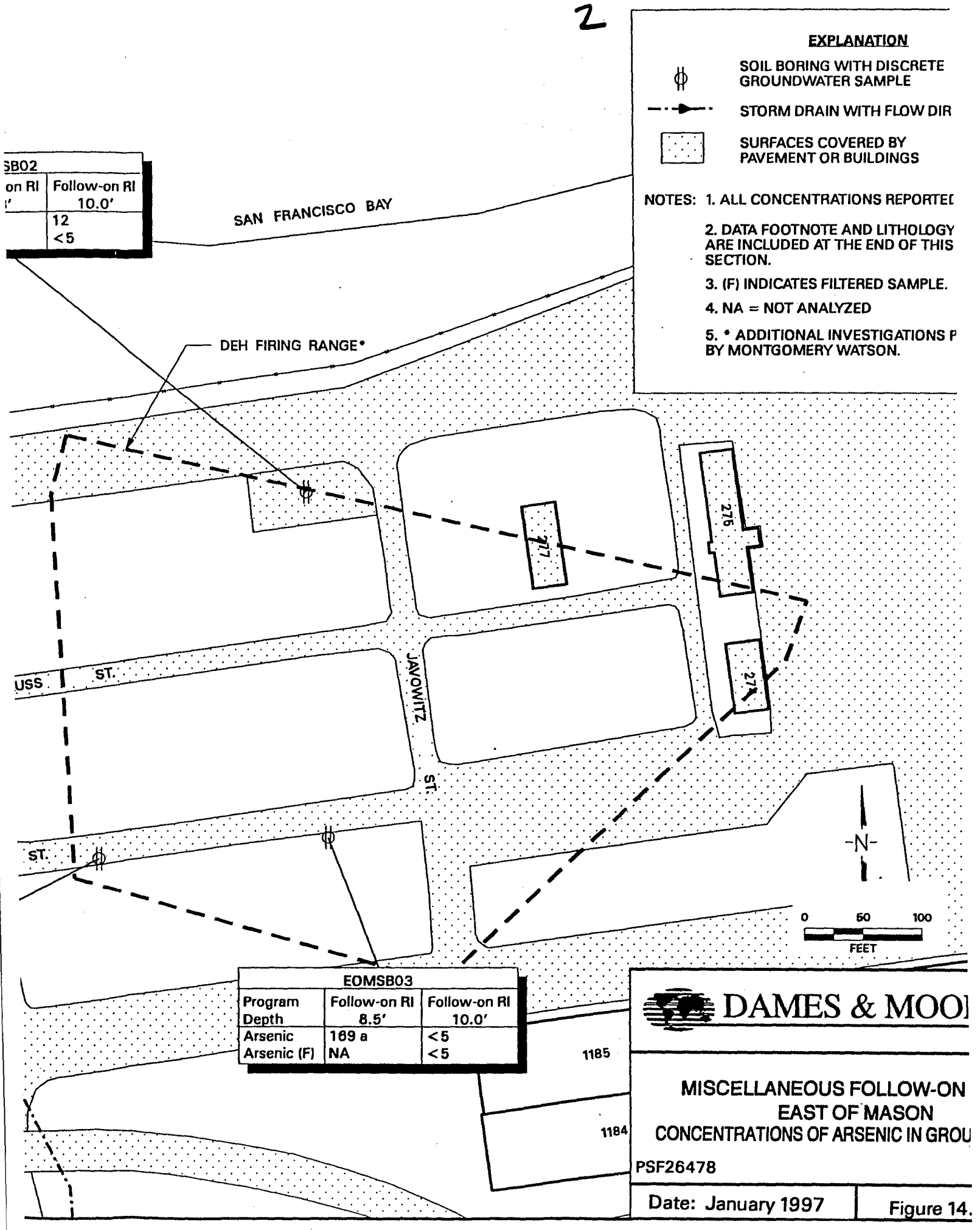
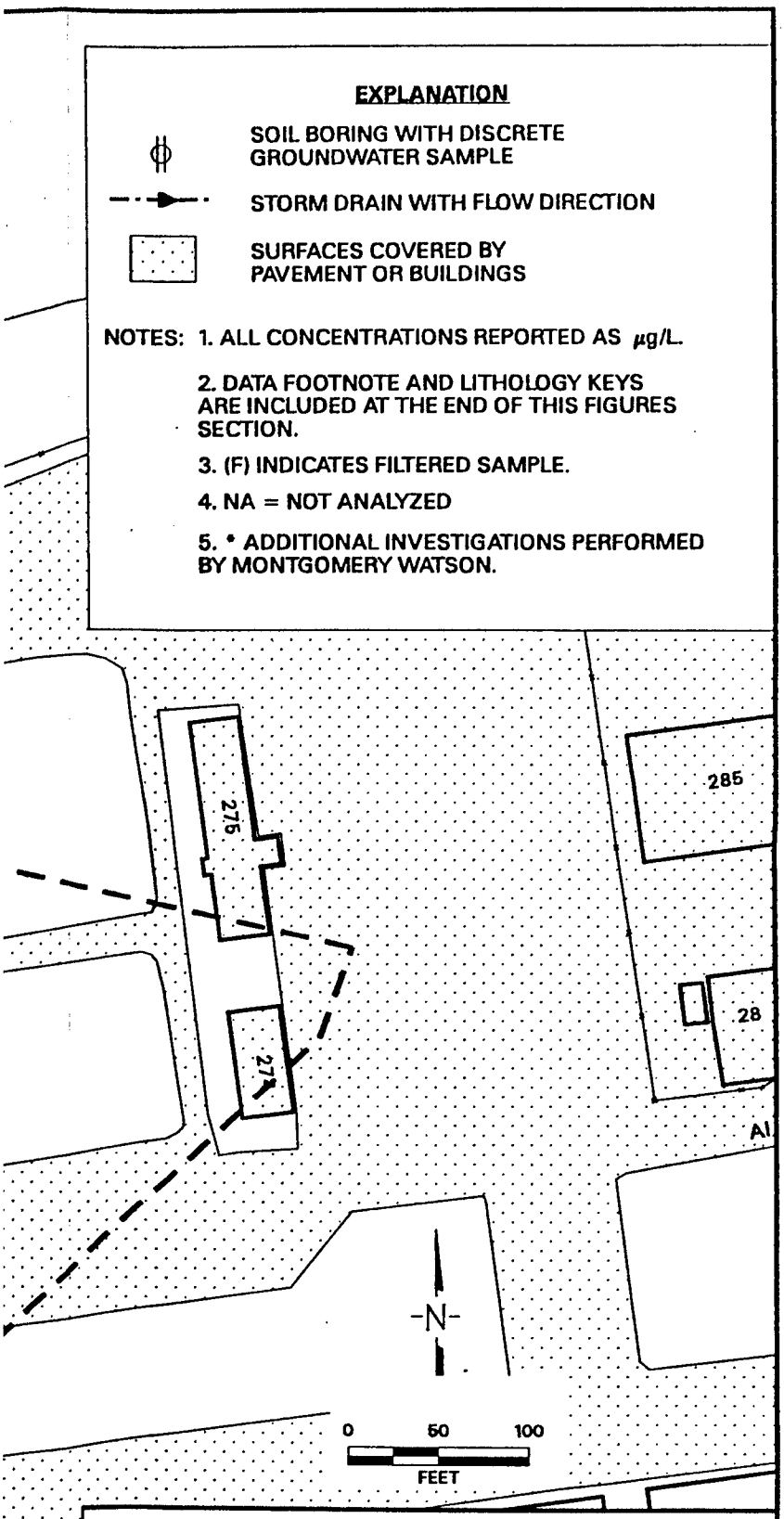

EXPLANATION
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
STORM DRAIN WITH FLOW DIR
SURFACES COVERED BY PAVEMENT OR BUILDINGS
NOTES: 1. ALL CONCENTRATIONS REPORTEI
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS P BY MONTGOMERY WATSON.
SB02
on RI | Follow-on RI
' | 10.0'
12
<5
SAN FRANCISCO BAY
DEH FIRING RANGE*
277
275
271
USS
ST.
JAVOWITZ
ST.
ST.
-N-
0
50
100
FEET
EOMSB03
Program | Follow-on RI | Follow-on RI
Depth | 8.5' | 10.0'
Arsenic | 169 a | <5
Arsenic (F) | NA | <5
1185
1184
DAMES & MOOI
MISCELLANEOUS FOLLOW-ON
EAST OF MASON
CONCENTRATIONS OF ARSENIC IN GROU
PSF26478
Date: January 1997
Figure 14.

3



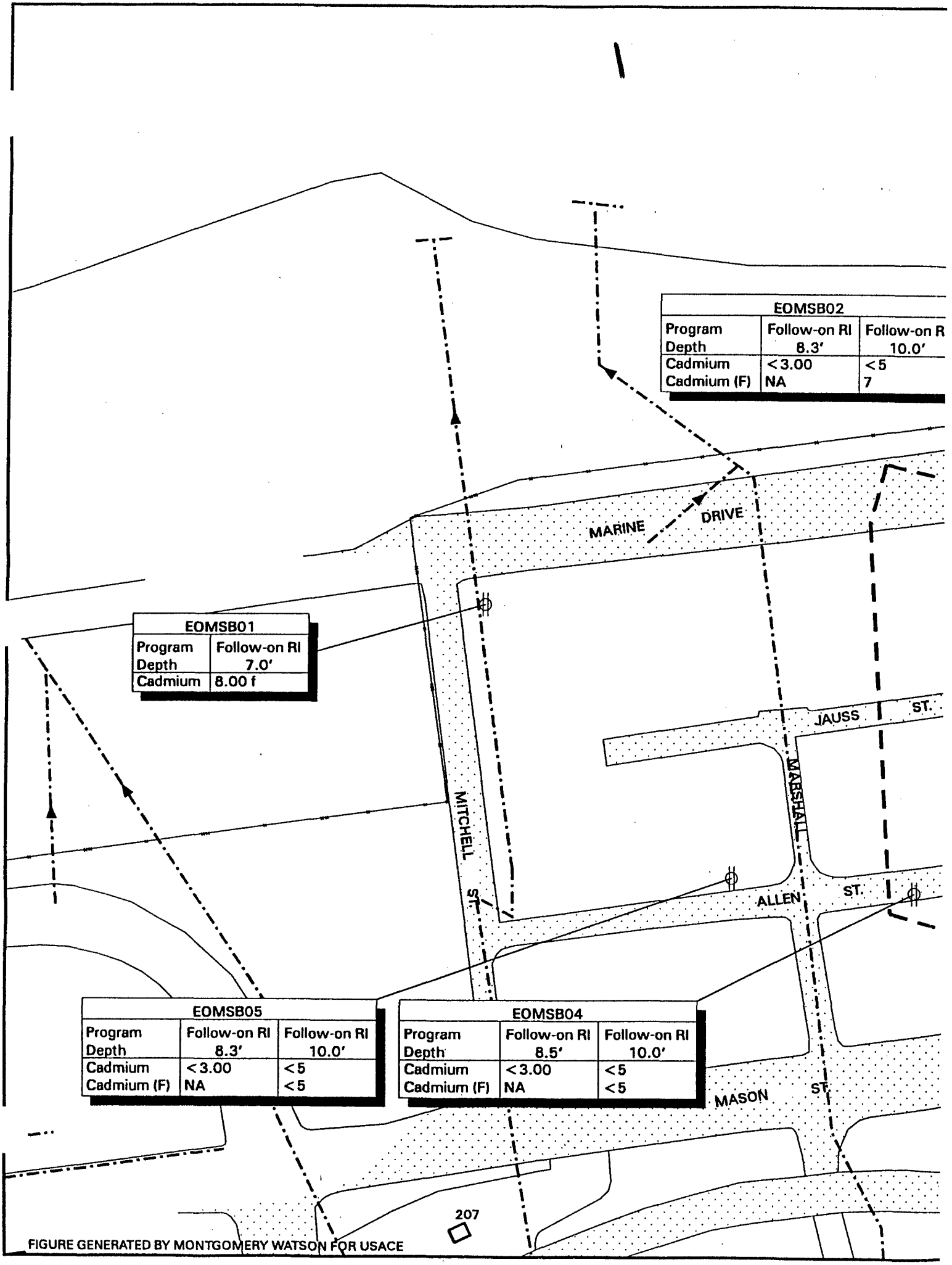
DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ARSENIC IN GROUNDWATER

PSF26478

Date: January 1997

Figure 14.7-12



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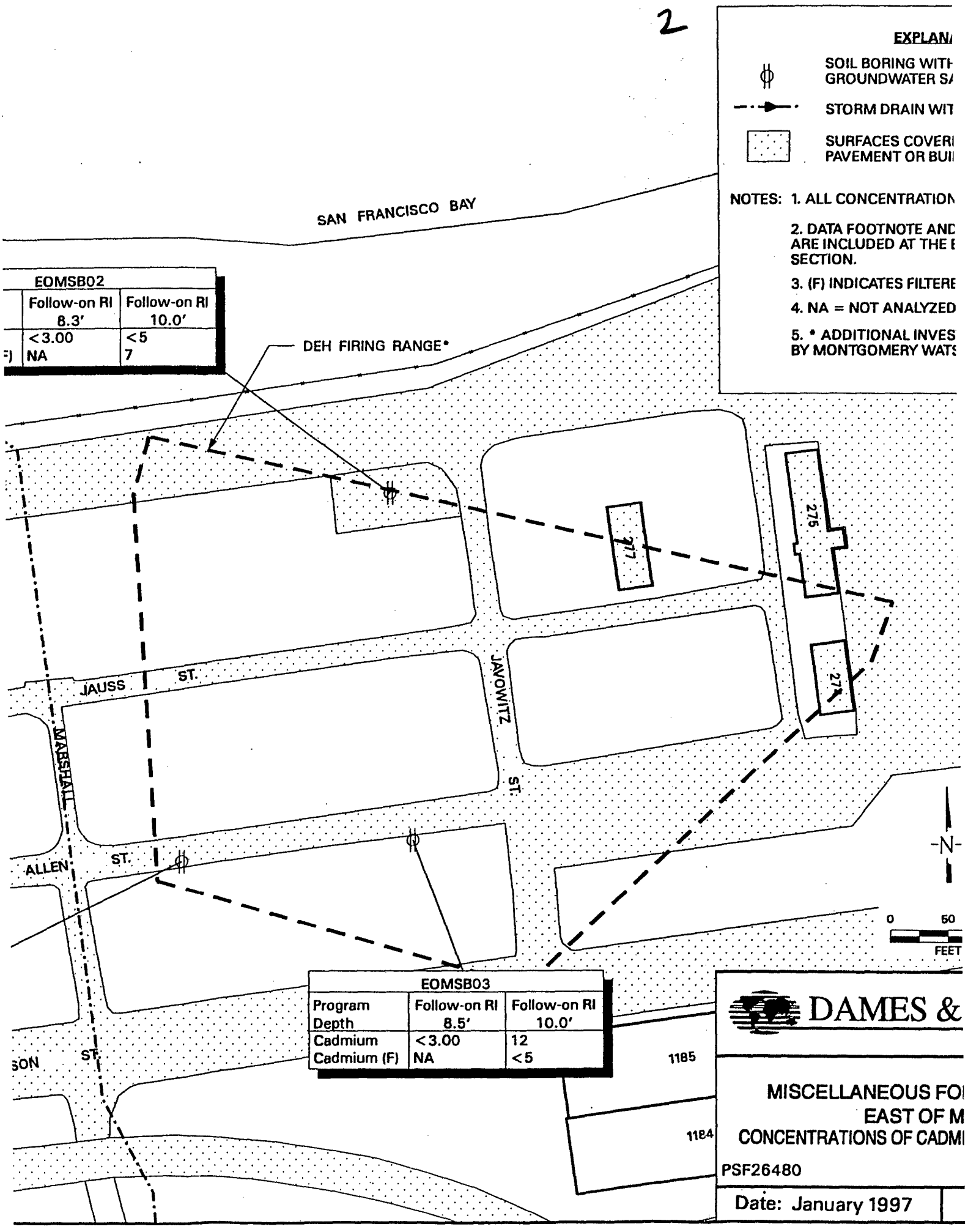

2
EXPLANA
SOIL BORING WITH
GROUNDWATER SA
STORM DRAIN WIT
SURFACES COVERI
PAVEMENT OR BUI
NOTES: 1. ALL CONCENTRATION
2. DATA FOOTNOTE AND
ARE INCLUDED AT THE E
SECTION.
3. (F) INDICATES FILTERE
4. NA = NOT ANALYZED
5. * ADDITIONAL INVES
BY MONTGOMERY WATS
SAN FRANCISCO BAY
EOMSB02
Follow-on RI 8.3'
Follow-on RI 10.0'
<3.00
<5
NA
7
DEH FIRING RANGE*
277
276
274
JAUSS ST.
JAVOWITZ ST.
MARSHALL ST.
ALLEN ST.
1185
1184
-N-
0
50
FEET
EOMSB03
Program Depth
Follow-on RI 8.5'
Follow-on RI 10.0'
Cadmium
<3.00
12
Cadmium (F)
NA
<5
DAMES &
MISCELLANEOUS FO
EAST OF M
CONCENTRATIONS OF CADMI
PSF26480
Date: January 1997

3

EXPLANATION

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW DIRECTION

SURFACES COVERED BY PAVEMENT OR BUILDINGS

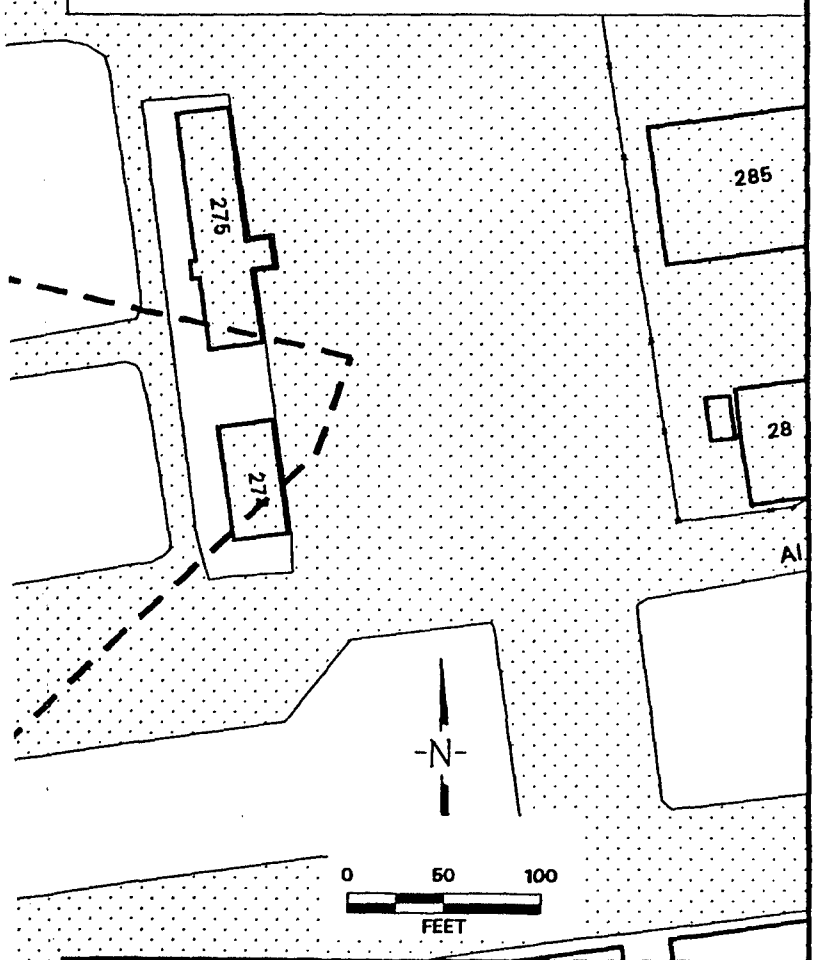
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF CADMIUM IN GROUNDWATER

PSF26480

Date: January 1997

Figure 14.7-13

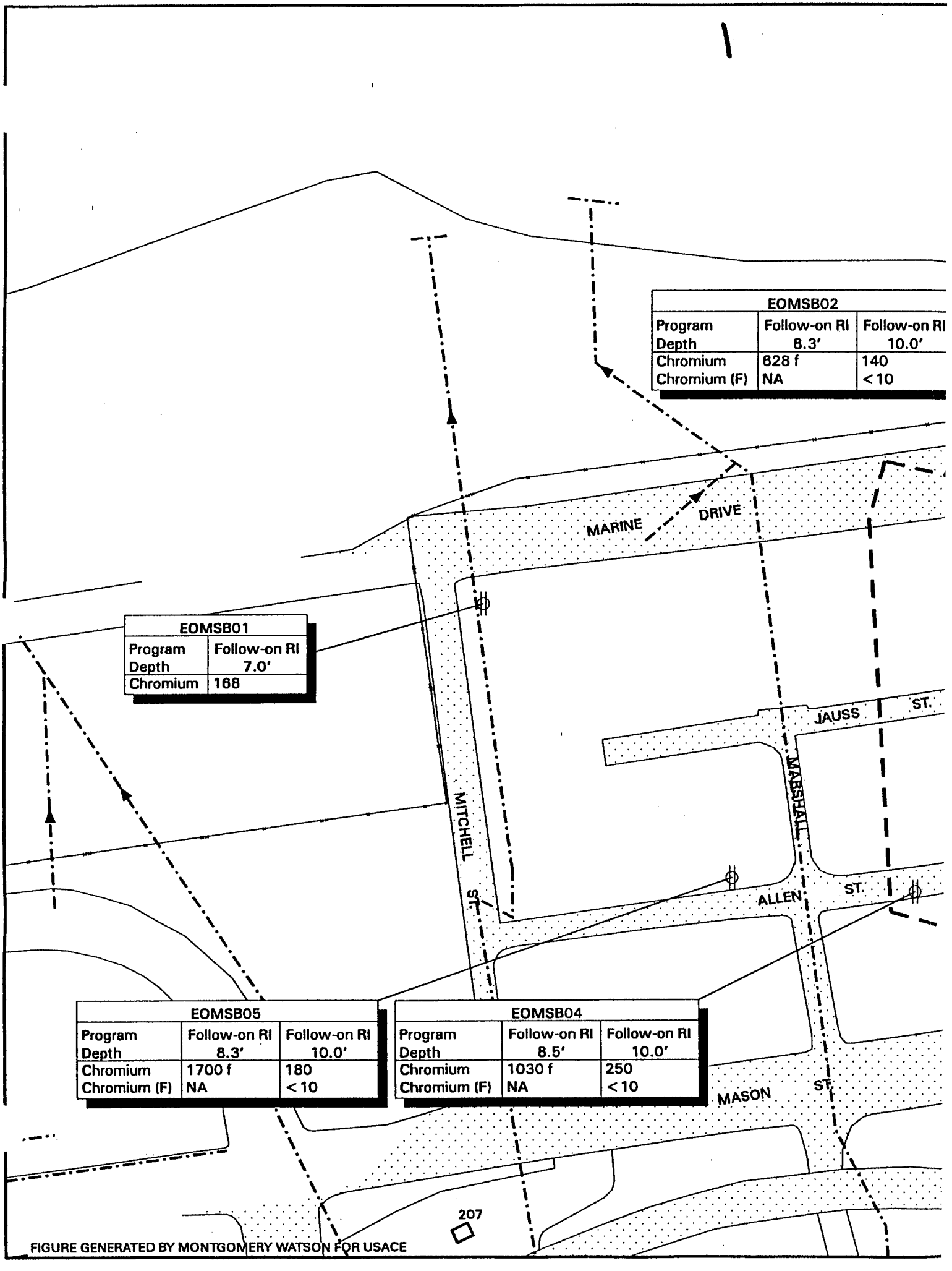


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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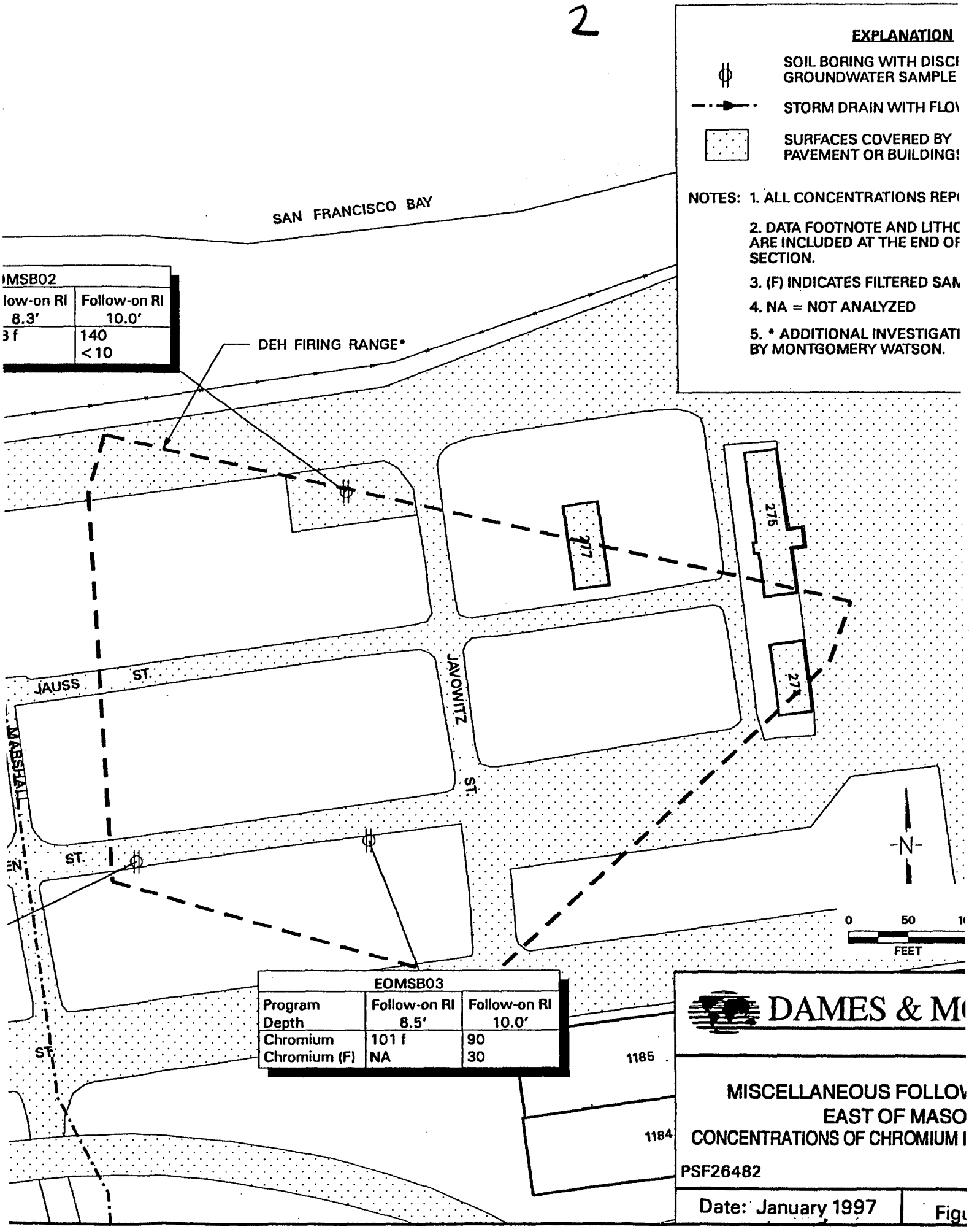
2



MSB02	
low-on RI	Follow-on RI
8.3'	10.0'
3 f	140
	<10

EOMSB03		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Chromium	101 f	90
Chromium (F)	NA	30

DAMES & M

MISCELLANEOUS FOLLO
EAST OF MASO
CONCENTRATIONS OF CHROMIUM I

PSF26482

Date: January 1997 | Figu

3

EXPLANATION

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW DIRECTION

SURFACES COVERED BY PAVEMENT OR BUILDINGS

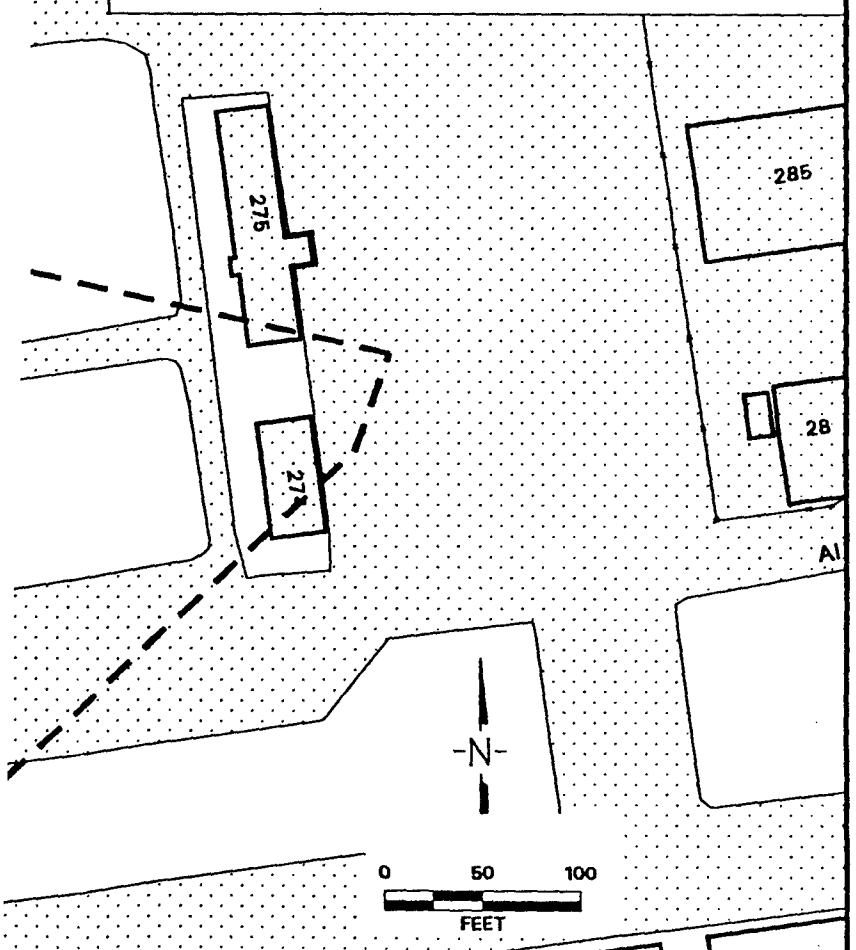
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

