

Date: 03-FEB-1998 [10m11113] User: rnoelb@ccr110

F:\lunatic\sig\p115\_00024\_97.mpa Logme: r:\ut\p\ams\860\am\d01.dgn

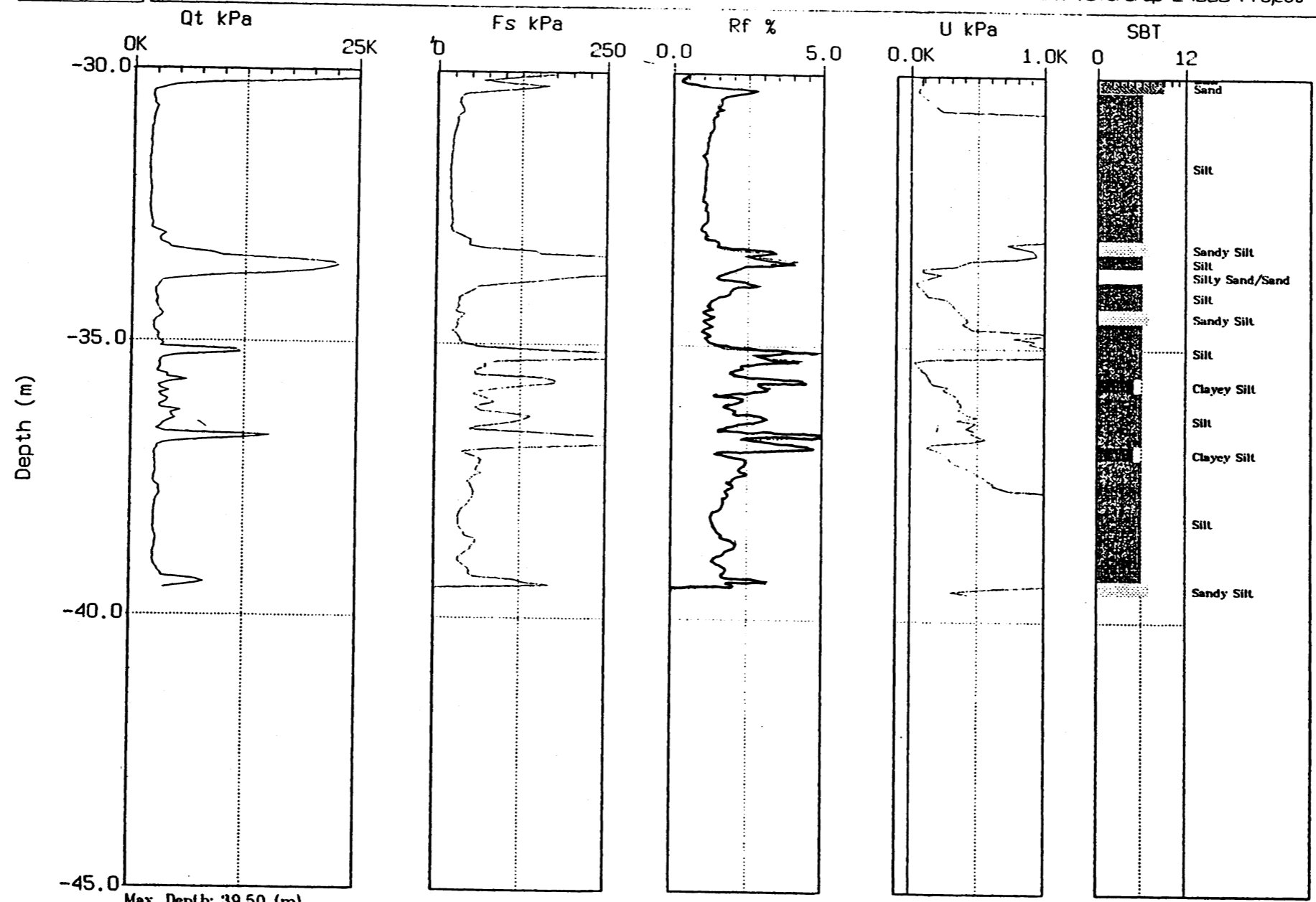


Dames & Moore

Site: SV CPT CB-25A  
Location: ANDY Ave & FUD

Cone: 20 TON A 081  
Date: 010396 11:54

XYZ:  
UDOT/Sverdrup 2400S Project



Max. Depth: 39.50 (m)  
Depth Inc.: 0.05 (m)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

