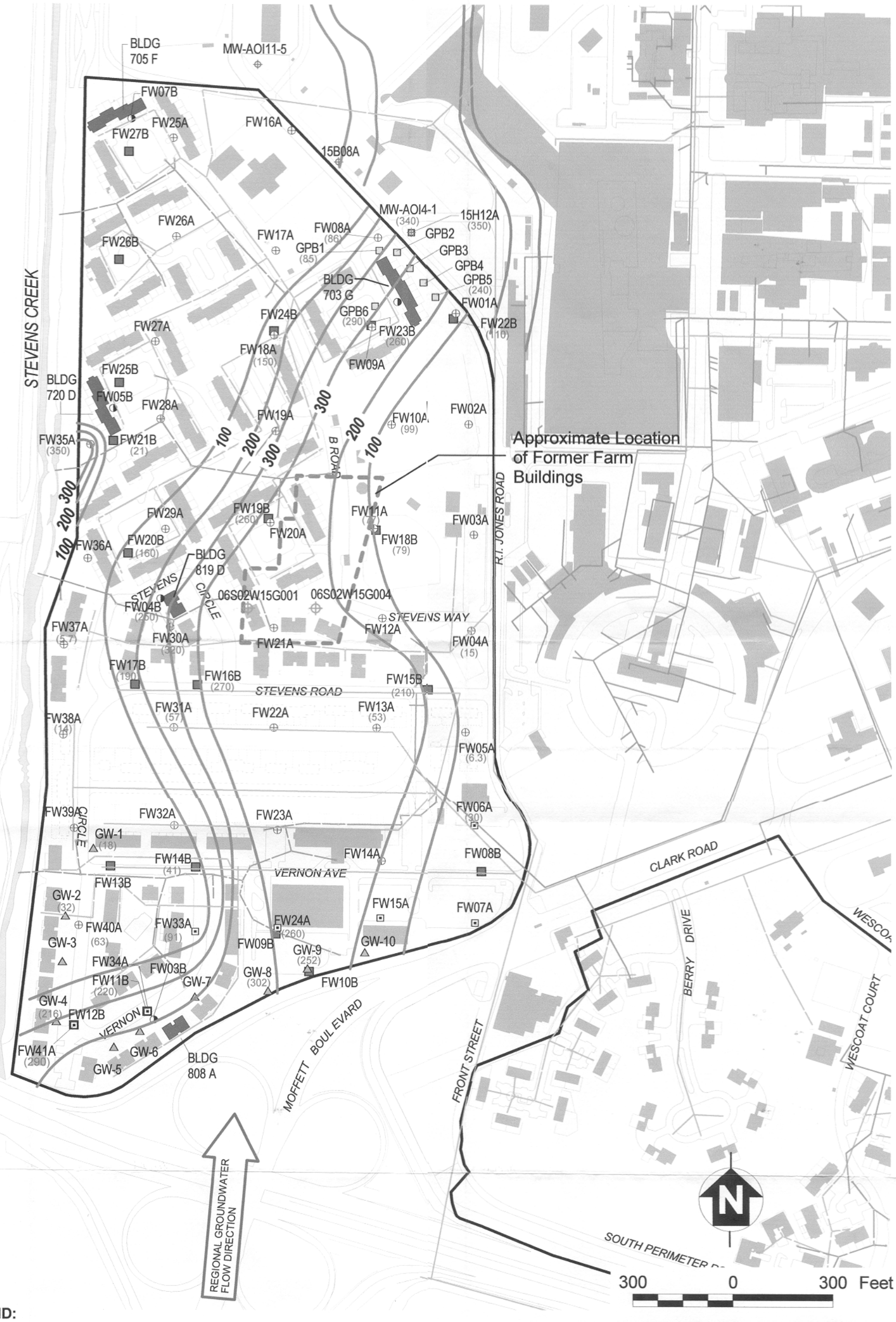
Appendix A

TCE Concentration Distributions from Previous Investigations



LEGEND:

- PHASE 1 DPT A1 AQUIFER ZONE SAMPLE LOCATION
- PHASE 1 DPT A1 AQUIFER ZONE SAMPLE LOCATION
- PHASE 2 DPT A1 AQUIFER ZONE SAMPLE LOCATION
- PHASE 2 CPT A1 AQUIFER ZONE SAMPLE LOCATION
- APPROXIMATE AGRICULTURAL WELL LOCATION
- SAIC SAMPLE LOCATION, 1999
- IT CORP SAMPLE LOCATION, 2000
- 100 ISOCONCENTRATION IN UG/L
- PHASE 2 BHHRA INVESTIGATION SITE
- FORMER STRUCTURE
- SANITARY SEWER
- STORM DRAIN

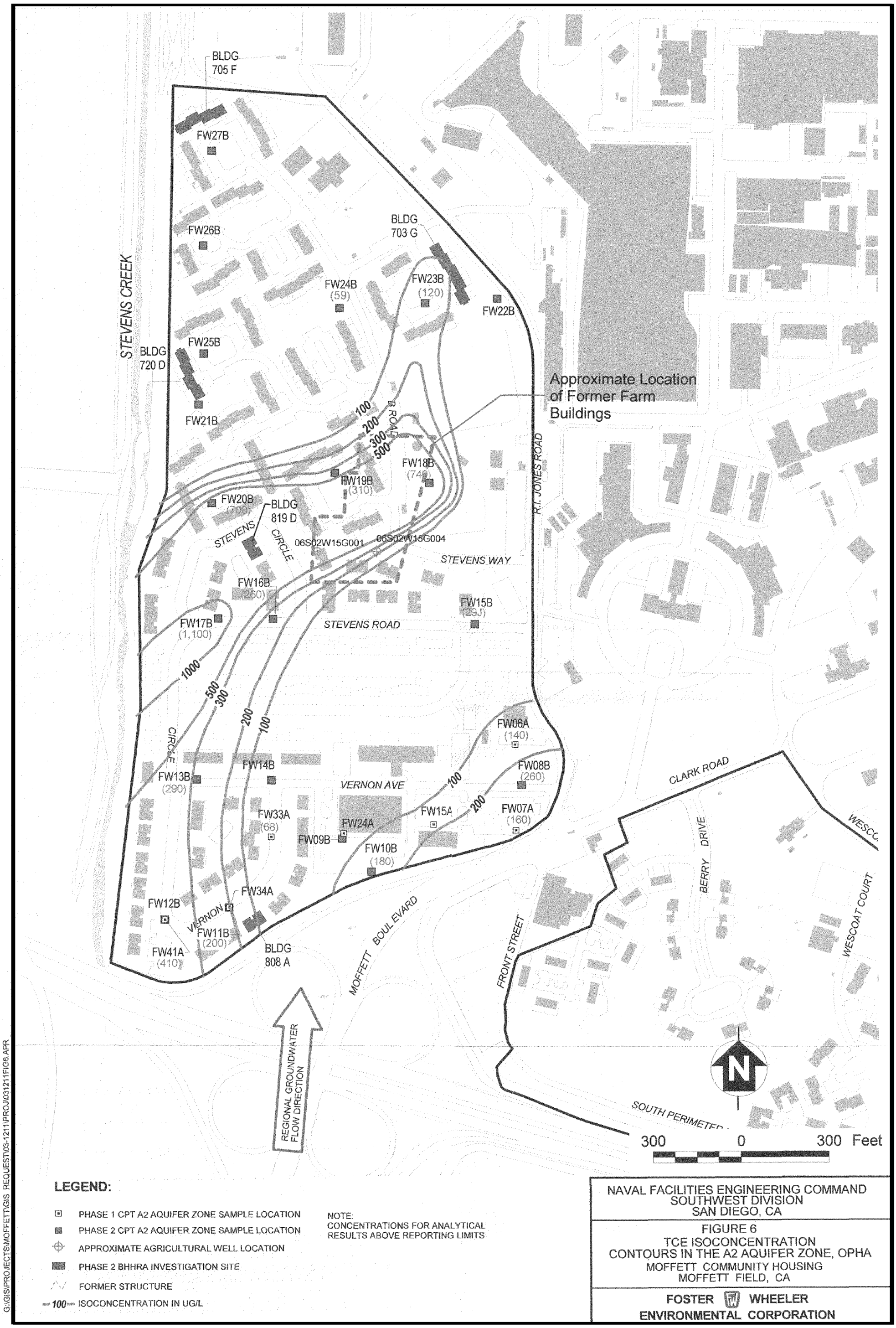
NOTE:
CONCENTRATIONS FOR ANALYTICAL RESULTS ABOVE REPORTING LIMITS

NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CA

FIGURE 5
TCE ISOCONCENTRATION CONTOURS IN THE A1 AQUIFER ZONE, OPHA
MOFFETT COMMUNITY HOUSING
MOFFETT FIELD, CA

FOSTER WHEELER ENVIRONMENTAL CORPORATION

G:\GIS\PROJECTS\MOFFETT\GIS_REQUEST\03-1211\PROJ\031211FIG5.APR



LEGEND:

- PHASE 1 CPT A2 AQUIFER ZONE SAMPLE LOCATION
- PHASE 2 CPT A2 AQUIFER ZONE SAMPLE LOCATION
- APPROXIMATE AGRICULTURAL WELL LOCATION
- PHASE 2 BHHRA INVESTIGATION SITE
- FORMER STRUCTURE
- 100 ISOCONCENTRATION IN UG/L

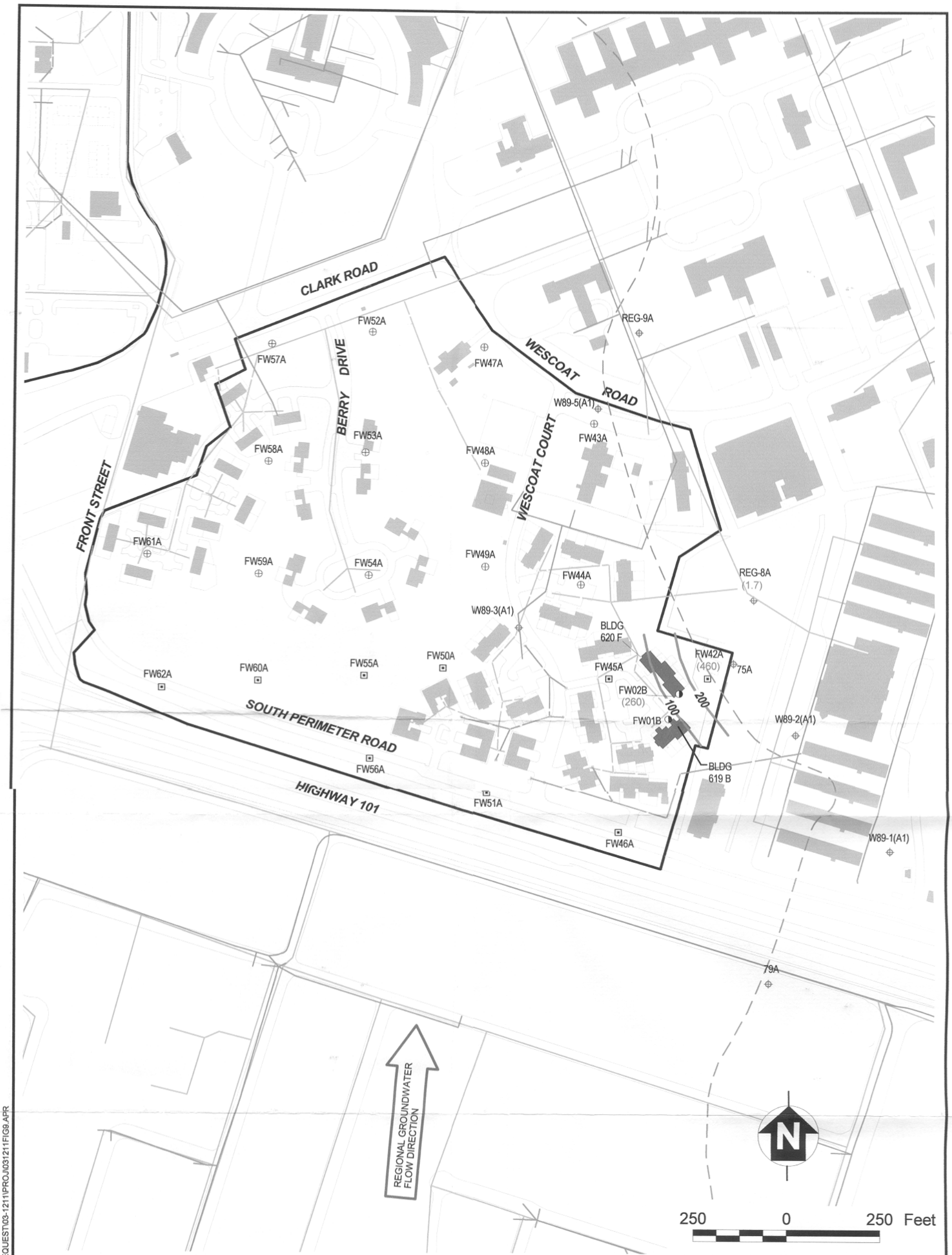
NOTE:
CONCENTRATIONS FOR ANALYTICAL RESULTS ABOVE REPORTING LIMITS

NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CA

FIGURE 6
TCE ISOCONCENTRATION CONTOURS IN THE A2 AQUIFER ZONE, OPHA
MOFFETT COMMUNITY HOUSING
MOFFETT FIELD, CA

FOSTER WHEELER ENVIRONMENTAL CORPORATION

G:\GIS\PROJECTS\MOFFETT\GIS REQUEST\03-1211\PROJ\031211FIG6.APR



LEGEND:

- PHASE 1 DPT A1 AQUIFER ZONE SAMPLE LOCATION
- PHASE 1 DPT A1 AQUIFER ZONE SAMPLE LOCATION
- PHASE 2 DPT A1 AQUIFER ZONE SAMPLE LOCATION
- PHASE 2 BHHRA INVESTIGATION SITE
- SANITARY SEWER
- STORM DRAIN
- 100 ISOCONCENTRATION IN UG/L
- A1 AQUIFER ZONE VOC PLUME (LOCUS, 2001; FIG. C13)

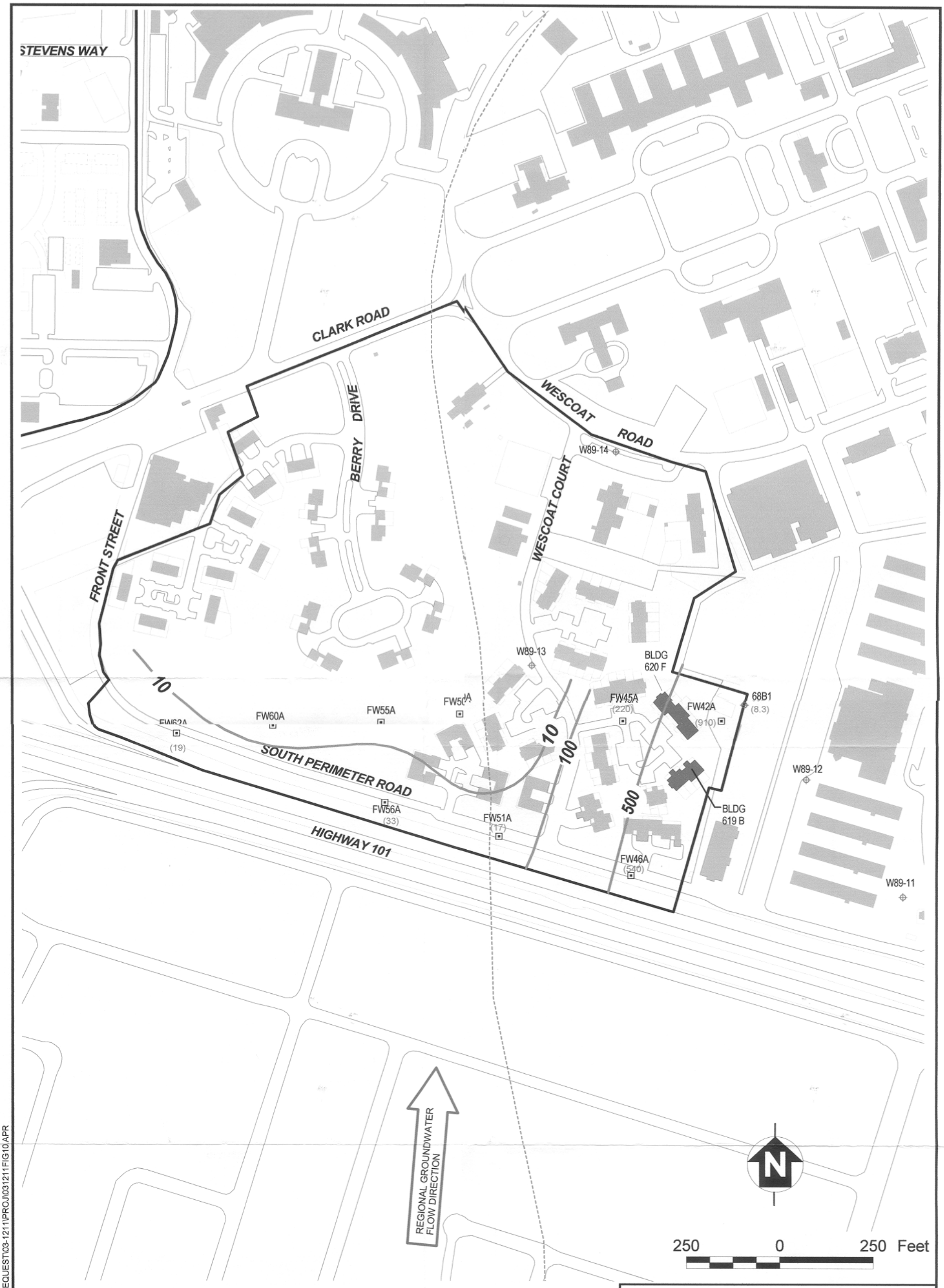
NOTE:
CONCENTRATIONS FOR ANALYTICAL RESULTS ABOVE REPORTING LIMITS

NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CA

FIGURE 9
TCE ISOCONCENTRATION CONTOURS IN THE A1 AQUIFER ZONE, WHA
MOFFETT COMMUNITY HOUSING
MOFFETT FIELD, CA

FOSTER WHEELER ENVIRONMENTAL CORPORATION

G:\GIS\PROJECTS\MOFFETT\GIS_REQUEST\03-1211\PROJ\031211FIG9.APR



LEGEND:

- PHASE 1 CPT A2 AQUIFER ZONE SAMPLE LOCATION
- PHASE 2 BHHRA INVESTIGATION SITE
- 100 ISOCONCENTRATION IN UG/L
- A2 AQUIFER ZONE VOC PLUME (LOCUS, 2001; FIG. C14)