1185

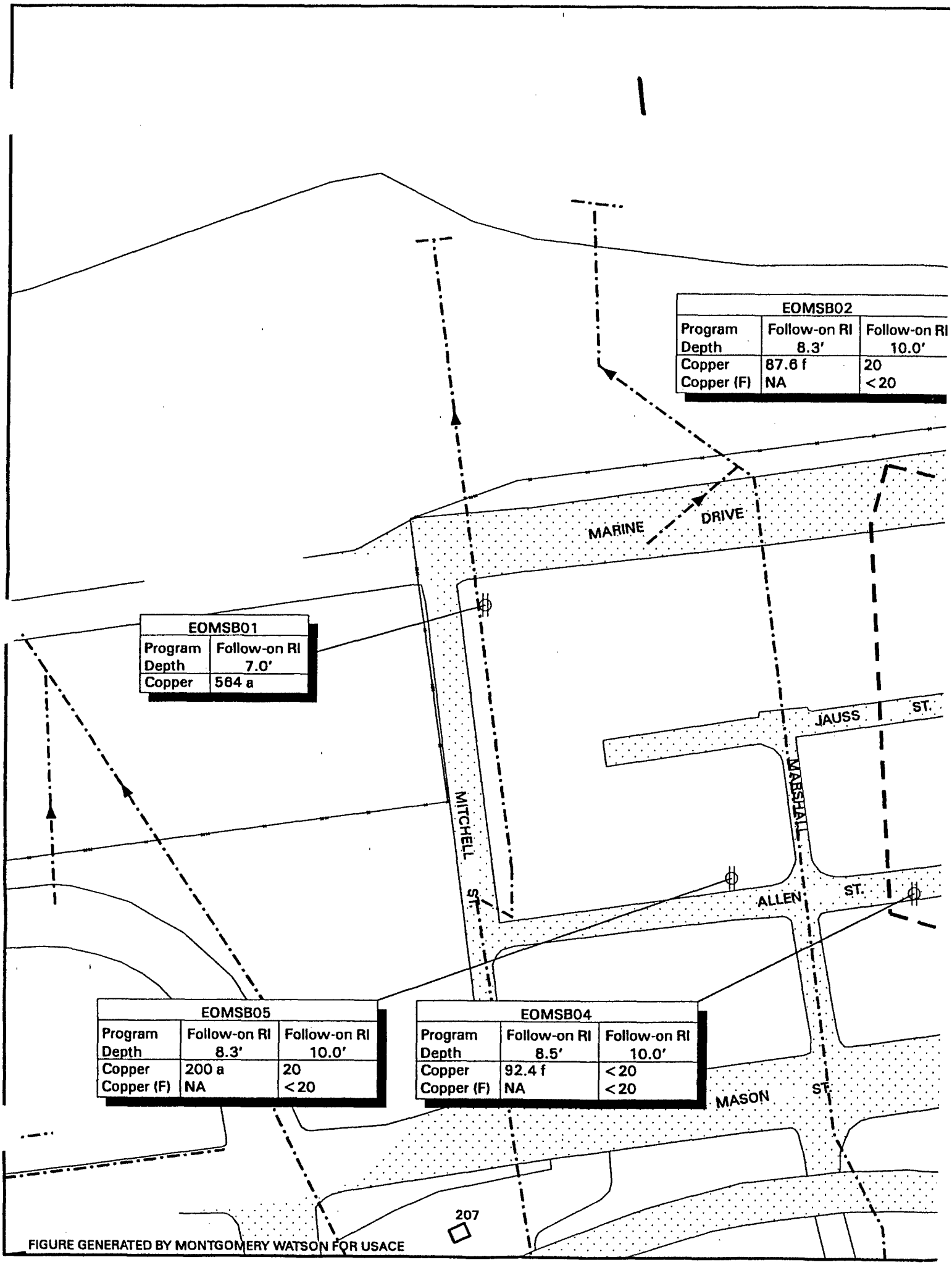
1184

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

PSF26482

Date: January 1997

Figure 14.7-14



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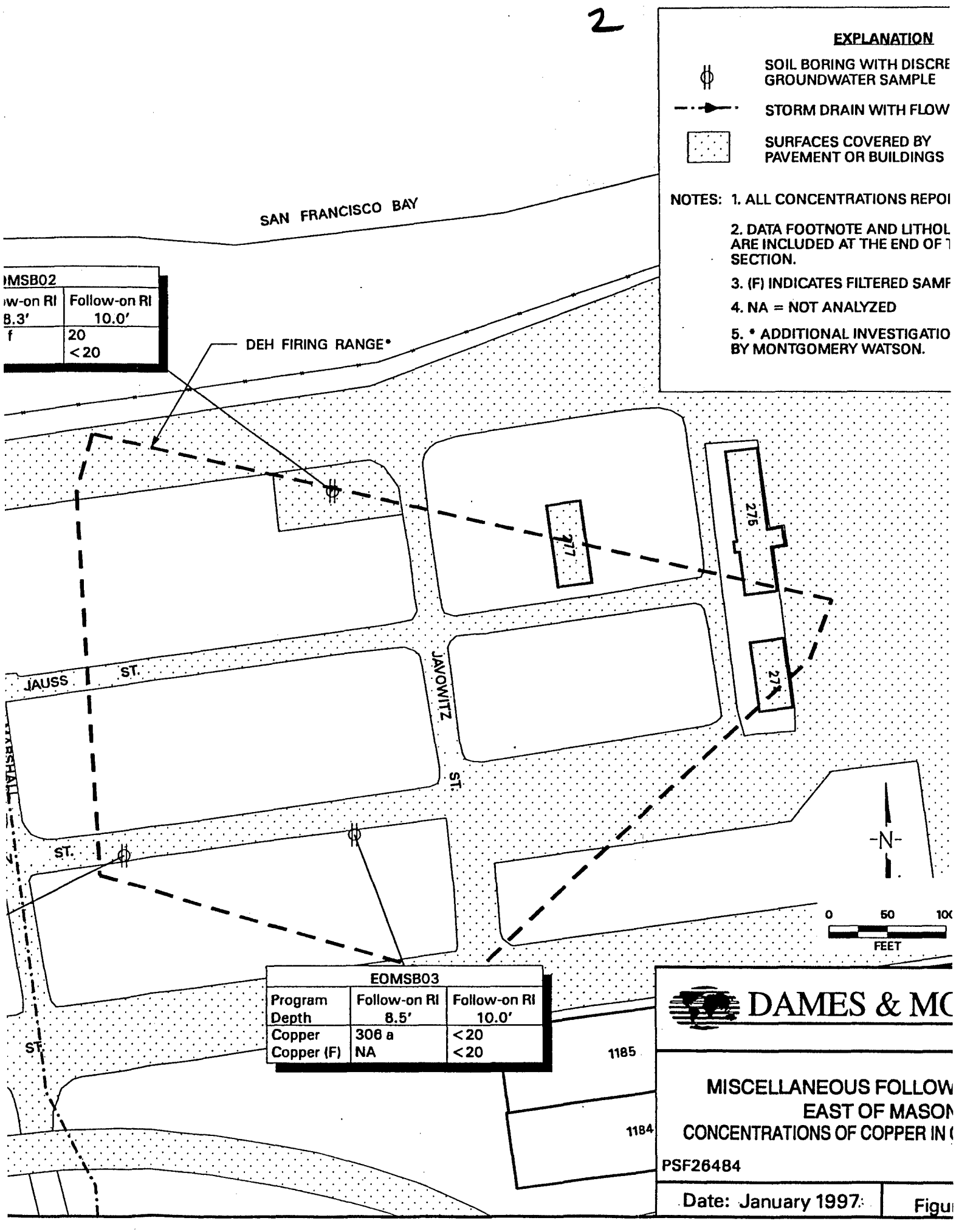


MSB02	
w-on RI 8.3′	Follow-on RI 10.0′
f	20
	<20

EOMSB03		
Program Depth	Follow-on RI 8.5′	Follow-on RI 10.0′
Copper	306 a	<20
Copper (F)	NA	<20

3

EXPLANATION

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW DIRECTION

SURFACES COVERED BY PAVEMENT OR BUILDINGS

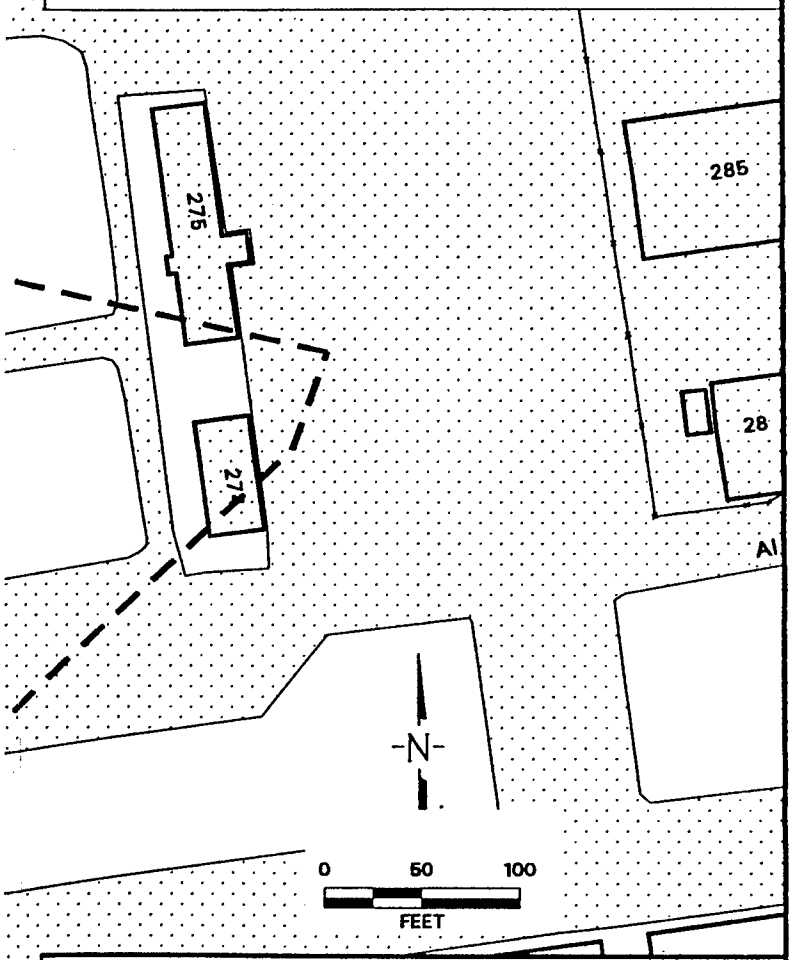
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF COPPER IN GROUNDWATER

PSF26484

Date: January 1997

Figure 14.7-15

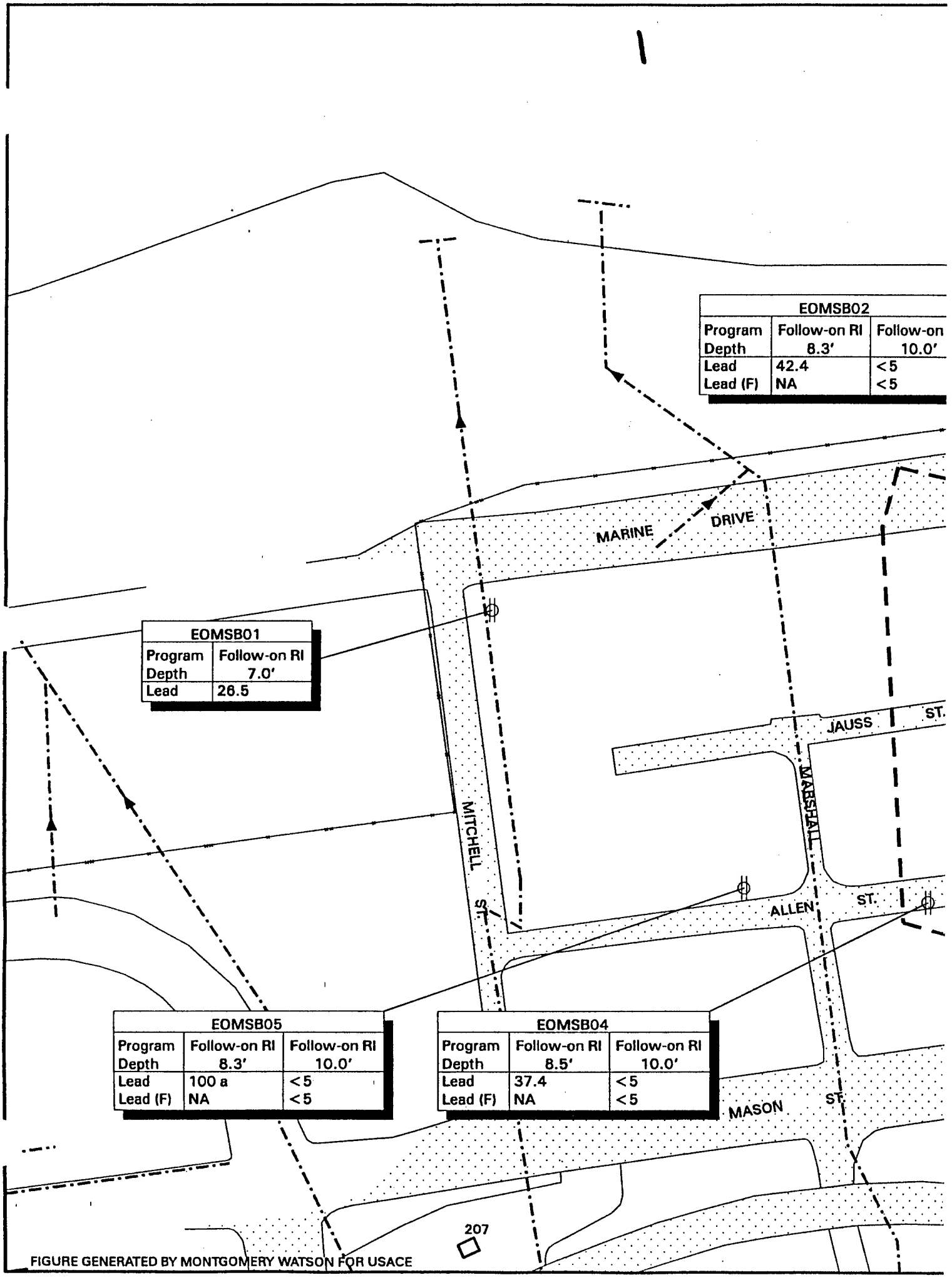


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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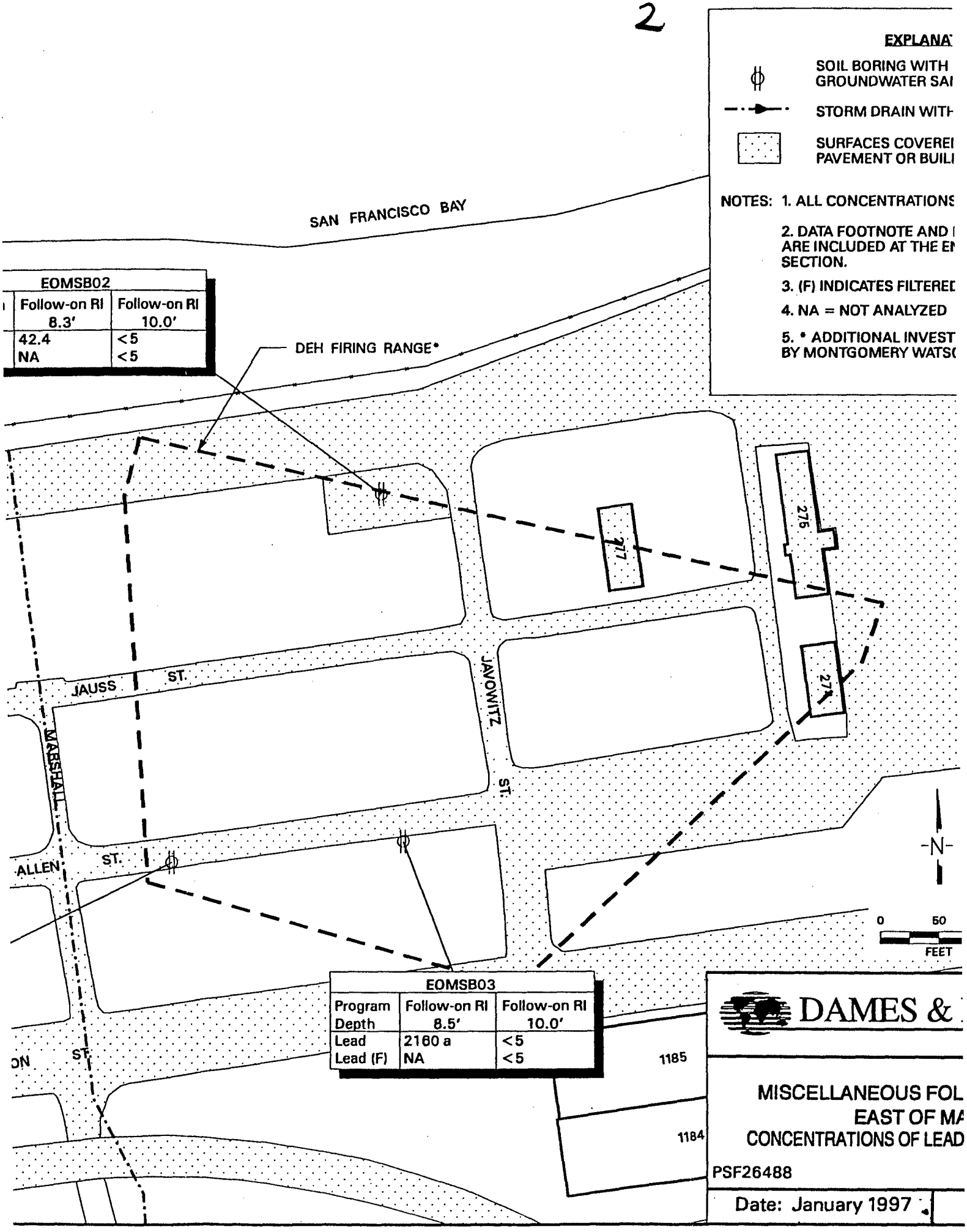
EXPLANA
SOIL BORING WITH GROUNDWATER SAI
STORM DRAIN WITH
SURFACES COVERE PAVEMENT OR BUILI
NOTES: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND I ARE INCLUDED AT THE EI SECTION.
3. (F) INDICATES FILTERED
4. NA = NOT ANALYZED
5. * ADDITIONAL INVEST BY MONTGOMERY WATSO
SAN FRANCISCO BAY
DEH FIRING RANGE*
EOMSB02
Follow-on RI 8.3'
Follow-on RI 10.0'
42.4
NA
<5
<5
JAUSS ST.
JAVOWITZ ST.
MARSHALL ST.
ALLEN ST.
ON ST.
275
271
27
N
0
50
FEET
EOMSB03
Program
Depth
Follow-on RI 8.5'
Follow-on RI 10.0'
Lead
Lead (F)
2160 a
NA
<5
<5
1185
1184
DAMES &
MISCELLANEOUS FOL
EAST OF MA
CONCENTRATIONS OF LEAD
PSF26488
Date: January 1997

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EXPLANATION

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW DIRECTION

SURFACES COVERED BY PAVEMENT OR BUILDINGS

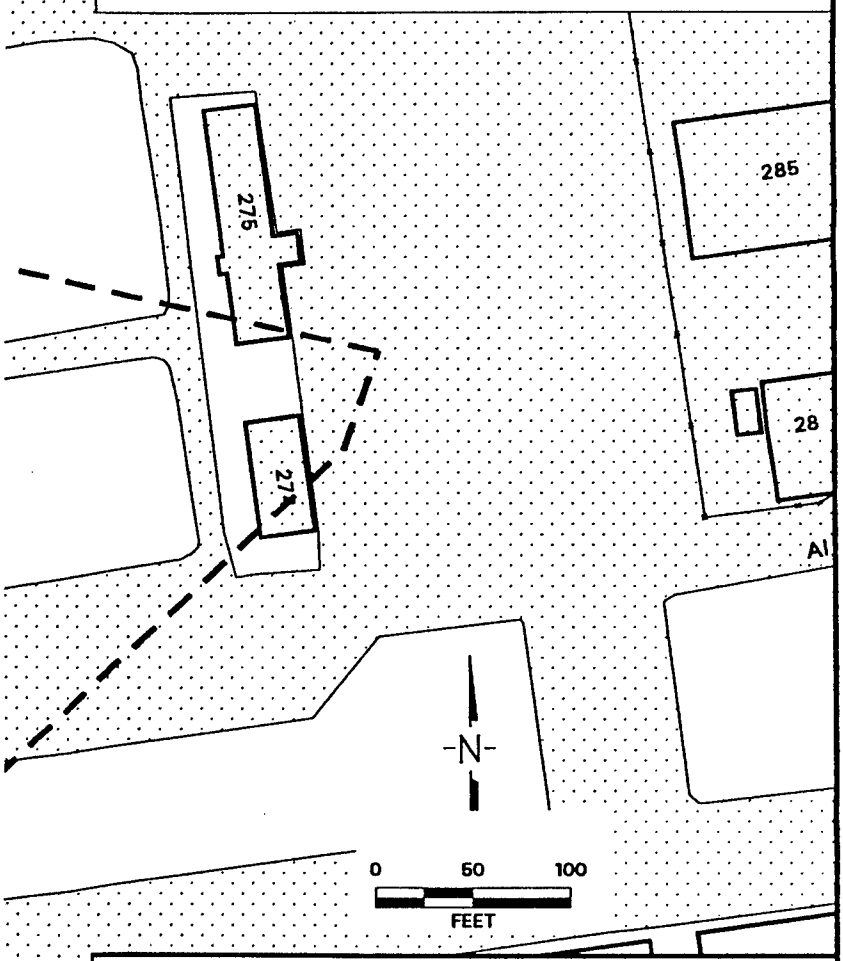
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF LEAD IN GROUNDWATER

PSF26488

Date: January 1997

Figure 14.7-16

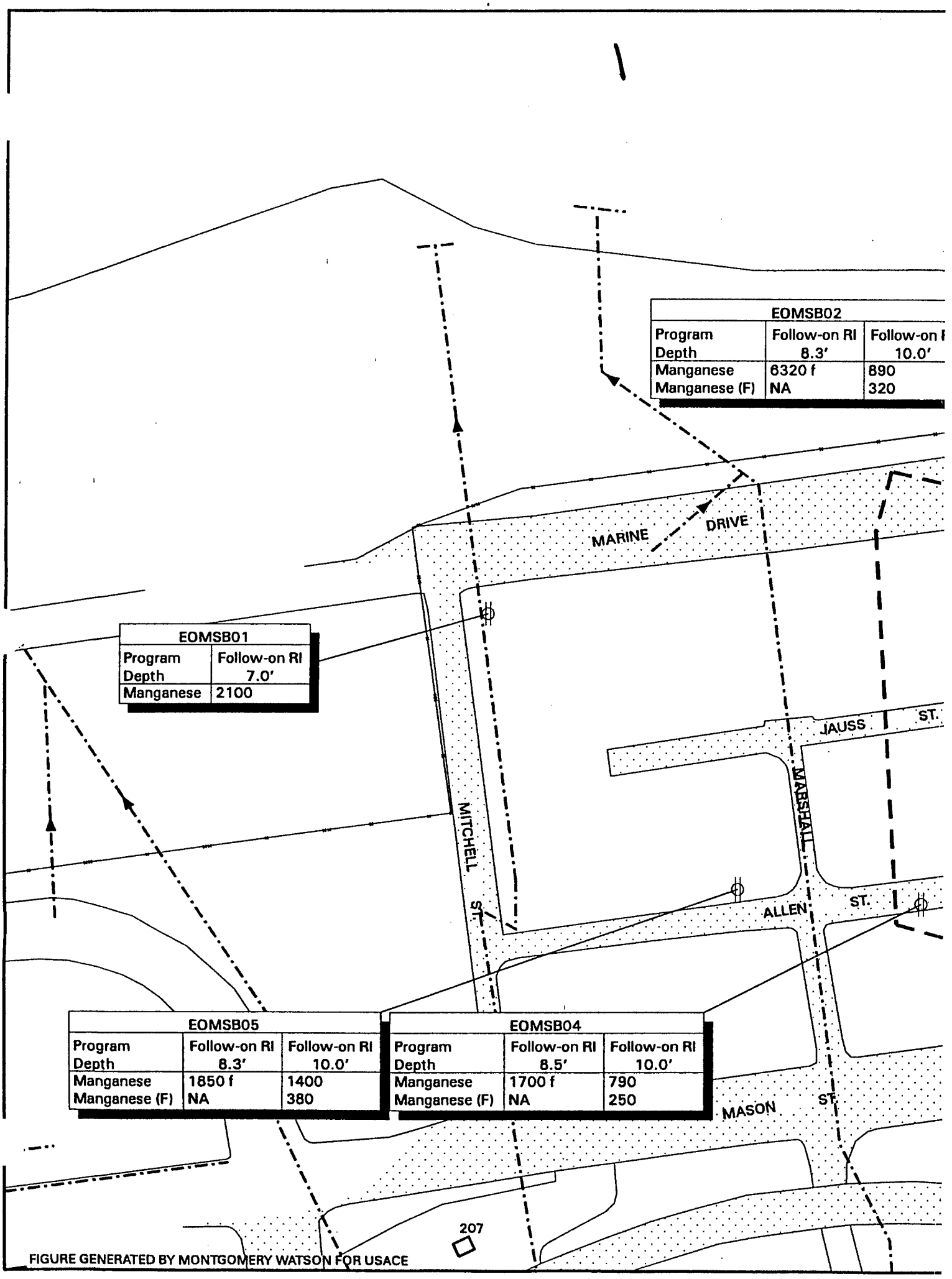


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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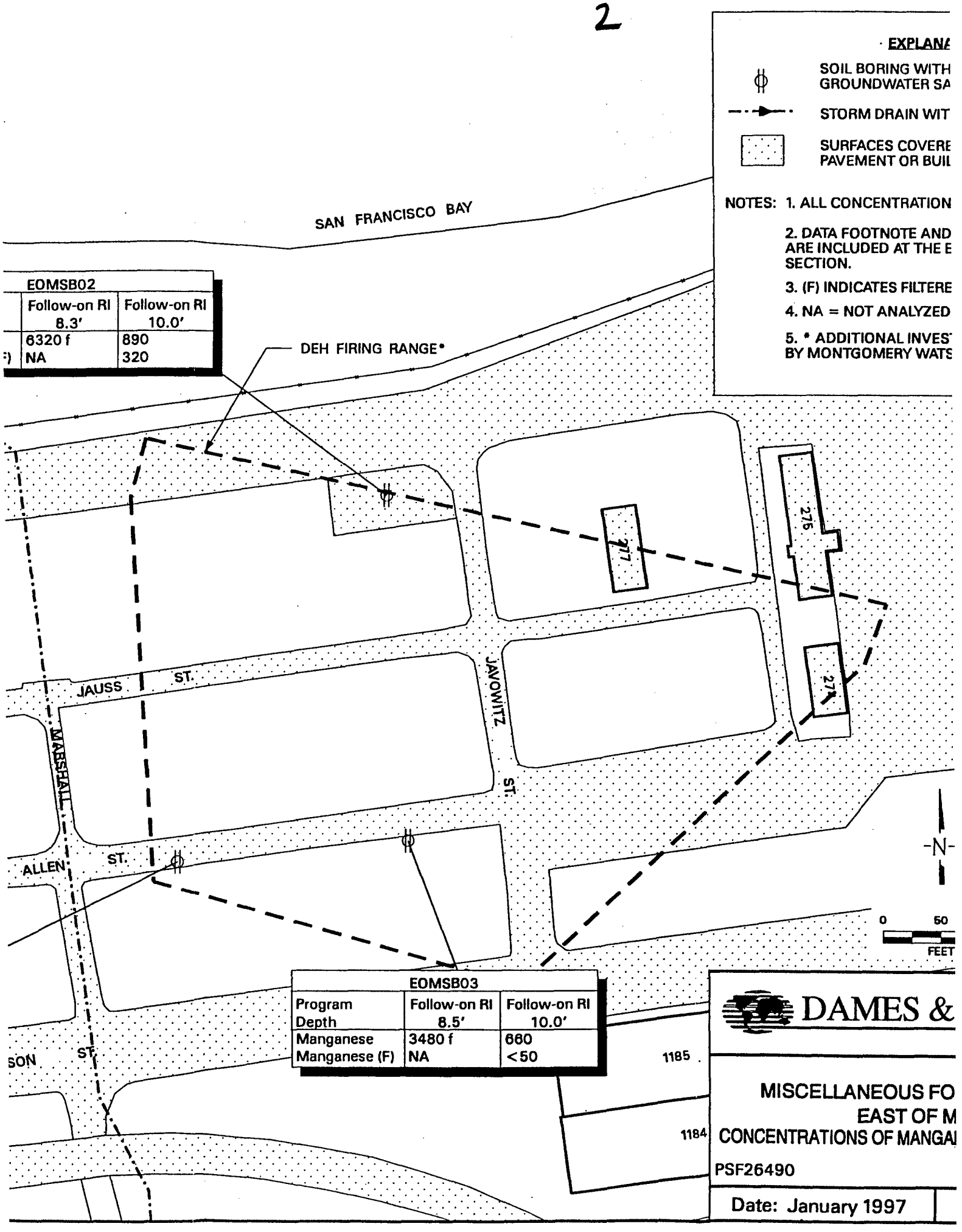


EOMSB02		
	Follow-on RI 8.3'	Follow-on RI 10.0'
	6320 f	890
:)	NA	320

EOMSB03		
Program Depth	Follow-on RI 8.5'	Follow-on RI 10.0'
Manganese	3480 f	660
Manganese (F)	NA	<50

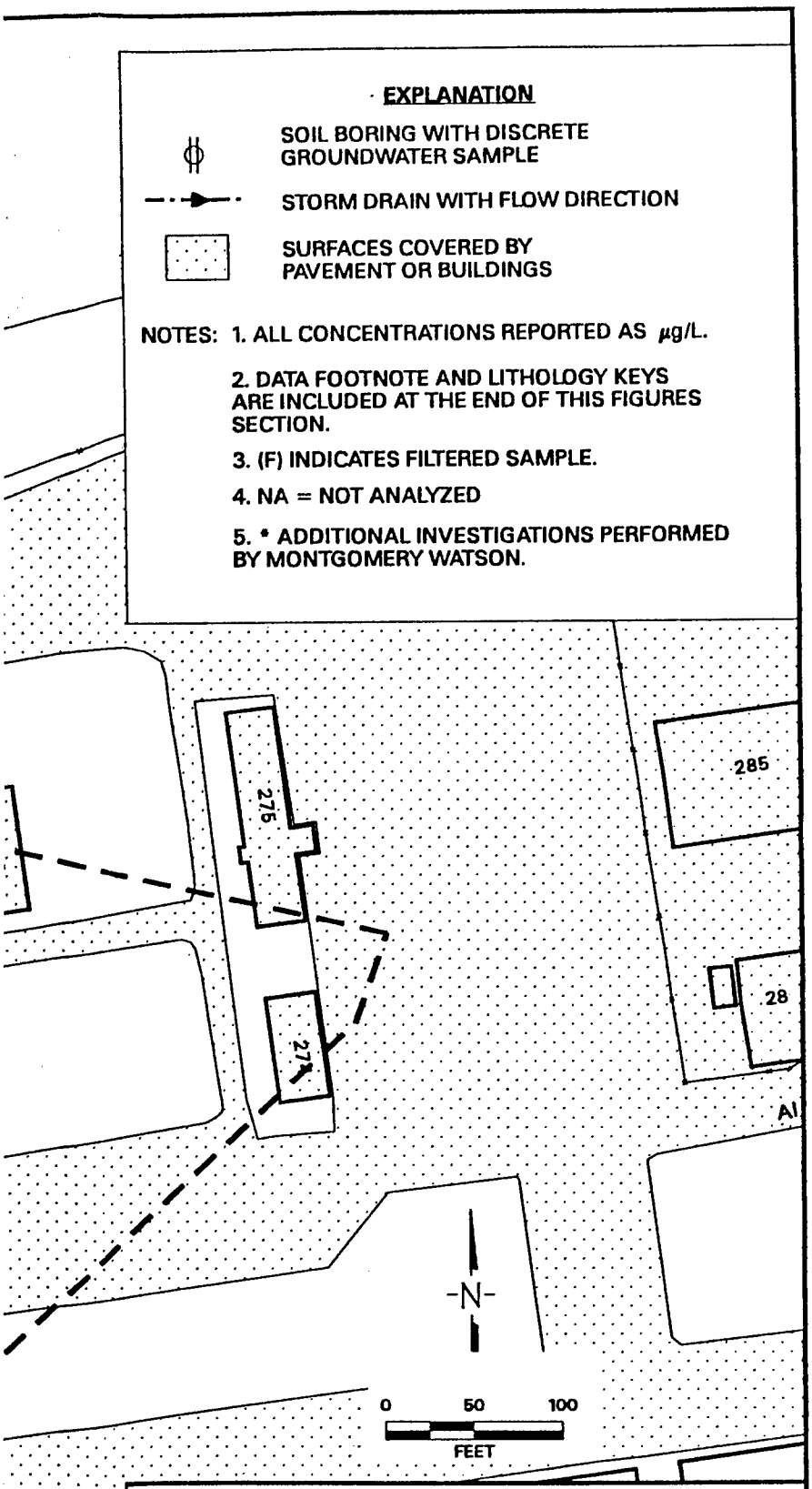
DAMES &

MISCELLANEOUS FO
EAST OF M
CONCENTRATIONS OF MANGAI

PSF26490

Date: January 1997

3



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF MANGANESE IN GROUNDWATER

PSF26490

Date: January 1997

Figure 14.7-17

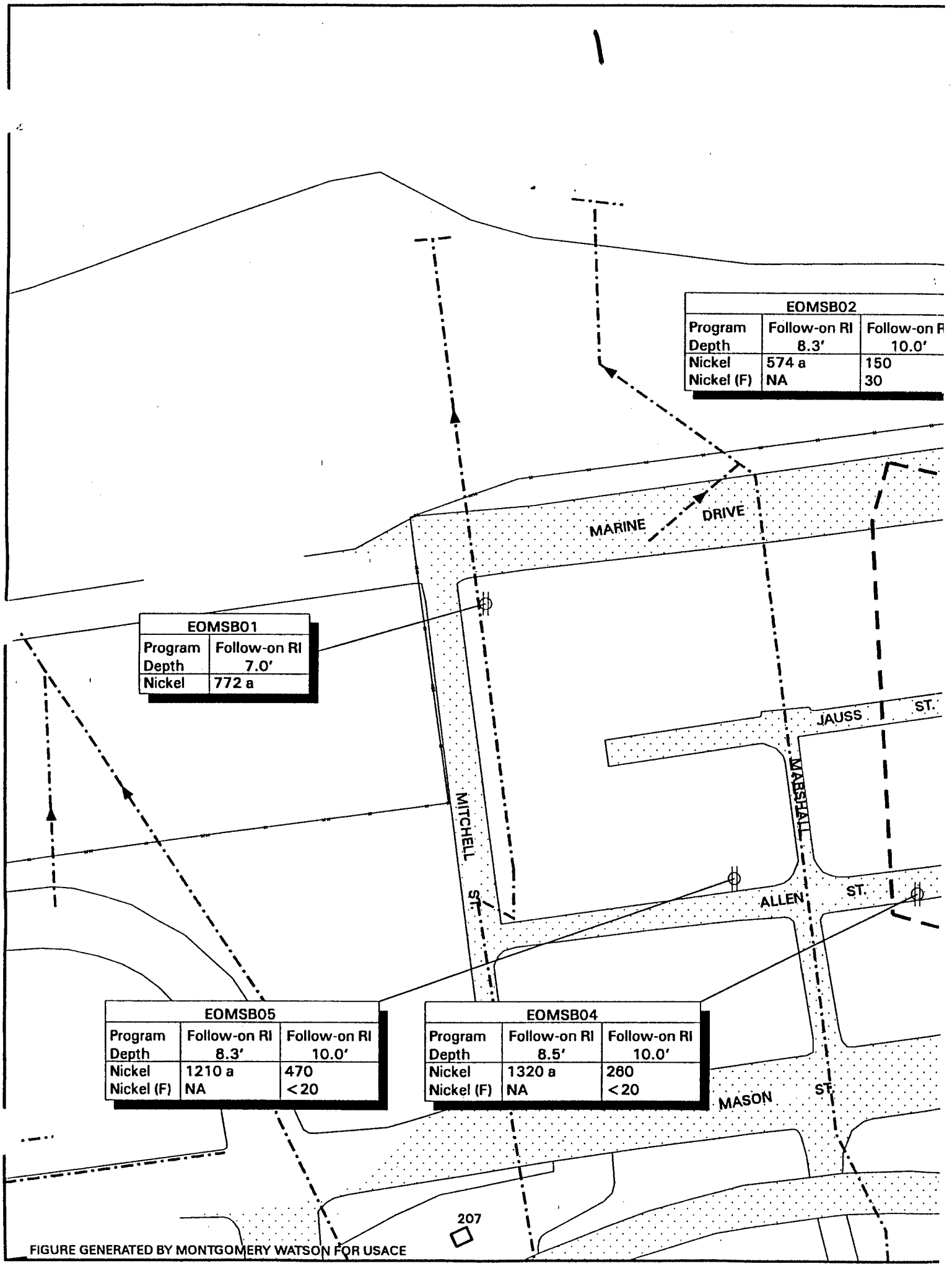


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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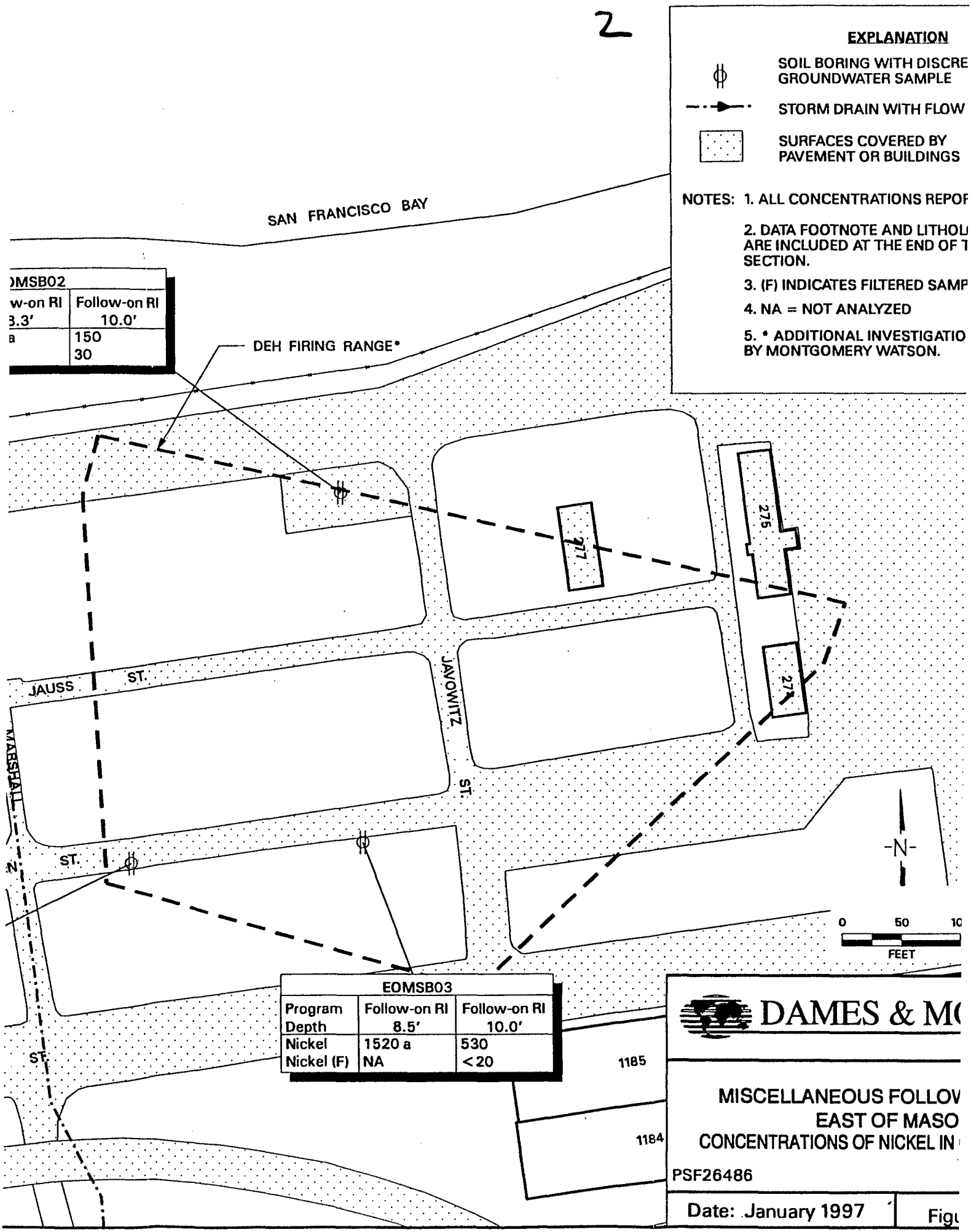