WASATCH CONSTRUCTORS  
JUL 10 1998  
RELEASED FOR CONSTRUCTION

PRELIMINARY  
NOT FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		NO.		DATE	
UTAH DEPARTMENT OF TRANSPORTATION		SVDRUP/DE LEUW		TRAC NO. 2320900	
I-15 CORRIDOR RECONSTRUCTION		DESIGN CLN. 9/97		CHECK	
I-15 SB OVER ANDY AVE		DRAWN TRK. 9/97		CHECK	
SALT LAKE COUNTY		DATE PROJECT DESIGN ENGINEER		DATE PROJECT MANAGER	
SOIL DATA		DATE PROJECT DESIGN ENGINEER		DATE PROJECT MANAGER	
PROJECT #SP-15-7(135)296		APPROVED		PROJECT NUMBER	
SHT. 36 of 16		REF. 24 STR C0405A002		BR# 147	





F:\anomal\15\_cadd\24\_17\edge\construct\15\150505.dwg  
 Date: 03-FEB-1998 Time: 11:33 User: hmbarr@llc

Boring: 24-BB-21 Sheet 2 of 2	SAMPLE DESCRIPTION (ASTM D-2488)	Depth (ft-m)	Graphic Log	Elev. (m)	SAMPLE				Value (Blows/0.3m)	Test Results *		UDOT/SVERDRUP I-15 Geotechnical Investigation <b>DAMES &amp; MOORE</b> Geosciences/Geotechnical Salt Lake City, UT		
					Type	No.	Rec (mm)	Blows/0.15m		USCS (AASHTO)	Field Tests		Lab Tests	
											Vane Shear Su (kPa)			Other
	CLAY (CL), dark grey, wet, very stiff, micaceous, sandy clay.	20			DM	13	457	8-21-31	CI			<b>FIELD TEST BORING LOG</b> Geotechnical Exploration Program Boring: <b>24-BB-21</b> Sheet 2 of 2  Logged by: Karen Stilwell Date Start: 4/1/96 Date Finish: 4/1/96 Weather: N/A Station: 28+309.86 Offset: -45.97 Coordinates (m): N 51,059.2 E 49,972.9 Elevation (m): 1292.3 Groundwater Depth (m): Depth to Bedrock (m): N/A Total Depth Drilled (m): 29.4 Drill Contractor: CBC Driller: Jay, Dave, Heath Rig Type: Mobil BB80 Drilling Method: Mud Rotary Hole Diameter: 5.2"		
	CLAY (CL), olive grey, moist, very stiff, silty clay.	70		1270	DM	14	457	12-17-24	CI					
	CLAY (CL), olive grey, moist, very stiff, clay with sand lenses.	75			SS	15	457	7-10-18	CI					
	SANDY CLAY (CL), dark grey, wet, hard, fine sand.	80			DM	16	457	14-31-38	CI					
	no sample. SAND (SP), medium dense, flowing sand.	85			DM	17		15-19-31	SP					
	SAND WITH CLAY (SP-SC), dark grey, moist, medium dense, fine poorly graded sand.	90		1265	SS	18	457	11-23-25	(A-3)					
	SAND WITH CLAY (SP-SC), dark grey, moist, medium dense, fine poorly graded sand.	95			SS	19	457	8-18-46	(A-3)					
		100												
		105		1260										
		110												
		115		35										
		120												
		125		1255										
		130		40										

**LEGEND/NOTES**

Elevations based upon North American Vertical Datum of 1988 (NAVD '88)

Coordinates are NAD '83

▽ = Groundwater depth

Blows = number of blows required to drive split spoon sampler 150mm or distance shown