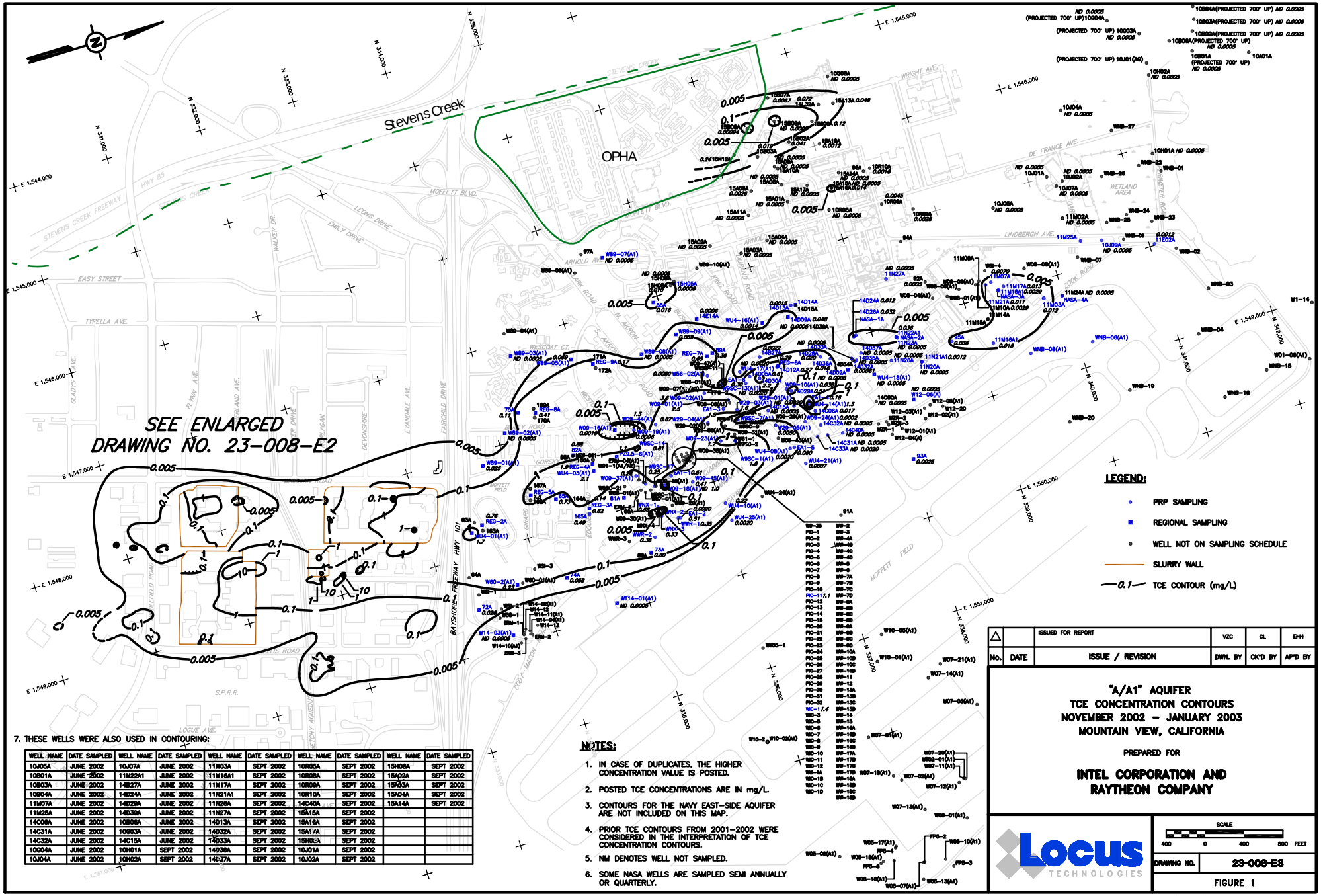
NOTE:
CONCENTRATIONS FOR ANALYTICAL RESULTS ABOVE REPORTING LIMITS

NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CA

FIGURE 10
TCE ISOCONCENTRATION CONTOURS IN THE A2 AQUIFER ZONE, WHA
MOFFETT COMMUNITY HOUSING
MOFFETT FIELD, CA

FOSTER WHEELER ENVIRONMENTAL CORPORATION

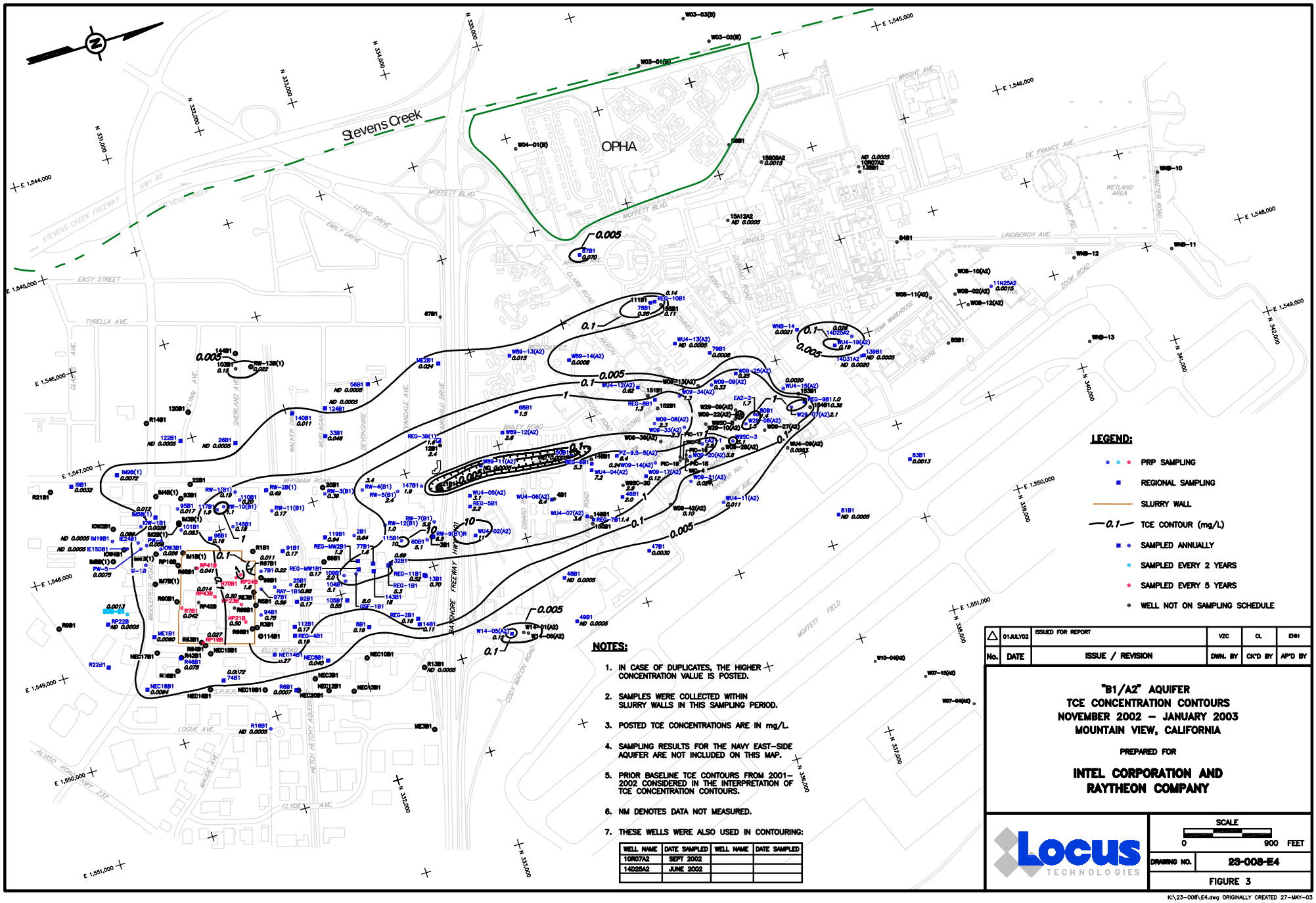
G:\GIS\PROJECTS\MOFFETT\GIS_REQUEST\03-1211\PROJ\031211FIG10.APR



WELL NAME	DATE SAMPLED	WELL NAME	DATE SAMPLED	WELL NAME	DATE SAMPLED	WELL NAME	DATE SAMPLED	WELL NAME	DATE SAMPLED
10J05A	JUNE 2002	10J07A	JUNE 2002	11M03A	SEPT 2002	10R05A	SEPT 2002	15H08A	SEPT 2002
10B01A	JUNE 2002	11N22A1	JUNE 2002	11M16A1	SEPT 2002	10R08A	SEPT 2002	15A02A	SEPT 2002
10B03A	JUNE 2002	14B27A	JUNE 2002	11M17A	SEPT 2002	10R09A	SEPT 2002	15A03A	SEPT 2002
10B04A	JUNE 2002	14D24A	JUNE 2002	11N21A1	SEPT 2002	10R10A	SEPT 2002	15A04A	SEPT 2002
11M07A	JUNE 2002	14D29A	JUNE 2002	11N26A	SEPT 2002	14C40A	SEPT 2002	15A14A	SEPT 2002
11M25A	JUNE 2002	14D39A	JUNE 2002	11N27A	SEPT 2002	15A15A	SEPT 2002		
14C06A	JUNE 2002	10B06A	JUNE 2002	14D13A	SEPT 2002	15A16A	SEPT 2002		
14C31A	JUNE 2002	10D03A	JUNE 2002	14D32A	SEPT 2002	15A17A	SEPT 2002		
14C32A	JUNE 2002	14C15A	JUNE 2002	14D33A	SEPT 2002	15H02A	SEPT 2002		
10G04A	JUNE 2002	10H01A	SEPT 2002	14D36A	SEPT 2002	10J01A	SEPT 2002		
10J04A	JUNE 2002	10H02A	SEPT 2002	14D37A	SEPT 2002	10J02A	SEPT 2002		

Approximate location of OPHA and Stevens Creek added to original figure.

40273



NOTES:

1. IN CASE OF DUPLICATES, THE HIGHER CONCENTRATION VALUE IS POSTED.
2. SAMPLES WERE COLLECTED WITHIN SLURRY WALLS IN THIS SAMPLING PERIOD.
3. POSTED TCE CONCENTRATIONS ARE IN mg/L.
4. SAMPLING RESULTS FOR THE NAVY EAST-SIDE AQUIFER ARE NOT INCLUDED ON THIS MAP.
5. PRIOR BASELINE TCE CONTOURS FROM 2001-2002 CONSIDERED IN THE INTERPRETATION OF TCE CONCENTRATION CONTOURS.
6. NM DENOTES DATA NOT MEASURED.
7. THESE WELLS WERE ALSO USED IN CONTOURING:

WELL NAME	DATE SAMPLED	WELL NAME	DATE SAMPLED
10R07A2	SEPT 2002		
14D25A2	JUNE 2002		

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
△	01JULY02	ISSUED FOR REPORT	VZC	CL	EHH

"B1/A2" AQUIFER
TCE CONCENTRATION CONTOURS
NOVEMBER 2002 – JANUARY 2003
MOUNTAIN VIEW, CALIFORNIA

PREPARED FOR

INTEL CORPORATION AND
RAYTHEON COMPANY

Locus TECHNOLOGIES

SCALE
0 900 FEET

DRAWING NO. 23-008-E4

FIGURE 3

K:\23-008\E4.dwg ORIGINALLY CREATED 27-MAY-03

Approximate location of OPHA and Stevens Creek added to original figure.

40273

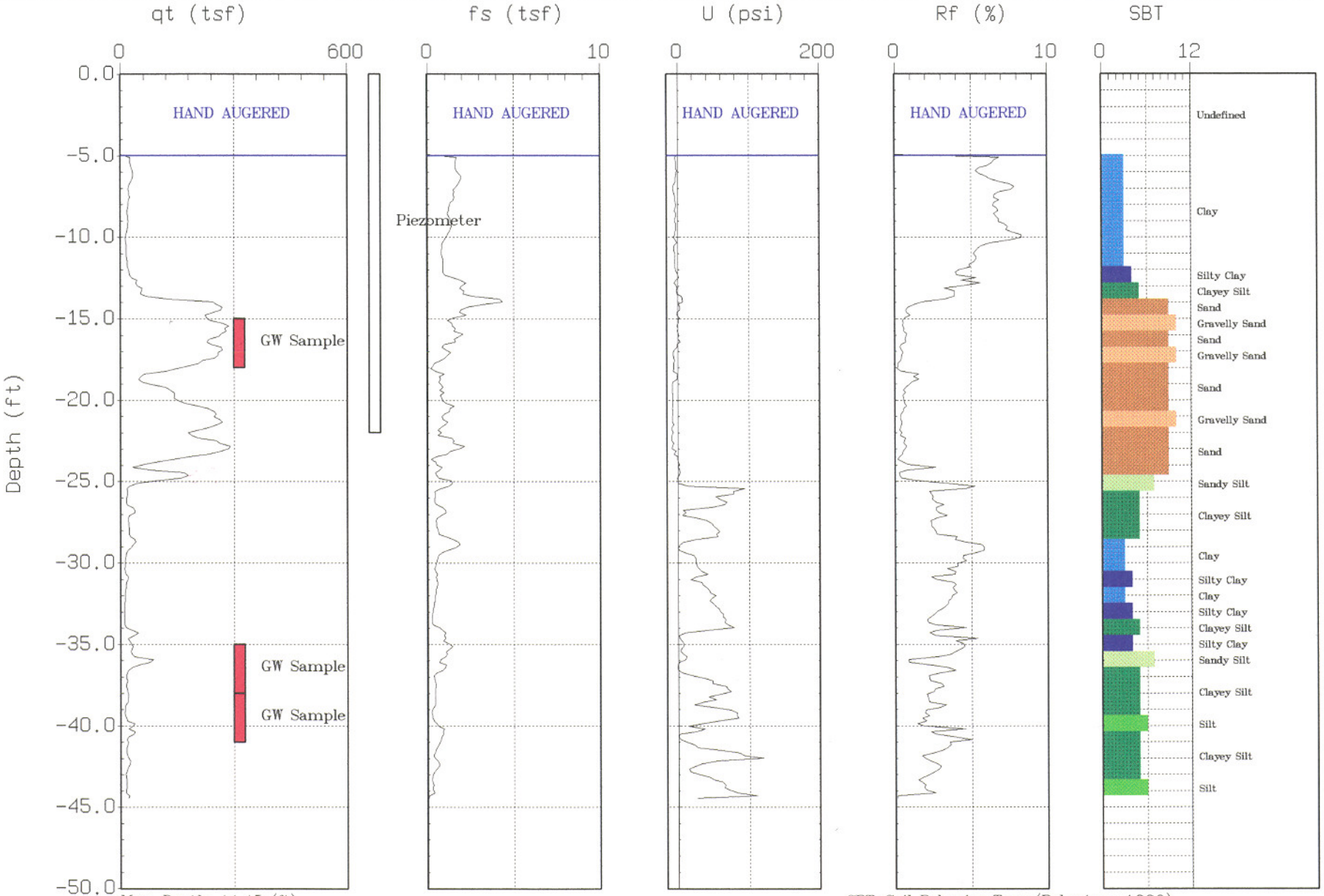
Appendix B

CPT Logs

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-1

Geologist : J. ALLAN
Date : 09:06:03 07:57



Max. Depth: 44.45 (ft)

Depth Inc.: 0.164 (ft)

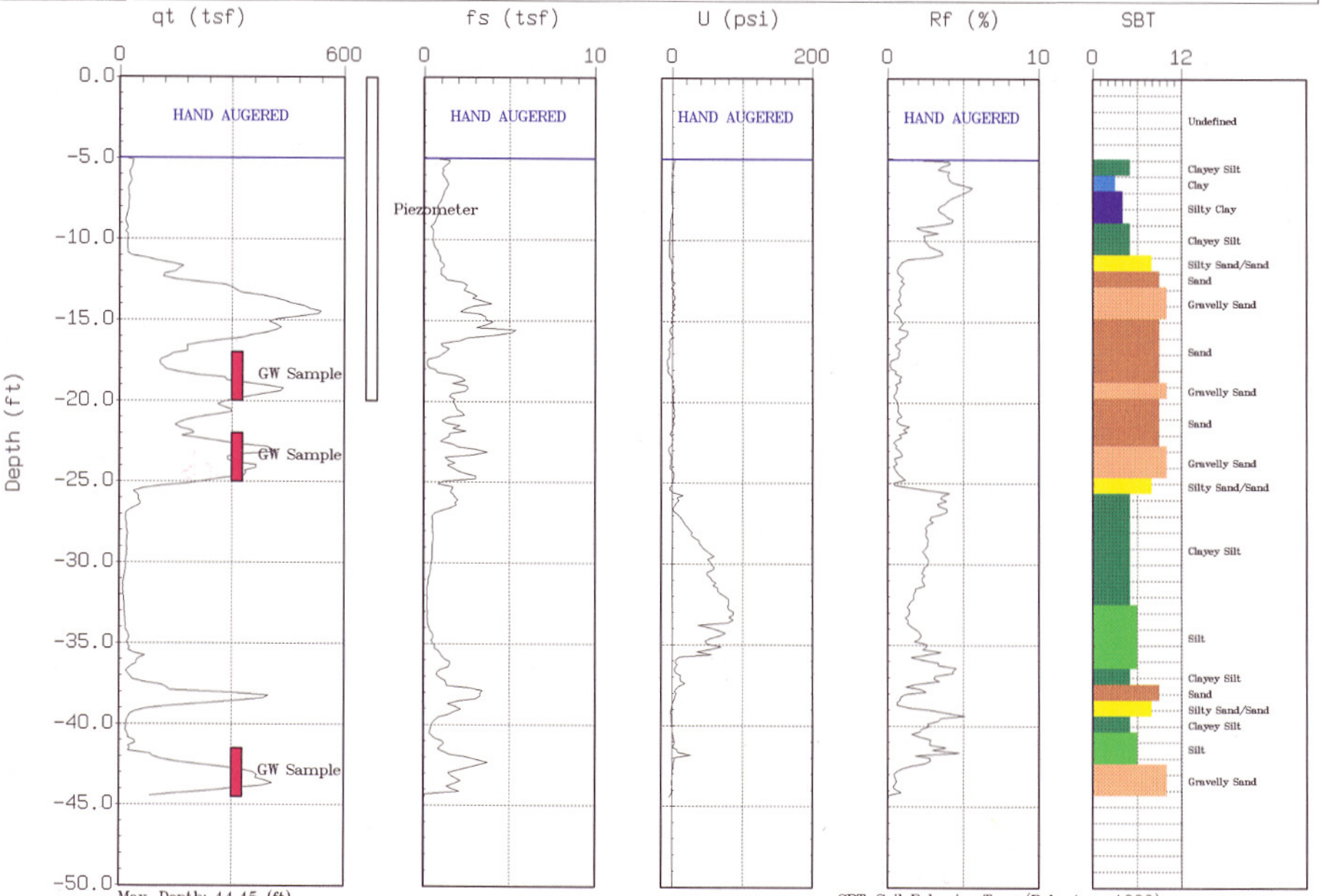
SBT: Soil Behavior Type (Robertson 1990)

GREGG

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-2

Geologist : J. ALLAN
Date : 09:06:03 10:40



Max. Depth: 44.45 (ft)

Depth Inc.: 0.164 (ft)