)MSB02	
w-on RI	Follow-on RI
3.3'	10.0'
a	150
	30

EOMSB03		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Nickel	1520 a	530
Nickel (F)	NA	<20

3

EXPLANATION

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW DIRECTION

SURFACES COVERED BY PAVEMENT OR BUILDINGS

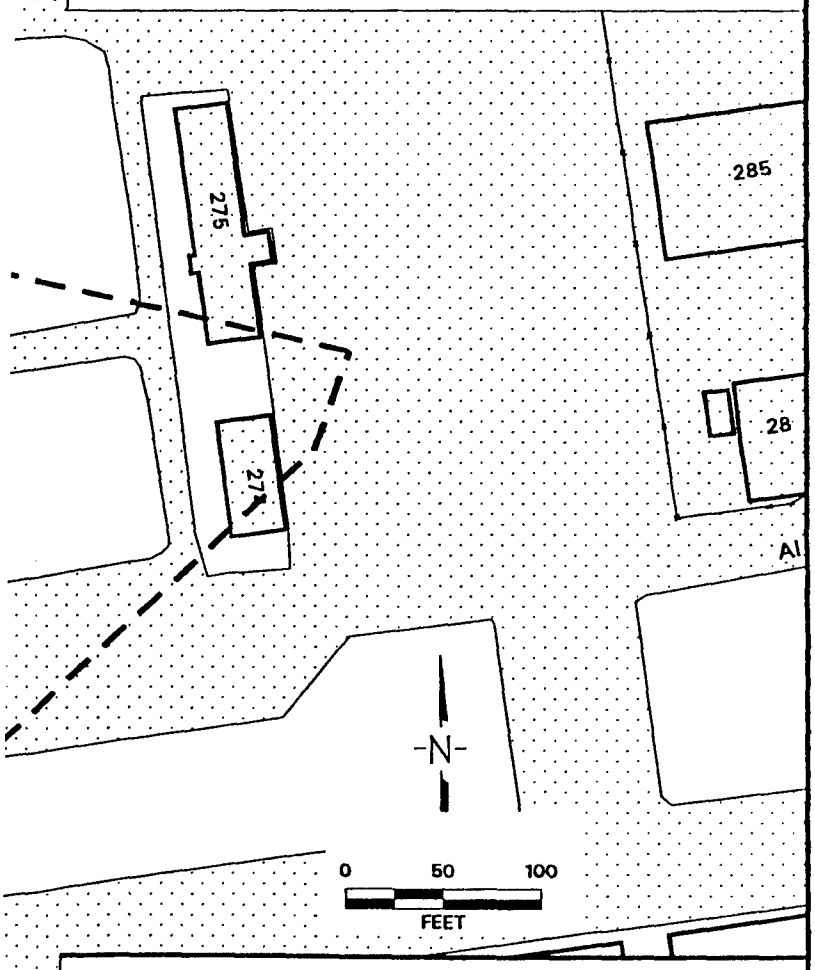
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

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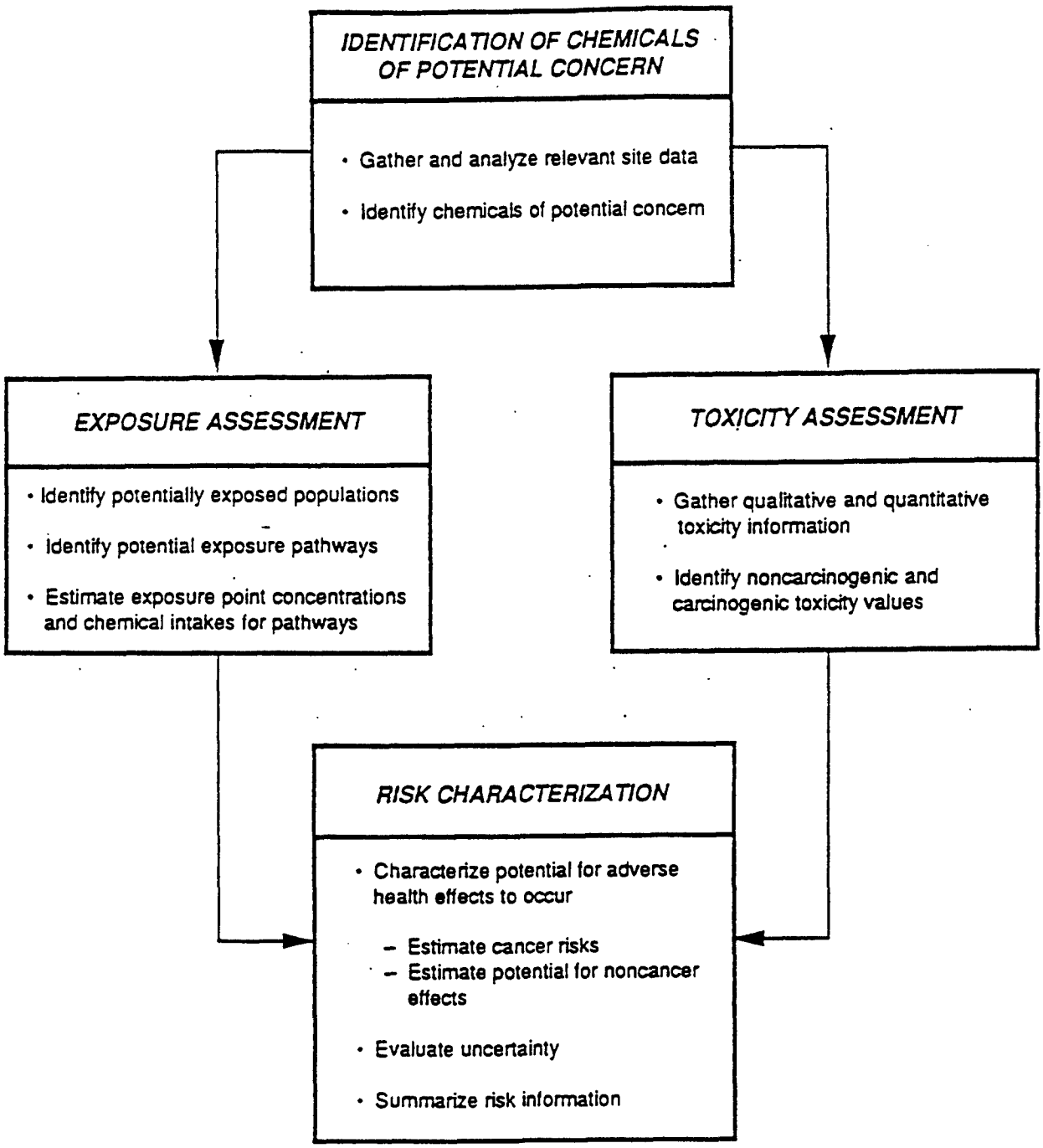
1184

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF NICKEL IN GROUNDWATER

PSF26486

Date: January 1997

Figure 14.7-18

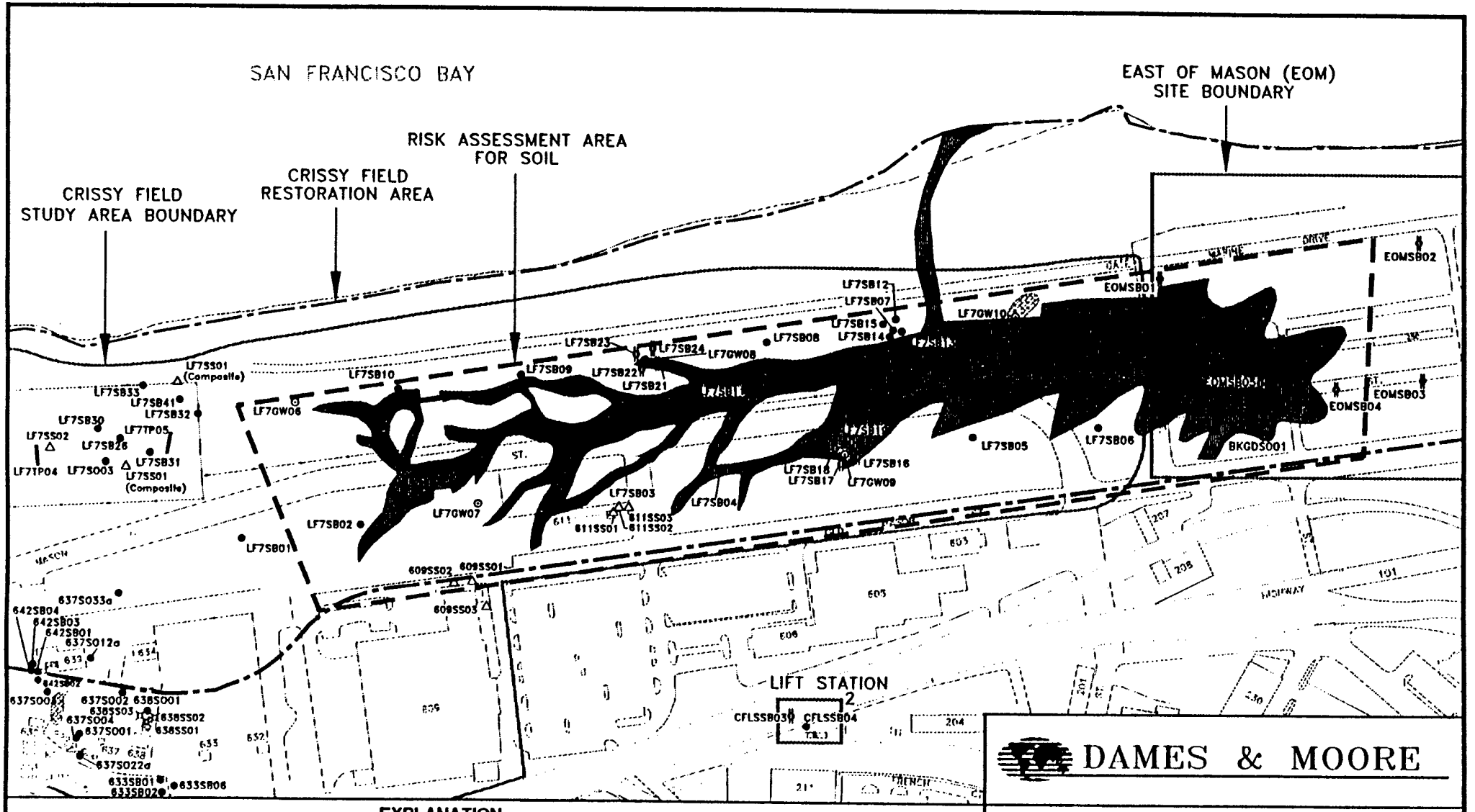


DAMES & MOORE

THE FOUR PRINCIPAL STEPS OF A BASELINE RISK ASSESSMENT

PSF25192\DV2

Date: January 1997 | Figure 15.1-1



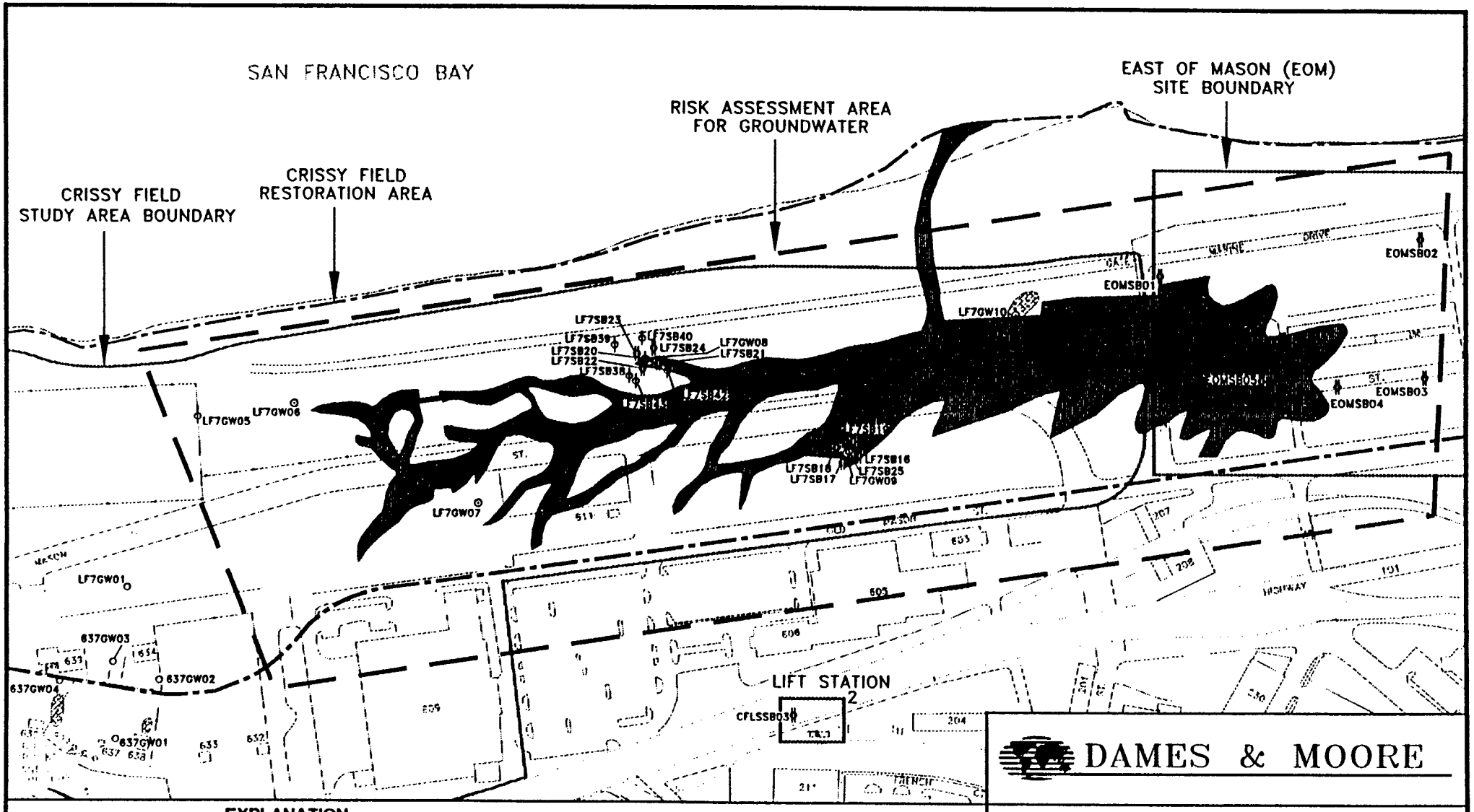
DAMES & MOORE

CRISSY FIELD WETLANDS RESTORATION AREA-SURFACE SOIL AND SOIL BORING SAMPLE LOCATIONS WITHIN RISK ASSESSMENT AREA

PSF25199\DV1

Date: January 1997

Figure 15.1-2



EXPLANATION

- MONITORING WELL
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- TIDAL MARSH
- STAINED AREAS

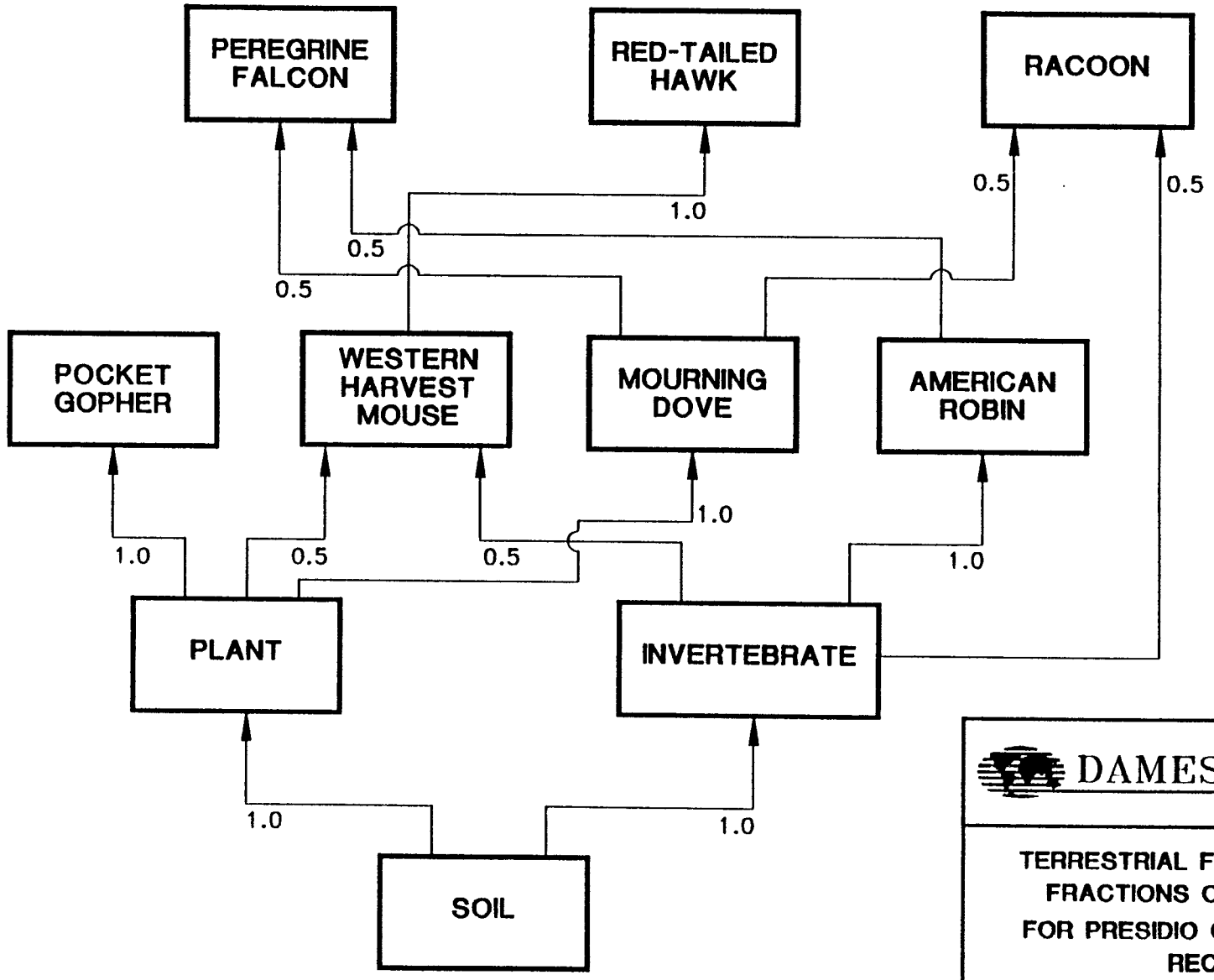
DAMES & MOORE

CRISSY FIELD WETLANDS RESTORATION AREA-GROUNDWATER SAMPLE LOCATIONS WITHIN RISK ASSESSMENT AREA

PSF25200\DV1

Date: January 1997

Figure 15.1-3

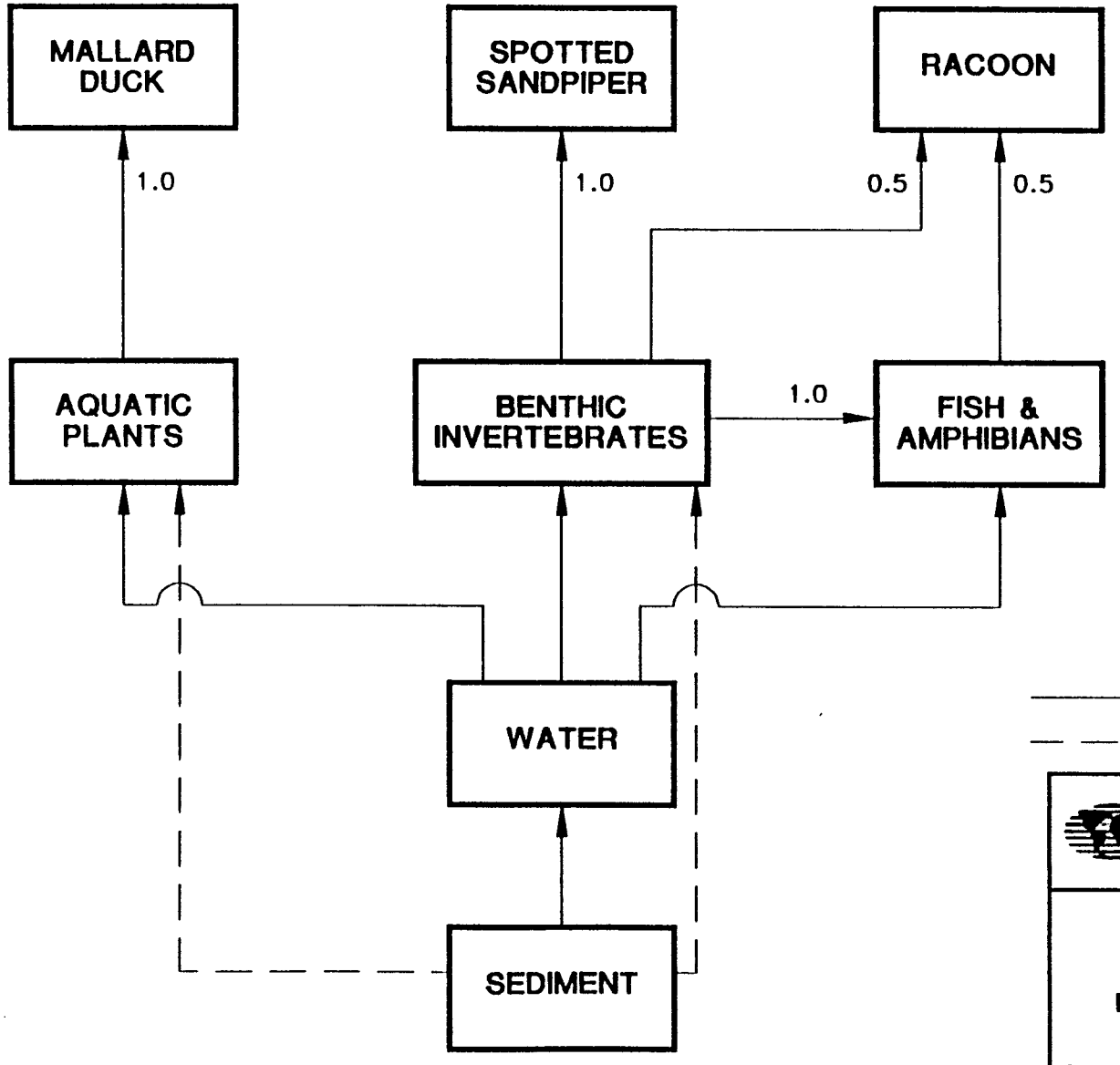


DAMES & MOORE

TERRESTRIAL FOOD WEB SHOWING FRACTIONS OF DIETARY ITEMS FOR PRESIDIO OF SAN FRANCISCO RECEPTORS

PSF25197\DV2

Date: January 1997 | Figure 15.2-1



EXPLANATION

——— QUANTITATIVELY ADDRESSED

— — — NOT QUANTITATIVELY ADDRESSED

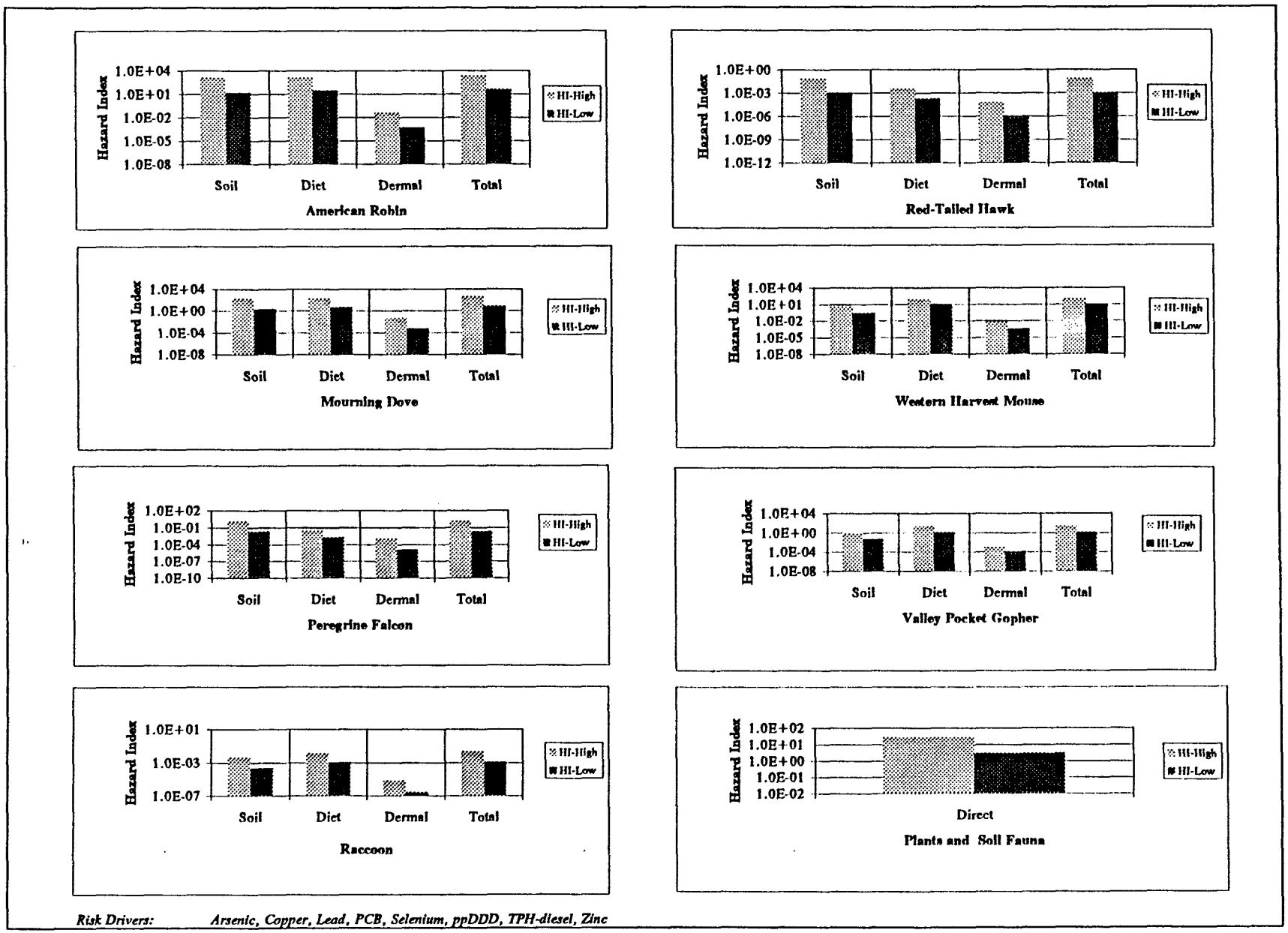
DAMES & MOORE

AQUATIC FOOD WEB SHOWING FRACTIONS OF DIETARY ITEMS FOR PRESIDIO OF SAN FRANCISCO RECEPTORS

PSF25198\DV2

Date: January 1997 | Figure 15.2-2

Figure 15.2-3 Hazard Indices for the Nike Facility



Risk Drivers: *Arsenic, Copper, Lead, PCB, Selenium, ppDDD, TPH-diesel, Zinc*

Figure 15.2-5 Hazard Indices for Buildings 640 and 643, Consolidated Motor Pool Area, Crissy Field Study Area

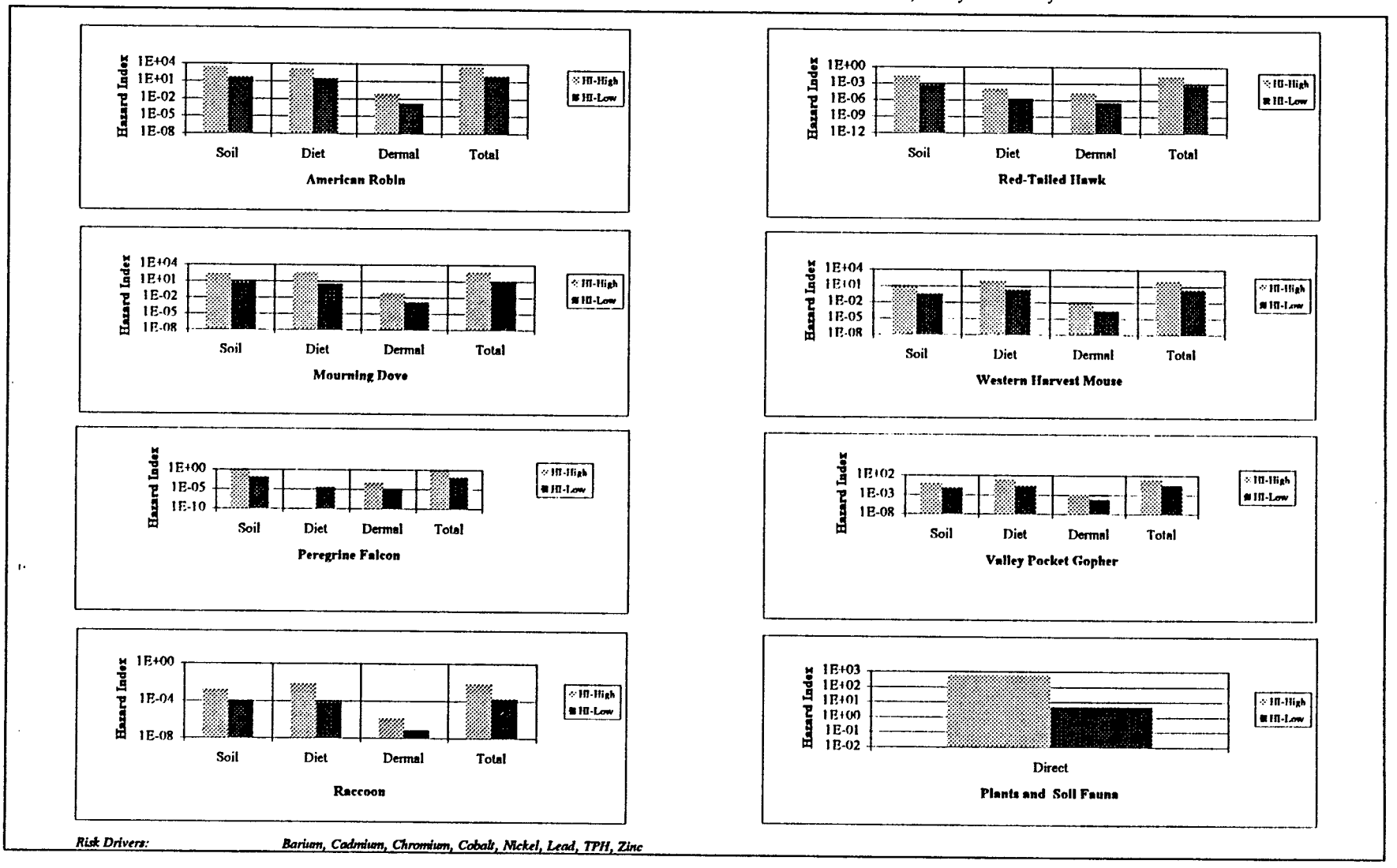


Figure 15.2-4 Hazard Indices for Modeled Aquatic Exposures South of the Nike Facility