USCS = Unified Soil Classification System

>> = N-value data greater than 100 blows/0.3m

\* = See Key to Soil Logs for list of abbreviations and descriptions of tests

**SAMPLE TYPE**

☒ SS = Standard Penetration Test, 38mm ID and 50.8mm OD split spoon sampler

DM = Dames & Moore type U sampler

US = Undisturbed Shelby Tube, 76.2mm OD, pushed

P = Dames & Moore Piston Sampler

WASATCH CONSTRUCTORS  
 JUL 10 1998  
 RELEASED FOR CONSTRUCTION

**PRELIMINARY  
 NOT FOR CONSTRUCTION**

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION

UTAH DEPARTMENT OF TRANSPORTATION

SVERDRUP/DE LEUW

DESIGN CLN 9/97 CHECK

TRAC NO. 2320900

DESIGN ENGINEER DATE PROJECT DESIGN ENGINEER DATE PROJECT MANAGER DATE

1-15 CORRIDOR RECONSTRUCTION

I-15 SB OVER ANDY AVE

SOIL DATA

PROJECT #SP-15-7(135)296

SALT LAKE COUNTY

DWG. NO. C-860S

SHT. 3B of 16

REF. 24 STR C860SAB02

BR# 147

BR# 147

Date: 09-FEB-1998 Time: 11:31:33 User: noma1brr0110

E:\home\10\esprml15\090202\1\_37\scsl\lgms\structure\scsl60\scsl60.dgn

Boring: 24-BB-24 Sheet 1 of 2	SAMPLE DESCRIPTION (ASTM D-2488)	Depth (ft-m)	Graphic Log	Elev. (m)	SAMPLE				■ = "N1(60)" Value (Blows/0.3m)	Test Results *			
					Type	No.	Rec (mm)	Blows/0.15m		USCS (AASHTO)	Field Tests		Lab Tests
											Vane Shear Su (kPa)	Other	
	CLAY (CL), brown, slightly moist, very stiff, silty clay with some cobbles (FILL).	0-5		-1290	DM	1		9-15-25	FILL			WW=20.3, DW=16.3, WC=24.43	
	CLAY (CL), brown-yellowish brown, moist, stiff, silty clay (FILL).	5-10			DM	2	457	3-6-7	FILL			WW=19.3, DW=15.2, WC=27.60, Su,uu=10.1	
	CLAY (CL), mottled light brown, moist, very stiff.	10-15			DM	3	457	9-13-15	(A-6*)			WW=20.7, DW=17.2, WC=20.49, PI=12, PL=16, LL=28	
	CLAY (CL), mottled grey-brown, moist, very stiff.	15-20		-1285	DM	4	457	13-19-18	CL			WW=19.1, DW=14.9, WC=27.60, Su,uu=18.0	
	CLAY (CL), olive-greenish grey, moist, stiff, with minor silt.	20-25			DM	5	457	5-8-8	CL			WW=18.9, DW=14.3, WC=32.30, Gs=2.81, Pp=306, Cc=.160, Cr=.027	
	CLAY (CH), grey, moist, stiff, clay with silt and sand.	25-30			DM	6	457	8-7-6	(A-7*)			WW=16.8, DW=11.1, WC=51.11, PI=30, PL=28, LL=58	
	CLAY (CL), olive grey, moist, stiff.	30-35			DM	7	457	4-4-9	CL			WW=18.4, DW=13.6, WC=35.33, R=1700	
	CLAY (CL), olive grey, moist, stiff, clay with reddish brown moist and stiff fine sand layers.	35-40		-1280	DM	8	457	10-12-14	CL			WW=18.7, DW=14.4, WC=29.80, Su,uu=41.4	
	CLAY (CL), grey, moist, very stiff, with reddish brown fine sand.	40-45			DM	9	457	21-10-12	CL			WW=18.5, DW=13.6, WC=36.55	
	CLAY (CL), dark grey, moist, very stiff, silty clay with some fine sand.	45-50			DM	10	457	6-6-7	(A-6*)			WW=18.4, DW=13.2, WC=39.03, PI=16, PL=21, LL=37	
	CLAY (CL), grey, slightly moist, stiff, clay with some fine sand and silt.	50-55		-1275	DM	11	457	3-4-6	CL			WW=16.6, DW=12.5, WC=32.80, Su,uu=40.8	
	CLAY (CL), dark grey, moist, medium stiff.	55-60			DM	12	457	6-10-9	CL			WW=18.4, DW=13.8, WC=34.04, pH=8.1, SO4=543, S<5	
	CLAY (CL), dark grey, moist, stiff.	60-65		20									