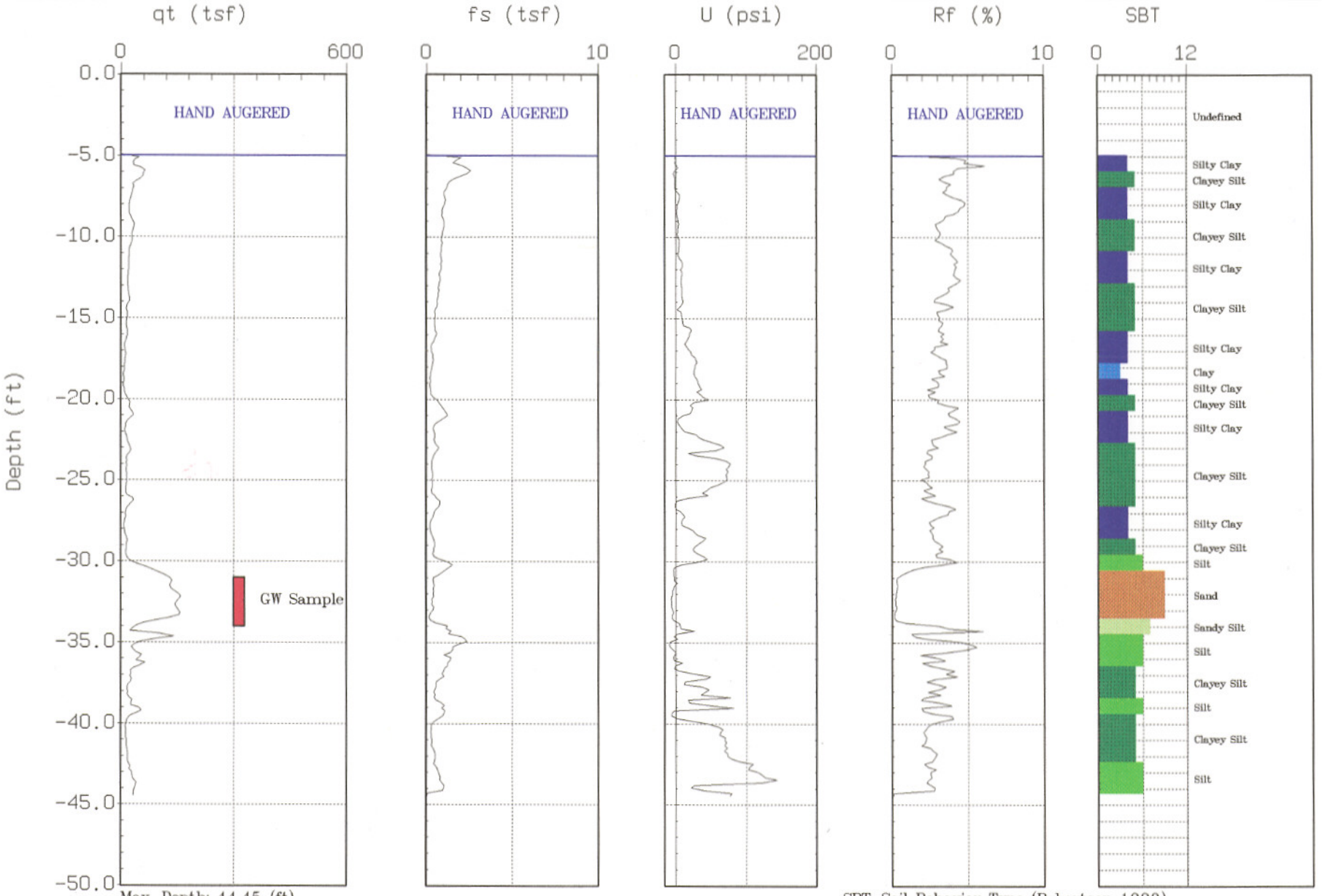
SBT: Soil Behavior Type (Robertson 1990)

GREGG

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-3

Geologist : J. ALLAN
Date : 09:08:03 07:42



Max. Depth: 44.45 (ft)

Depth Inc.: 0.164 (ft)

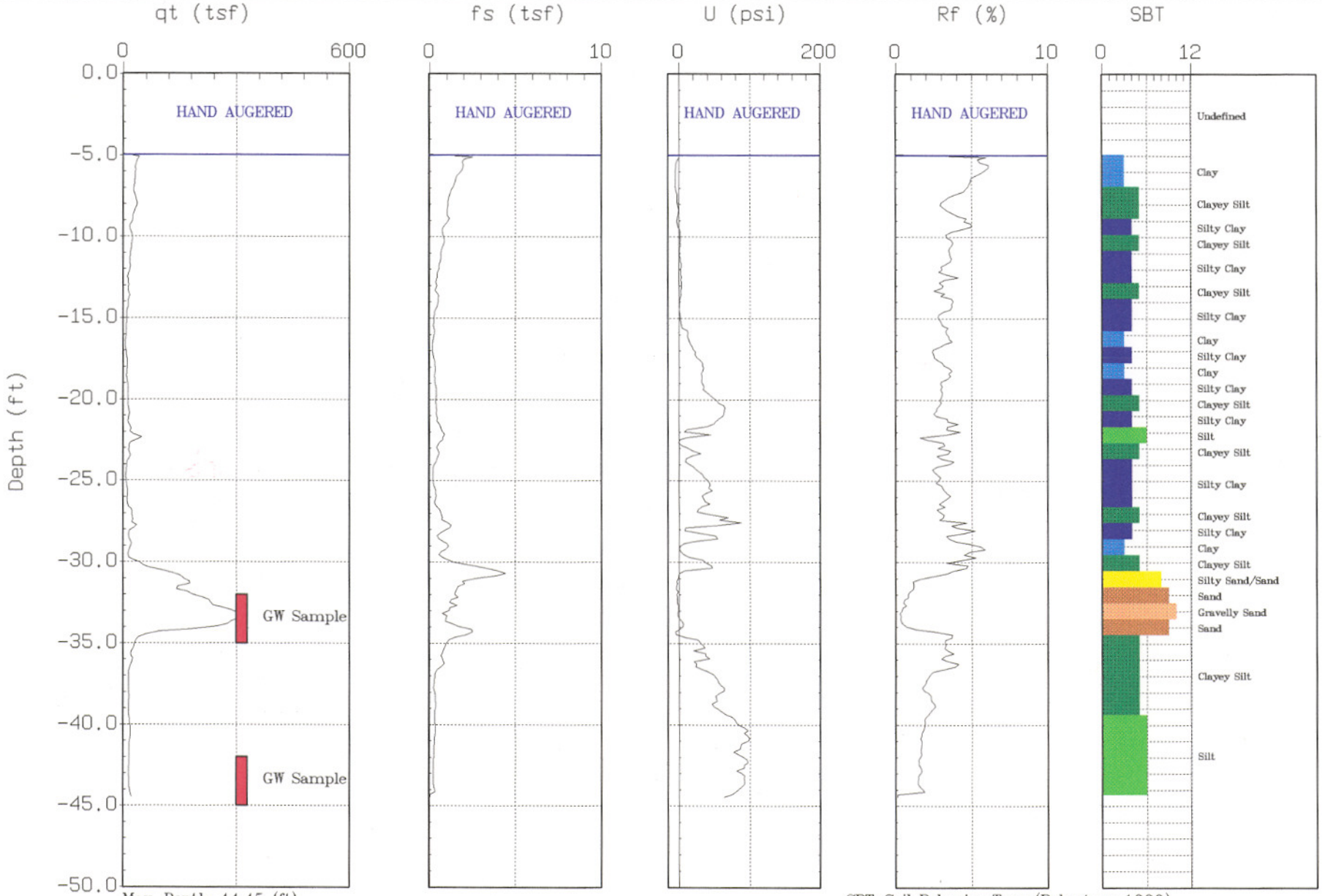
SBT: Soil Behavior Type (Robertson 1990)

GREGG

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-4

Geologist : J. ALLAN
Date : 09:08:03 08:47



Max. Depth: 44.45 (ft)

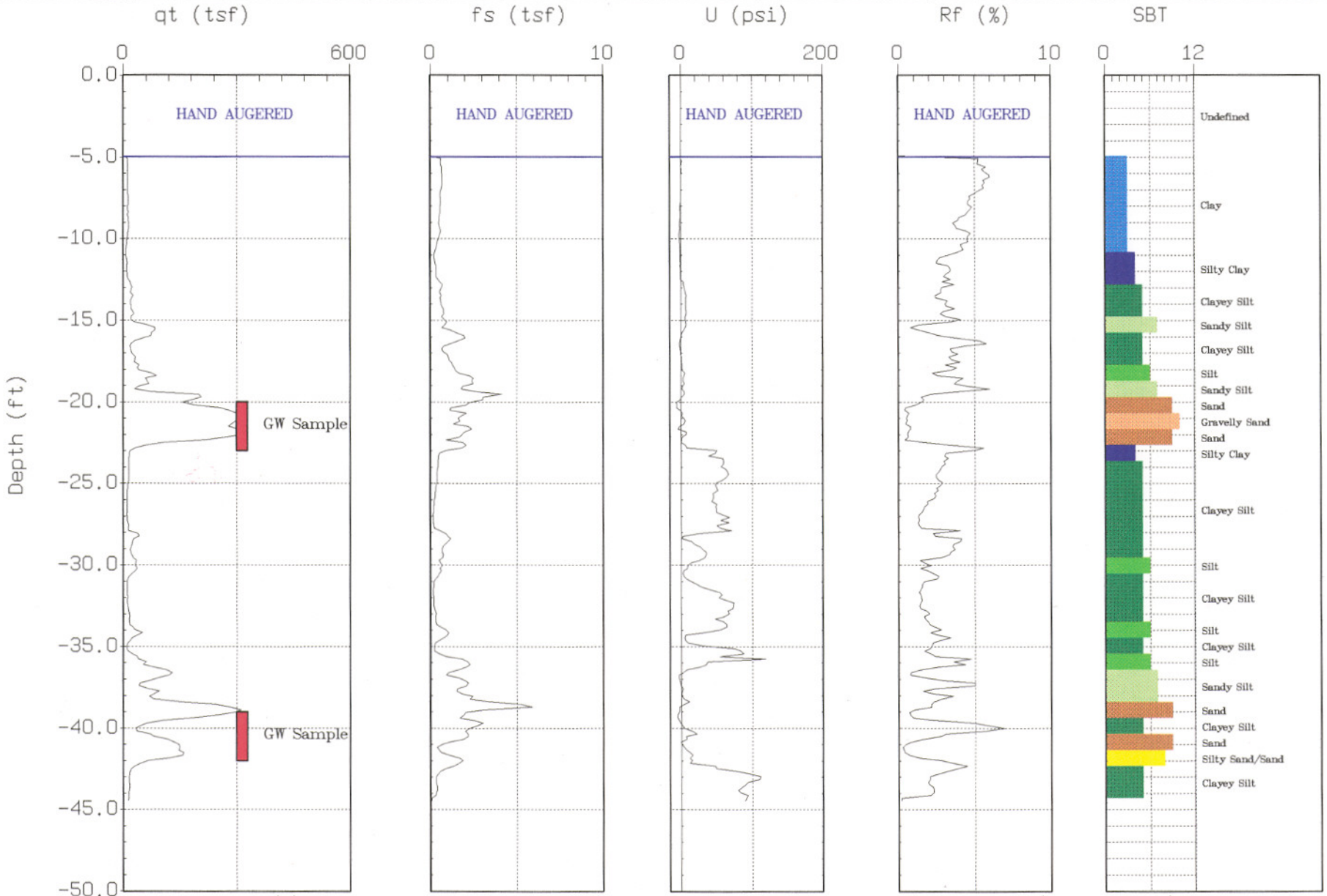
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-5

Geologist : J. ALLAN
Date : 09:04:03 09:42



Max. Depth: 44.45 (ft)

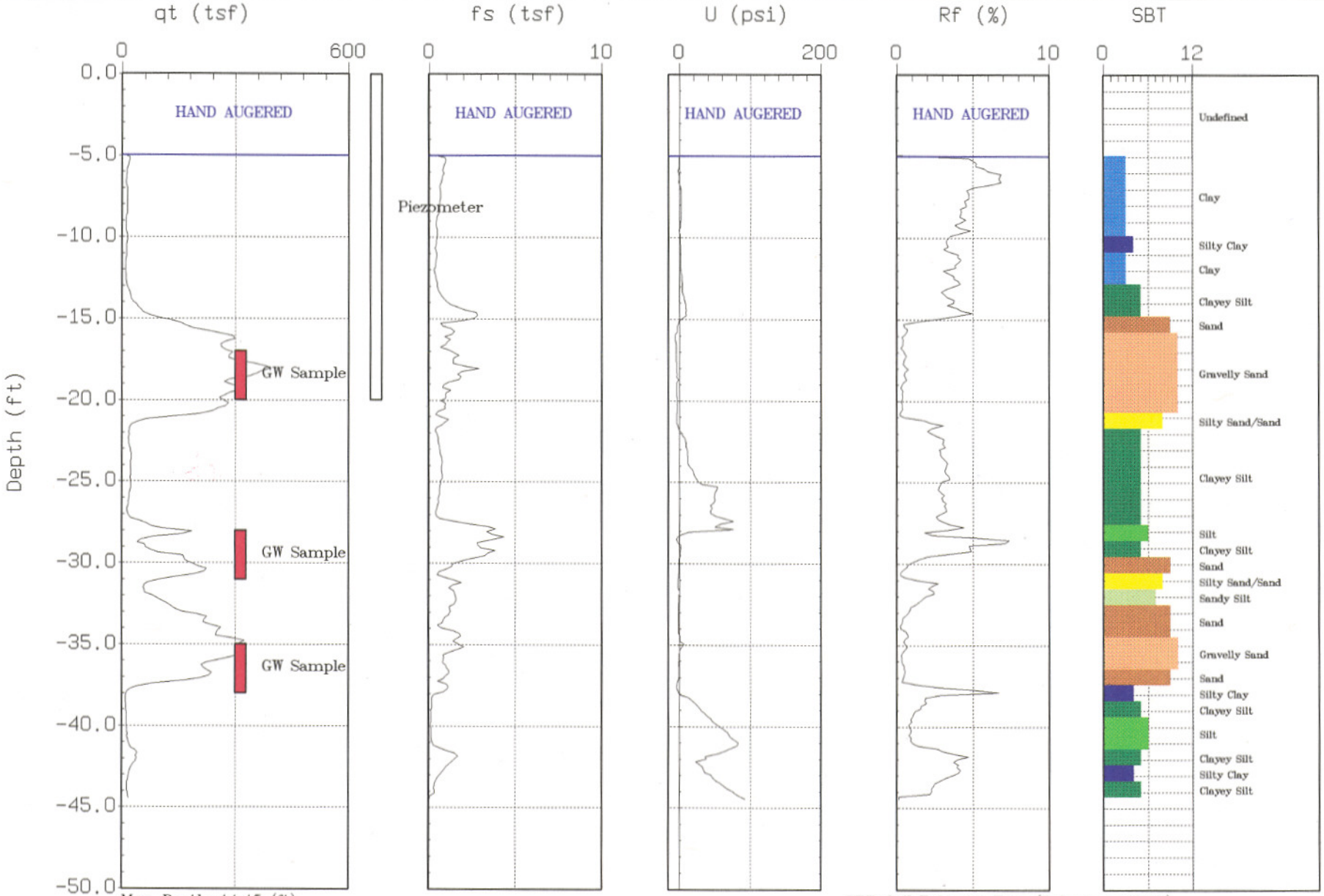
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-6

Geologist : J. ALLAN
Date : 09:04:03 11:51



Max. Depth: 44.45 (ft)

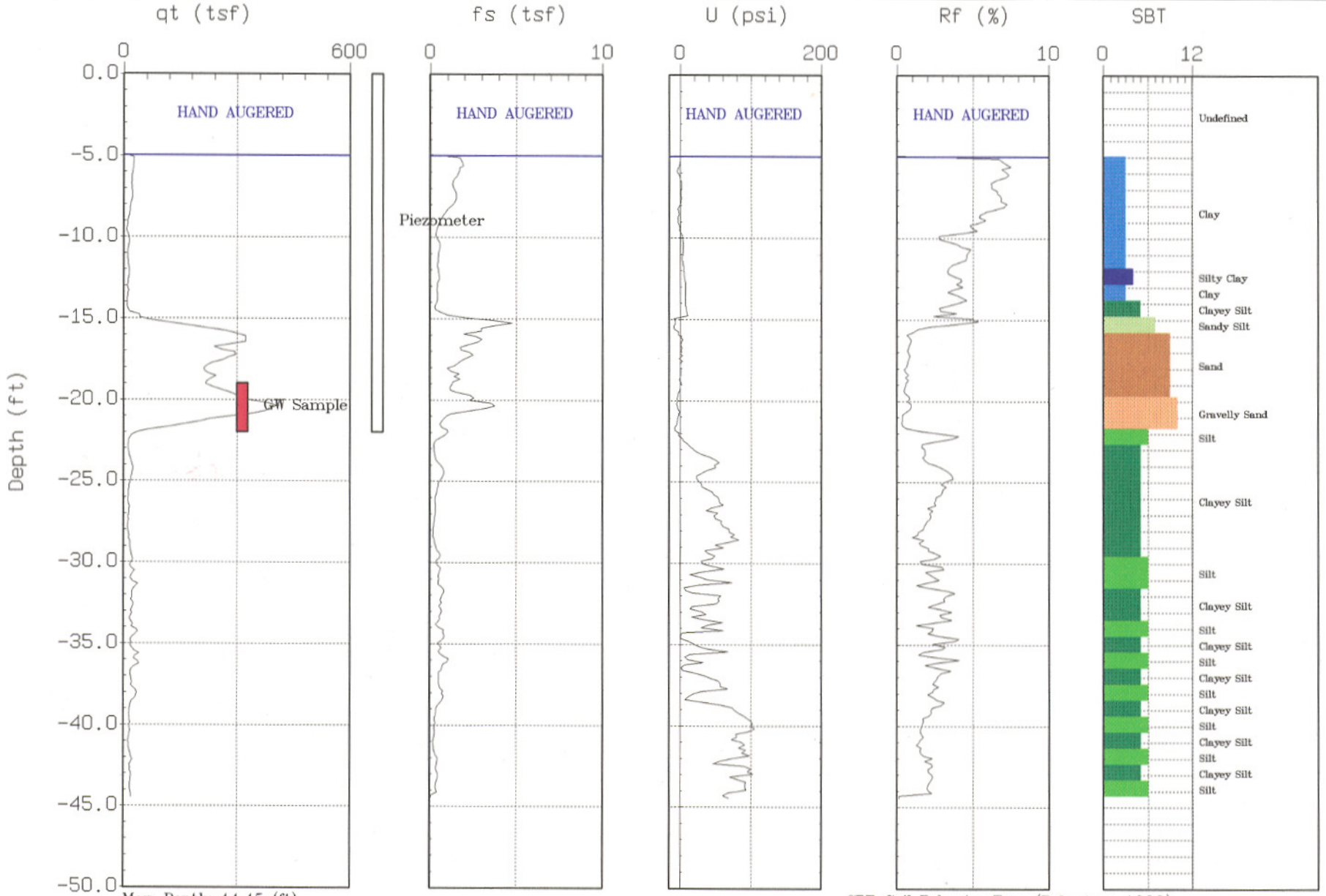
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-7

Geologist : J. ALLAN
Date : 09:05:03 10:30



Max. Depth: 44.45 (ft)