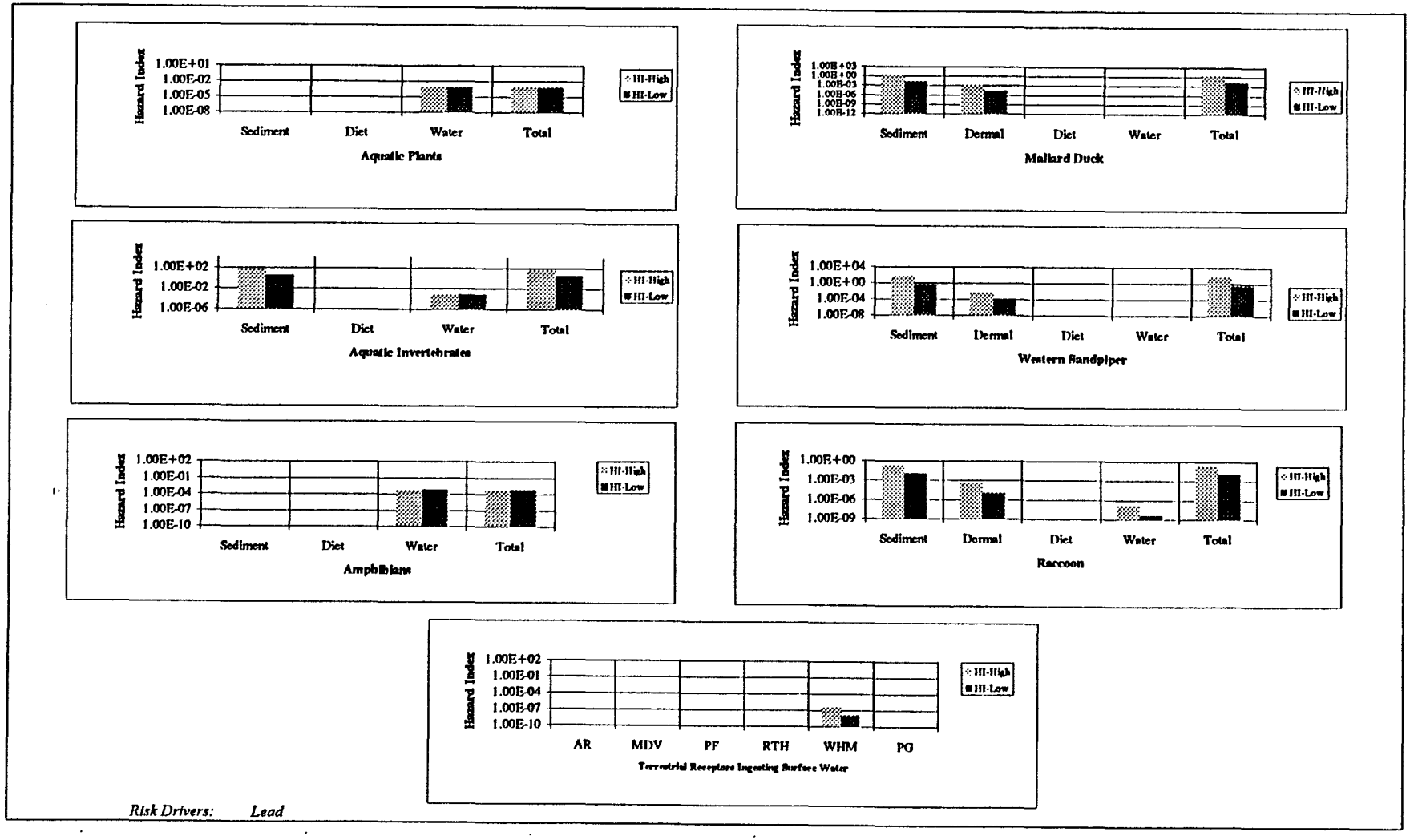
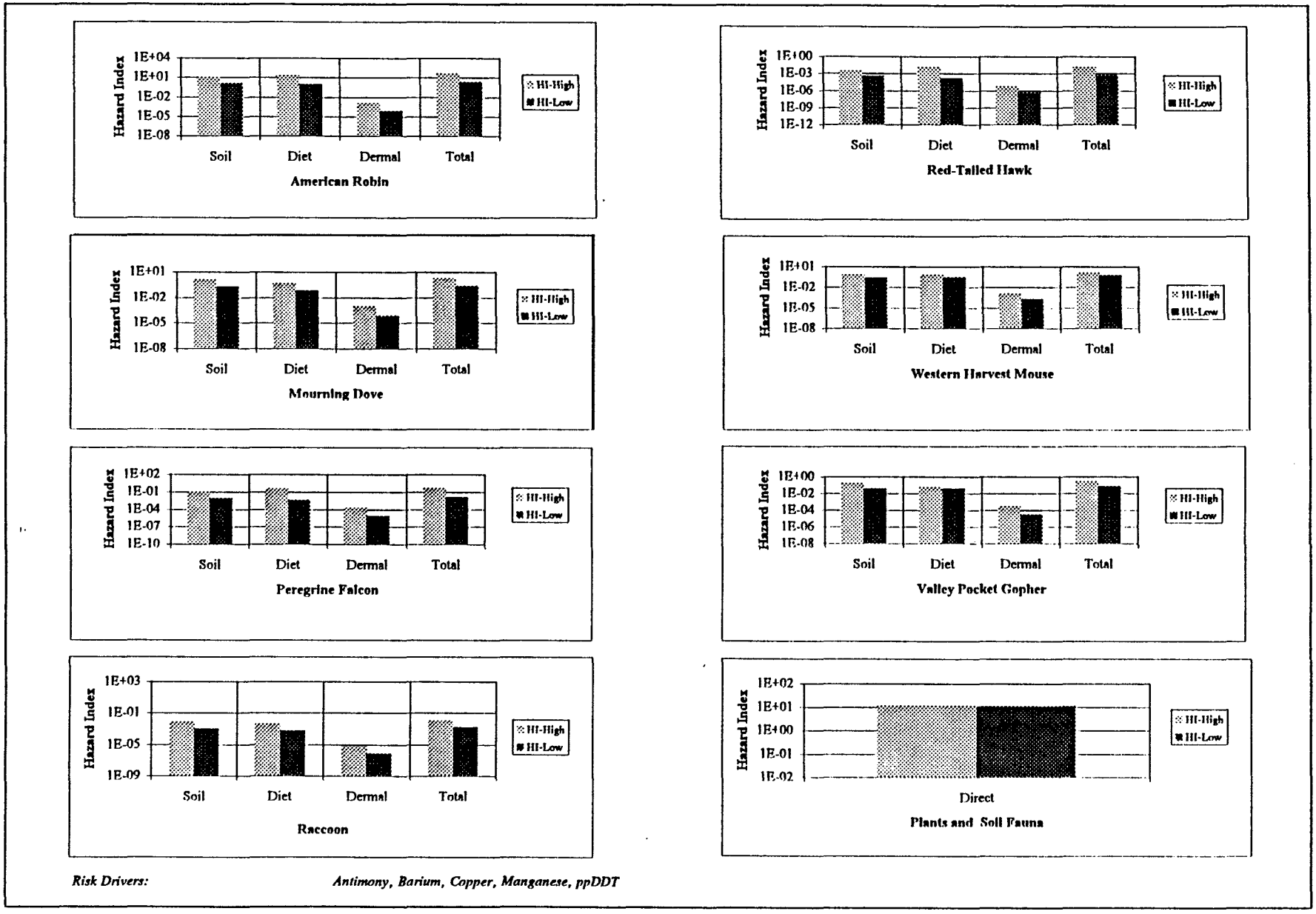


Figure 15.2-7 Hazard Indices for the Fill Site 7/East of Mason Shoreline Area



Risk Drivers: *Antimony, Barium, Copper, Manganese, ppDDT*

Figure 15.2-8 Hazard Indices for Wetland Receptors Exposed to Soils in the Crissy Field Future Wetland Area

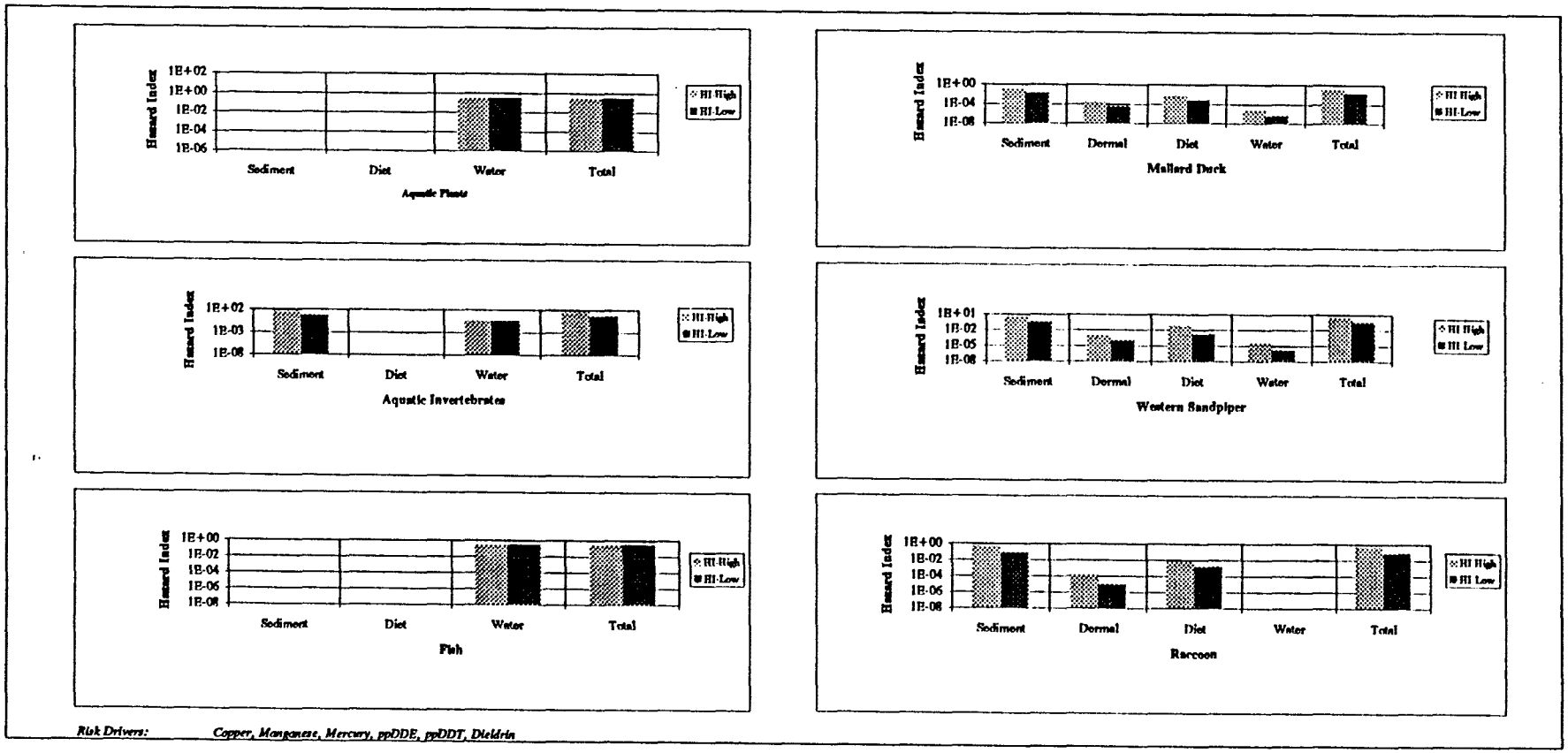


Figure 15.2-9 Hazard Indices for Terrestrial Receptors Exposed to Soils in the Crissy Field Future Wetland Area

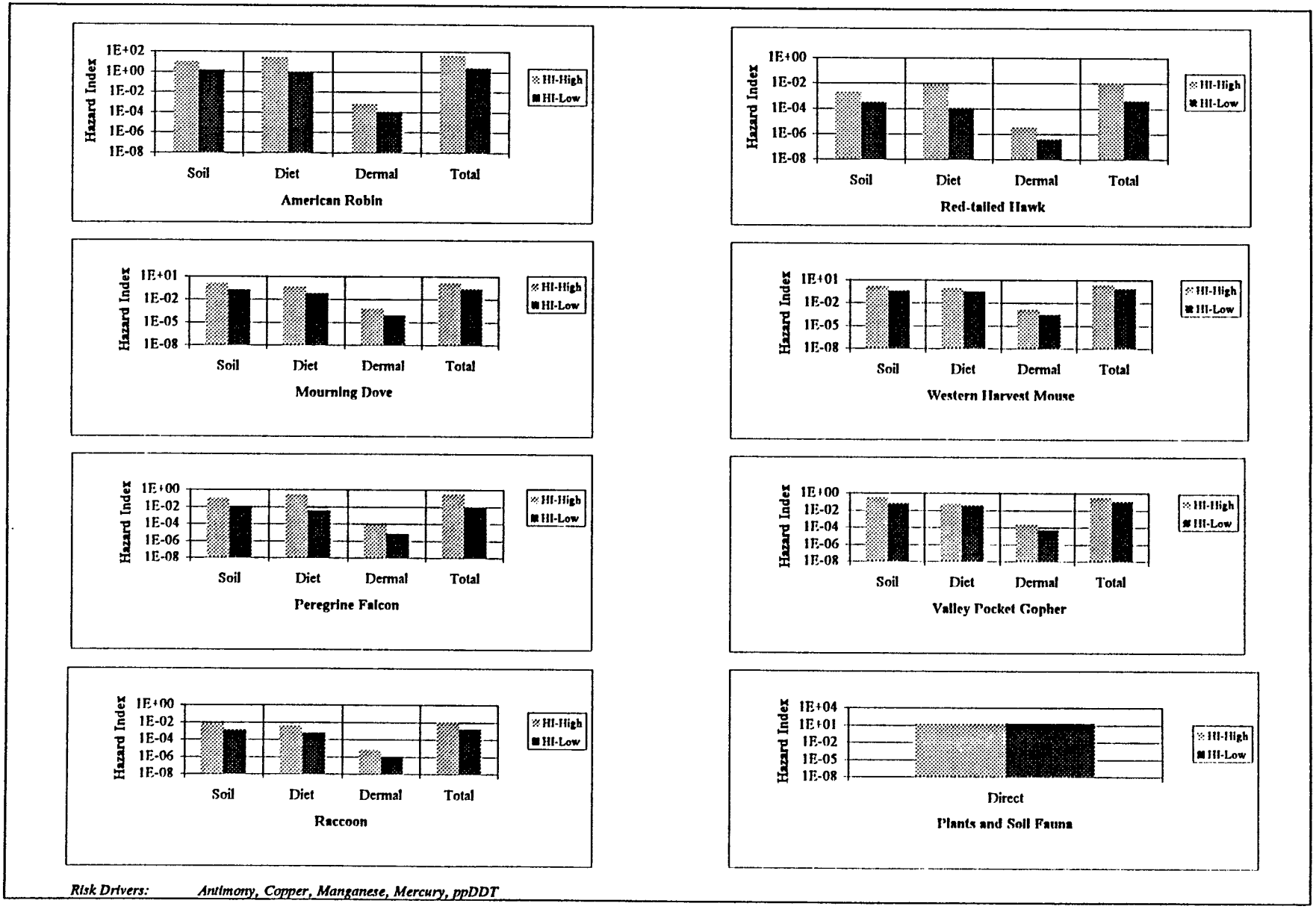


Figure 15.2-10a Hazard Indices for Water Exposure at the Crissy Field Future Wetland Area: Zero Dilution Scenario

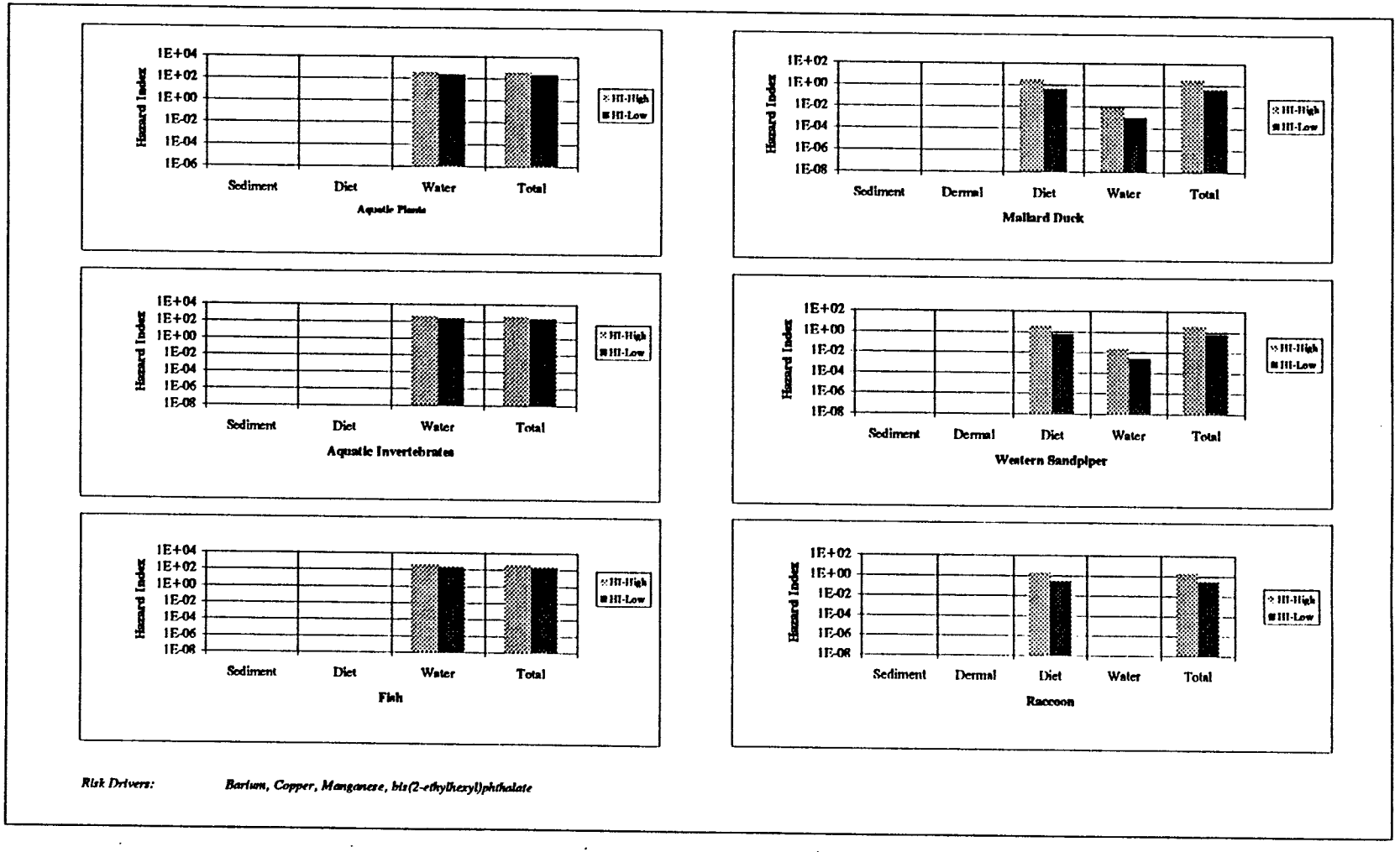


Figure 15.2-10b. Hazard Indices for Water Exposure at the Crissy Field Future Wetland Area: 50% Dilution Scenario

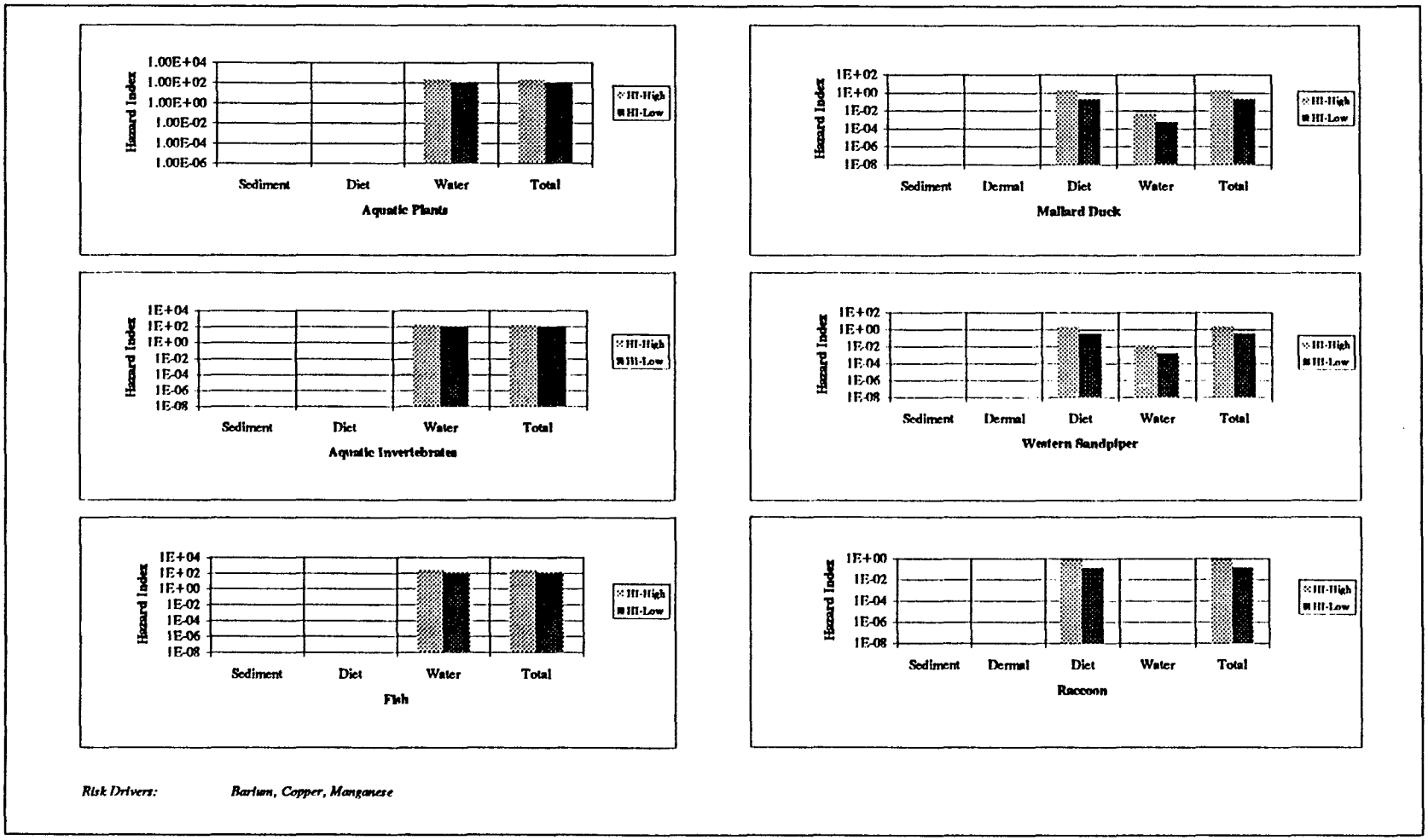


Figure 15.2-10c Hazard Indices for Water Exposure at the Crissy Field Future Wetland Area: 90% Dilution Scenario

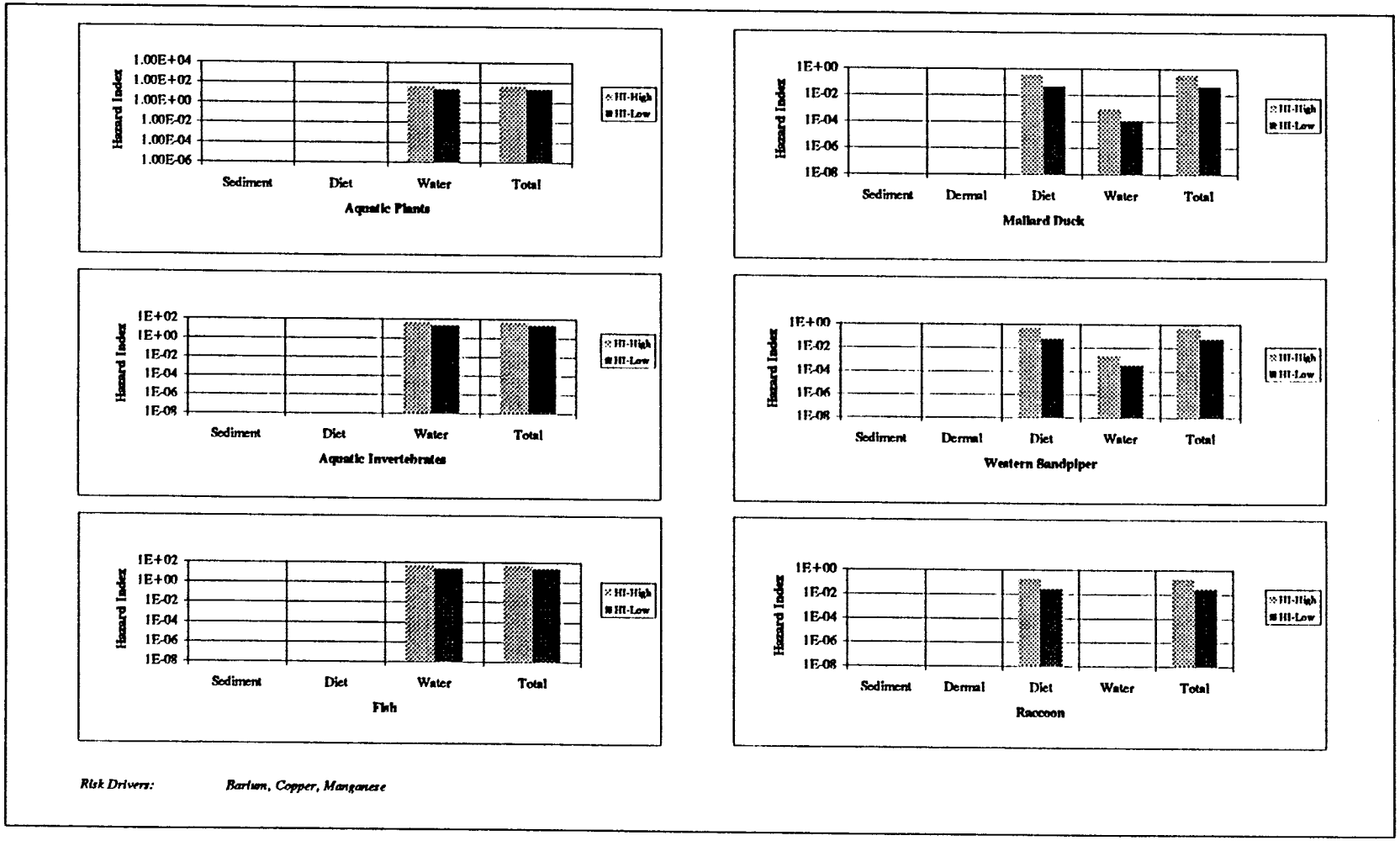


Figure 15.2-11 Hazard Indices for Building 609, Crissy Field Study Area

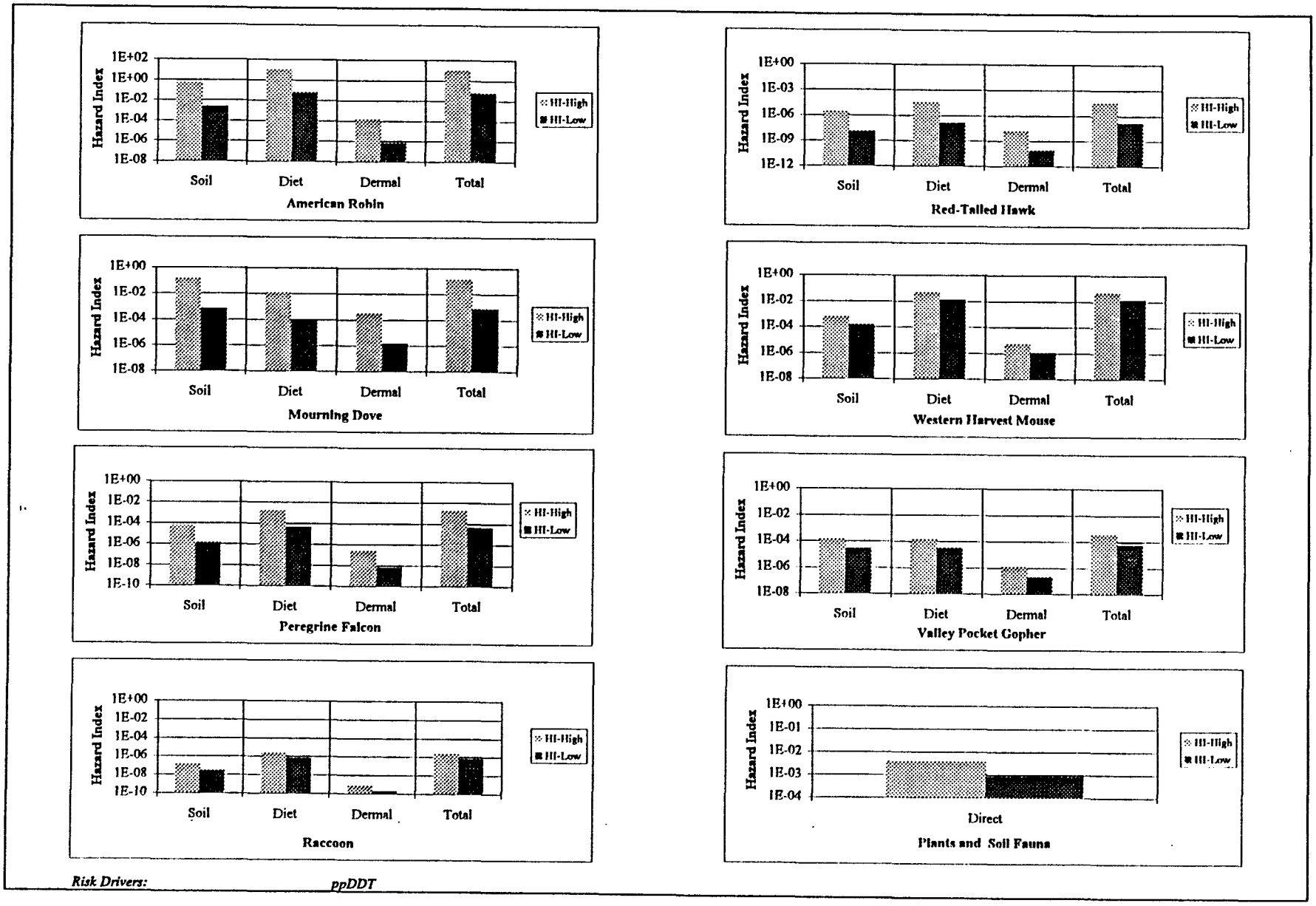
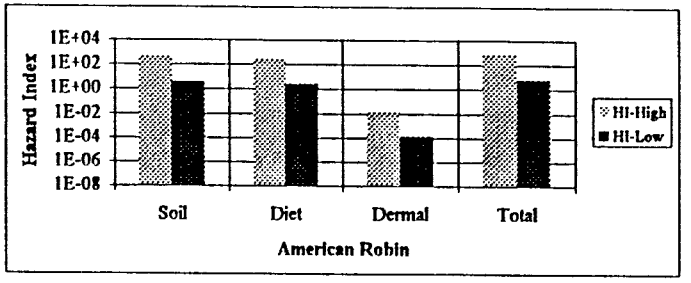
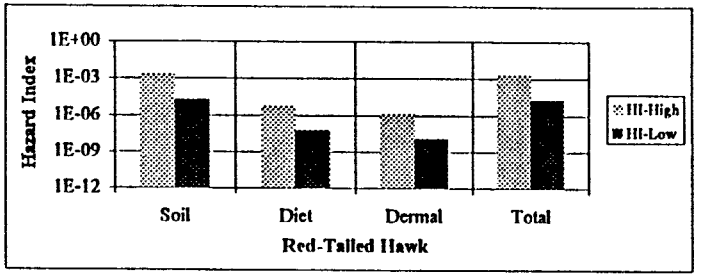
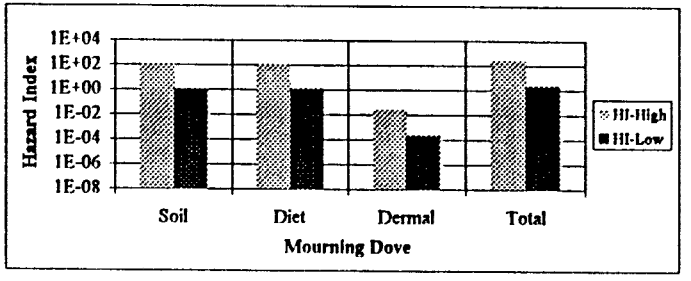
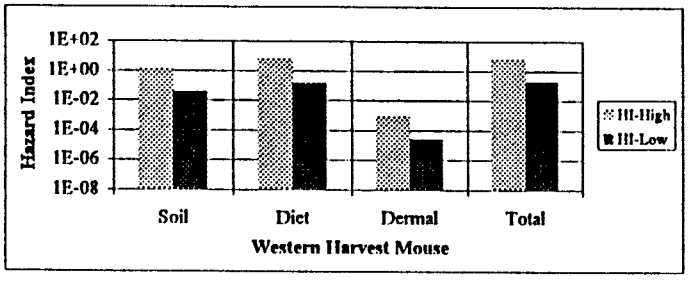