**UDOT/SVERDRUP**  
**I-15 Geotechnical Investigation**  
**DAMES & MOORE**  
 Geosciences/Geotechnical Salt Lake City, UT

**FIELD TEST BORING LOG**  
 Geotechnical Exploration Program  
 Boring: **24-BB-24**  
 Sheet 1 of 2

Logged by: Karen Stilwell  
 Date Start: 4/4/96  
 Date Finish: 4/4/96  
 Weather: N/A  
 Station: 28 + 359.65  
 Offset: -40.59  
 Coordinates (m): N 51,109.3 E 49,979.6  
 Elevation (m): 1292.3  
 Groundwater Depth (m):  
 Depth to Bedrock (m): N/A  
 Total Depth Drilled (m): 29.4  
 Drill Contractor: CBC  
 Driller: Jay, Dave, Milo  
 Rig Type: Mobil BB80  
 Drilling Method: Mud Rotary  
 Hole Diameter: 5.2"

**LEGEND/NOTES**  
 Elevations based upon North American Vertical Datum of 1988 (NAVD '88)  
 Coordinates are NAD '83  
 ▽ = Groundwater depth  
 Blows = number of blows required to drive split spoon sampler 150mm or distance shown  
 USCS = Unified Soil Classification System  
 >> = N-value data greater than 100 blows/0.3m  
 • = See Key to Soil Logs for list of abbreviations and descriptions of tests

**SAMPLE TYPE**  
 SS = Standard Penetration Test, 38mm ID and 50.8mm OD split spoon sampler  
 DM = Dames & Moore type U sampler  
 US = Undisturbed Shelby Tube, 76.2mm OD, pushed  
 P = Dames & Moore Piston Sampler

**PRELIMINARY  
NOT FOR CONSTRUCTION**

WASATCH CONSTRUCTORS  
 JUL 10 1998  
 RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
UTAH DEPARTMENT OF TRANSPORTATION		SVERDRUP/DE LEUW	
TRAC NO.	2320900	DESIGN CLM	CHECK
DESIGN	DATE	PROJECT DESIGN ENGINEER	DATE
DRAWN	TRK	PROJECT MANAGER	DATE
QUANT.	CHECK	APPROVED	DATE
I-15 CORRIDOR RECONSTRUCTION		SALT LAKE COUNTY	
I-15 SB OVER ANDY AVE		SOIL DATA	
PROJECT #SP-15-7(135)296		PROJECT NUMBER	
DWC. NO. C-860S		SHT. 3C of 16	
REF. 24 STR C605AB02		DWC. NO. C-860S	

BRW 147

BRW 147

File name: c:\signal15\_copdgg4\_37\edsl\geotechn\boring\asm080\asm0702.dgn  
 Date: 03-FEB-1998 Time: 13:33 User: tom15070119