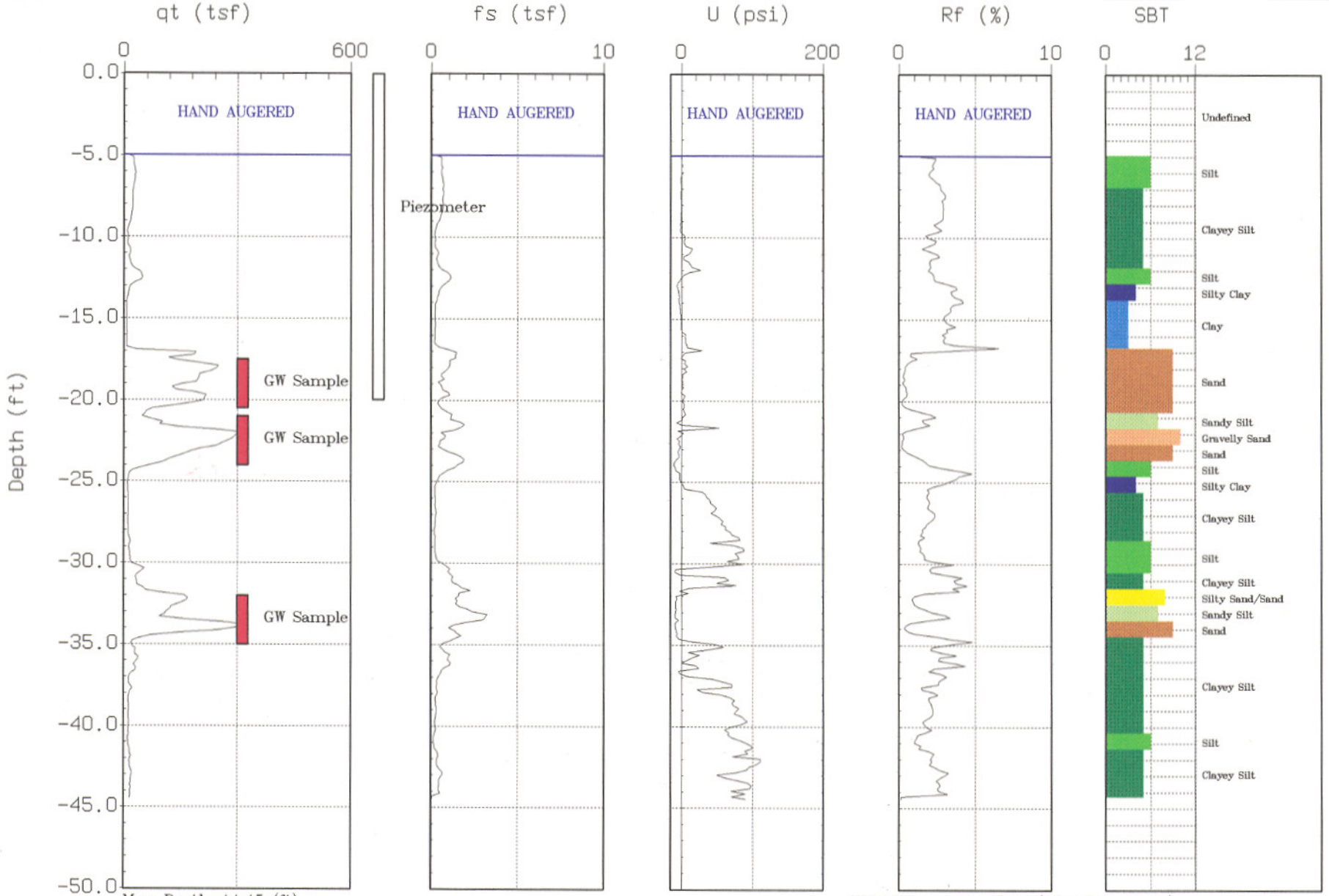
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-8

Geologist : J. ALLAN
Date : 09:05:03 07:59



Max. Depth: 44.45 (ft)

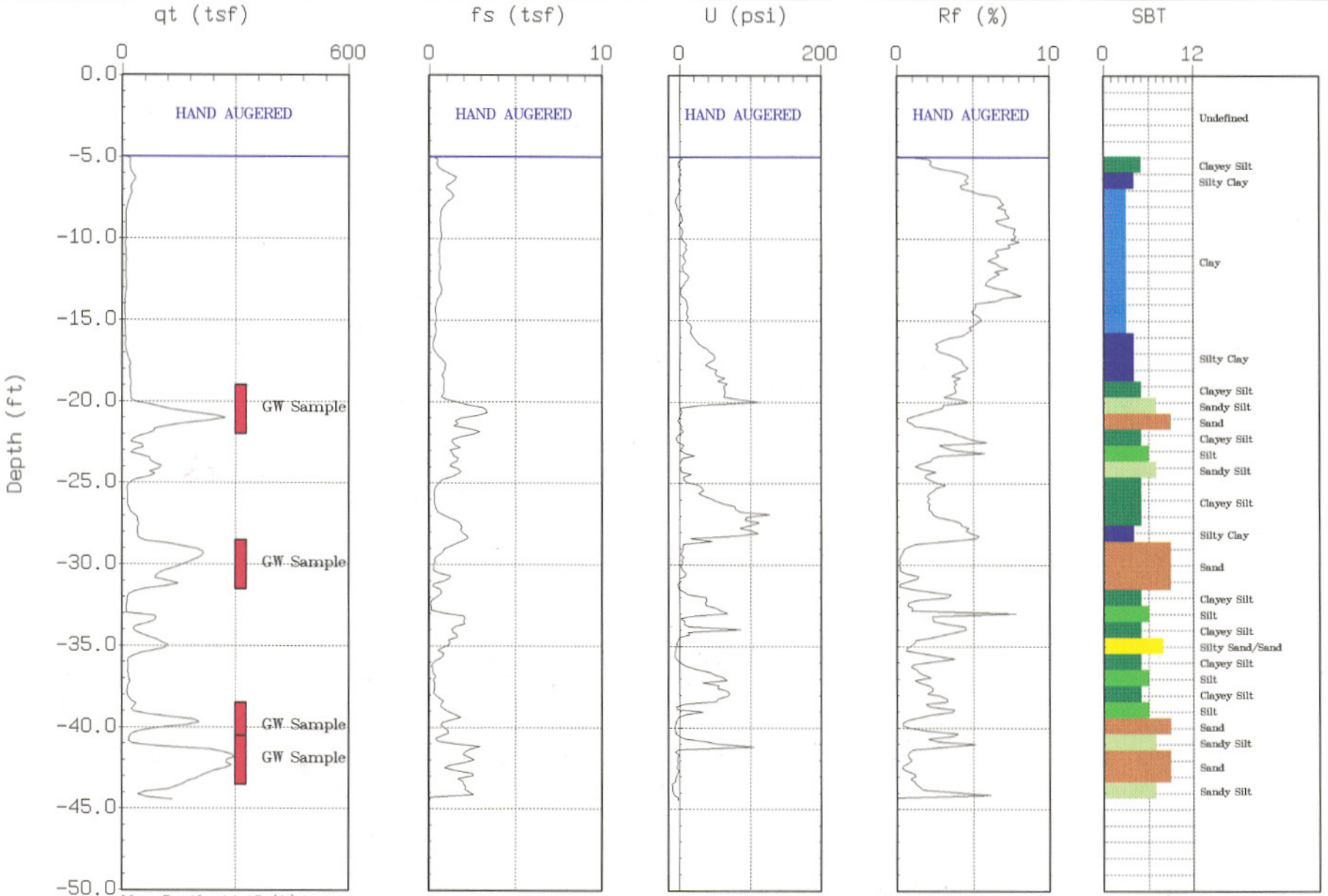
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SGI-9

Geologist : J. ALLAN
Date : 09:05:03 12:54



Max. Depth: 44.45 (ft)

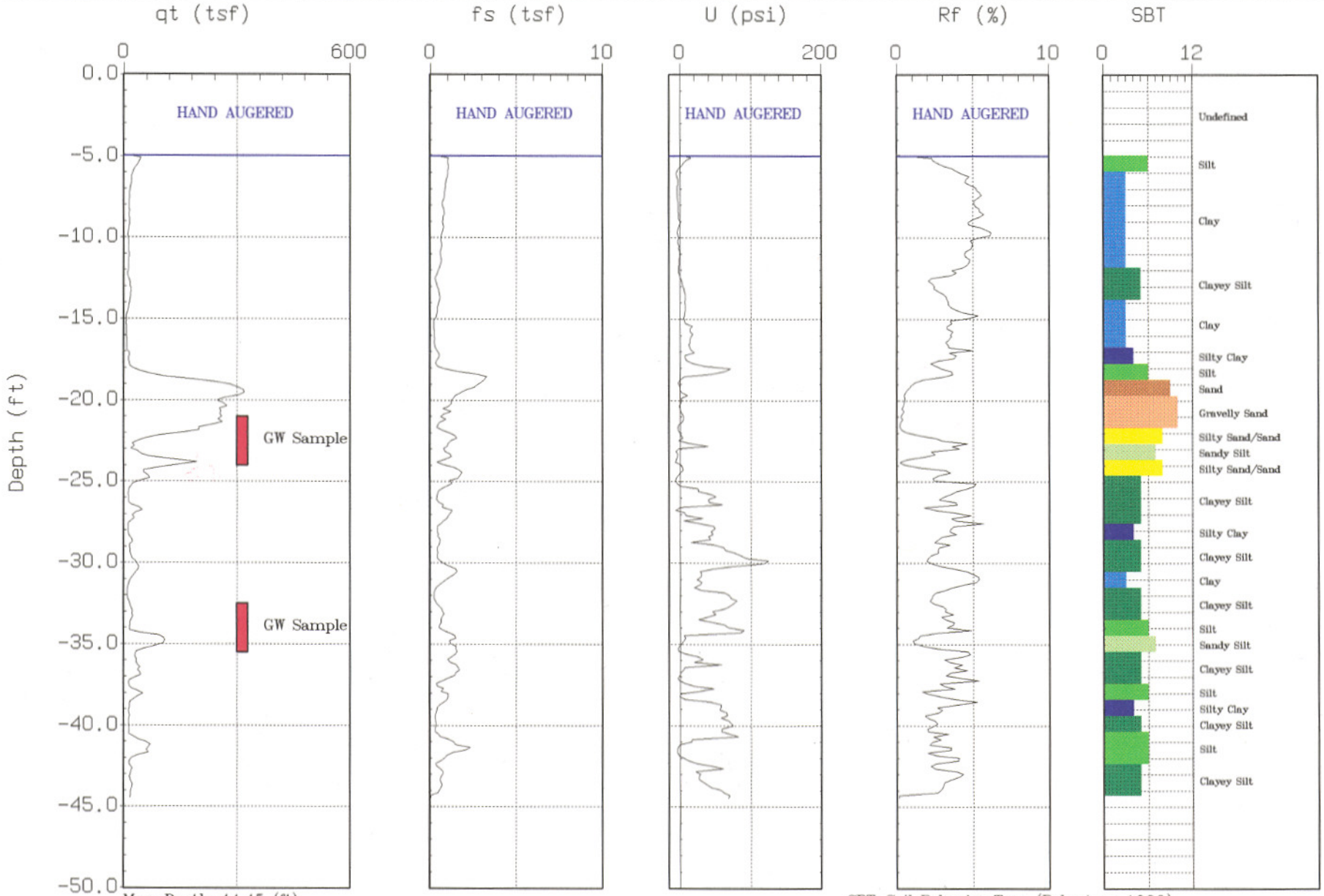
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-10

Geologist : J. ALLAN
Date : 09:08:03 11:11



Max. Depth: 44.45 (ft)

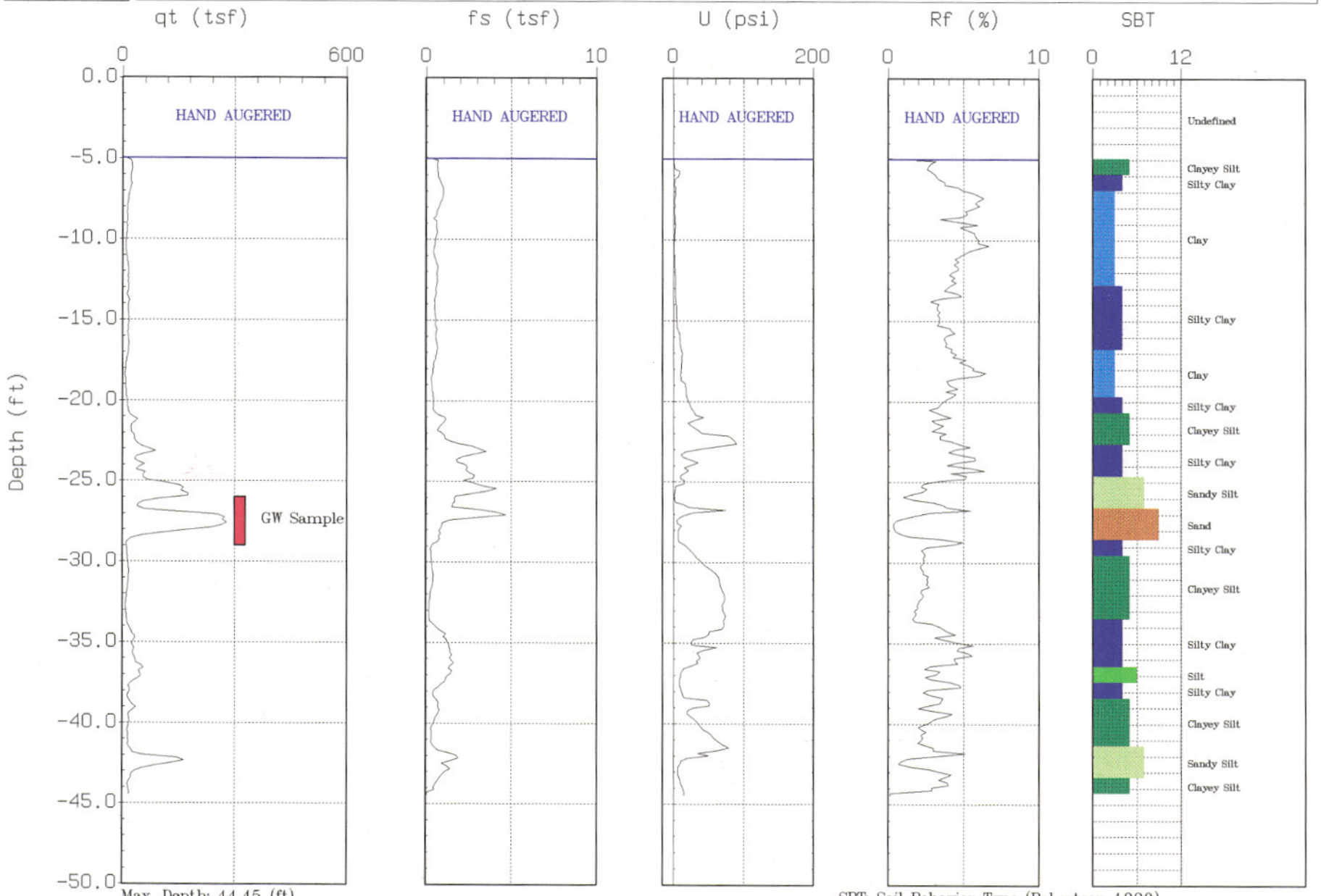
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-11

Geologist : J. ALLAN
Date : 09:08:03 12:53



Max. Depth: 44.45 (ft)

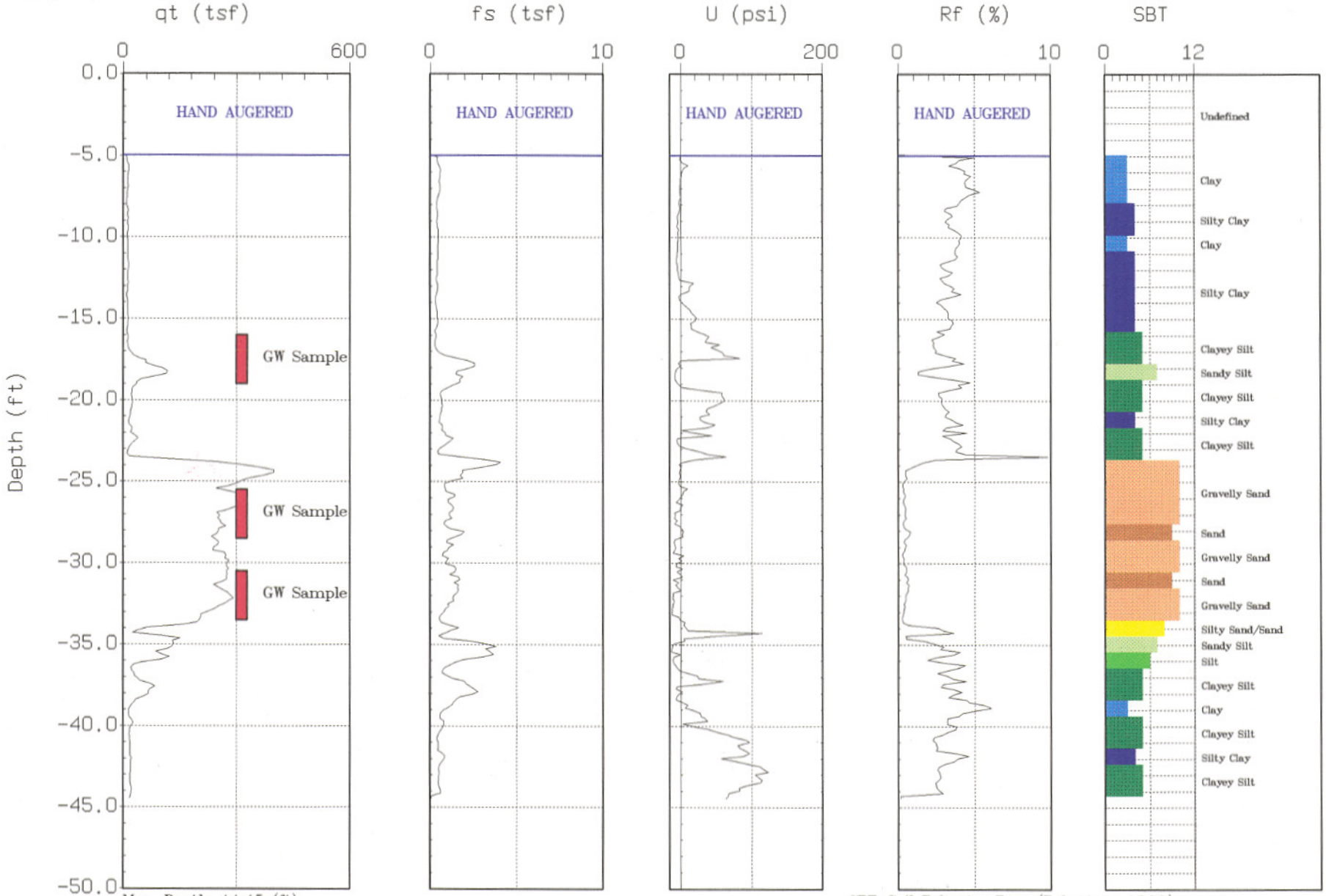
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-12

Geologist : J. ALLAN
Date : 09:09:03 10:07



Max. Depth: 44.45 (ft)