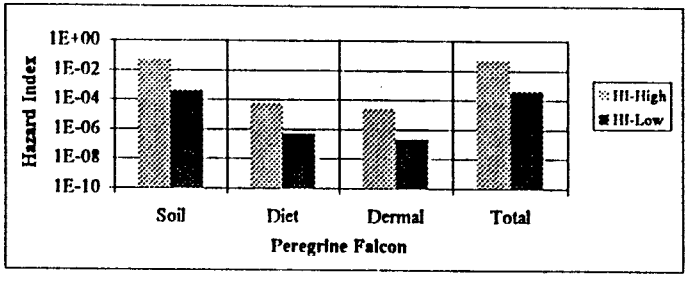
Figure 15.2-12 Hazard Indices for Building 633, Crissy Field Study Area

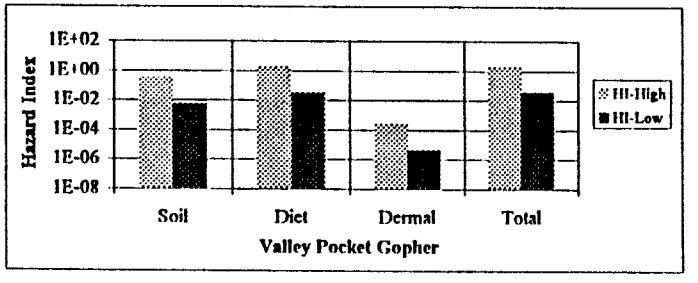


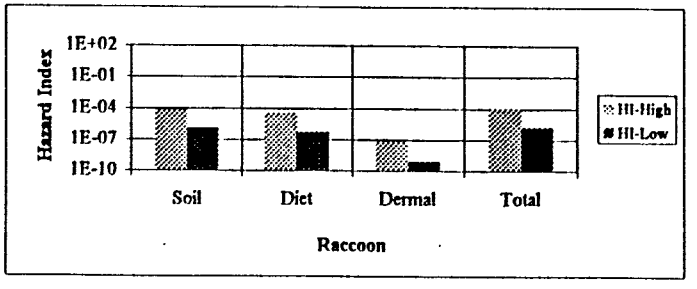


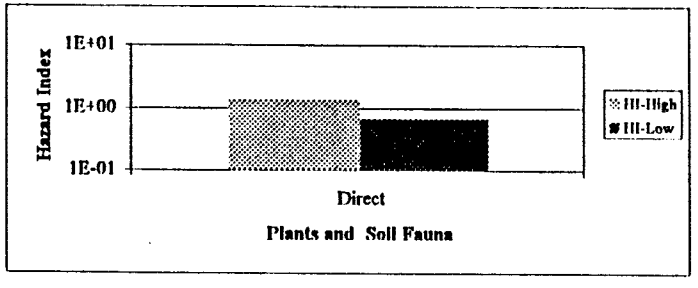






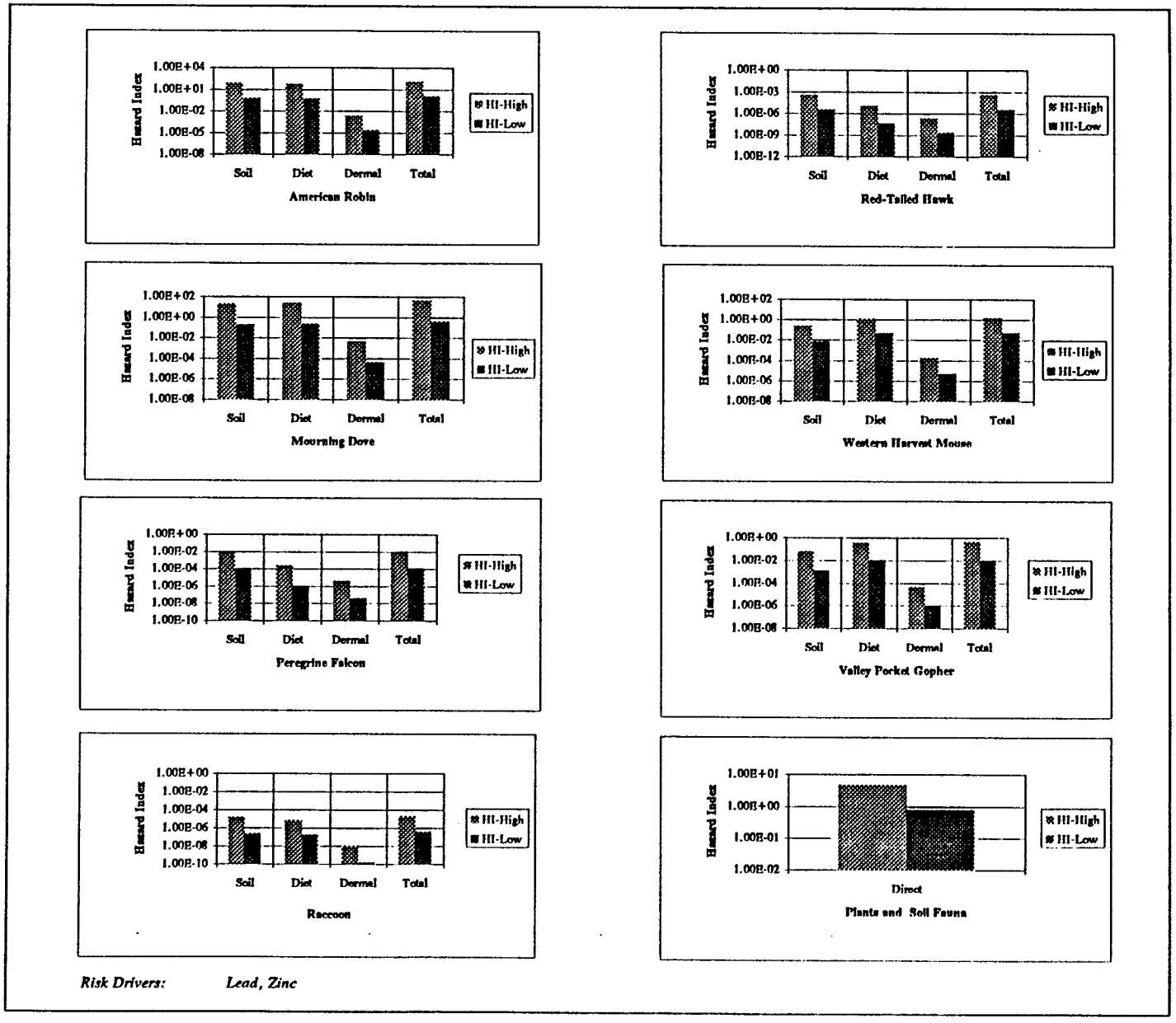






Risk Drivers: *Lead*

Figure 15.2-13 Hazard Indices for Crissy Field Sewer Lift Station 1



Risk Drivers: *Lead, Zinc*

Figure 15.2-14 Hazard Indices for Crissy Field Sewer Lift Station 2

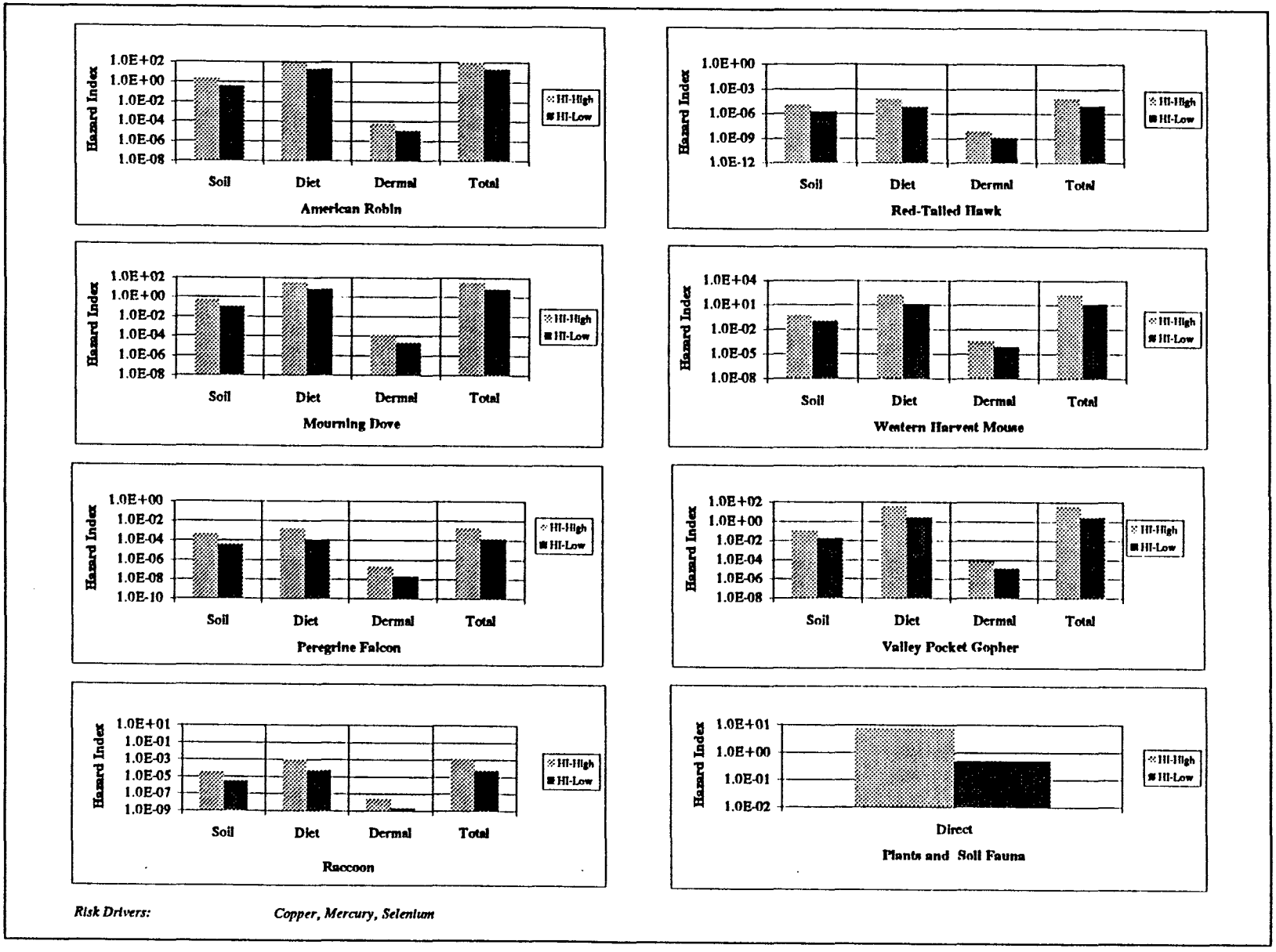
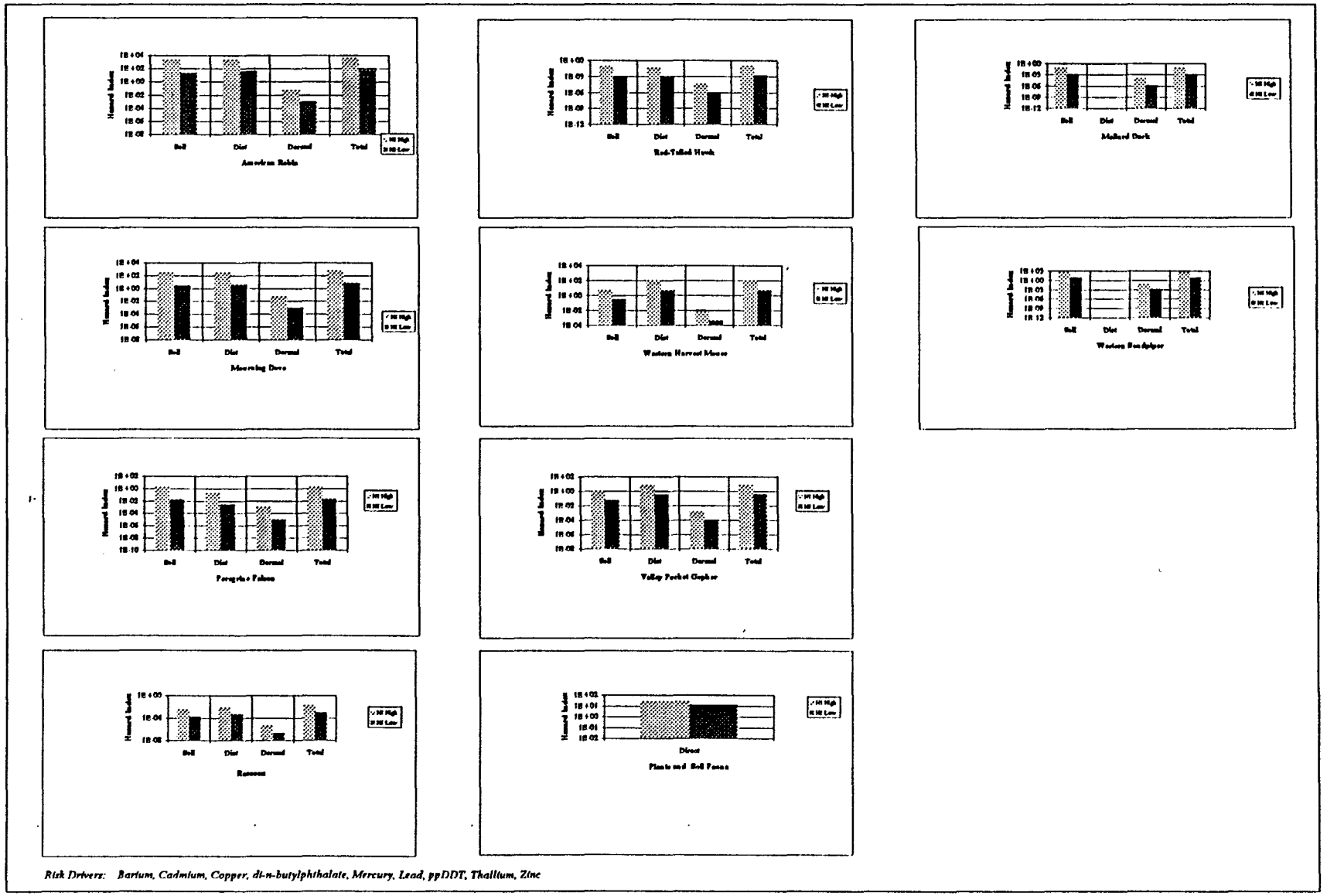
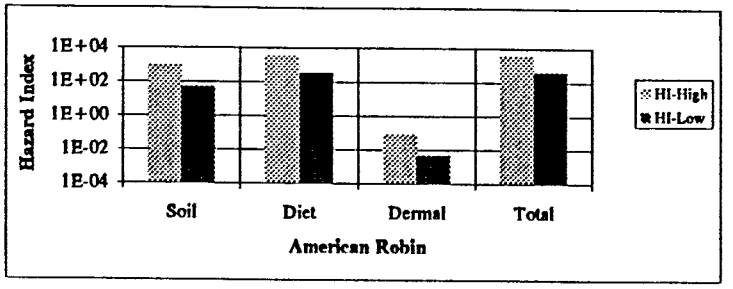


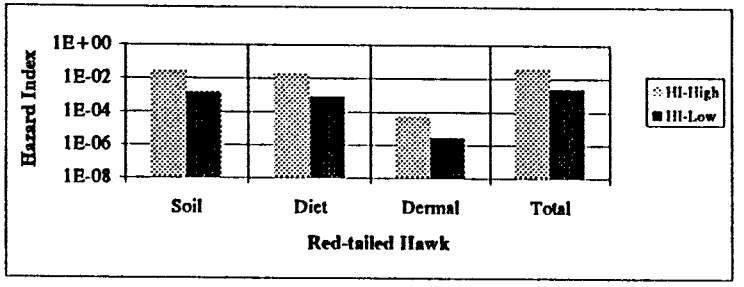
Figure 15.2-15 Hazard Indices for the Building 900s Series Study Area

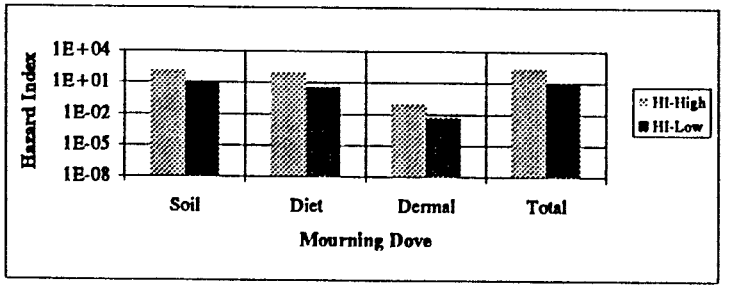


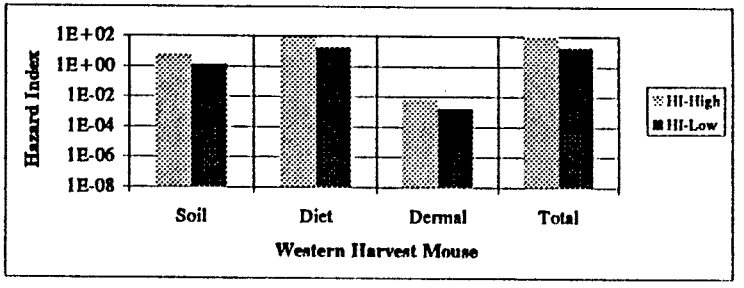
Risk Drivers: Barium, Cadmium, Copper, di-n-butylphthalate, Mercury, Lead, ppDDT, Thallium, Zinc

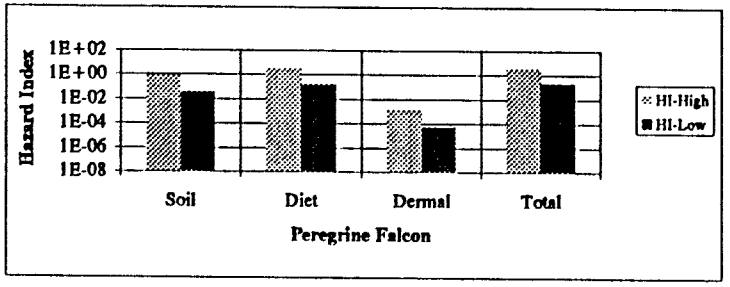
Figure 15.2-16 Hazard Indices for the DEH Study Area

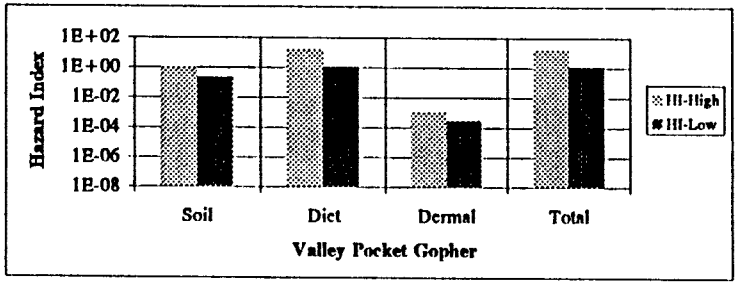


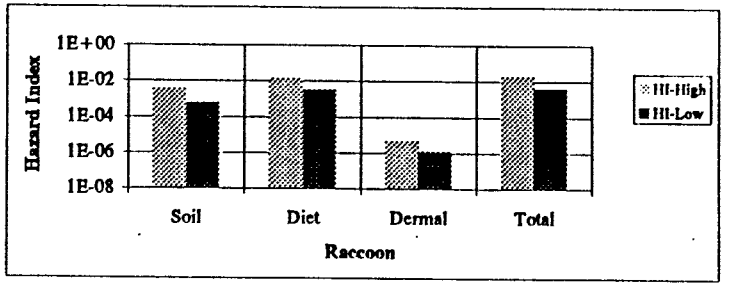


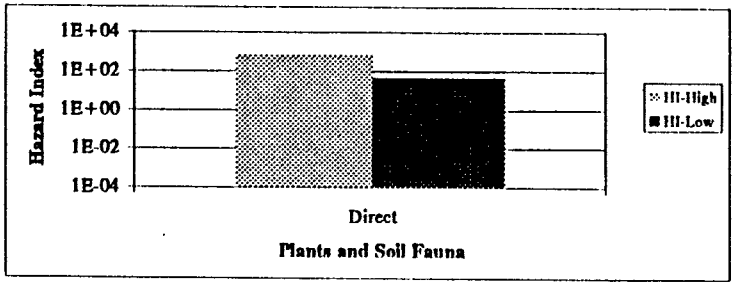






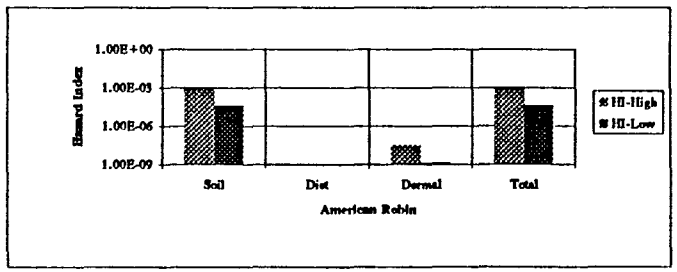


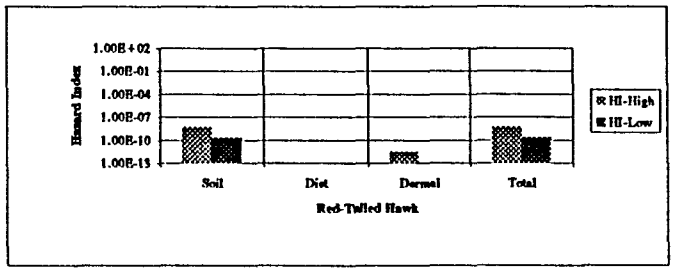


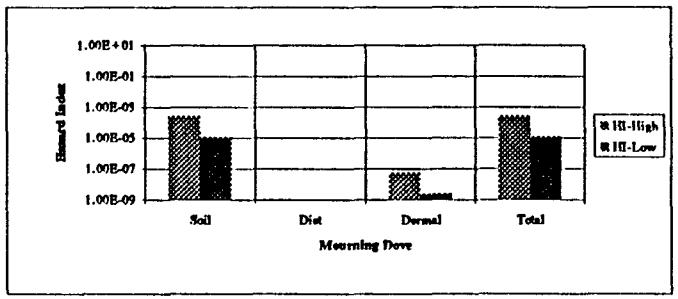


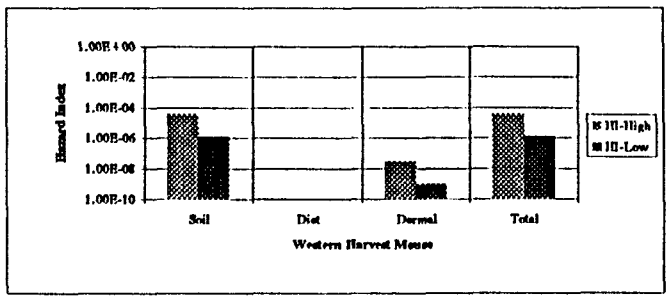
Risk Drivers: *Antimony, Cadmium, Chlordane, Chromium, Copper, Dieldrin, Endrin, Heptachlor, Lead, Manganese, Mercury, ppDDD, ppDDT, Selenium, Zinc*

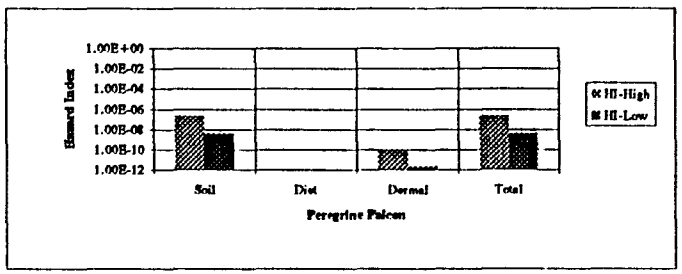
Figure15.2-17 Hazard Indices for Building 228, Main Post Study Area