Boring: 24-BB-26 Sheet 2 of 2	SAMPLE DESCRIPTION (ASTM D-2488)	Depth (ft-m)	Graphic Log	Elev. (m)	SAMPLE				Value (Blows/0.3m)	Test Results *			UDOT/SVERDRUP I-15 Geotechnical Investigation DAMES & MOORE Geosciences/Geotechnical Salt Lake City, UT	
					Type	No.	Rec (mm)	Blows/0.15m		USCS (AASHTO)	Field Tests			Lab Tests
											Vane Shear Su (kPa)	Other		
	CLAY (CL), olive grey, slightly moist, very stiff, silty clay.	20		1270	DM	13	457	8-11-14	CL			WW = 17.6, DW = 12.8, WC = 37.90, Su,uu = 64.0	<b>FIELD TEST BORING LOG</b> Geotechnical Exploration Program Boring: 24-BB-26 Sheet 2 of 2  Logged by: Karen Stilwell Date Start: 4/3/96 Date Finish: 4/3/96 Weather: N/A Station: 28 + 359.98 Offset: 58.4 Coordinates (m): N 51,103.9 E 50,078.5 Elevation (m): 1291.0 Groundwater Depth (m): Depth to Bedrock (m): N/A Total Depth Drilled (m): 26.4 Drill Contractor: CBC Driller: Jay, Dave, Milo Rig Type: Mobil BB80 Drilling Method: Mud Rotary Hole Diameter: 5.2"	
	SAND (SP), dark brown, wet, micaceous, medium dense, fine to medium sand.	70			DM	14	457	8-29-40	CL			WW = 19.1, DW = 14.7, WC = 29.50, phi = 33, C = 9.57		
	CLAYEY SAND (SC), grey, wet, dense, fine sand.	75			SS	15	457		(A-2*)			WW = NA, DW = NA, WC = 25.53, NO.4 = 99.0, NO.200 = 15.7, .05mm = 12.9, .01mm = 7.8		
	CLAYEY SAND (SC), olive grey, wet, very dense, fine to medium sand.	80			SS	16	457	50-50/5"	(A-2*)			WW = NA, DW = NA, WC = 31.10, NO.4 = 99.0, NO.200 = 15.7, .05mm = 12.9, .01mm = 7.8		
	flowing sands. CLAYEY SAND (SC), dark grey, wet, dense, fine sand.	85		1265	SS	17	457		(A-2*)			WW = NA, DW = NA, WC = 26.55, NO.4 = 99.0, NO.200 = 15.7, .05mm = 12.9, .01mm = 7.8, pH = 7.5, SO4 = 728, S < 5		
		90												
		95												
		100		1260										
		105												
		110												
		115		1255										
		120												
		125												
		130		40										

**LEGEND/NOTES**

Elevations based upon North American Vertical Datum of 1988 (NAVD '88)  
 Coordinates are NAD '83  
 ▽ = Groundwater depth  
 Blows = number of blows required to drive split spoon sampler 150mm or distance shown  
 USCS = Unified Soil Classification System  
 >> = N-value data greater than 100 blows/0.3m  
 \* = See Key to Soil Logs for list of abbreviations and descriptions of tests

**SAMPLE TYPE**

- ☒ SS = Standard Penetration Test, 38mm ID and 50.8mm OD split spoon sampler
- ☒ DM = Dames & Moore type U sampler
- ☒ US = Undisturbed Shelby Tube, 76.2mm OD, pushed
- ☒ P = Dames & Moore Piston Sampler

APPROVED FOR CONSTRUCTION  
 UTAH DEPARTMENT OF TRANSPORTATION  
 SVERDRUP/DE LEUW  
 TRAC NO. 2320900  
 PROJECT: #SP-15-7(135)296  
 COUNTY: SALT LAKE  
 DWC. NO. C-860S  
 SHT. 30 of 16  
 REF. 24 STR C860SAB02

**PRELIMINARY  
NOT FOR CONSTRUCTION**

WASATCH CONSTRUCTORS  
 JUL 10 1998  
 RELEASED FOR CONSTRUCTION

\\encore101\cognit\5-cob\502\1-97\soil\recon\15-sb-over-andy-ave\860s-dst12.dgn Date: 09-FEB-1998 11:01:13 User: mibarrallo