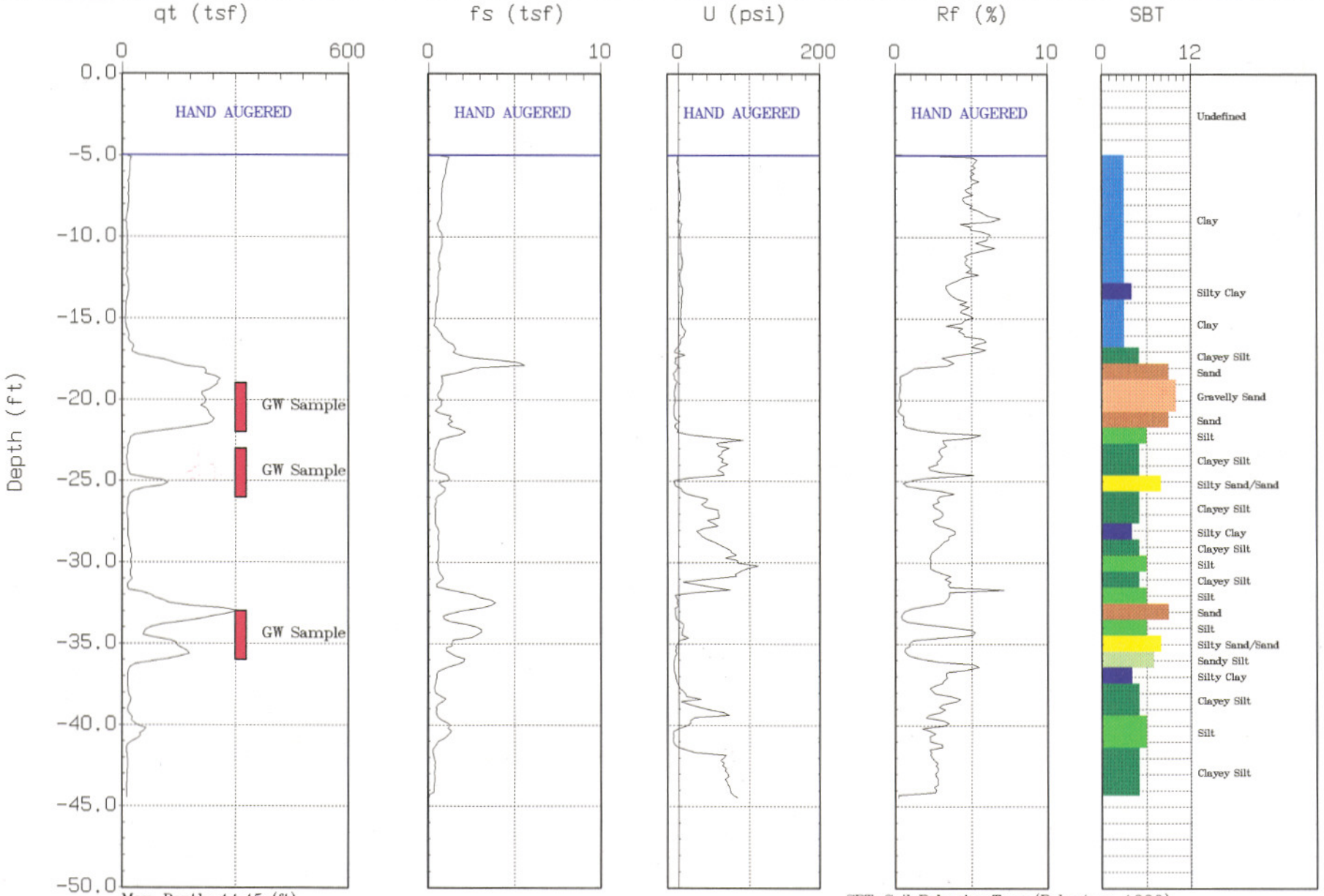
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-13

Geologist : J. ALLAN
Date : 09:09:03 08:10



Max. Depth: 44.45 (ft)

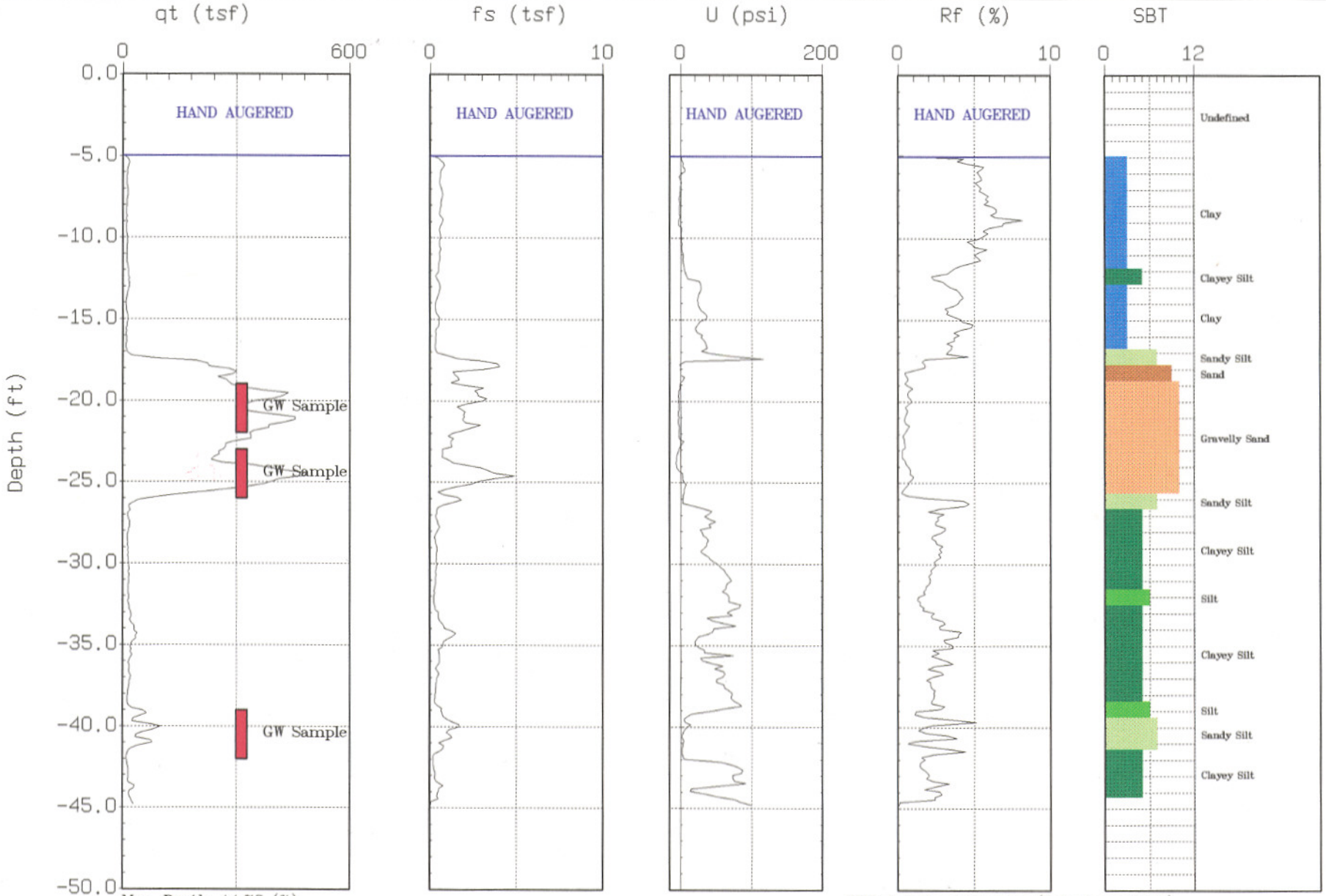
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-14

Geologist : J. ALLAN
Date : 09:09:03 12:10



Max. Depth: 44.78 (ft)

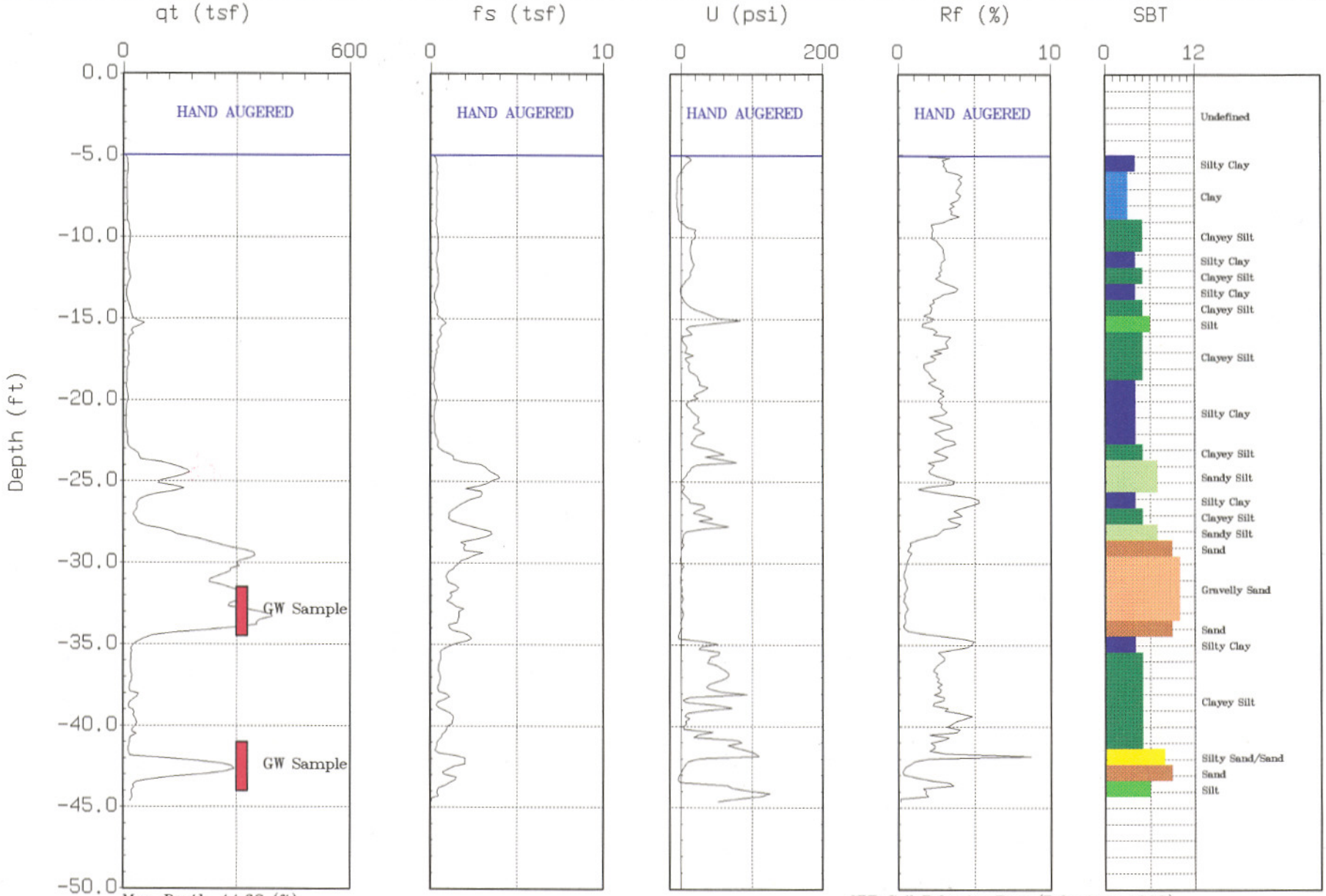
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-15

Geologist : J. ALLAN
Date : 09:09:03 14:24



Max. Depth: 44.62 (ft)

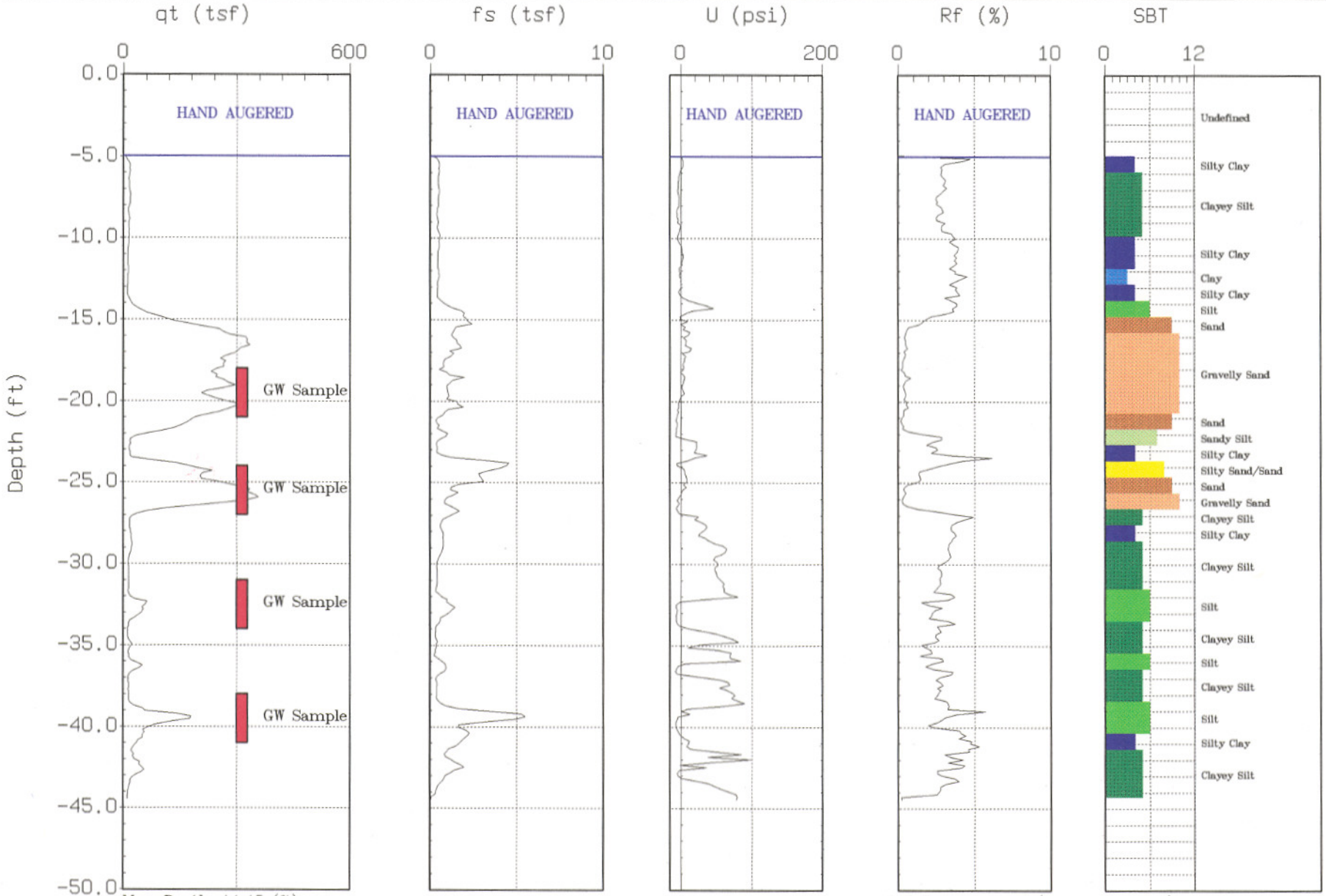
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-16

Geologist : J. ALLAN
Date : 09:10:03 08:08



Max. Depth: 44.45 (ft)

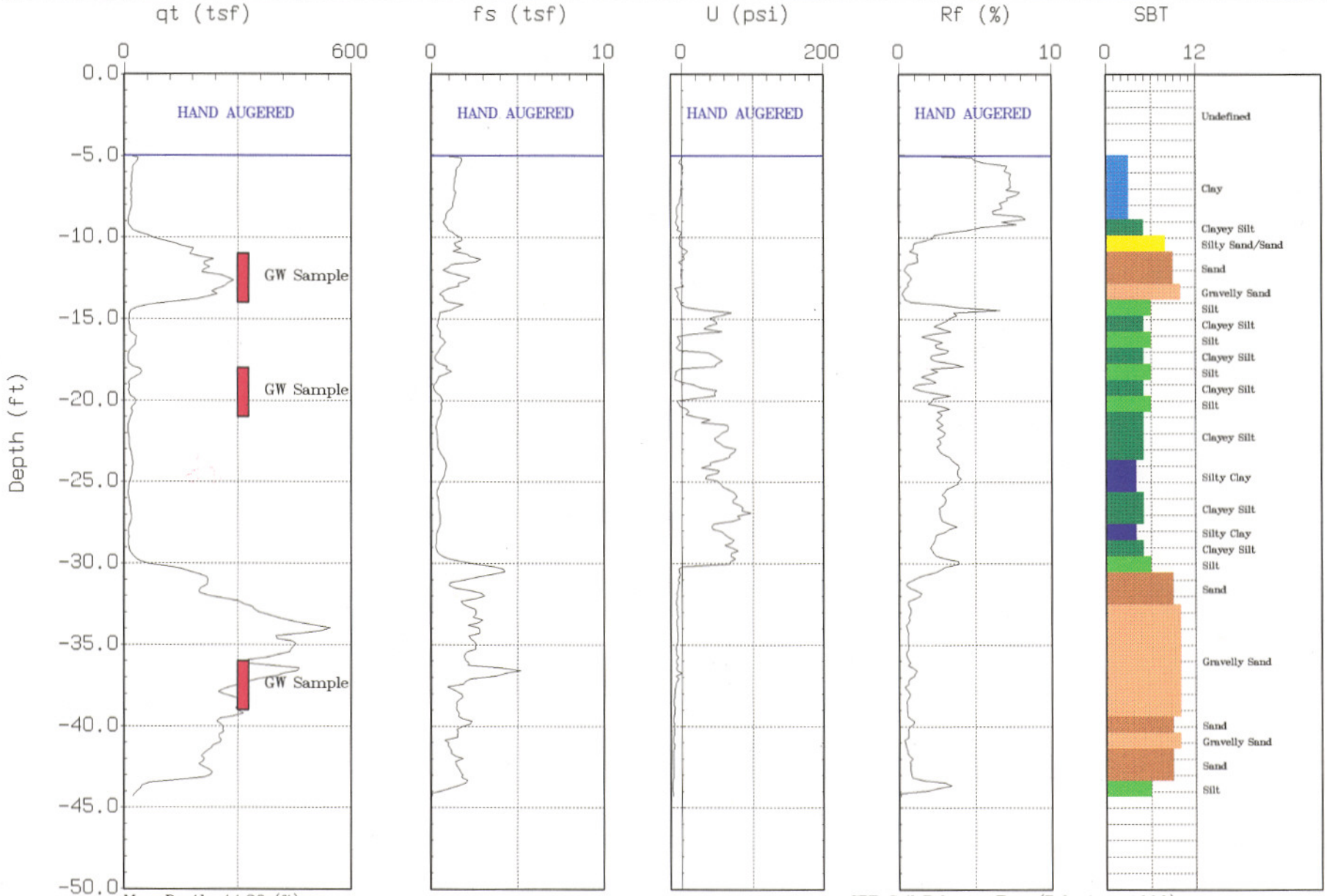
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-17

Geologist : J. ALLAN
Date : 09:10:03 10:58



Max. Depth: 44.29 (ft)