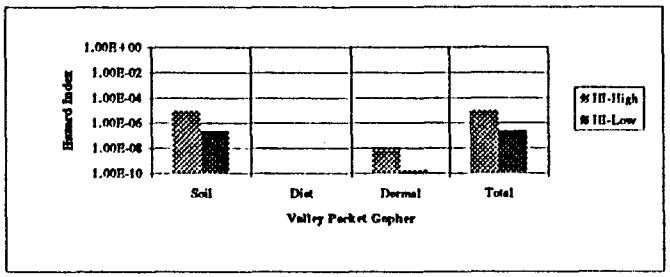


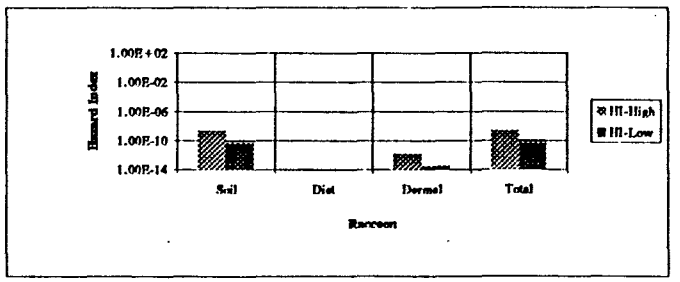


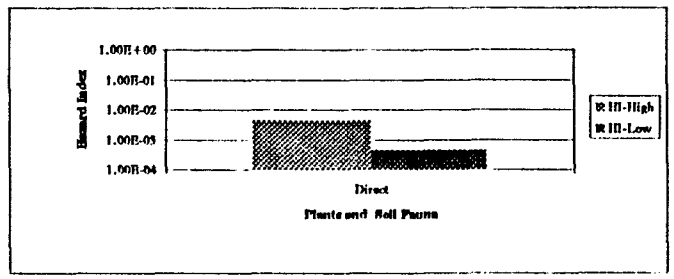






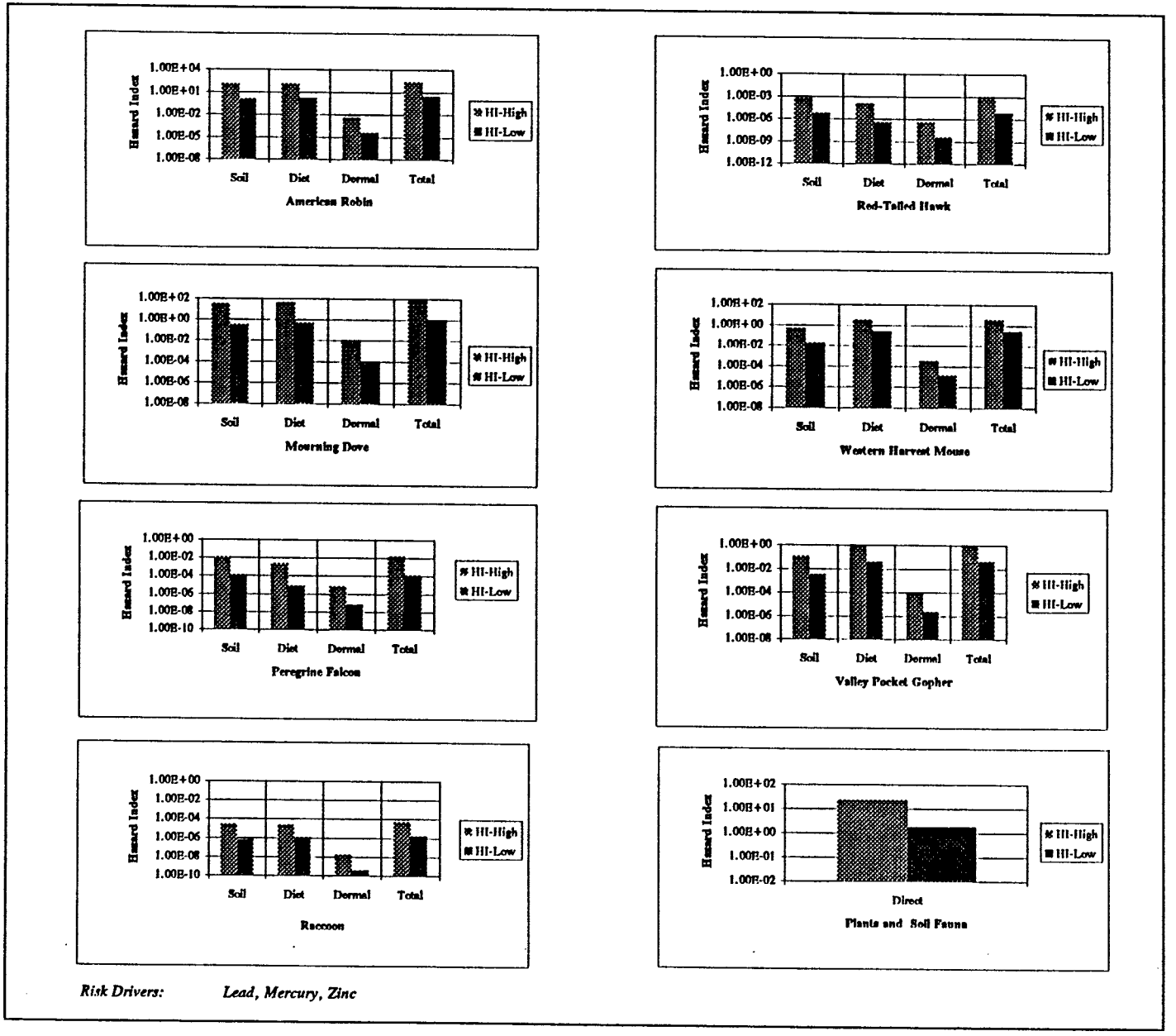






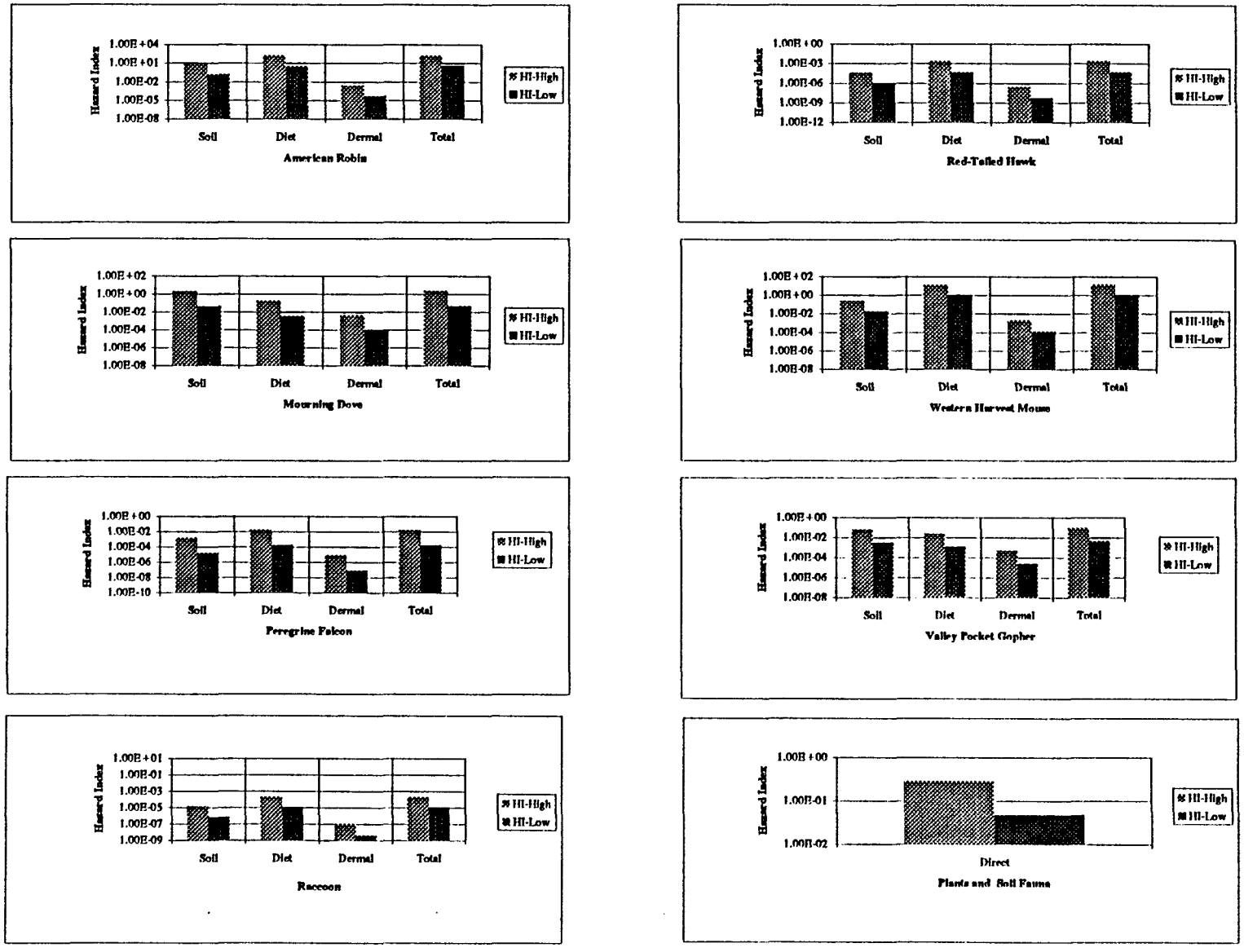
Risk Drivers: *None*

Figure 15.2-18 Hazard Indices for Building 1167, Main Post Study Area



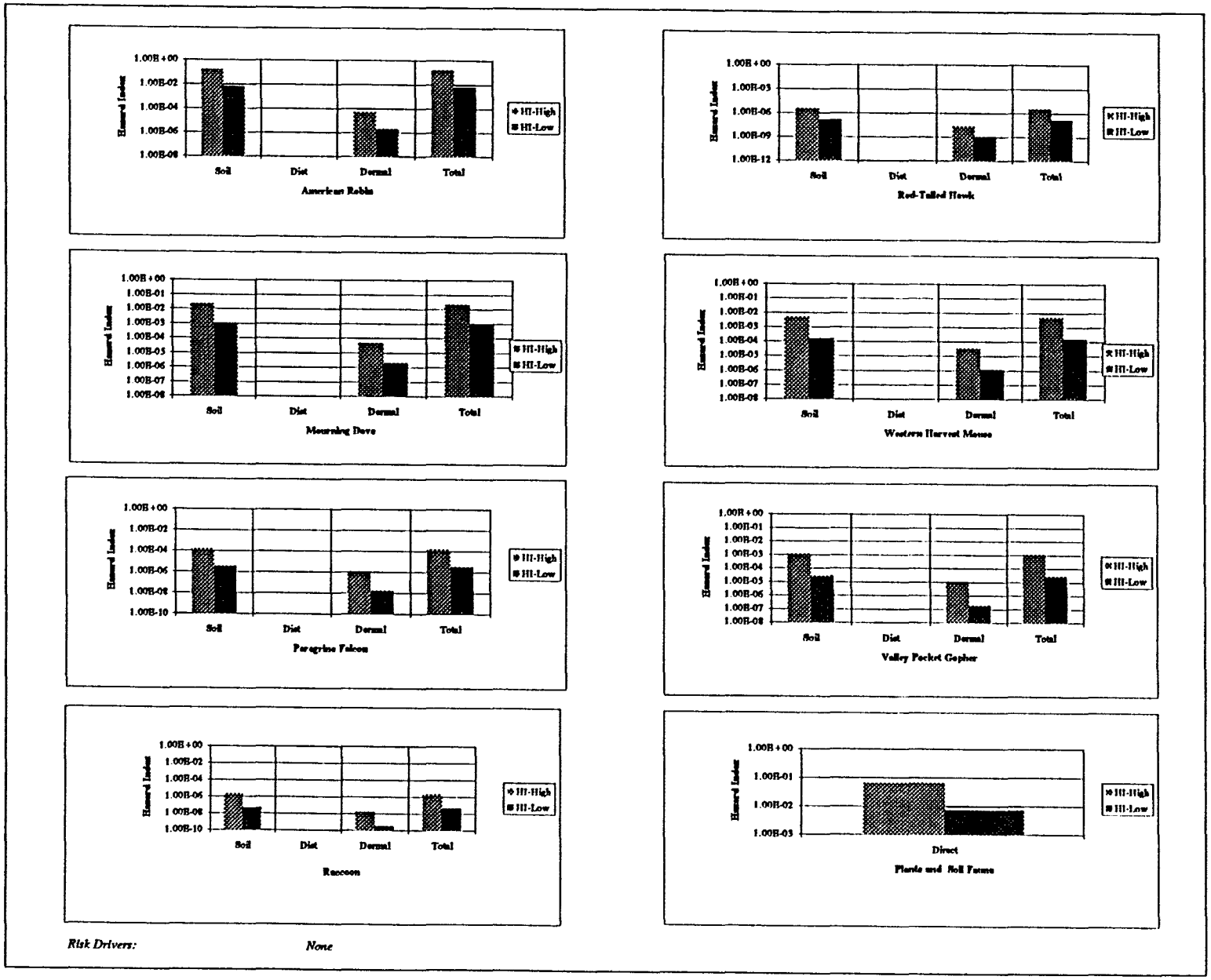
Risk Drivers: *Lead, Mercury, Zinc*

Figure 15.2-19 Hazard Indices for Building 1151, Main Post Study Area



Risk Drivers: *PCB 1260*

Figure 15.2-20 Hazard Indices for Fill Site 1, Fill Sites and Landfills



Risk Drivers: *None*

Figure 15.2-21 Hazard Indices for Landfill 2, Fill Sites and Landfills

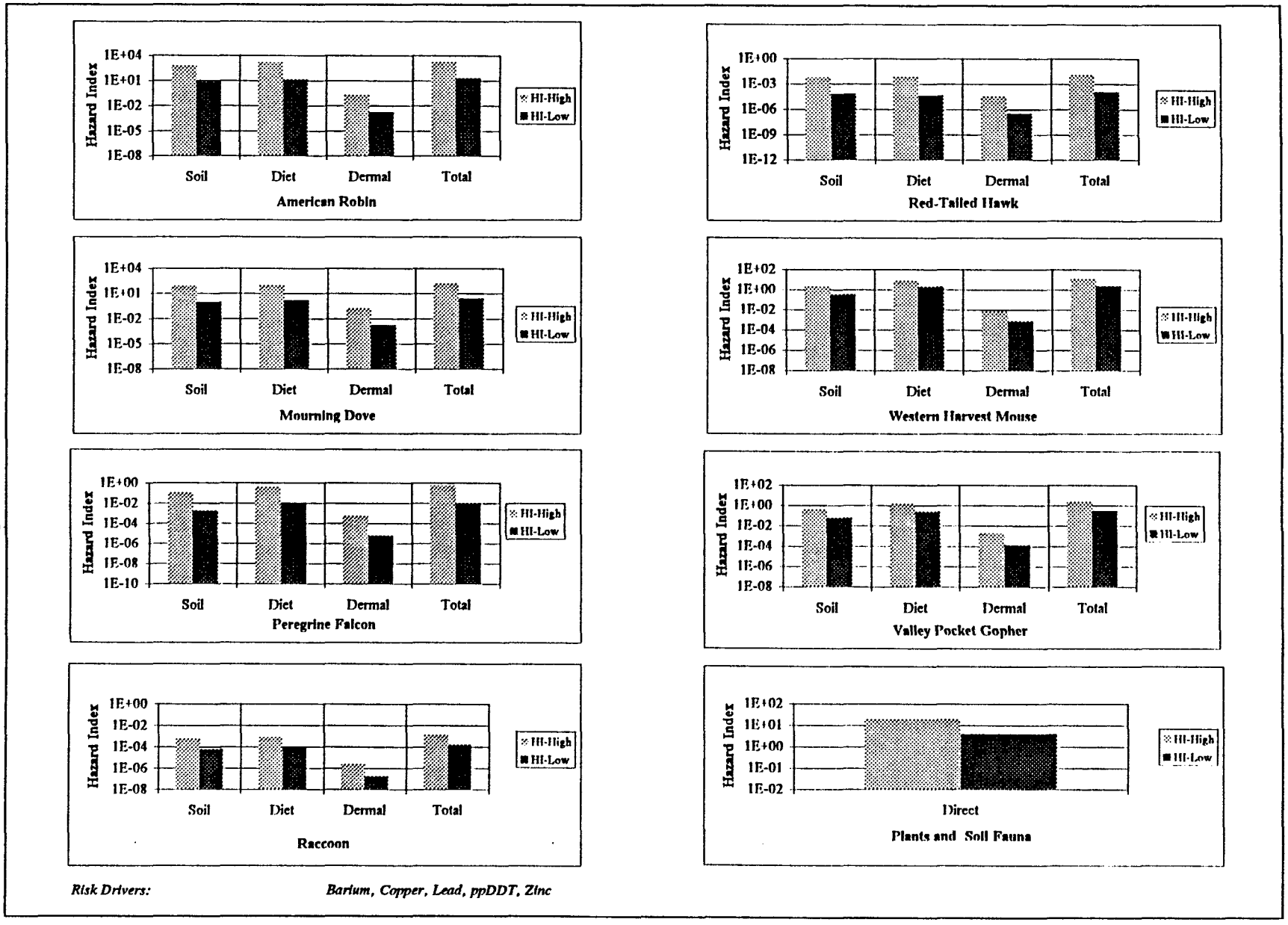
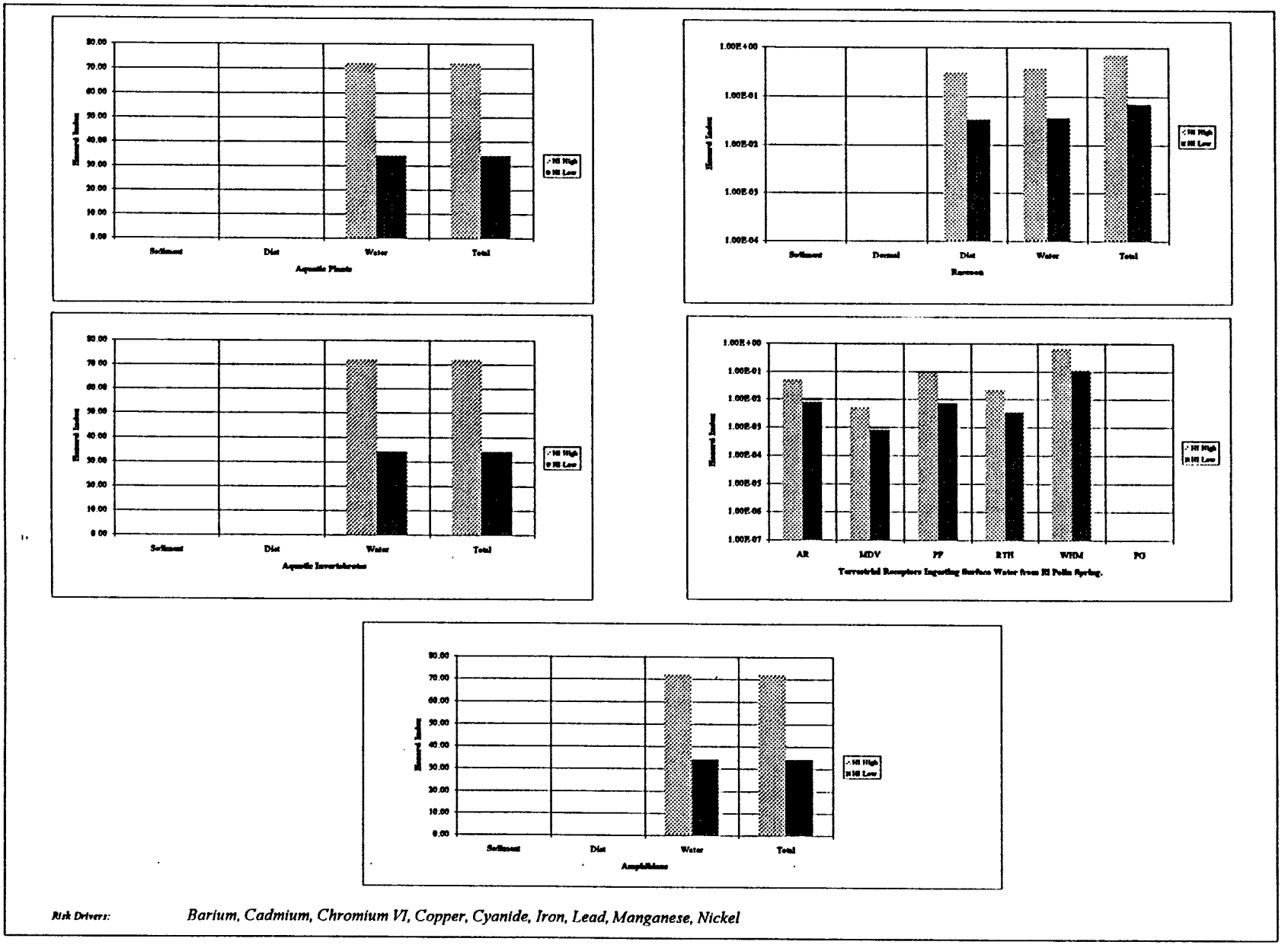
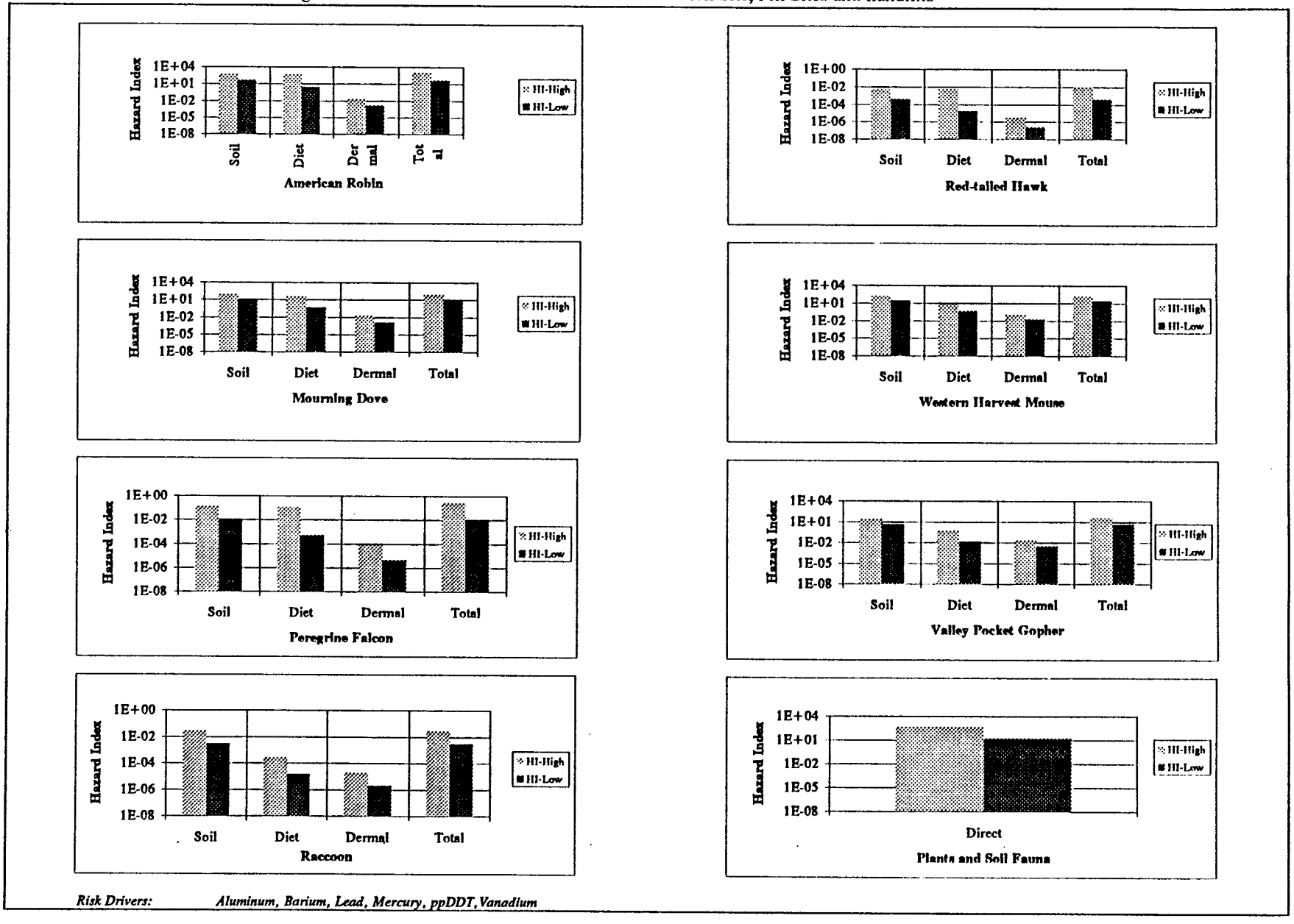


Figure 15.2-22 Hazard Indices for El Polin Spring, Fill Sites and Landfills



Risk Drivers: *Barium, Cadmium, Chromium VI, Copper, Cyanide, Iron, Lead, Manganese, Nickel*

Figure 15.2-23 Hazard Indices for the Transfer Station Site, Fill Sites and Landfills



Risk Drivers: *Aluminum, Barium, Lead, Mercury, ppDDT, Vanadium*

Figure 15.2-24 Hazard Indices for Landfill 4, Fill Sites and Landfills

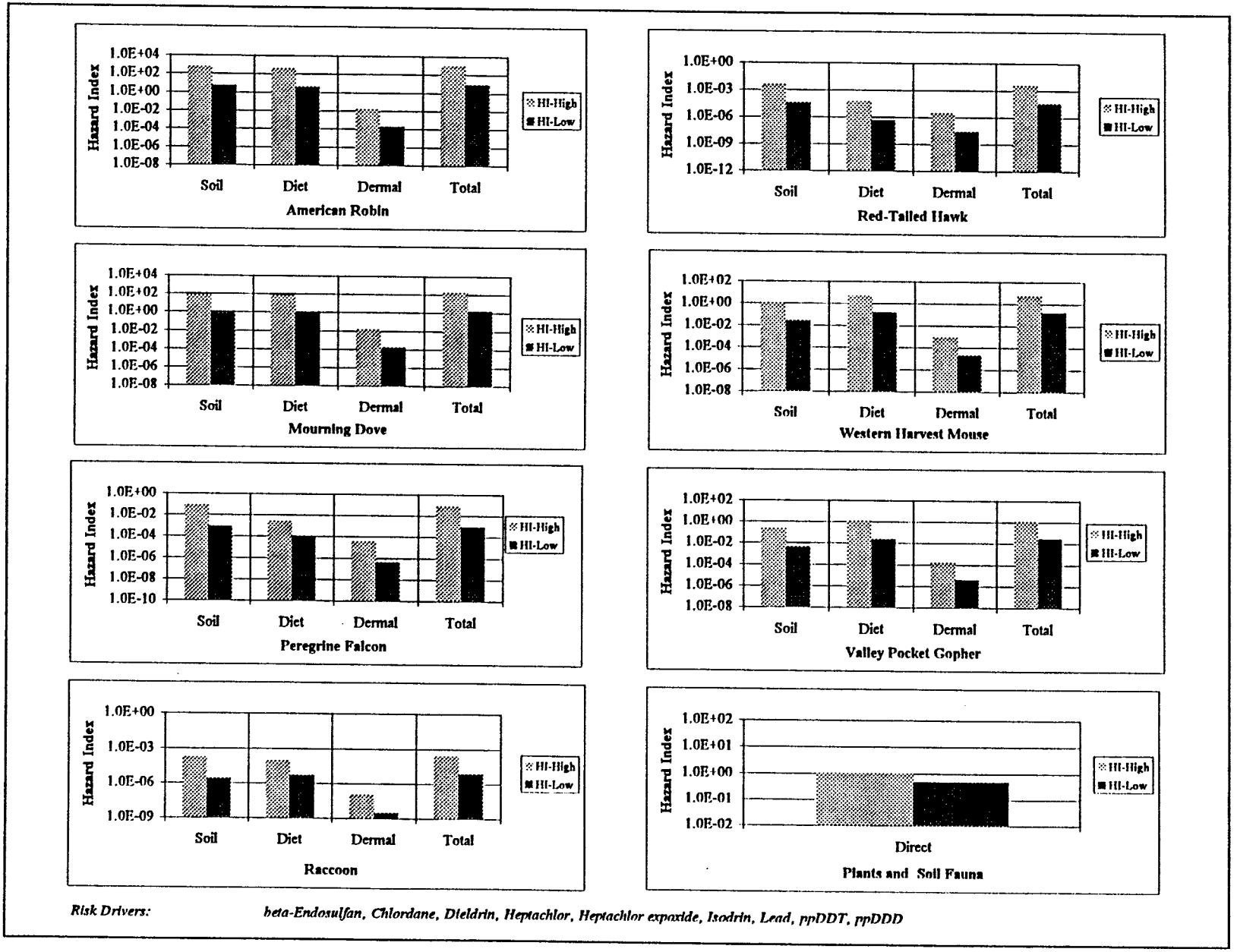
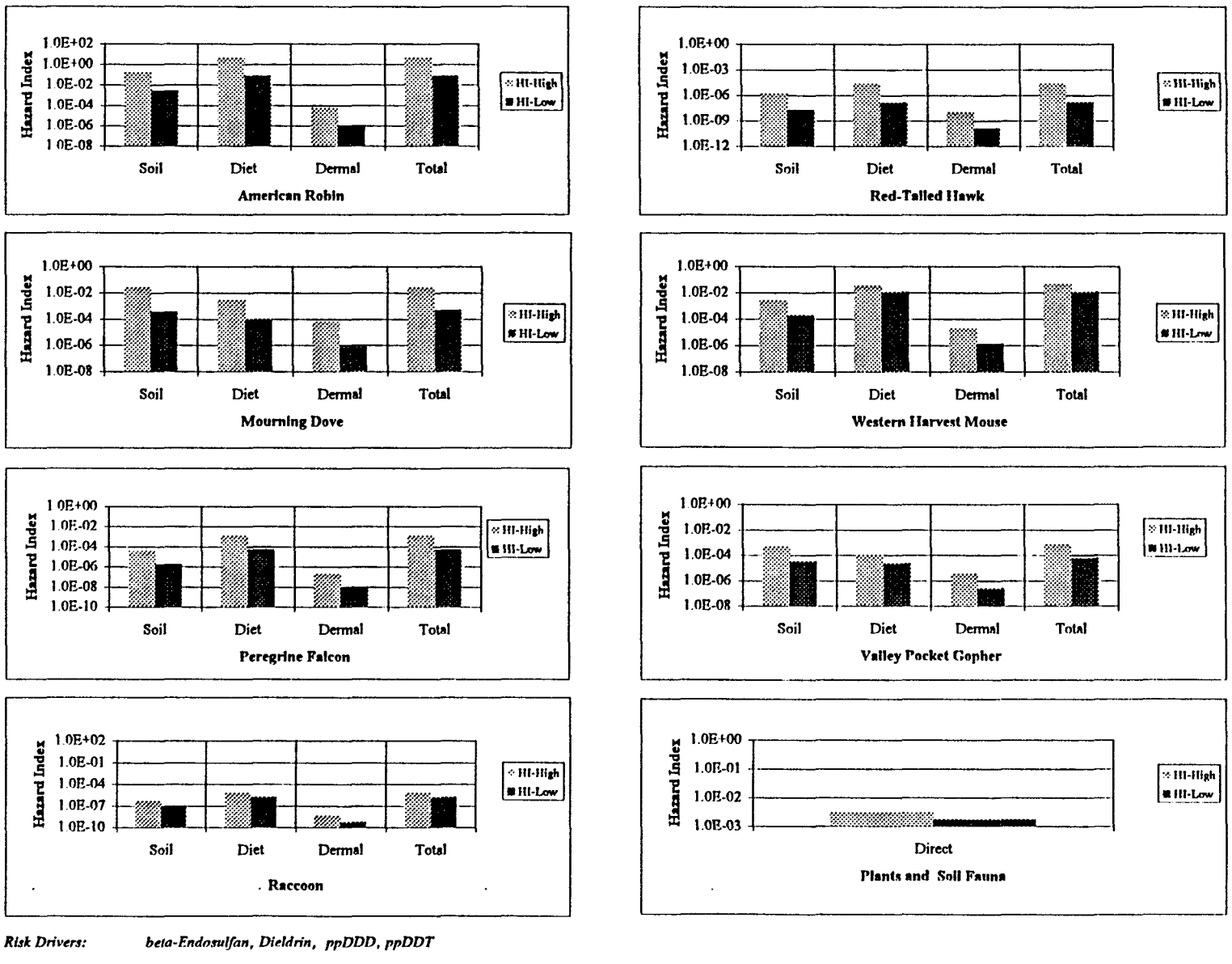
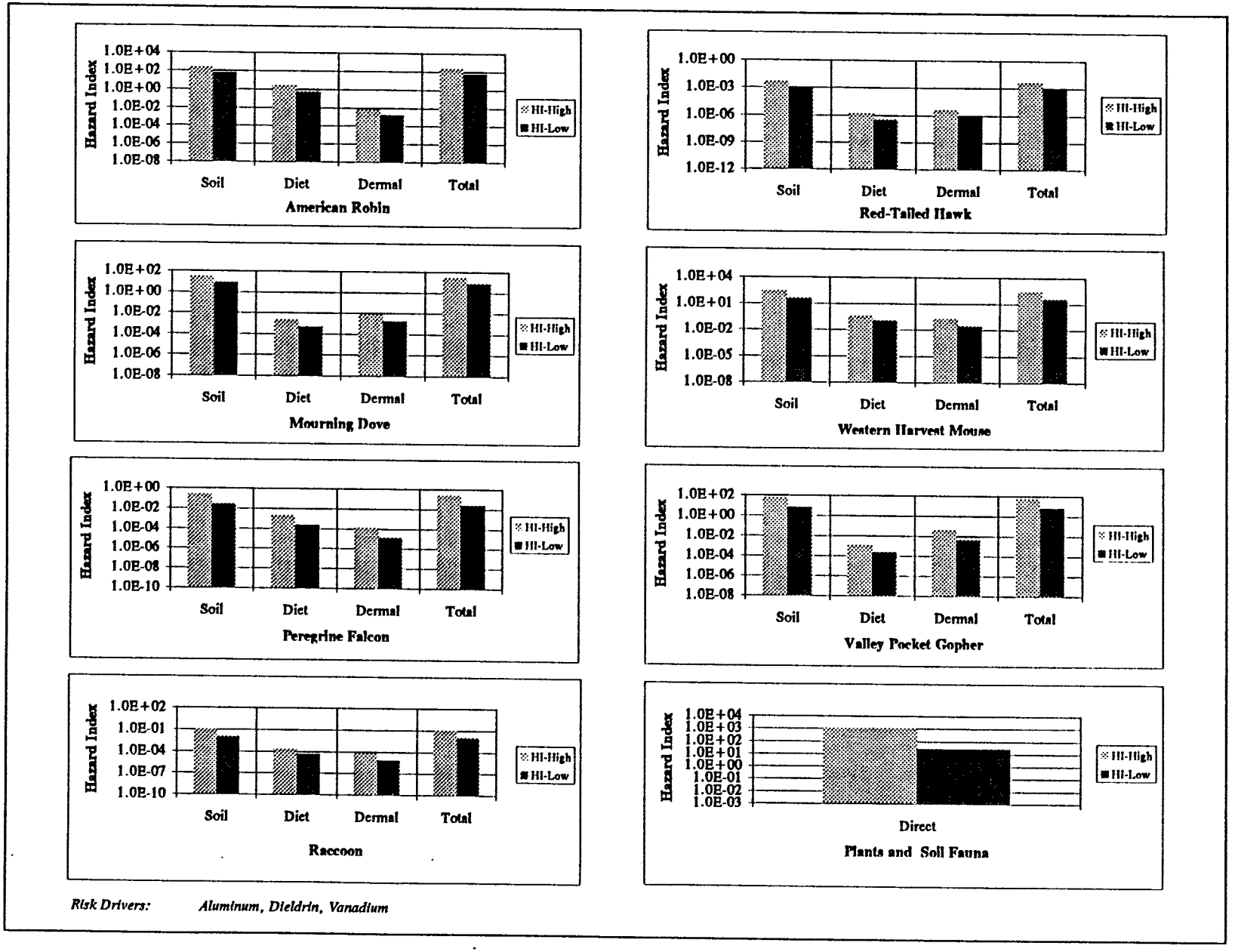


Figure 15.2-25 Hazard Indices for Fill Site 5, Fill Sites and Landfills



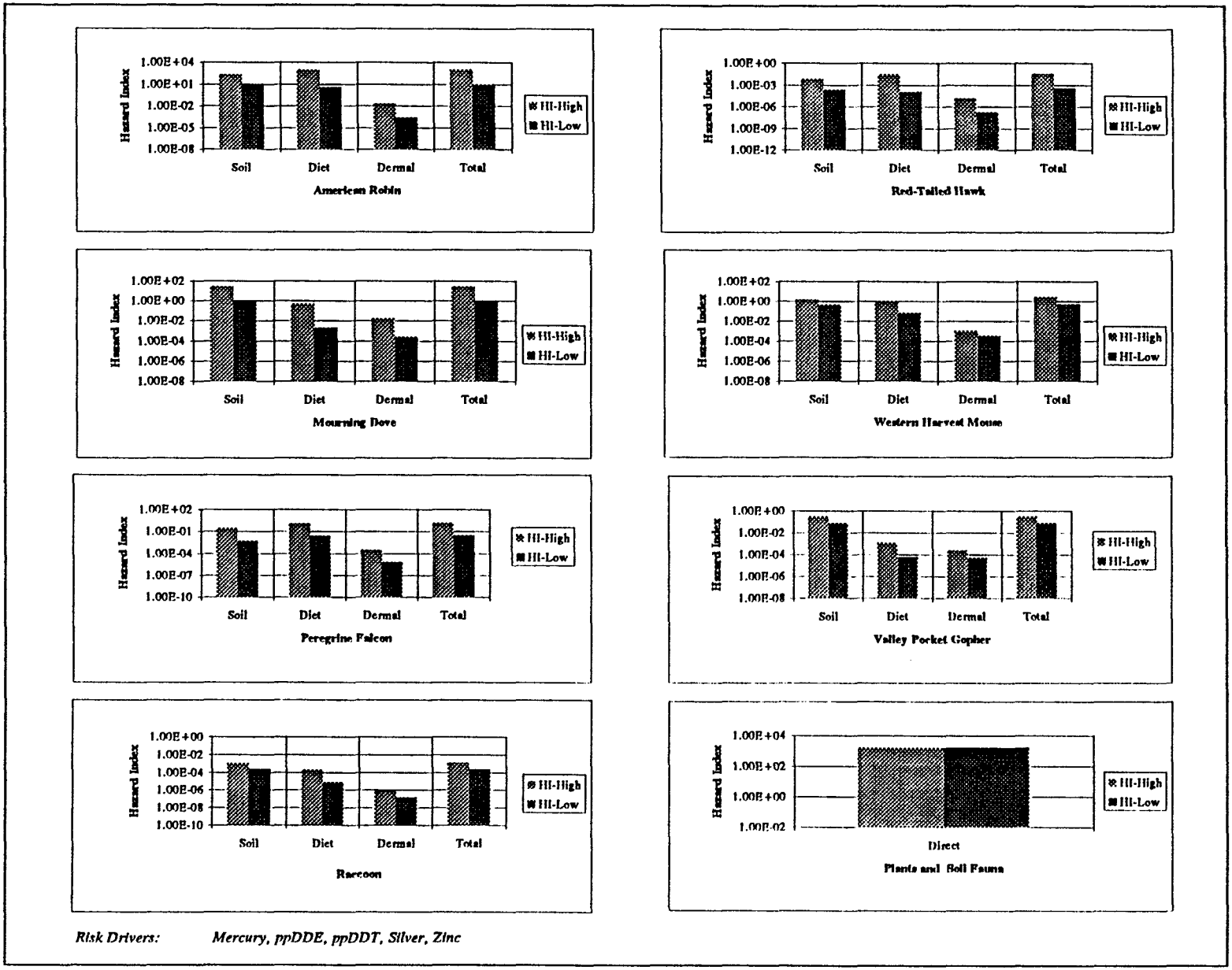
Risk Drivers: *beta-Endosulfan, Dieldrin, ppDDD, ppDDT*