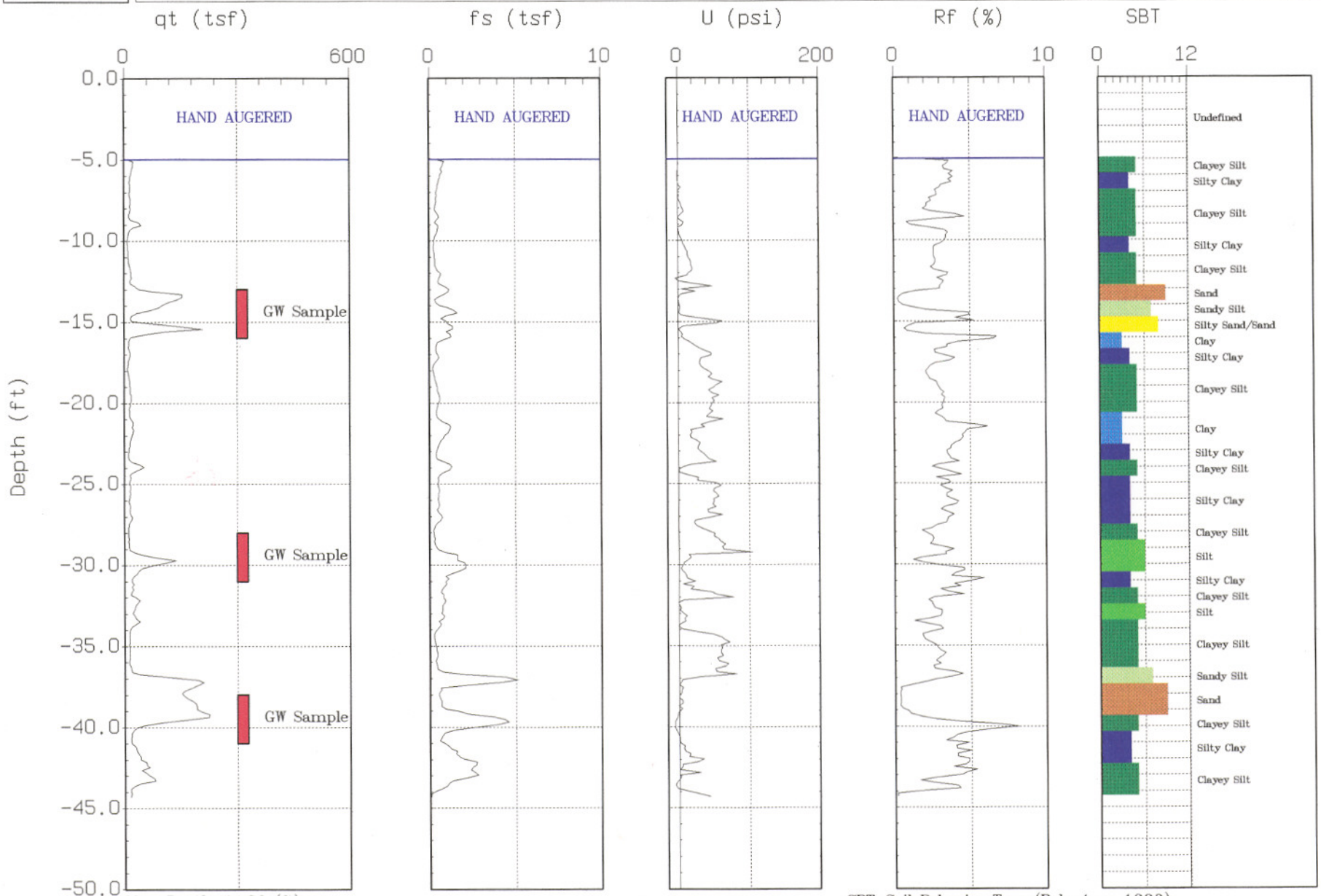
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-18

Geologist : J. ALLAN
Date : 09:10:03 14:03



Max. Depth: 44.29 (ft)

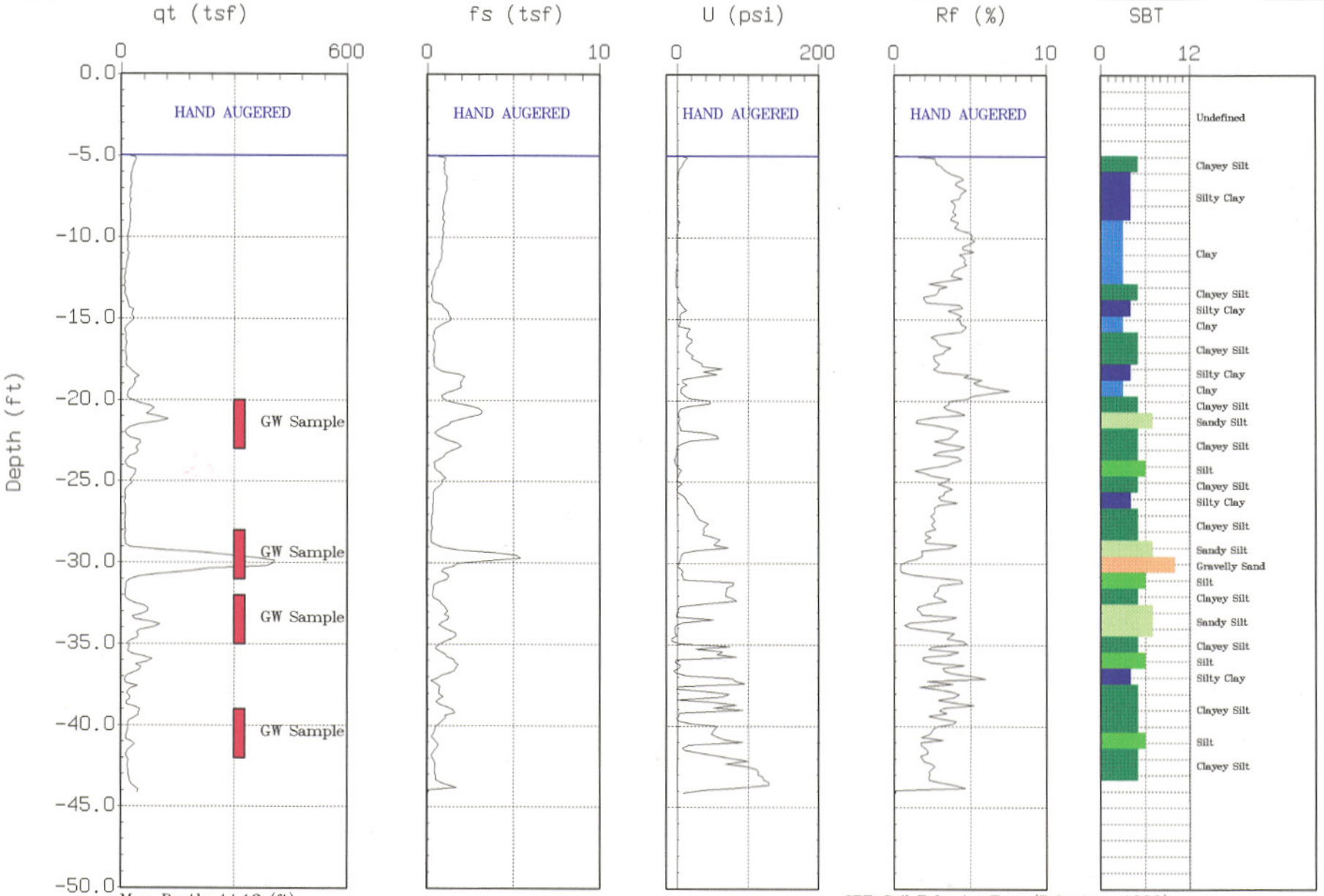
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-19

Geologist : J. ALLAN
Date : 09:11:03 10:18



Max. Depth: 44.13 (ft)

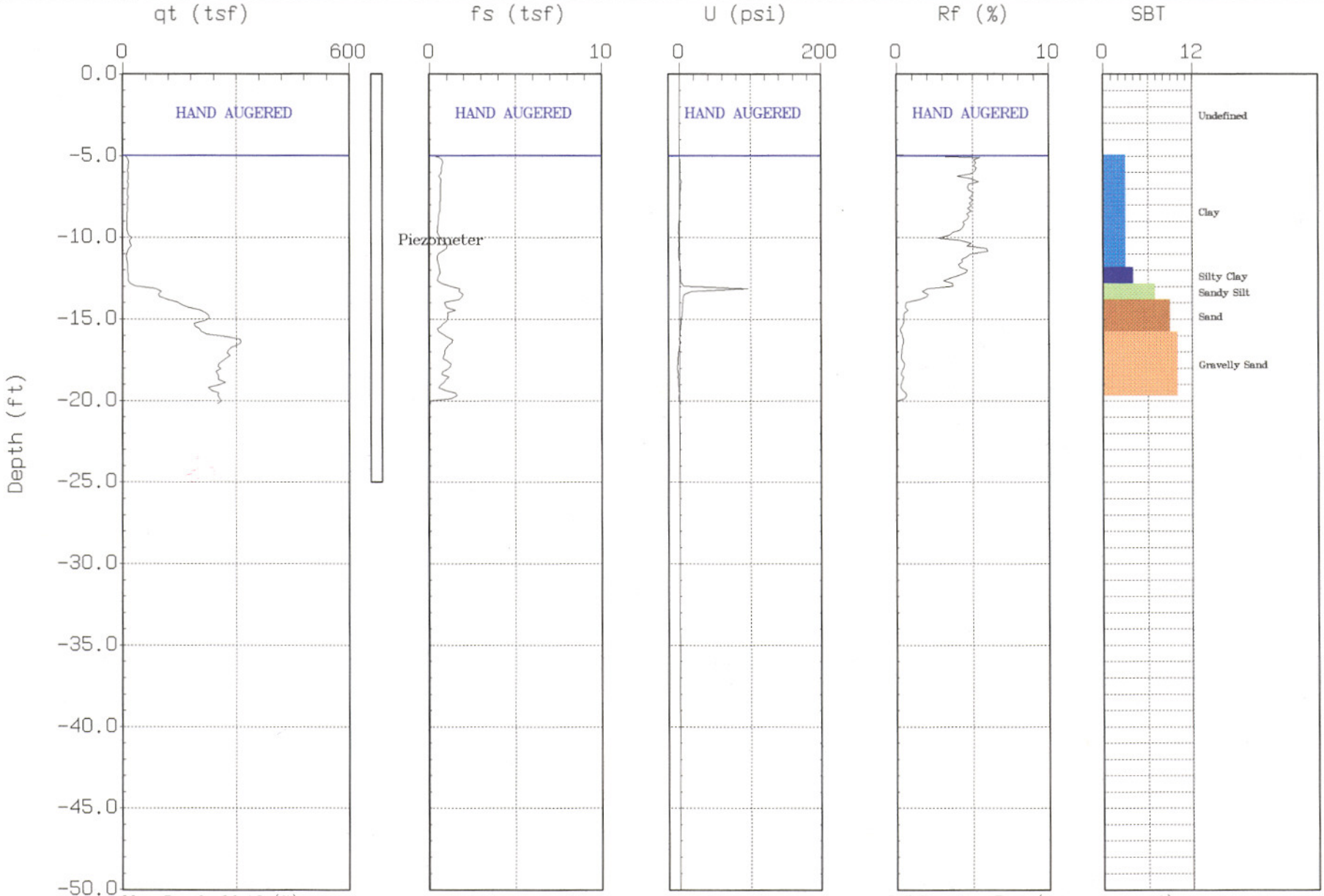
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-P2

Geologist : J. ALLAN
Date : 09:04:03 08:30



Max. Depth: 20.18 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

Appendix C

Laboratory Analytical Reports and Chain of Custody Records

Appendix D

Purge Logs

THE SI Group

MONITORING WELL PURGE LOG

Project Name: Moffett PRP Study
Project Number: 40273
Weather: 70°F SUNNY
Purging Equipment: Teflon ~~Bailers~~
peristaltic pump w teflon tubing

Site Location: 830 Leong Drive
Well ID: MW-1
Date: 9/9/03

WELL CHARACTERISTICS

Casing material/diameter (inches): 2" PVC
Screen Interval (ft. BTOC):
Total Well Depth (ft. BTOC): 27.8

Purging/sampling crew:
Initial (pre-purging) DTW/time (ft. BTOC): 8.51
Calculated well volume :
3 well volumes (gal) = 3 x 3.14 x r^2 h x 7.48 gal/ft^3 =
(where r is in feet)

Water Quality Instrument(s):
Horiba U-10

0.5 gal per foot water for a 2 inch well
2 gallons per foot of water for a 4 inch well

Groundwater Quality Parameter Measurements

Time	DTW (ft. BTOC)	Cumulative Volume Purged (gallons)	Temp. (degree C) ± 0.2 °C	Conductivity (uS/cm) ± 5%	pH (su) ± 0.2 SU	Comments
1105	8.51	—	—	—	—	BEGIN PURGE
1115	8.54	.75	19.7	1.05	6.74	
1120	8.54	1.25	19.6	1.04	6.72	
1125	8.54	1.75	19.5	1.04	6.70	

THE SI Group

MONITORING WELL PURGE LOG

Project Name: Moffett PRP Study
Project Number: 40273
Weather: 70°F SUNNY
Purging Equipment: Teflon ~~Bailers~~
peristaltic pump w teflon tubing

Site Location: 830 Leong Drive
Well ID: MW-2
Date: 9/9/03

WELL CHARACTERISTICS

Casing material/diameter (inches): PVC 2"
Screen Interval (ft. BTOC):
Total Well Depth (ft. BTOC): 27.6

Purging/sampling crew: LANE MIDDLETON
Initial (pre-purging) DTW/time (ft. BTOC): 8.65
Calculated well volume :
3 well volumes (gal) = 3 x 3.14 x r^2 h x 7.48 gal/ft^3 =
(where r is in feet)

Water Quality Instrument(s):
Horiba U-10

0.5 gal per foot water for a 2 inch well
2 gallons per foot of water for a 4 inch well

Groundwater Quality Parameter Measurements

Time	DTW (ft. BTOC)	Cumulative Volume Purged (gallons)	Temp. (degree C) ± 0.2 °C	Conductivity (uS/cm) ± 5%	pH (su) ± 0.2 SU	Comments
1035	8.65	—	—	—	—	BEGIN PURGE
1045	8.65	.75	19.9	1.05	6.76	
1050	8.65	1.25	19.8	1.05	6.76	
1055	8.65	1.75	19.8	1.05	6.75	END PURGE
1100	COLLECT SAMPLE					

THE SI Group

MONITORING WELL PURGE LOG

Project Name: Moffett PRP Study
Project Number: 40273
Weather: overcast w drizzle
Purging Equipment: Teflon Bailers
Peristaltic w teflon tubing

Site Location: 830 Leong Drive
Well ID: MW-3
Date: 9/9/03

WELL CHARACTERISTICS

Casing material/diameter (inches): 2" PVC
Screen Interval (ft. BTOC):
Total Well Depth (ft. BTOC): 27.55

Purging/sampling crew: JA & LM
Initial (pre-purging) DTW/time (ft. BTOC): 9.11
Calculated well volume :
3 well volumes (gal) = 3 x 3.14 x r^2 h x 7.48 gal/ft^3 =
(where r is in feet)

Water Quality Instrument(s):
Horiba U-10

0.5 gal per foot water for a 2 inch well
2 gallons per foot of water for a 4 inch well

Groundwater Quality Parameter Measurements

Time	DTW (ft. BTOC)	Cumulative Volume Purged (gallons)	Temp. (degree C) ± 0.2 °C	Conductivity (uS/cm) ± 5%	pH (su) ± 0.2 SU	Comments
17:40	9.11					
17:50	9.11	1 gal	20.3	1.09	6.69	
17:55	9.11		20.1	1.09	6.66	
18:00	9.11	2 gal	19.8	1.09	6.68	
18:05	9.11		19.7	1.09	6.68	
18:10	9.11	3 gal	19.6	1.09	6.69	
		Sample 18:10				

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THE SI Group

MONITORING WELL PURGE LOG

Project Name: Moffett PRP Study
Project Number: 40273
Weather: overcast
Purging Equipment: ~~Teflon Bailers~~ peristaltic w/ teflon tubing

Site Location: 830 Leong Drive
Well ID: MW-9
Date: 9/9/03

WELL CHARACTERISTICS

Casing material/diameter (inches): 2"
Screen Interval (ft. BTOC):
Total Well Depth (ft. BTOC): 27.95

Purging/sampling crew: JA & LM
Initial (pre-purging) DTW/time (ft. BTOC): 9.28
Calculated well volume :
3 well volumes (gal) = 3 x 3.14 x r^2 h x 7.48 gal/ft^3 =
(where r is in feet)

Water Quality Instrument(s):
Horiba U-10

0.5 gal per foot water for a 2 inch well
2 gallons per foot of water for a 4 inch well

Groundwater Quality Parameter Measurements

Time	DTW (ft. BTOC)	Cumulative Volume Purged (gallons)	Temp. (degree C) ± 0.2 °C	Conductivity (uS/cm) ± 5%	pH (su) ± 0.2 SU	Comments
5:04	9.28					
5:13	9.30		20.6	1.07	6.73	
5:18	9.30		20.2	1.06	6.72	
5:23	9.30	2 gal	19.7	1.06	6.68	
5:28	9.30		19.5	1.06	6.66	
5:33	9.30	3 gal	19.6	1.06	6.59	
	sample 17:40					

THE **SI Group**

MONITORING WELL PURGE LOG

Project Name: Moffett PRP Study
Project Number: 40273
Weather: overcast
Purging Equipment: ~~Teflon Bailers~~ peristaltic w/ tef. tubing

Site Location: 830 Leong Drive
Well ID: MW-5
Date: 9/9/03

WELL CHARACTERISTICS

Casing material/diameter (inches): 2"
Screen Interval (ft. BTOC):
Total Well Depth (ft. BTOC): 27.6'

Purging/sampling crew: JA & LM
Initial (pre-purging) DTW/time (ft. BTOC): 9.55'
Calculated well volume :
3 well volumes (gal) = 3 x 3.14 x r^2 h x 7.48 gal/ft^3 =
(where r is in feet)

Water Quality Instrument(s):
Horiba U-10

0.5 gal per foot water for a 2 inch well
2 gallons per foot of water for a 4 inch well

Groundwater Quality Parameter Measurements

Time	DTW (ft. BTOC)	Cumulative Volume Purged (gallons)	Temp. (degree C) ± 0.2 °C	Conductivity (uS/cm) ± 5%	pH (su) ± 0.2 SU	Comments
4:25	9.55					
4:32	9.55		19.8	1.00	6.70	
4:37	9.55		19.5	0.99	6.57	
4:42	9.55		19.3	1.00	6.49	
4:47	9.55	≈2 gall	19.2	1.00	6.46	
	Sampled @		4:55			

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Appendix E

Cal-Trans Encroachment Permit,
City of Mountain View Excavation Permit, and
Santa Clara Valley Water District Permit

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120

Permit No.	0403-6SV1437
Dist/Co/Rte/PM	04-SCL-101 48.2
Date	August 5, 2003
Fee Paid	$ 320.00
Deposit	$
Performance Bond Amount (1)	
Payment Bond Amount (2)	
Bond Company	
Bond Number (1)	
Bond Number (2)	

In compliance with (*Check one*):

☒ Your application of July 15, 2003

☐ Utility Notice No. _____ of _____

☐ Agreement No. _____ of _____

☐ R/W Contract No. _____ of _____

TO: The SI Group, Inc.
155 Tri-County Parkway, Suite 250
Cincinnati, OH 45246

Attn: Miles W. Botton
Phone: (513) 771-3617

, **PERMITTEE**

And subject to the following, **PERMISSION IS HEREBY GRANTED** to:

Perform 25 soil borings to collect groundwater samples on State Highway 04-SCL-101, Post Mile 48.2, at Route 101/Moffet Field Boulevard Interchange in the City of Mountain View.