Figure 15.2-26 Hazard Indices for Graded Area 9, Fill Sites and Landfills



Risk Drivers: *Aluminum, Dieldrin, Vanadium*

Figure 15.2-27 Hazard Indices for Landfill E, Fill Sites and Landfills



Risk Drivers: *Mercury, ppDDE, ppDDT, Silver, Zinc*

Figure 15.2-28. Hazard Indices for Building 662, Miscellaneous Sites

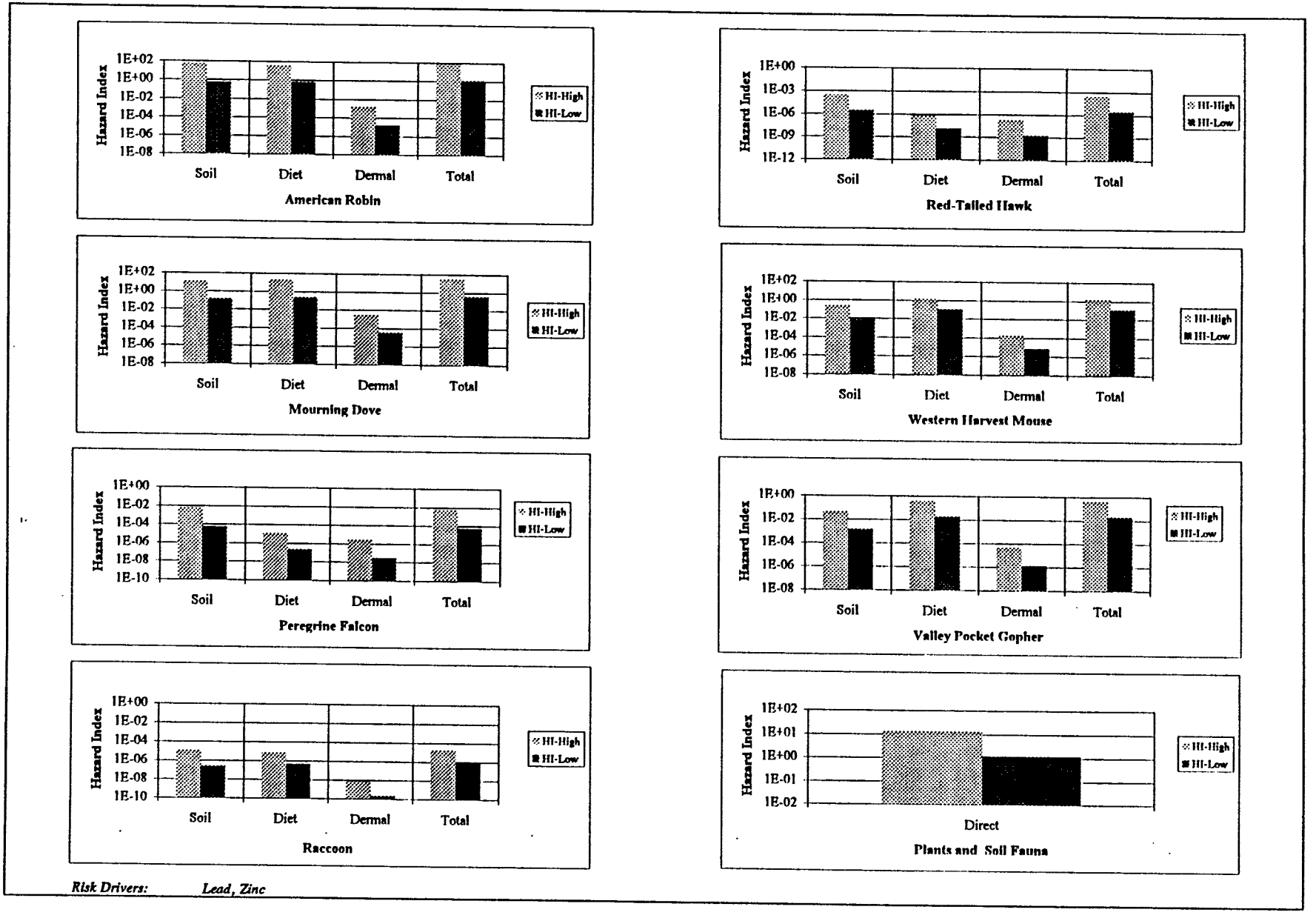


Figure 15.2-29 Hazard Indices for Building 680, Miscellaneous Sites

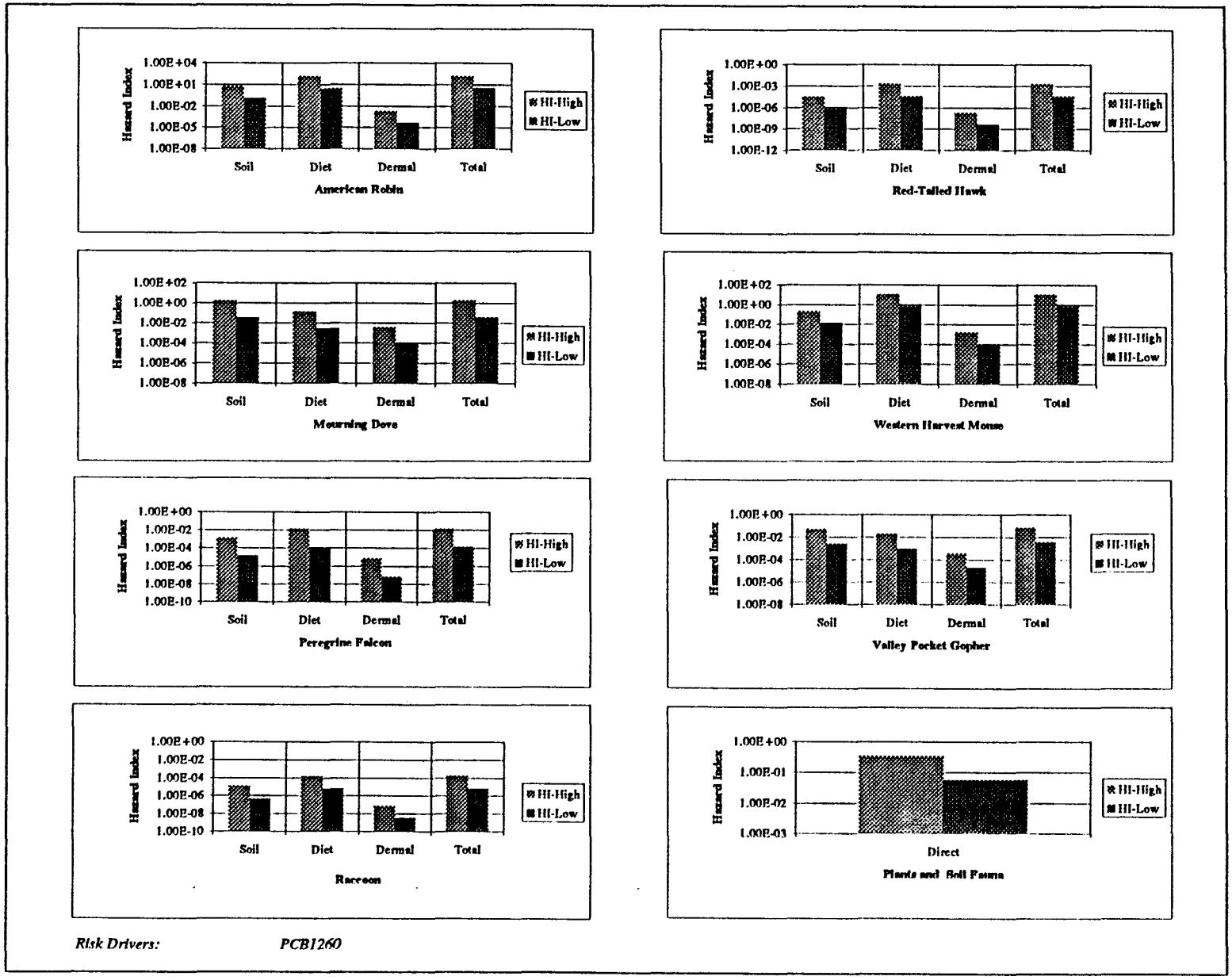
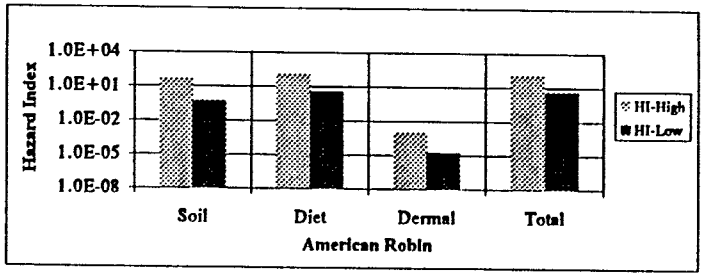
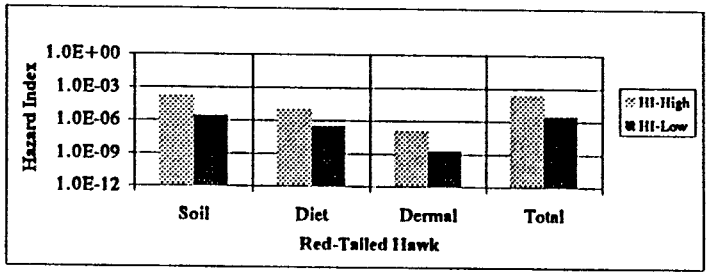
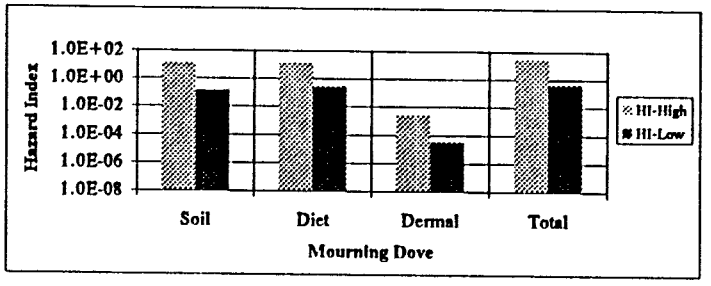
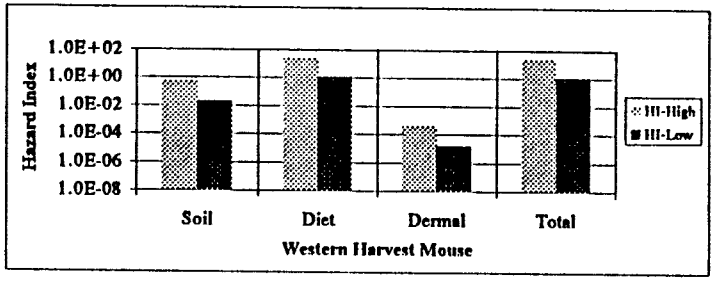


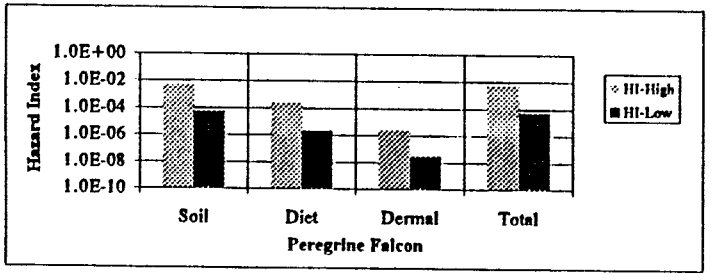
Figure 15.2-30 Hazard Indices for Building 1351, Miscellaneous Sites

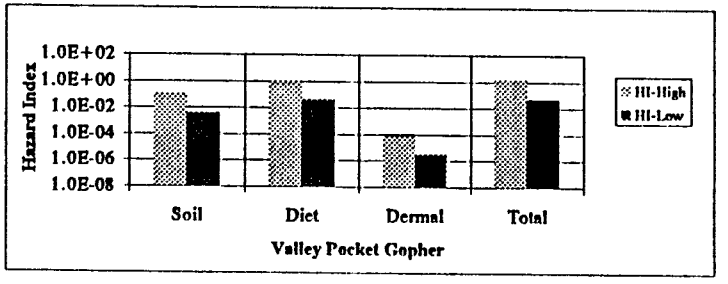


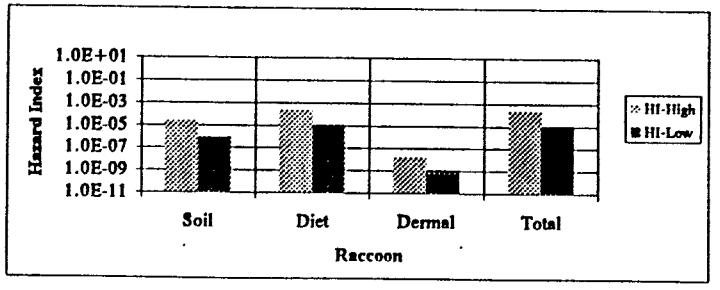


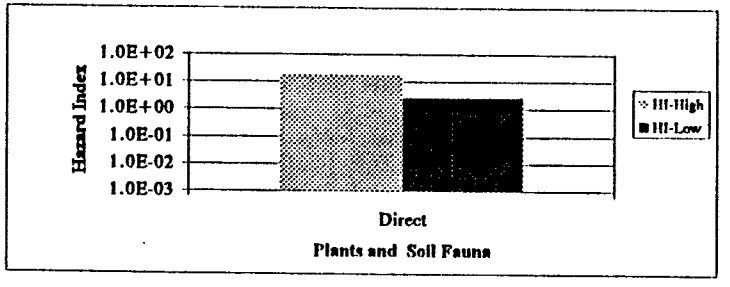












Risk Drivers: *Cadmium, Copper, Lead, Zinc*

Figure 15.2-31 Hazard Indices for the Fort Point Coast Guard Station, Miscellaneous Sites

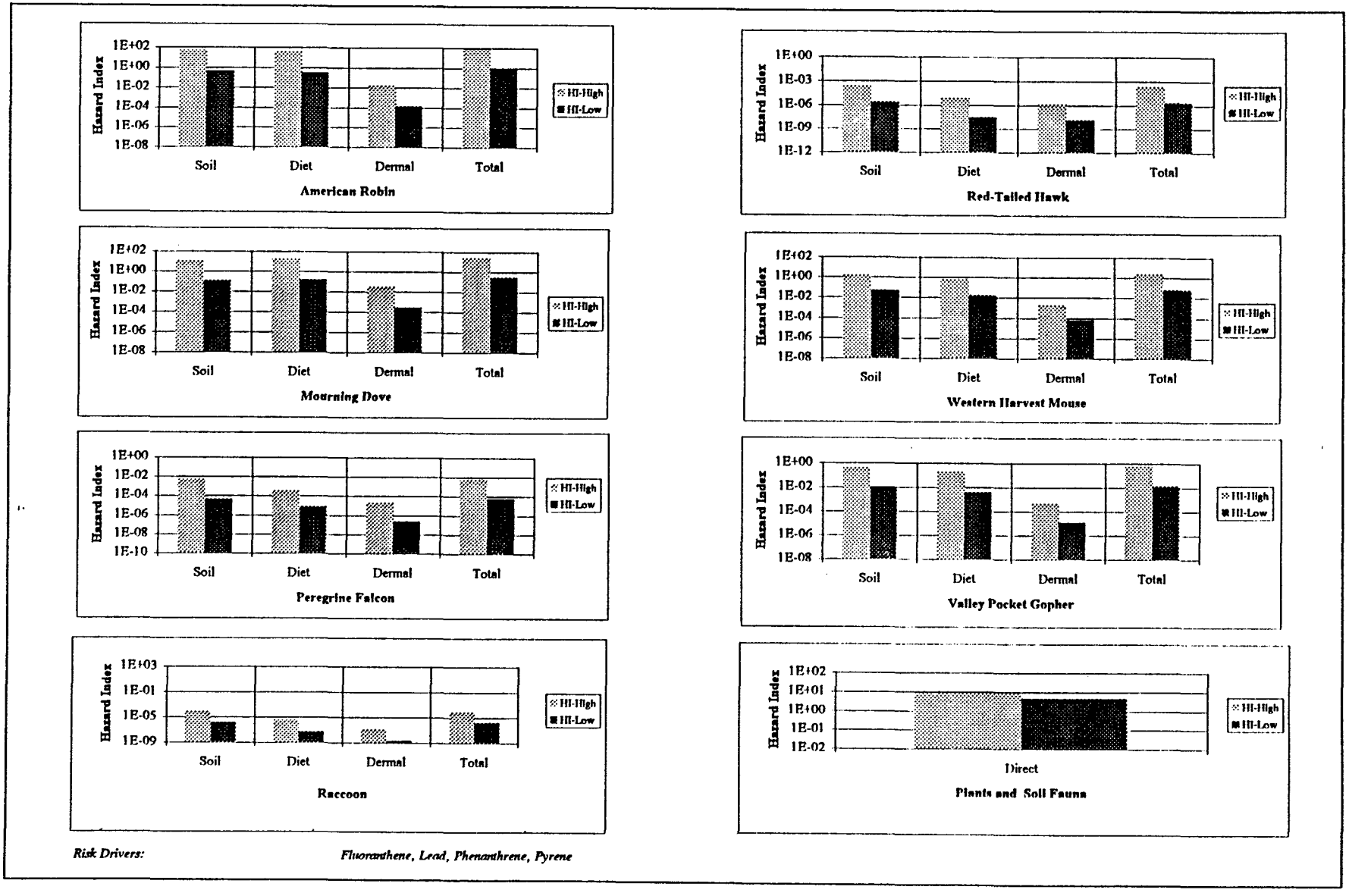
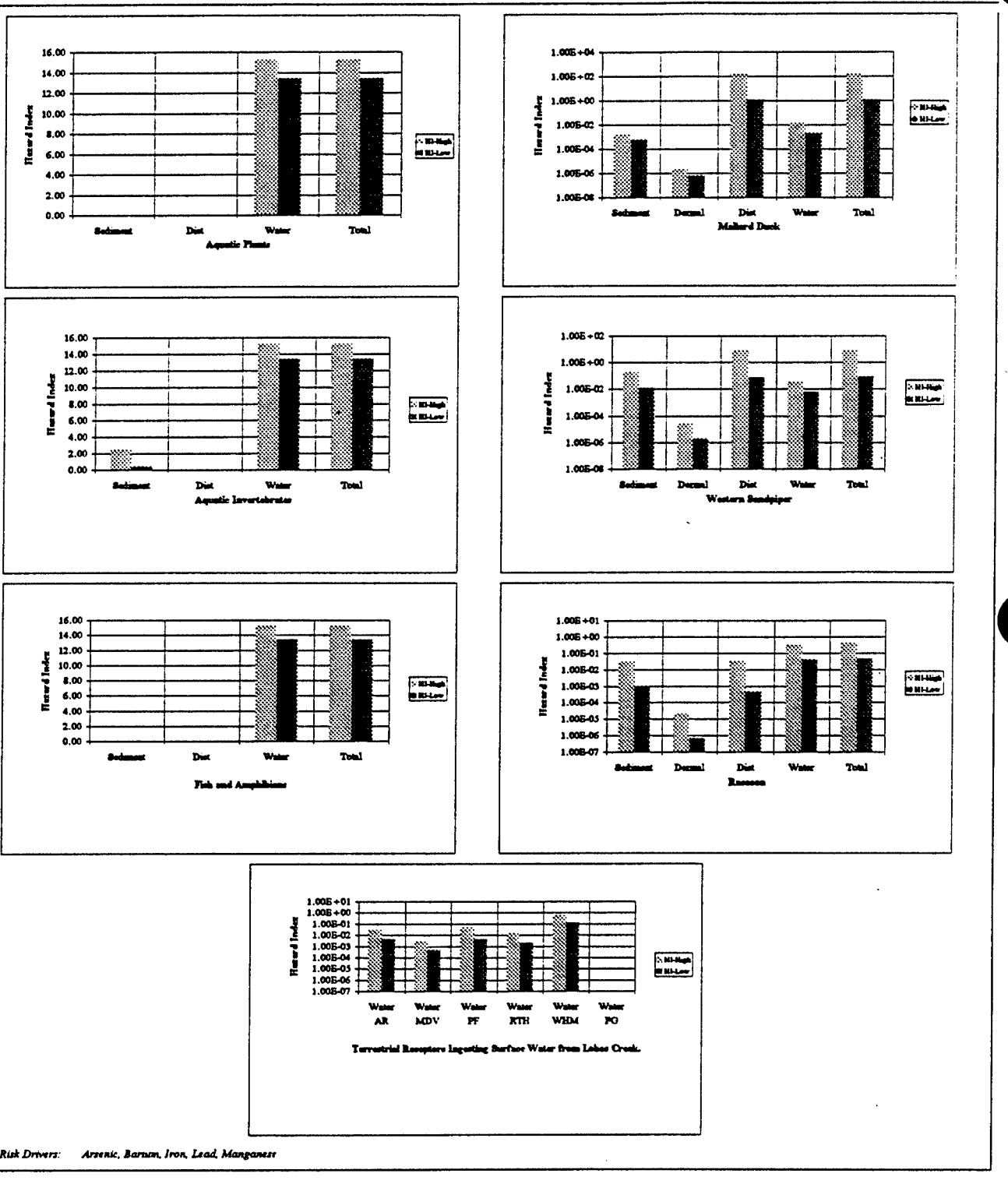
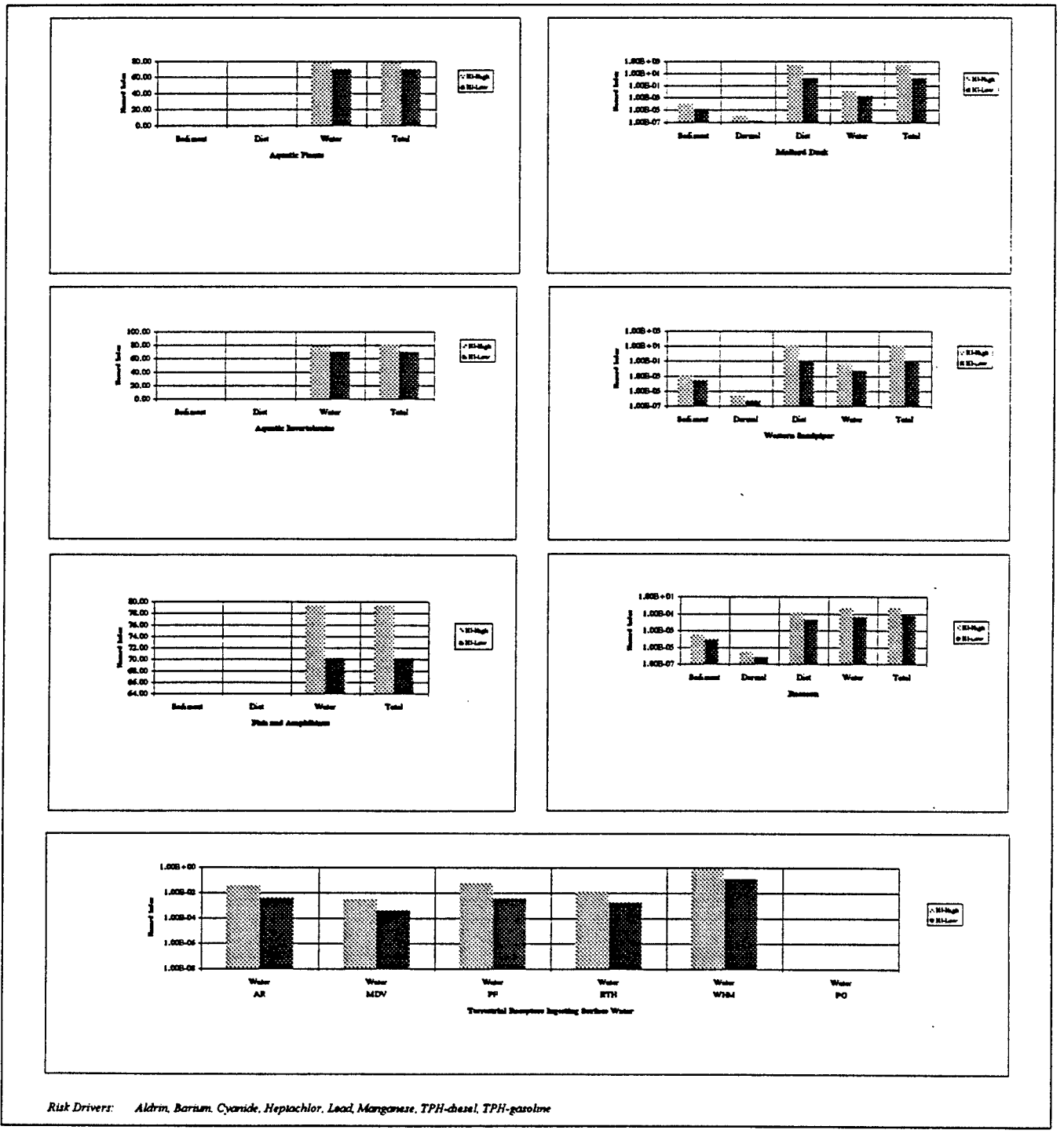


Figure 15.2-32 Hazard Indices for Lobos Creek, Miscellaneous Sites



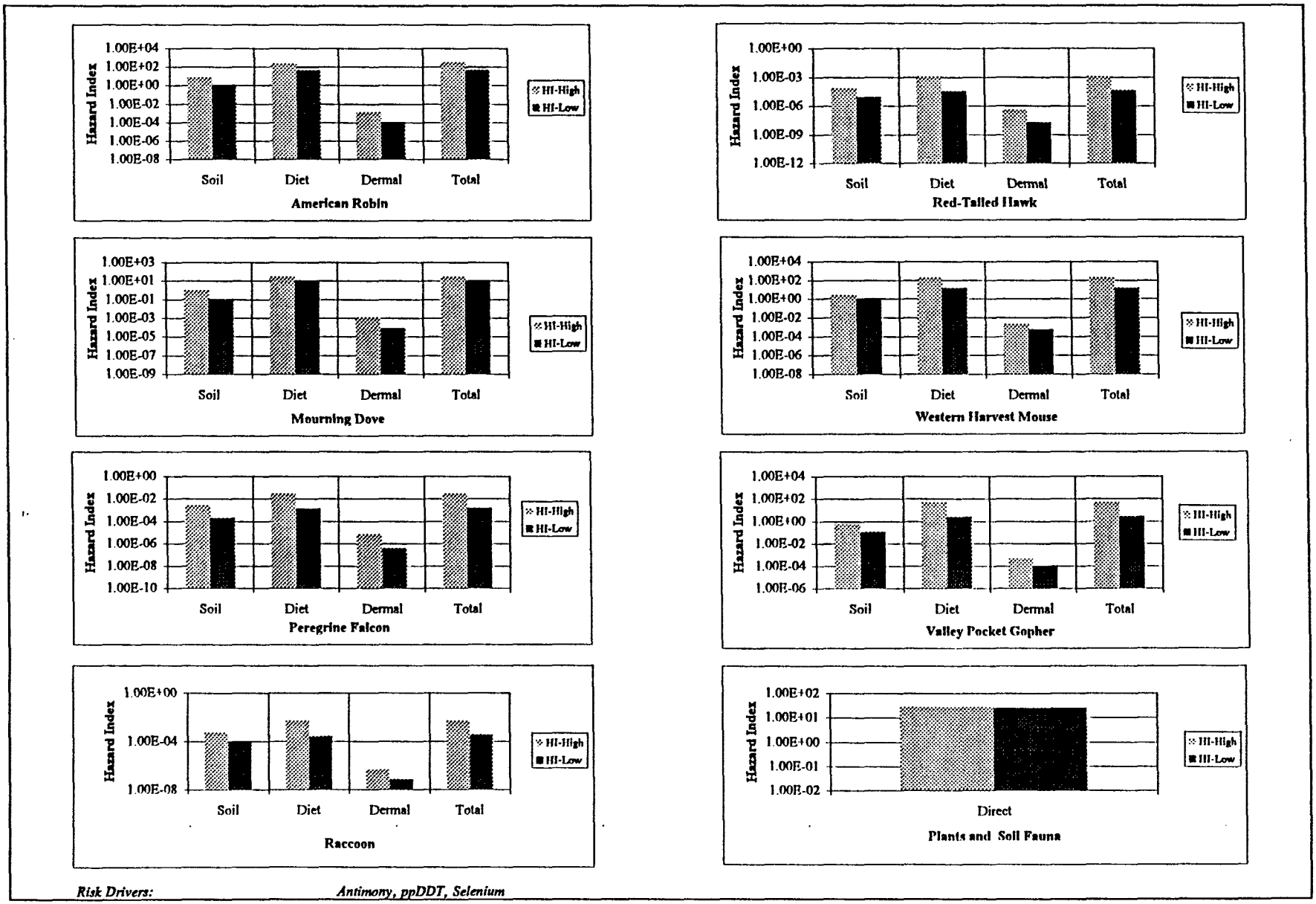
Risk Drivers: *Arsenic, Barium, Iron, Lead, Manganese*

Figure 15.2-33 Hazard Indices for Mountain Lake, Miscellaneous Sites



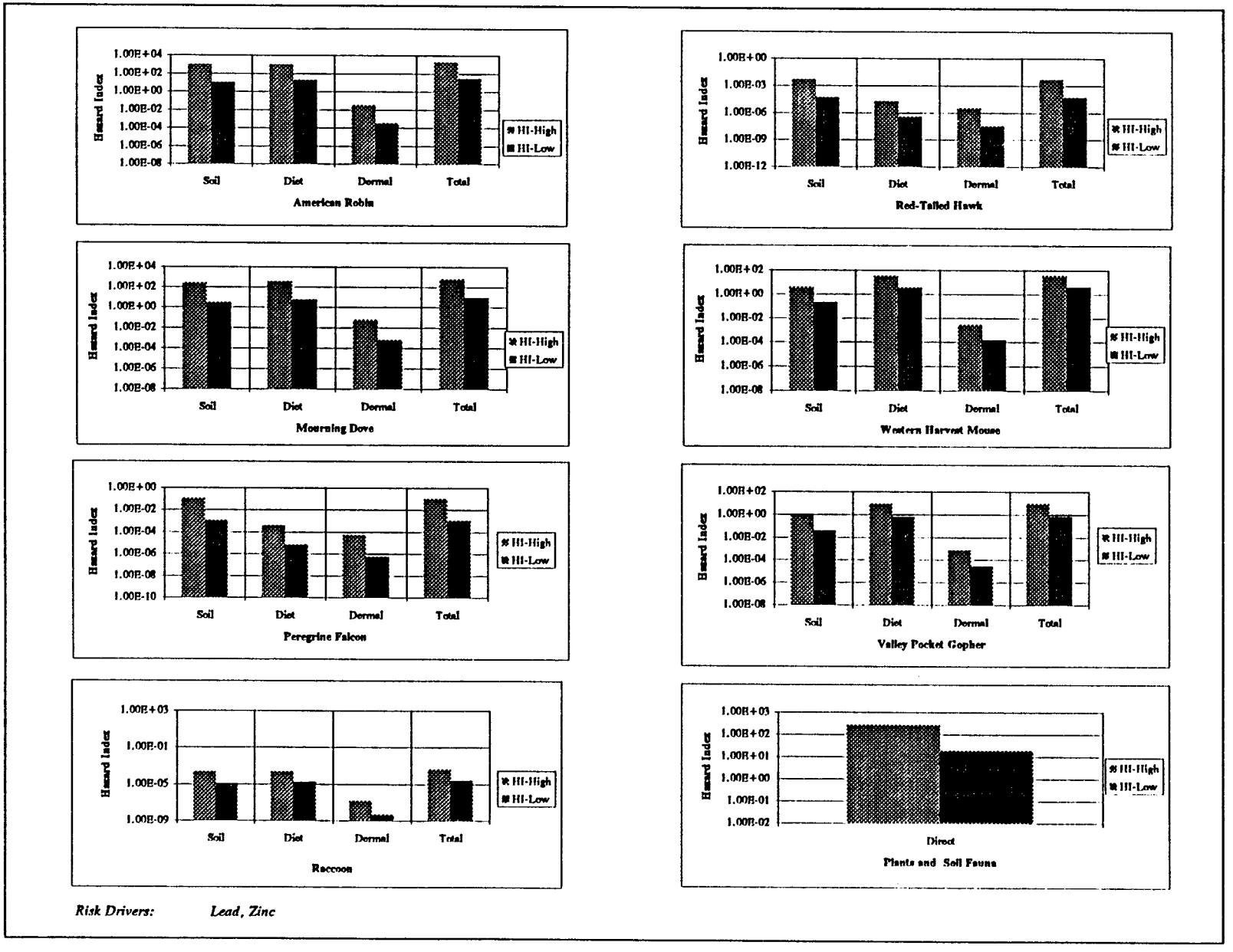
Risk Drivers: *Aldrin, Barium, Cyanide, Heptachlor, Lead, Manganese, TPH-diesel, TPH-gasoline*

Figure15.2-34 Hazard Indices for Disturbed Area 1 Outside Mounded Landfill Material Area, Baker Beach Study Area



Risk Drivers: *Antimony, ppDDT, Selenium*

Figure 15.2-35 Hazard Indices for Soil Exposure at Disturbed Area 1 Mounded Landfill Material Area, Baker Beach Study Area

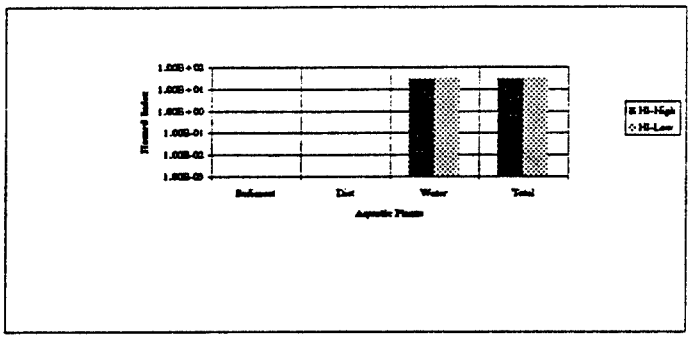


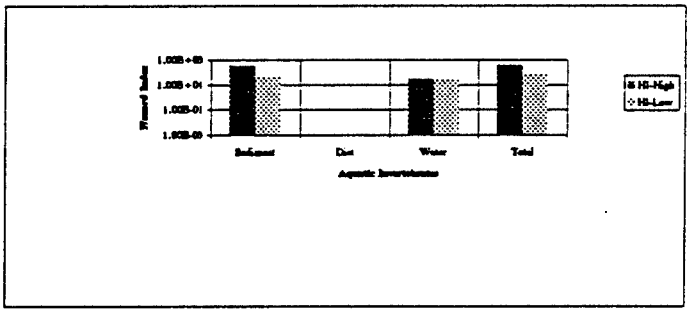
Risk Drivers: *Lead, Zinc*

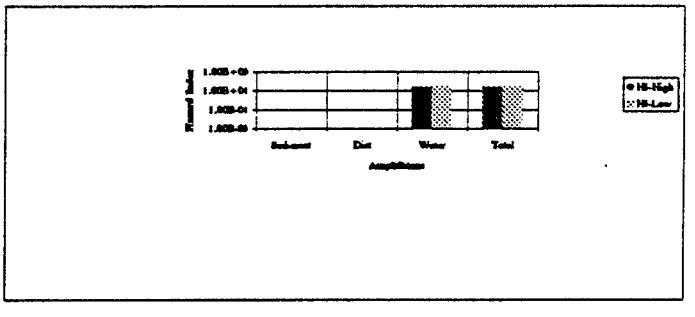
Figure 15.2-36 Hazard Indices for Receptors Exposed to Water and Sediments at Disturbed Area 1 Seep, Baker Beach Study Area

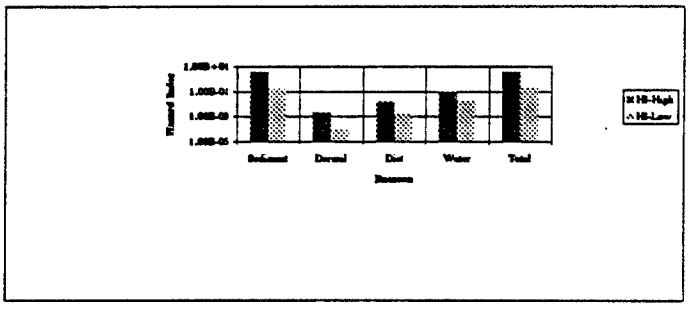
Risk Drivers:

Barium, Copper, Lead, Manganese, TPH-diesel, PCB 1260, ppDDE









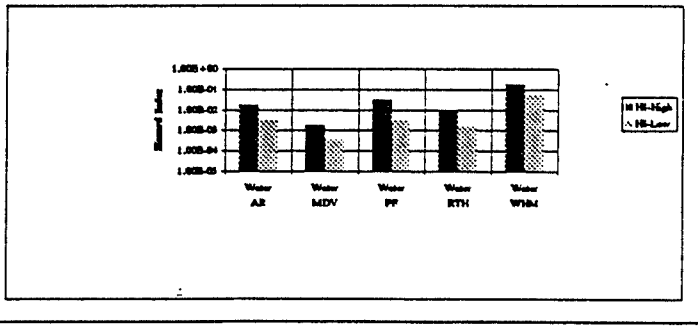


Figure 15.2-37 Hazard Indices for Disturbed Area 1a, Baker Beach Study Area

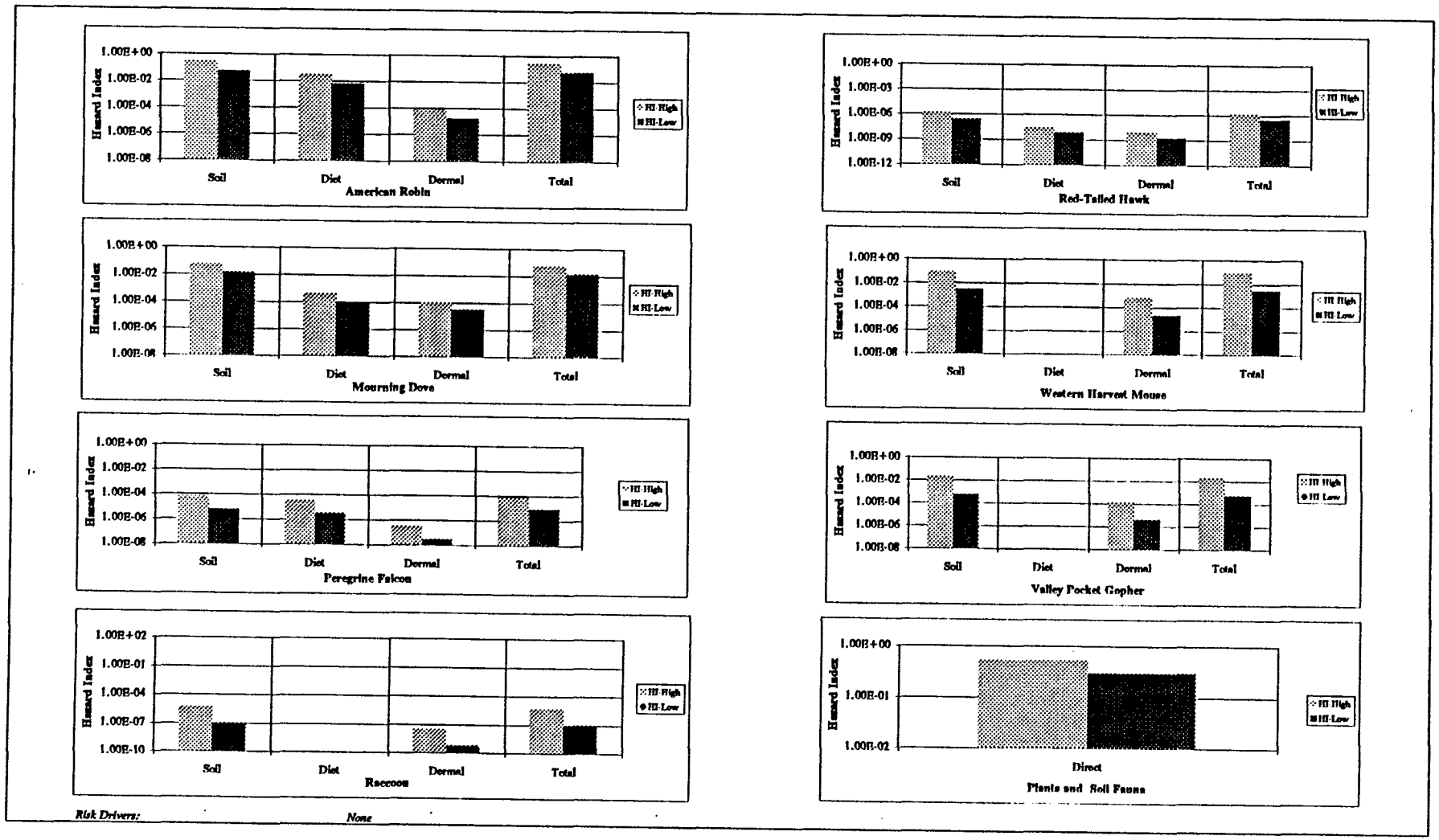


Figure 15.2-38 Hazard Indices for Disturbed Area 2, Baker Beach Study Area

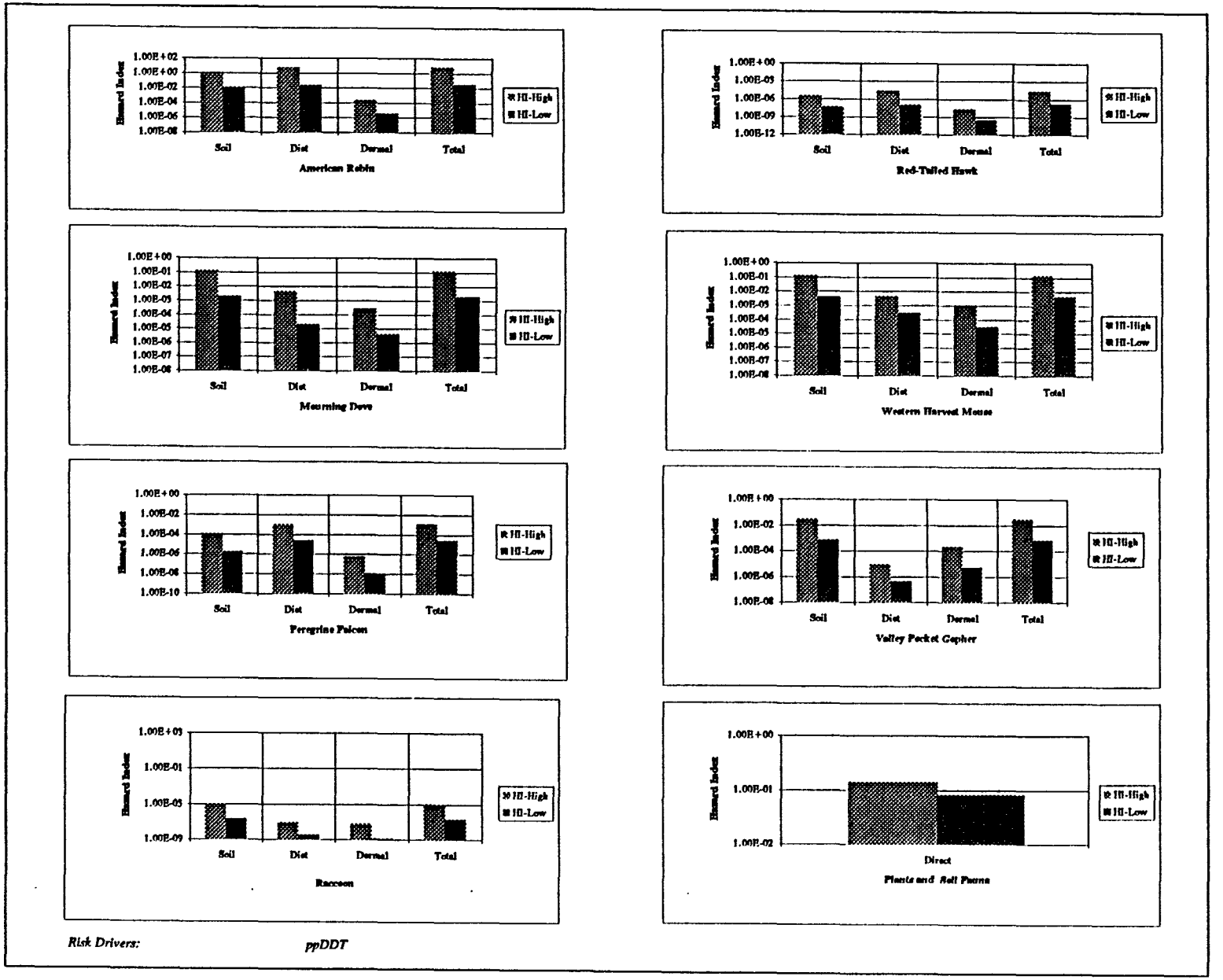


Figure 15.2-39 Hazard Indices for Disturbed Area 3, Baker Beach Study Area

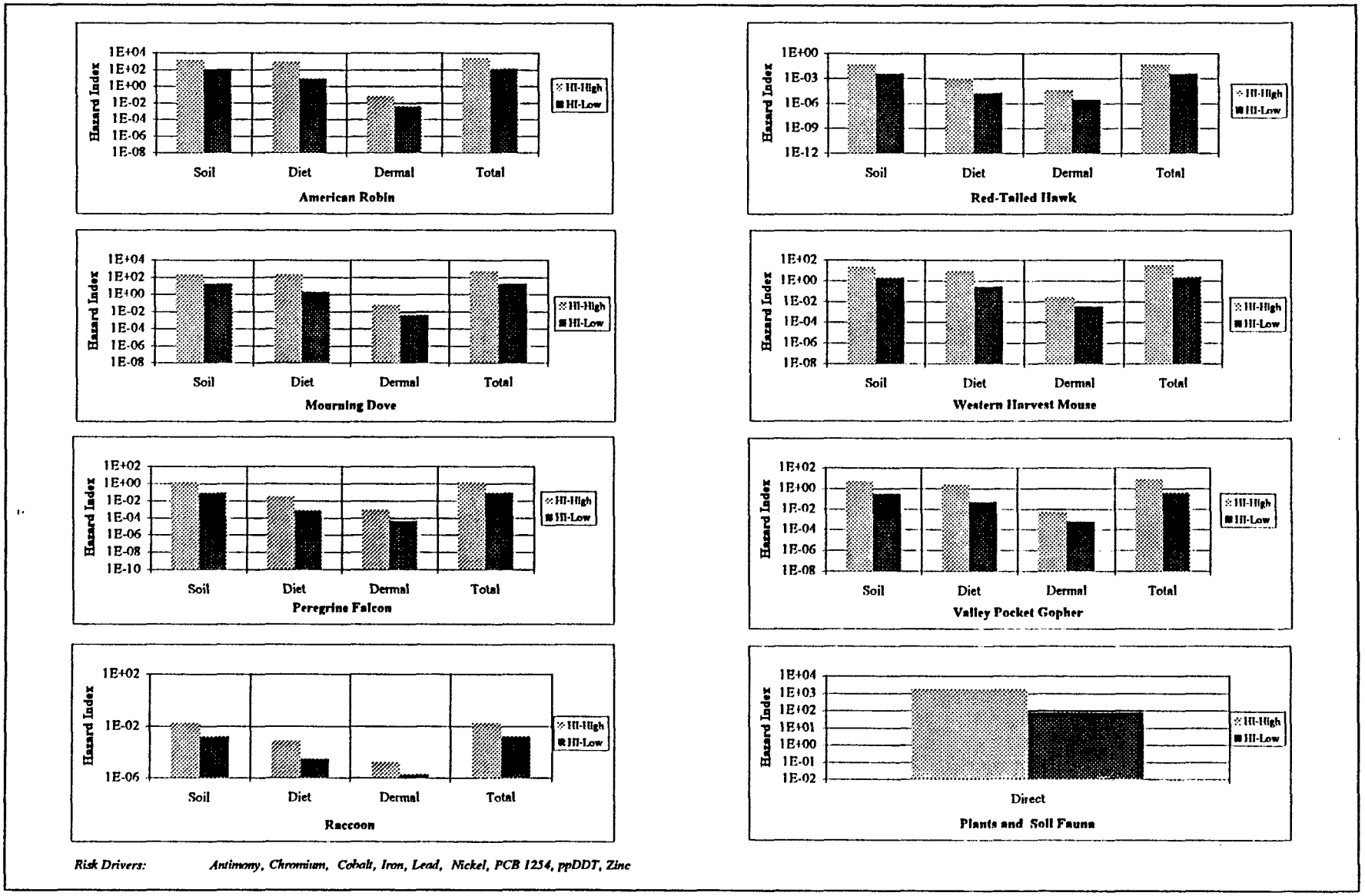
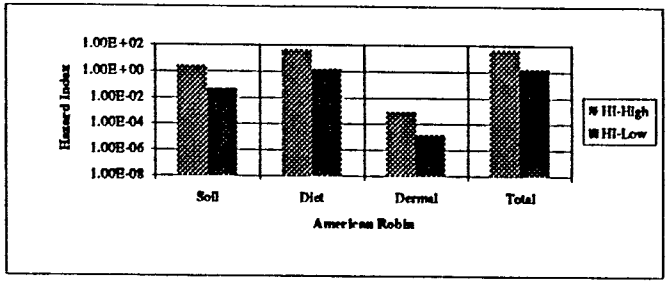
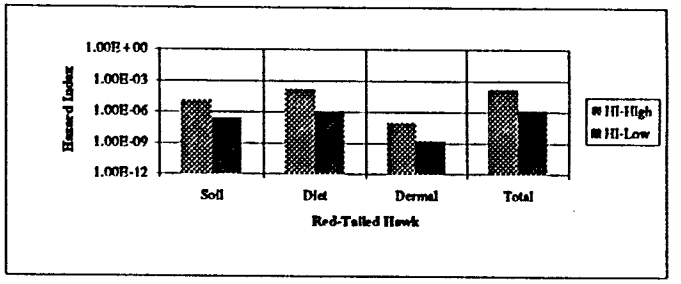
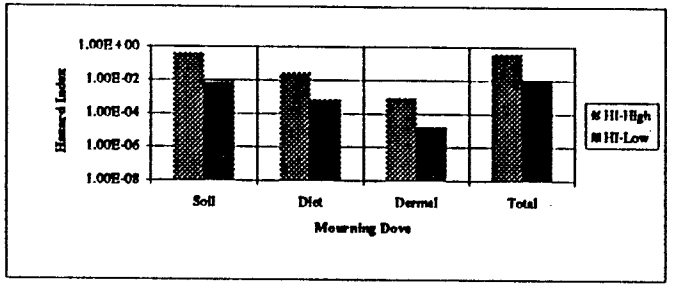
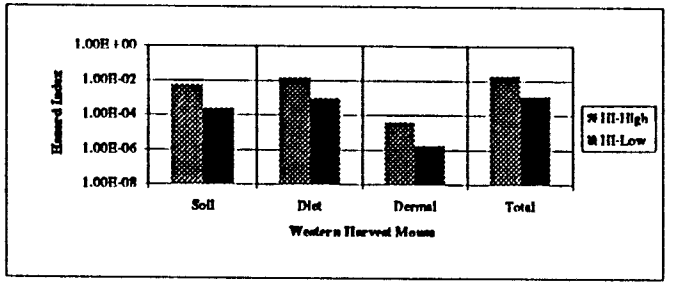


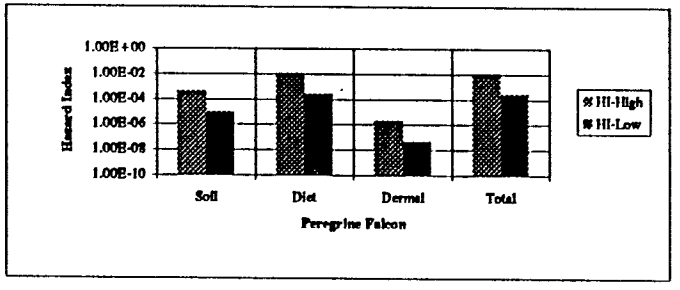
Figure 15.2-40 Hazard Indices for Disturbed Area 4, Baker Beach Study Area

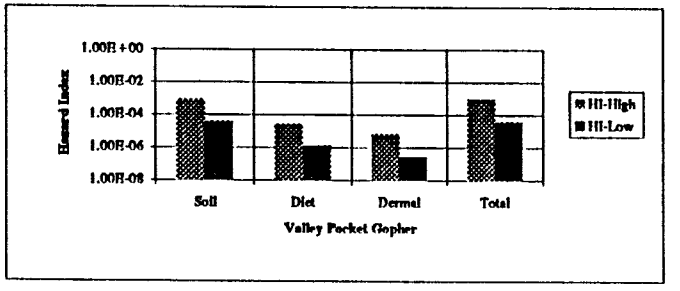


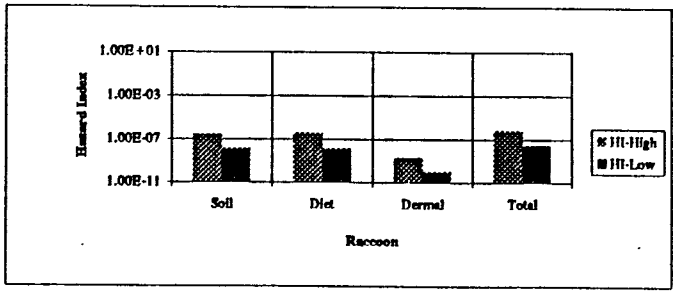


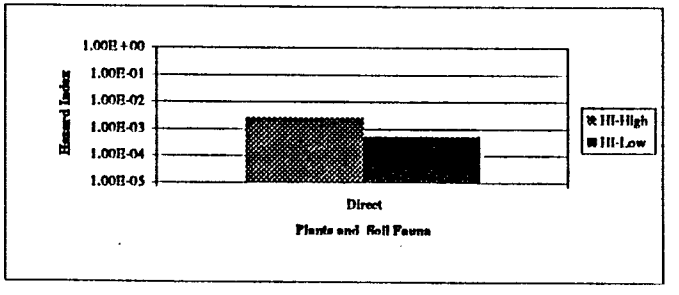






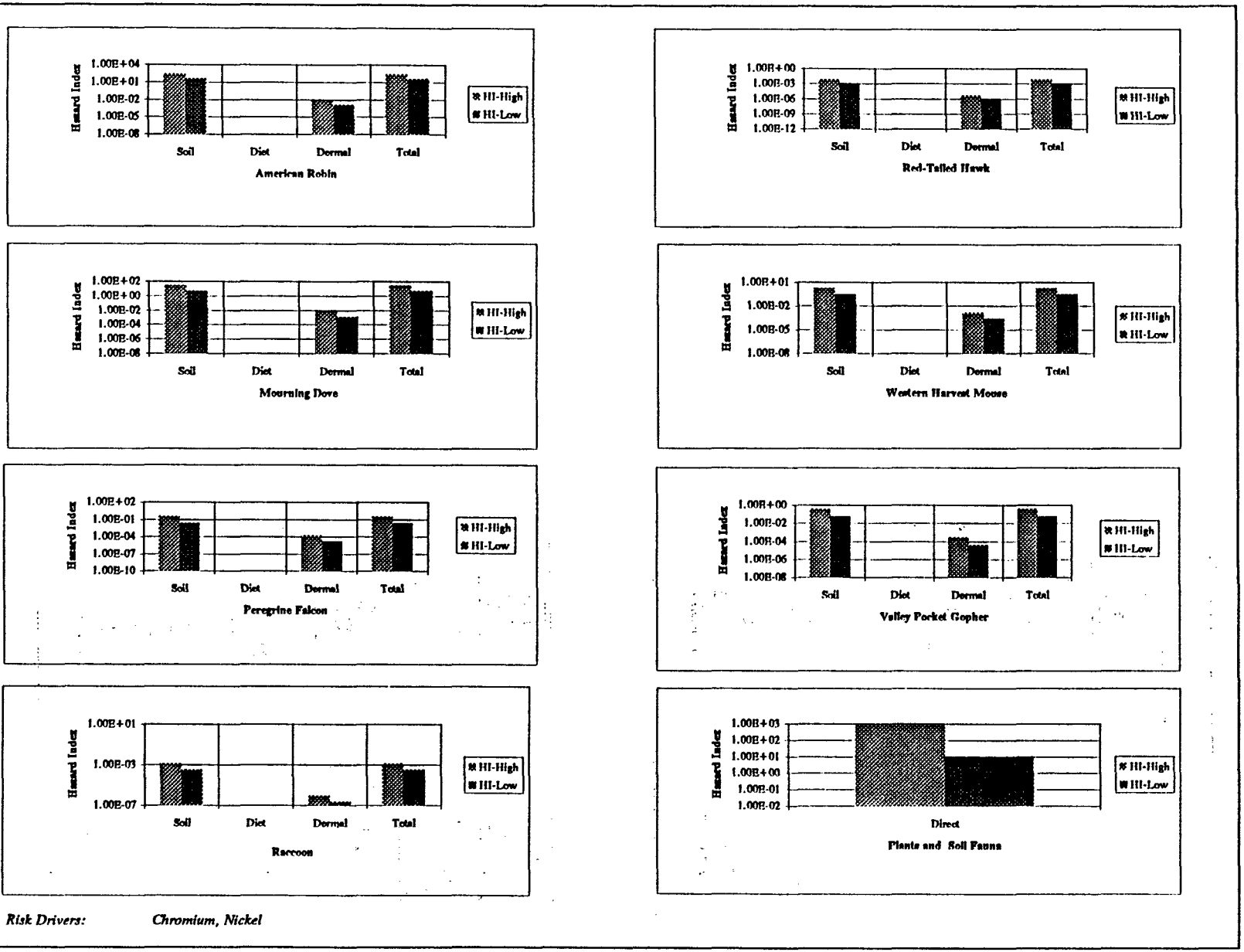






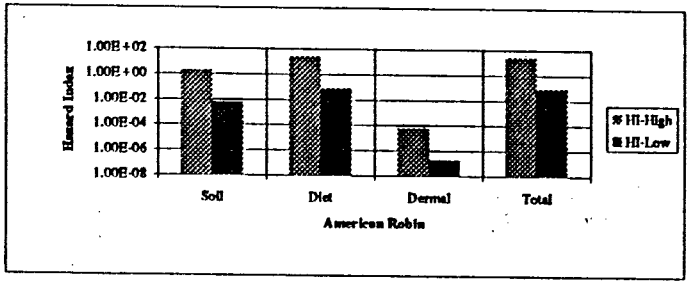
Risk Drivers: *Chlordane, ppDDT*

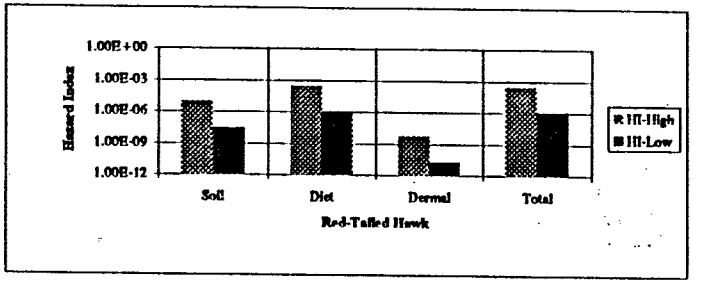
Figure 15.2-41 Hazard Indices for Battery Howe/Wagner

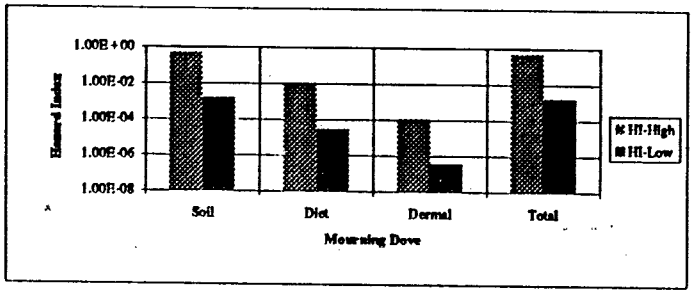


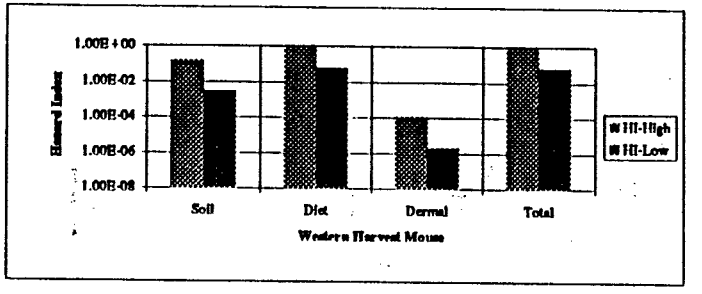
Risk Drivers: *Chromium, Nickel*

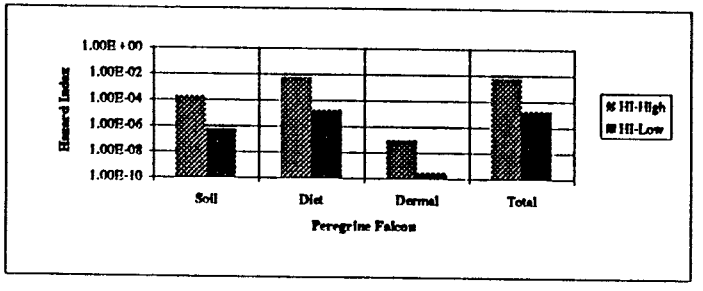
Figure 15.2-42 Hazard Indices for Building 302, Miscellaneous Follow-on RI Sites

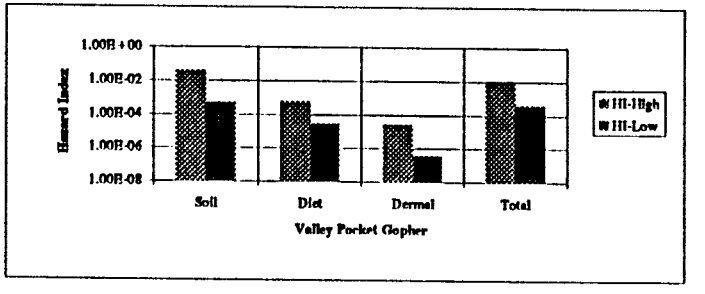


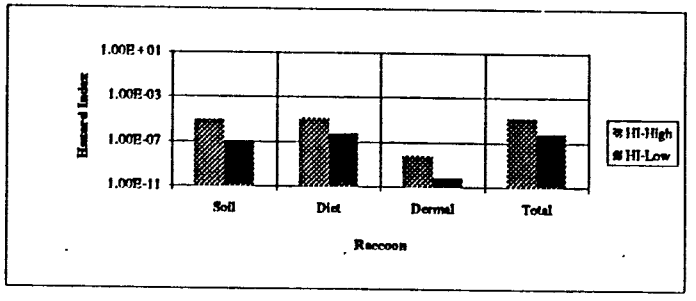


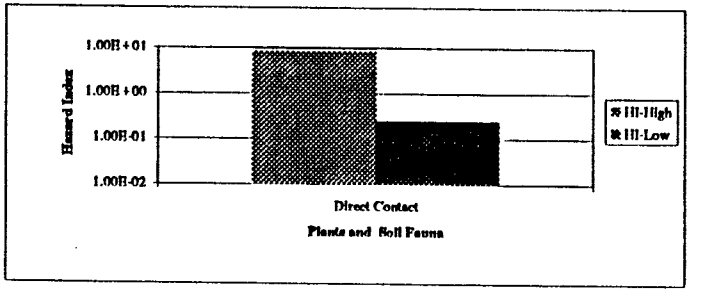






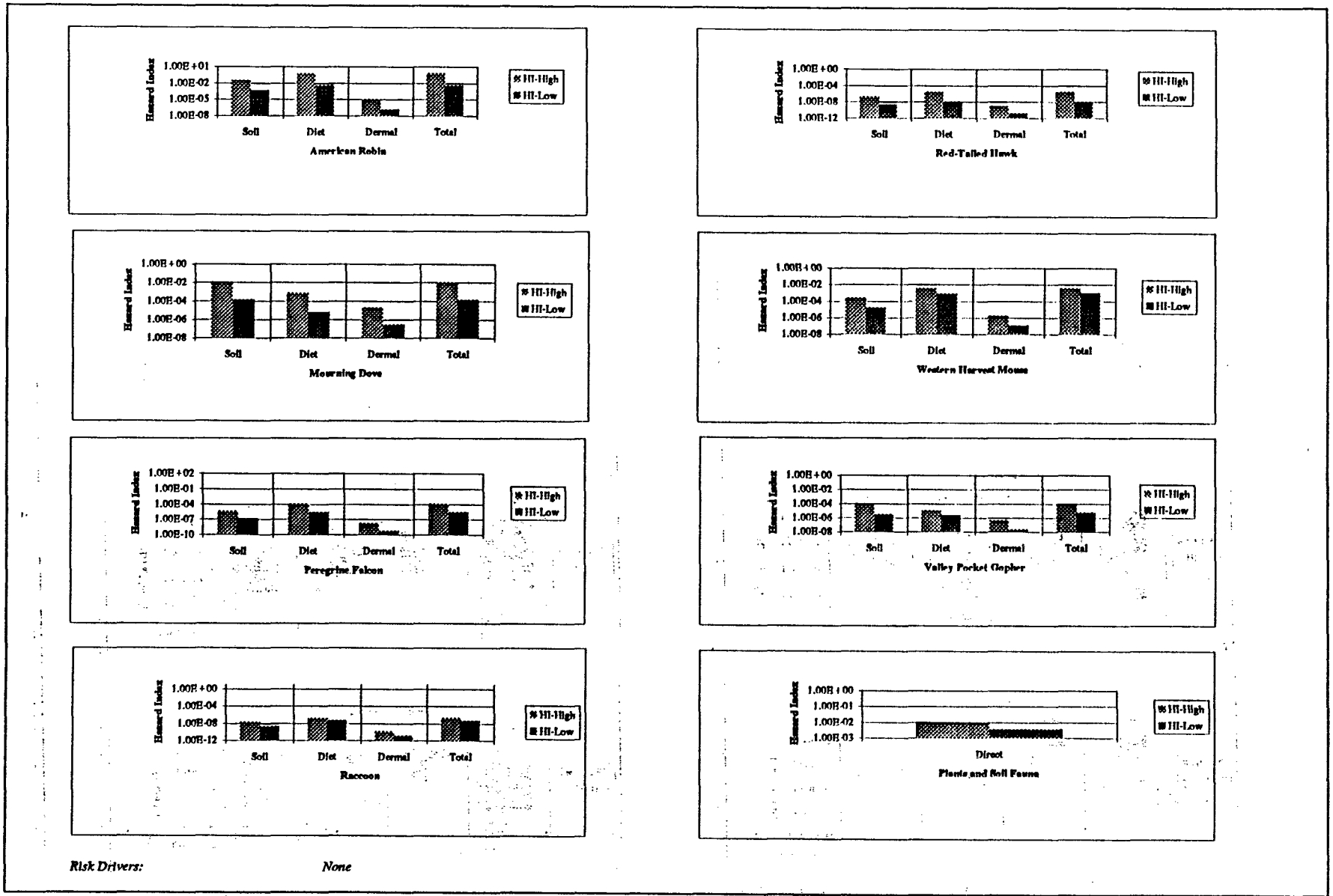






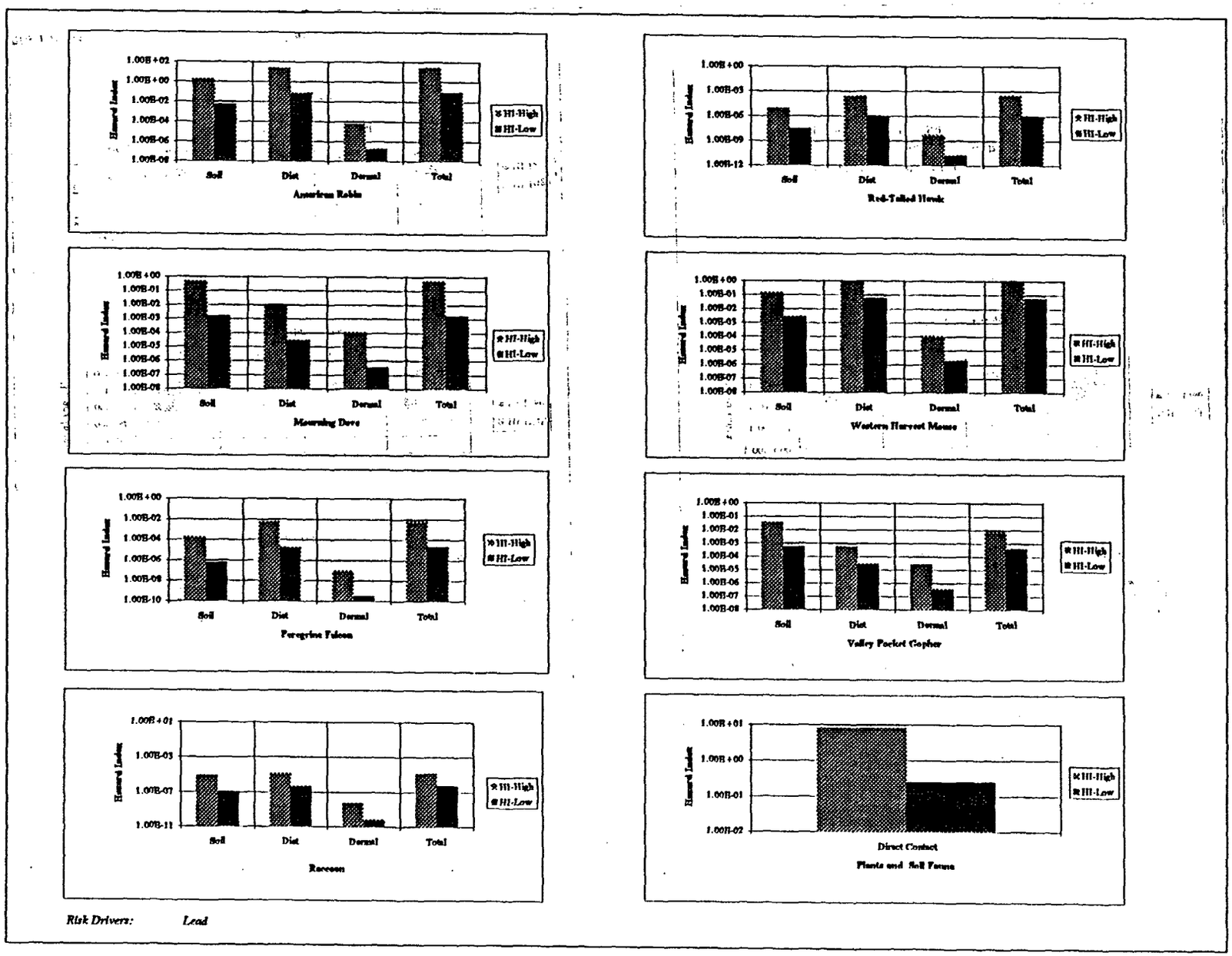
Risk Drivers: *Mercury*

Figure 15.2-43 Hazard Indices for Building 1245, Miscellaneous Follow-on RI Sites



Risk Drivers: *None*

Figure 15.2-44 Hazard Indices for Building 1369, Miscellaneous Follow-on RI Sites



Risk Drivers: *Lead*

Figure 15.2-45 Hazard Indices for Building 1388, Miscellaneous Follow-on RI Sites