A minimum of one week prior to start of work under this permit, notice shall be given to, and approval of construction details, operations, public safety, and traffic control shall be obtained from State Representative, Ahmad Azimzadeh, 380 Foster City Blvd., Foster City, 94404, (650) 573-8669, weekdays between 7:30 AM and 4:00 PM.

Work shall be coordinated with State Representative Jacob Saidian, telephone no. (408) 254-5823 and VTA Representative Andy Kreck, telephone no. (650) 210-5581 in regard with the on-going State construction project at the location.

All permitted work requiring traffic control requires the permittee to apply for and obtain a lane closure number prior to the start of any work that may affect traffic. See the attached "Encroachment Permit Project Traffic Control Procedures" and the attached "Permit Project Traffic Control Request Form". Additional time beyond the minimum seven day advanced notice required in the above paragraph may be required for obtaining the traffic control approval.

The following attachments are also included as part of this permit (*Check applicable*):

☒ Yes	☐ No	General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☐ Yes	☒ No	Special Provisions
☐ Yes	☒ No	A Cal-OSHA permit required prior to beginning work: # _____

In addition to fee, the permittee will be billed actual costs for:

☐ Yes	☒ No	Review
☒ Yes	☐ No	Inspection
☒ Yes	----------	Field Work

(*If any Caltrans effort expended*)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before November 30, 2003

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

APPROVED:

BIJAN SARTIPI, District Director

BY:

S. S. NOZZARI, District Permit Engineer

NAME: The SI Group
PERMIT NO: 0403-65V1437
DATE: August 14, 2003

Permittee shall be billed at the rate of $80.00 per hour for processing and inspection for future surveys upon each notification.

When approved, traffic control performed under this permit shall be in accordance with the appropriate State Standard Plans T-10 through T-14. Where required by the plan, the use of a flashing arrow-board is MANDATORY.

For shoulder closures, see Standard Plan Sheet T-10. Parking may be restricted, as needed.

Traffic control is restricted to closure of shoulders between 9 AM and 3 PM, Monday through Friday, holidays excepted.

When survey operations are being conducted, the permittee shall furnish, place and maintain required signs, safety equipment in accordance with the latest edition of the "Manual of Traffic Controls for Construction and Maintenance Work Zones".

Permittee's personnel shall wear hard hats and bright colored vests, shirts, or jackets with retro-reflective material as appropriate.

Any painted markings shall be made with water-soluble paint.

Survey information and assistance may be obtained upon request to: Survey Section, Department of Transportation, P.O. Box 23660, Oakland, Ca. 94623-0660.

SURVEY WORK IS PROHIBITED ON MAIN FREEWAY ROADWAYS.

Excavation Permit

City of Mountain View - Public Works Department - Land Development Section
500 Castro Street - P.O. Box 7540 - Mountain View, California 94039-7540
Tele (650) 903-6311 FAX (650) 903-6499

Permit No 2003 - 104

Item Number: 7217
Date Issued: 8/28/2003 ☐ cancelled
Fees Paid: $1,312.00
Date completed:
Inspected By

Fees Billed: ☐ Invoice Paid
Bill To:
Deposit Account No. PWEXCA 223595-42705

Bond Amount:
Issued By:
Bond Number:
Bond Release Date:

Address of Work: number | **Various Locations** street name | H4 701 Grid | *Terra Bella Ave, San Rafeal, Leong/Fairchild Drive and L'Avenida trail head*

Work Description: environmental sampling/soil borings around the intersection of highway 101 and Moffet Blvd. Intersection.

Permittee:	**Contractor (if applicable):**	**Owner (if applicable):**
Gregg In Situ	same as permittee	SI group
950 Howe Road		155 Tri County Parkway, Ste. 250
Martinez CA 94553		Cincinnati OH 45246
Attn: Mary walden	Attn:	Attn: Jane Allen
Tele: (925) 313-5800	Tele:	Tele: (513) 771-3617
Fax: (925) 313-0302	Fax:	Fax: (513) 771-3723

Permission is granted to Permittee to perform the work as shown on the attached request subject the attached special conditions and standard excavation permit conditions.

Environmental:
Pursuant to Section 2.84 of the Mountain View City Code, this work is determined to be a Class 1 Categorical Exemption (Admin. Code Section 15301) for the operation, repair, maintenance or minor alteration of existing public or private structures, facilities mechanical equipment, or topographical features; and a Class 4 Categorical Exemption (Admin. Code Section 15304) for minor public or private alterations in the condition of land, water and/or vegetation.

The following checked attachments are also included as part of this permit.

- ☑ Special Conditions for Excavation Permits
- ☑ Standard Conditions for Excavation Permits
- ☑ Application Request
- ☑ Excavation Permit Plan
- ☐ Improvement Plan Project Number:
- ☐ Special Traffic Control Plan
  (If none, then comply w/std. conditions attached)
- ☐ Insurance Certificate and Endorsement
- ☐ Water Service Application (copy)
- ☐ Sewer Service Application (copy)
- ☐ SCVWD Well Construction/Destruction Permit
- ☐ SCVWD Exploratory Boring Permit
- ☐ USA ID Number:
  (If none, then call USA prior to start of work.)
- ☐ No SCVWD permit is required since the borings are not deeper than 45' deep.

Prepared By: Leonard Smith
Leonard Smith
Assistant Engineer

Approved By: Ron Metsers
Ron Metsers
Land Development Engineer

Distribution: w/attach.: Permittee, Contractor (if applicable), CE (2 sets), LDE, File (Excavation Permits)
w/o attach.: Owner (if applicable)

SPECIAL CONDITIONS

ADMINISTRATIVE

1. **Coordination and Interpretation**: The Special Conditions, Plans, Standard Conditions for Excavation Permits, Standard Provisions, Standard Specifications and all supplementary documents are essential parts of the permit. A requirement occurring in one is binding as though occurring in all. They are intended to be cooperative to describe and provide for a complete work. In case of conflict between one or more of these documents, the governing order of precedence among the documents shall be (1) the Excavation Permit and Special Conditions, (2) Plans, (3) Standard Conditions for Excavation Permits, (4) Standard Provisions and Standard Details, and Standard Specifications.

2. **Notification to Public Work**: The contractor shall notify the Public Works Inspector at least two working days prior to commencing work. See Condition 29 of the Standard Conditions for Excavation Permit.

3. **Additional Fees**: Permittee shall pay the City for actual plan check or inspection costs that exceed the plan check or inspection fee paid within 30 days upon receipt of an invoice from the City.

4. **Cease Project Work to Repair Damage**: When the contractor severs or breaks a service line, such as a sanitary sewer lateral, water service or storm drain line, the contractor shall cease all work on the project immediately and cause repairs to be made in an expeditious manner. When the repair is completed to the satisfaction of the City, the contractor will then be authorized to resume his work.

5. **Withholding of Future Permits**: Any unsatisfactory work or failure to comply with these conditions and requirements may, at the City's sole discretion, result in the withholding of future permits to the Permittee and contractor.

6. **Time is of the Essence**: Time is of the essence on the use of the public right-of-way and completion of the work to be performed. Once construction commences, the work shall be performed continuously until the work is fully completed to the satisfaction of the City.

WORK RESTRICTIONS

7. **Working Hours**: Work will only be permitted during the following times. The City may adjust work hours if there are noise or traffic congestion complaints.

Location	Days	Start	End
a. Terra Bella and San Rafael	M - F	7:30 AM	4:00 PM
b. Leong Dr./ Fairchild	M - F	7:30 AM	4:00 PM
c. L'Avenida Trail head	M - F	7:30 AM	4:00 PM

8. **No Holiday Work**: No work shall be performed on holidays and holiday weekends.

9. **Weekend Work:** The owner indicated that there is a possibility of work needed to be performed on Saturday September 6, 2003. If work is required on Saturday, then the applicant has to pay inspection time (8 x $88).

TRAFFIC CONTROL

10. **No Lane Closures During Non-Working Hours**: Lane closures shall not be permitted during non-working hours.

11. **Flashing Arrow Sign**: Use of a flashing arrow board is mandatory for any lane closure in addition to other traffic control measures.

12. **Pedestrian Access, All Times**: Permittee shall maintain pedestrian access along walkways, including public sidewalks, at all times. Well-compacted base rock may be used as a temporary walking surface.

MISCELLANEOUS

13. **Heritage Tree Root Protection**: Excavations beneath the drip lines of heritage trees shall be hand dug to avoid damaging the roots of the trees.

14. standard conditions 86 - 91 on soil borings must be complied with (see attached standard conditions).

Dickson Tam (public Works inspector)
903 6311

Santa Clara Valley Water District 5750 ALMADEN EXPRESSWAY, SAN JOSE, CA 95118-3614 (408) 265-2600

PERMIT

FCE 60w (04-24-02)

Facility: Stevens Creek

Date Issued: August 19, 2003

Permit No.: 03164

Permittee: The SI Group
Attention: Ms. Jane E. Allan, Ph.D.
155 Tri County Parkway, Suite 250
Cincinnati, OH 45246

Telephone: (513) 771-3617

File: 29348
Stevens Creek
Nly Highway 101
Ely Macon Avenue

Re: Geotechnical Boring at Moffet Federal Airfield

Purpose of Permit:

☒ Encroachment
☒ Construction
☒ Temporary

Drilling of four (4) soil borings, to a depth of 44 feet located within Santa Clara Valley Water District (District) fee title property for the purpose of tracing Trichloroethene at Moffett Federal Airfield—Orion Park Housing.

Construction Expiration Date: February 19, 2004 **Encroachment Expiration Date:** February 19, 2004

PERMITTEE MUST NOTIFY AND FURNISH SCHEDULE OF WORK TO:

District's Construction Unit, c/o Permit Desk, (408) 265-2607, extension 3795, at least 2 normal working days before starting any work under this permit. **Failure to notify is cause for revocation of permit and removal of work.** Exercise of this permit shall indicate acceptance of and agreement to comply with all provisions included herein. This permit is subject to the General Provisions listed on the reverse side hereof or as expressly modified in the additional Special Provisions listed below. Violation of any provision shall be cause for immediate revocation of permit.

SPECIAL PROVISIONS

1. Permittee acknowledges the responsibility under the terms and conditions of this permit to indemnify, defend, and hold harmless the District, its officers, agents, and employees from any and all claims or liability arising from the exercise of this permit.
2. Permittee covenants that if, as a result of the investigation using the borings authorized by the District, contamination is discovered to have migrated onto District property or threatens to migrate onto District property, the District shall be promptly notified and provided a copy of the investigation report. If such contamination occurred as a result of a release of hazardous material on property under the ownership, custody or control of permittee, its clients, owners or principals, such contamination will be included in the cleanup plan submitted to the appropriate regulatory agency. The District shall be provided a copy of the cleanup plan when submitted and provided opportunity to comment on the time line for cleanup.

Continued on page 3

Approval:

Sue A. Tippets

Sue A. Tippets, P.E.
Engineering Unit Manager
Community Projects Review Unit

cc: Gregg Drilling and Testing, Incorporated
Gregg In-Situ, Incorporated
Attention: Mary Walden
950 Howe Road
Martinez, CA 94553

GENERAL PROVISIONS

A. PERMITTEE MUST MAINTAIN A COPY OF THIS PERMIT AND APPROVED PLANS ON JOBSITE FOR DURATION OF CONSTRUCTION PERIOD.

B. All work shall be constructed in accordance with approved plans and to the satisfaction of the District's Inspector. No change of program, as outlined in application or drawings submitted with application, will be allowed except upon written permission of the District. The work area must be restored to the satisfaction of the District's Inspector.

C. Activities and uses authorized under this permit are subject to any instructions of the assigned District representative. ALL INSTRUCTIONS MUST BE STRICTLY OBSERVED.

D. Permittee is responsible for complying with any applicable water quality standards adopted by the District, Regional Water Quality Control Board, State Water Resources Control Board, or other jurisdictional or properly empowered regulatory agency.

E. The permittee shall not use, store, transport, or place any hazardous substances, hazardous wastes, or materials contaminated with hazardous substances on District right of way or adjacent to District right of way such that it may purposefully or accidentally be spilled or otherwise discharged onto same right of way. If a discharge of a hazardous substance or waste occurs as a result of the permittee's operation, the permittee is responsible to: (1) notify the proper authorities; (2) investigate, remove, and monitor the hazardous substances or wastes to the satisfaction of the District and any regulatory agency; (3) bear any and all costs associated with the remedial activities; and (4) be recognized as the generator and owner of the wastes.

F. The permittee shall submit to the District a fully completed "Import Material Certification Form" for any soils that will be placed or stored on District right of way that do not originate from within the legal boundaries of such right of way.

G. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and hold harmless, District, its Directors, officers, agents, and employees from any and all demands, claims, expenses, costs, or liability of any nature, including death or injury to any person, property damage, or any other loss, caused by or arising out of, or incurred in connection with, or resulting from, the exercise of this permit by permittee, or permittee's officers, agents, subcontractors, assignees, or employees, or any of them, including, but not limited to, negligent acts, errors, or omissions, or willful misconduct, or conduct for which the law imposes strict liability on permittee.

H. Any damage caused to District structures including, but not limited to, fencing, levee surfacing, and asphalt walkway by reason of exercise of this permit shall be repaired at the cost of permittee to the satisfaction of the District. Should permittee neglect to make repairs promptly, District may make repairs or have repairs made, and permittee agrees to reimburse District for all costs of such repairs. District may require a security deposit in advance from permittee to secure the performance of this clause. Unexpended portions of any deposit shall be refunded to permittee within 14 working days of the expiration of this permit. The posting of such a security deposit shall not relieve the permittee from any liability under this permit which exceeds the value of the deposit required.

I. This permit is valid only to the extent of District jurisdiction. Permits required by other interested agencies and consent of underlying fee owners of District easement lands are the responsibility of the permittee. NOTHING CONTAINED IN THIS PERMIT SHALL BE CONSTRUED AS A RELINQUISHMENT OF ANY RIGHTS NOW HELD BY THE DISTRICT.

J. This permit is subject to all prior unexpired permits, agreements, easements, privileges, or other rights, whether recorded or unrecorded, in the area specified in this permit. Permittee shall make arrangements with holders of such prior rights.

K. Unless otherwise specified herein, this permit may be revoked or canceled at any time by the District when required for flood control, conservation, or water utility purposes.

L. Upon written notice of cancellation or revocation of this permit for any cause whatsoever, permittee shall restore District right of way and structure to the condition prior to the issuance of the permit and then shall vacate District property. Should permittee neglect to restore the premises or structures to a satisfactory condition, the District may perform such work or have work performed, and permittee agrees to reimburse the District for all costs of the work so performed upon receipt of a statement therefor.

M. Trench safety has not been checked and is not implied with this permit. Compliance with Section 6705 of the Labor Code concerning trench excavation and the obtaining of a "Permit to Excavate" issued by the Division of Occupational Safety and Health as required by Labor Code Section 6500 shall be the responsibility of the permittee.

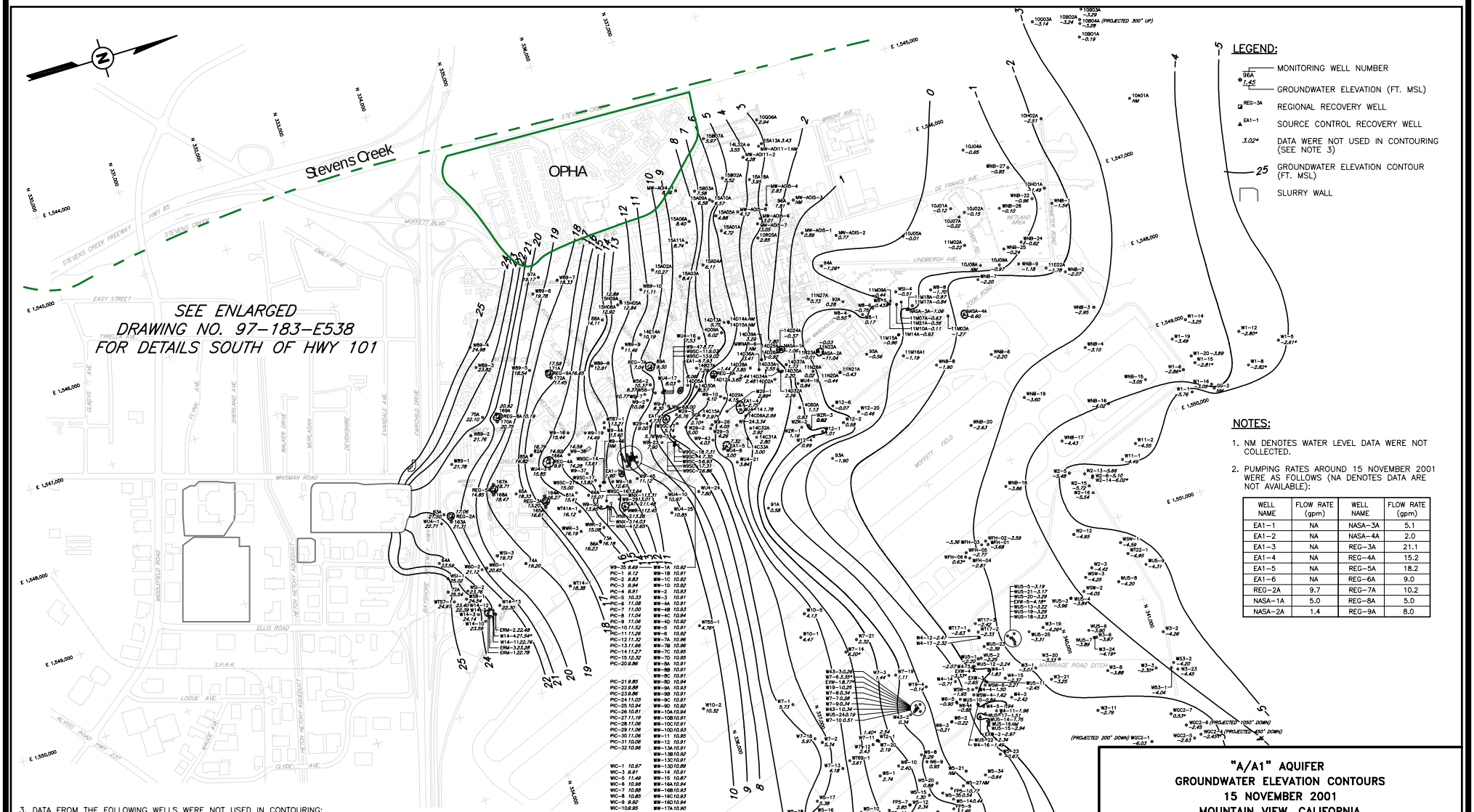
N. Permittee shall be responsible for compliance with California Labor Code Section 6300 (and following).

SPECIAL PROVISIONS—Continued

3. All backfill within District right of way shall be compacted to at least 90 percent relative compaction which shall be determined using maximum dry density based on ASTM D 1557 laboratory test procedure. Field dry density and water content of soil should be determined following the ASTM D 1556 or ASTM D 2922/ASTM D 3017 standard procedure as applicable.
4. Permittee is responsible for any groundwater contamination that may be caused as a result of the drilling of the bore samples.
5. Permittee is responsible for the full cost of repairing any damage to District's facility caused by the exercise of this permit.
6. Permittee is responsible for accurately locating all utilities and for repairing any damage caused by the proposed work underground.
7. Permittee must prevent all construction wastes, including sediment and nonstorm water, from directly or indirectly entering Stevens Creek at any time during the construction.
8. No access will be allowed when the maintenance road is muddy.
9. Permittee shall not store, stockpile, or otherwise place materials onto the District's fee title property.
10. Permittee must return District fee title right of way to its original condition or better to the satisfaction of District's Inspector.
11. Work, including backfilling of the bore hole, shall be performed in accordance with District Ordinance 90-1 and District well standards to the satisfaction of the District's inspector.
12. All work associated with this permit is to be in accordance with the plans that were submitted to and accepted by the District.

Appendix F

Regional Groundwater Elevations Contours



NOTES:

1. NM DENOTES WATER LEVEL DATA WERE NOT COLLECTED.
2. PUMPING RATES AROUND 15 NOVEMBER 2001 WERE AS FOLLOWS (NA DENOTES DATA ARE NOT AVAILABLE):

WELL NAME	FLOW RATE (gpm)	WELL NAME	FLOW RATE (gpm)
EA1-1	NA	NASA-3A	5.1
EA1-2	NA	NASA-4A	2.0
EA1-3	NA	REG-3A	21.1
EA1-4	NA	REG-4A	15.2
EA1-5	NA	REG-5A	18.2
EA1-6	NA	REG-6A	9.0
REG-2A	9.7	REG-7A	10.2
NASA-1A	5.0	REG-8A	5.0
NASA-2A	1.4	REG-9A	8.0

3. DATA FROM THE FOLLOWING WELLS WERE NOT USED IN CONTOURING:

WELL NAME	REASON	WELL NAME	REASON
90A	DATA INCONSISTENT WITH NEARBY WELLS	W2-14	DATA INCONSISTENT WITH NEARBY WELLS
94A	DATA INCONSISTENT WITH NEARBY WELLS	W3-3	DATA INCONSISTENT WITH NEARBY WELLS
14C15A	DATA INCONSISTENT WITH NEARBY WELLS	W3-19	DATA INCONSISTENT WITH NEARBY WELLS
EXW-1	DATA INCONSISTENT WITH NEARBY WELLS	W3-24	DATA INCONSISTENT WITH NEARBY WELLS
EXW-4	DATA INCONSISTENT WITH NEARBY WELLS	W7-6	DATA INCONSISTENT WITH NEARBY WELLS
EXW-5	DATA INCONSISTENT WITH NEARBY WELLS	W7-11	DATA INCONSISTENT WITH NEARBY WELLS
NASA-1A	DATA INCONSISTENT WITH NEARBY WELLS	W7-14	DATA INCONSISTENT WITH NEARBY WELLS
NASA-3A	DATA INCONSISTENT WITH NEARBY WELLS	W14-4	DATA INCONSISTENT WITH NEARBY WELLS
W1-5	DATA INCONSISTENT WITH NEARBY WELLS	W29-1	DATA INCONSISTENT WITH NEARBY WELLS
W1-6	DATA INCONSISTENT WITH NEARBY WELLS	WFH-06	DATA INCONSISTENT WITH NEARBY WELLS
W1-8	DATA INCONSISTENT WITH NEARBY WELLS	WGC2-7	DATA INCONSISTENT WITH NEARBY WELLS
W1-12	DATA INCONSISTENT WITH NEARBY WELLS	WNX-4	DATA INCONSISTENT WITH NEARBY WELLS
W1-15	DATA INCONSISTENT WITH NEARBY WELLS	WT55-1	DATA INCONSISTENT WITH NEARBY WELLS

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
△	22MAR02	ISSUED FOR REPORT	CPB	CL	EHH

"A/A1" AQUIFER
GROUNDWATER ELEVATION CONTOURS
15 NOVEMBER 2001
MOUNTAIN VIEW, CALIFORNIA

PREPARED FOR

INTEL CORPORATION AND RAYTHEON COMPANY

Locus TECHNOLOGIES

SCALE 500 0 500 1000 FEET

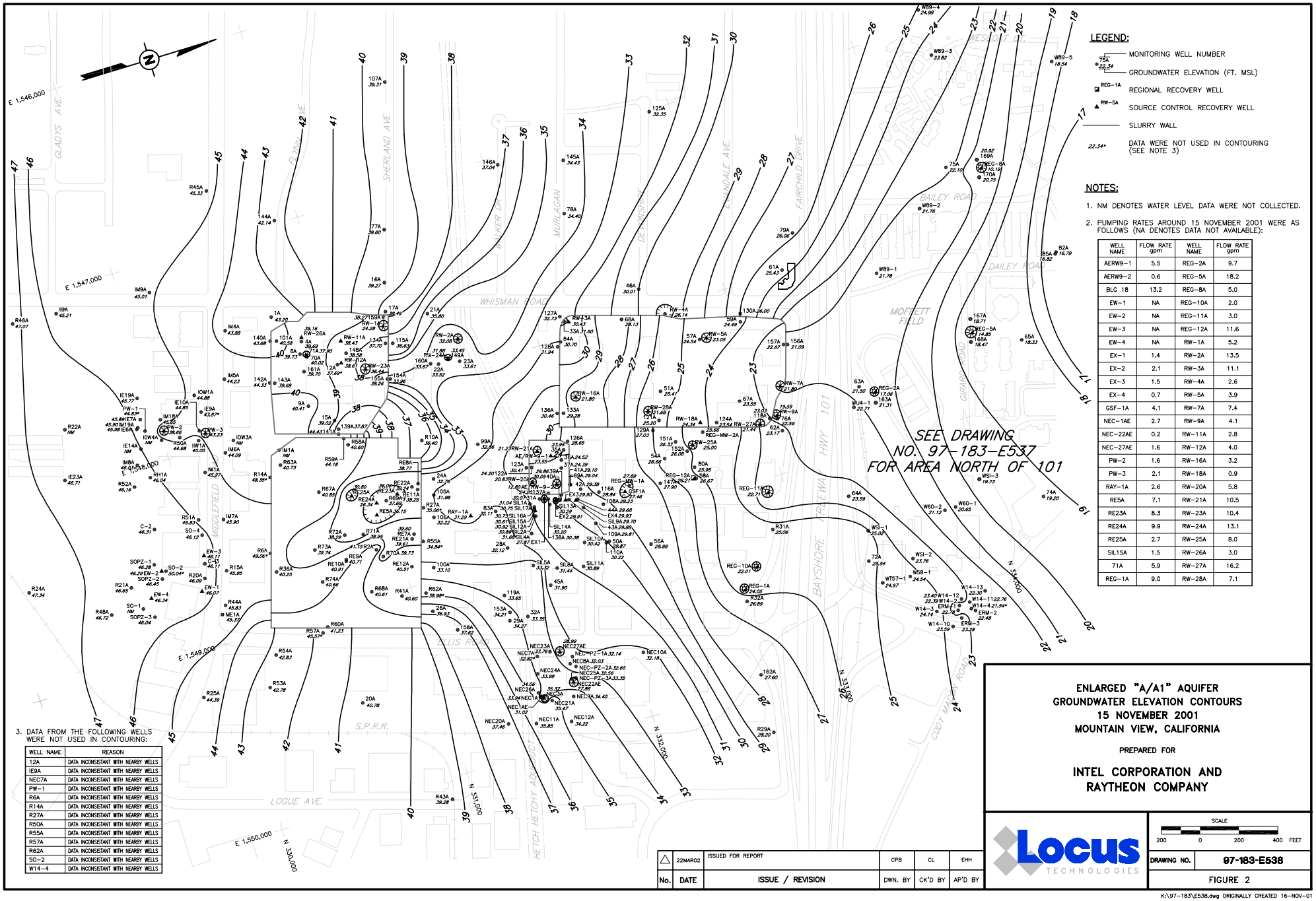
DRAWING NO. 97-183-E537

FIGURE 1

K:\97-183\E537.dwg ORIGINALLY CREATED 16-NOV-01

Approximate location of OPHA and Stevens Creek added to original figure.

40273



LEGEND:

- MONITORING WELL NUMBER (75A / 22.34)
- GROUNDWATER ELEVATION (FT. MSL)
- REG-1A — REGIONAL RECOVERY WELL
- RW-5A — SOURCE CONTROL RECOVERY WELL
- SLURRY WALL
- 22.34* — DATA WERE NOT USED IN CONTOURING (SEE NOTE 3)

NOTES:

1. NM DENOTES WATER LEVEL DATA WERE NOT COLLECTED.
2. PUMPING RATES AROUND 15 NOVEMBER 2001 WERE AS FOLLOWS (NA DENOTES DATA NOT AVAILABLE):

WELL NAME	FLOW RATE gpm	WELL NAME	FLOW RATE gpm
AERW9-1	5.5	REG-2A	9.7
AERW9-2	0.6	REG-5A	18.2
BLG 18	13.2	REG-8A	5.0
EW-1	NA	REG-10A	2.0
EW-2	NA	REG-11A	3.0
EW-3	NA	REG-12A	11.6
EW-4	NA	RW-1A	5.2
EX-1	1.4	RW-2A	13.5
EX-2	2.1	RW-3A	11.1
EX-3	1.5	RW-4A	2.6
EX-4	0.7	RW-5A	3.9
GSF-1A	4.1	RW-7A	7.4
NEC-1AE	2.7	RW-9A	4.1
NEC-22AE	0.2	RW-11A	2.8
NEC-27AE	1.6	RW-12A	4.0
PW-2	1.6	RW-16A	3.2
PW-3	2.1	RW-18A	0.9
RAY-1A	2.6	RW-20A	5.8
RE5A	7.1	RW-21A	10.5
RE23A	8.3	RW-23A	10.4
RE24A	9.9	RW-24A	13.1
RE25A	2.7	RW-25A	8.0
SIL15A	1.5	RW-26A	3.0
71A	5.9	RW-27A	16.2
REG-1A	9.0	RW-28A	7.1

3. DATA FROM THE FOLLOWING WELLS WERE NOT USED IN CONTOURING:

WELL NAME	REASON
12A	DATA INCONSISTANT WITH NEARBY WELLS
IE9A	DATA INCONSISTANT WITH NEARBY WELLS
NEC7A	DATA INCONSISTANT WITH NEARBY WELLS
PW-1	DATA INCONSISTANT WITH NEARBY WELLS
R6A	DATA INCONSISTANT WITH NEARBY WELLS
R14A	DATA INCONSISTANT WITH NEARBY WELLS
R27A	DATA INCONSISTANT WITH NEARBY WELLS
R50A	DATA INCONSISTANT WITH NEARBY WELLS
R55A	DATA INCONSISTANT WITH NEARBY WELLS
R57A	DATA INCONSISTANT WITH NEARBY WELLS
R62A	DATA INCONSISTANT WITH NEARBY WELLS
SO-2	DATA INCONSISTANT WITH NEARBY WELLS
W14-4	DATA INCONSISTANT WITH NEARBY WELLS

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
△	22MAR02	ISSUED FOR REPORT	CPB	CL	EHH

ENLARGED "A/A1" AQUIFER GROUNDWATER ELEVATION CONTOURS 15 NOVEMBER 2001 MOUNTAIN VIEW, CALIFORNIA

PREPARED FOR

INTEL CORPORATION AND RAYTHEON COMPANY

Locus TECHNOLOGIES

SCALE: 200 0 200 400 FEET

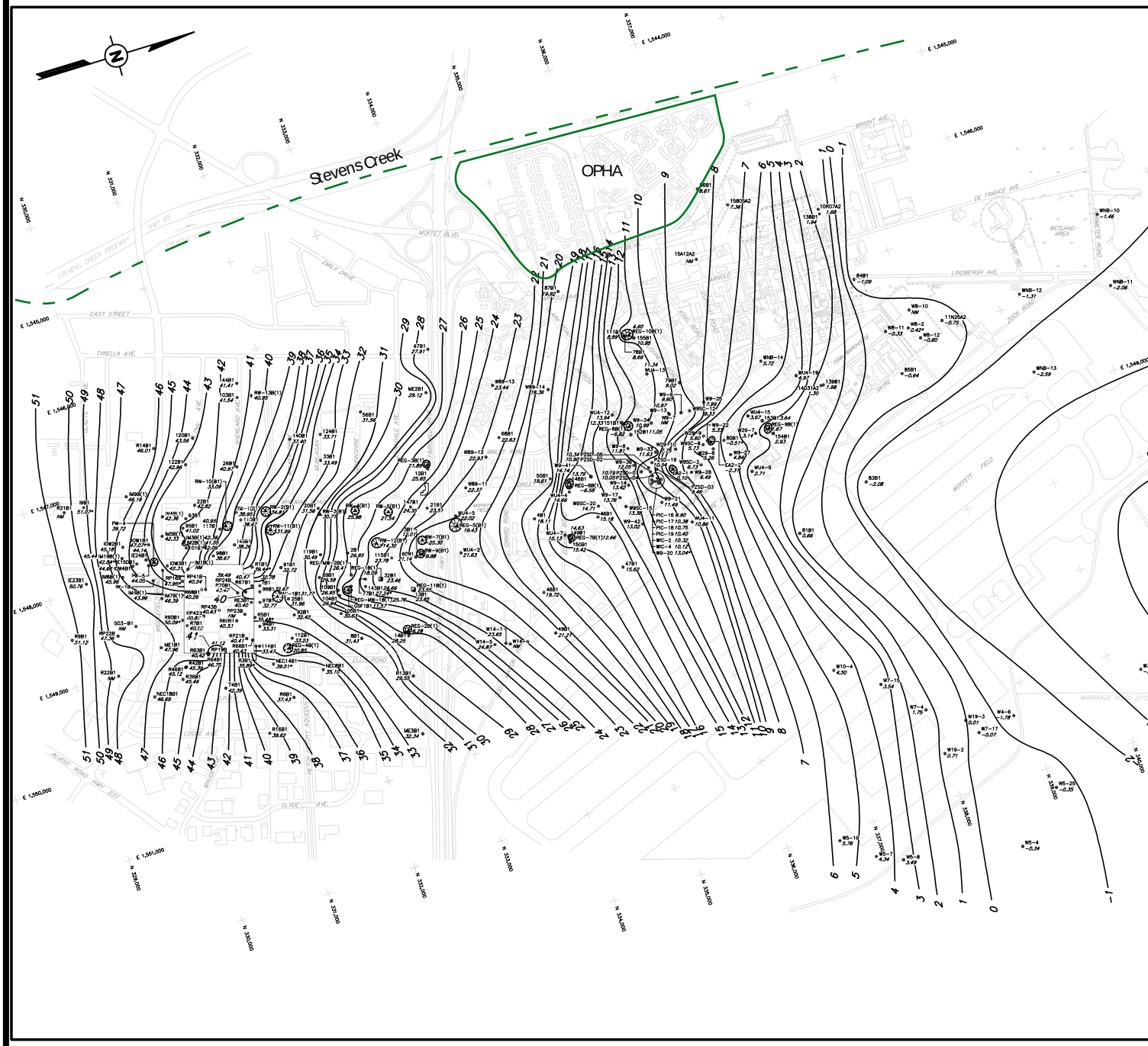
DRAWING NO. 97-183-E538

FIGURE 2

K:\97-183\E538.dwg ORIGINALLY CREATED 16-NOV-01

Approximate location of OPHA and Stevens Creek added to original figure.

40273



LEGEND:

- MONITORING WELL NUMBER (77B1)
- GROUNDWATER ELEVATION (FT. MSL) (9.21)
- 47.63* DATA WERE NOT USED IN CONTOURING (SEE NOTE 3).
- REG-1B1 REGIONAL RECOVERY WELL
- RW-4(B1) SOURCE CONTROL RECOVERY WELL
- RW-13B1 OTHER RECOVERY WELLS
- SLURRY WALL
- 52 GROUNDWATER ELEVATION CONTOUR (FT. MSL)

NOTES:

1. NM DENOTES THAT WATER LEVEL WAS NOT MEASURED.
2. PUMPING RATES AROUND 15 NOVEMBER 2001 WERE AS FOLLOWS (NA DENOTES NOT AVAILABLE):

WELL NAME	FLOW RATE gpm	WELL NAME	FLOW RATE gpm	WELL NAME	FLOW RATE gpm
EA2-1	NA	REG-5B1	16.6	RW-4B1	6.7
EA2-2	NA	REG-6B1	7.7	RW-5B1	10.2
GSF1B1	10.1	REG-7B1	19.8	RW-7B1	3.7
PW-4	1.8	REG-8B1	13.3	RW-9B1	6.1
RAY-1B1	0.8	REG-9B1	3.0	RW-10B1	8.3
REG-1B1	18.1	REG-10B1	10.2	RW-11B1	9.1
REG-2B1	6.1	REG-11B1	5.3	RW-12B1	4.5
REG-3B1	3.8	RW-2B1	5.8	RW-13B1	OFF
REG-4B1	6.5	RW-3B1	7.5		

3. DATA FROM THE FOLLOWING WELLS WERE NOT USED IN CONTOURING:

WELL NAME	REASON
77B1	DATA INCONSISTENT WITH NEARBY WELLS
80B1	DATA INCONSISTENT WITH NEARBY WELLS
IE15D31	DATA INCONSISTENT WITH NEARBY WELLS
IGB1	DATA INCONSISTENT WITH NEARBY WELLS
IOW1B1	DATA INCONSISTENT WITH NEARBY WELLS
NEC14B1	DATA INCONSISTENT WITH NEARBY WELLS
R1B1	DATA INCONSISTENT WITH NEARBY WELLS
R3B1	DATA INCONSISTENT WITH NEARBY WELLS
R5B1	DATA INCONSISTENT WITH NEARBY WELLS
R60B1	DATA INCONSISTENT WITH NEARBY WELLS
RP16B	DATA INCONSISTENT WITH NEARBY WELLS
W8-2	DATA INCONSISTENT WITH NEARBY WELLS
W9-20	DATA INCONSISTENT WITH NEARBY WELLS

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
△	22MAR02	ISSUED FOR REPORT	CPB	CL	EHH

"B1/A2" AQUIFER
GROUNDWATER ELEVATION CONTOURS
15 NOVEMBER 2001
MOUNTAIN VIEW, CALIFORNIA

PREPARED FOR

INTEL CORPORATION AND RAYTHEON COMPANY

Locus TECHNOLOGIES

SCALE: 500 0 500 1000 FEET

DRAWING NO. 97-183-E539

FIGURE 3

K:\97-183\E539.dwg ORIGINALLY CREATED 16-NOV-01

Approximate location of OPHA and Stevens Creek added to original figure.

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