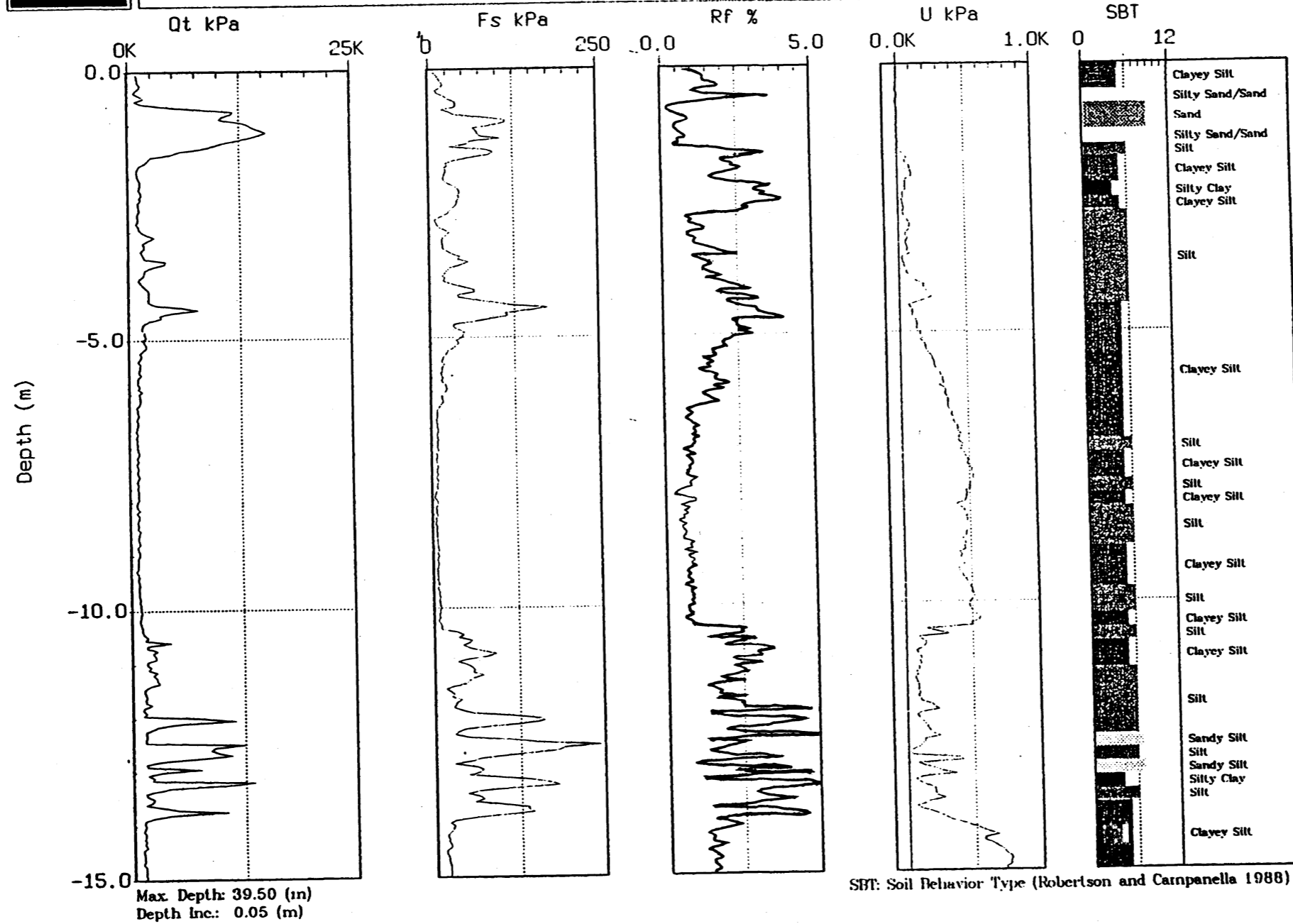


Dames & Moore

Site: SV CPT CII-25A  
Location: ANDY Ave & 600

Cone: 20 TON A 081  
Date: 040396 11:54

XYZ:  
UOOT/Sverdrup 2400S Project



WASATCH CONSTRUCTORS  
JUL 10 1998  
RELEASED FOR CONSTRUCTION

PRELIMINARY  
NOT FOR CONSTRUCTION

BR# 147

UTAH DEPARTMENT OF TRANSPORTATION

SVERDRUP/DE LEUW

TRAC NO. 2320900

DESIGN CLN 9/97 CHECK

DRAWN TRK 9/97 CHECK

QUANT. CHECK

APPROVAL RECORD

DATE PROJECT DESIGN ENGINEER

DATE PROJECT MANAGER

PROJECT #SP-15-7(135)296

PROJECT NUMBER

1-15 CORRIDOR RECONSTRUCTION

1-15 SB OVER ANDY AVE

SOIL DATA

SALT LAKE COUNTY

DRG. NO. C-860S

SHT. 3E OF 16

REF. 24 STR C860SAB02

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION

File name: I:\p15\_codes\24\_97\edsl\onestruct\cases\60560402.dgn Date: 09-FEB-1998 Time: 11:33 User: nomaibarr@10

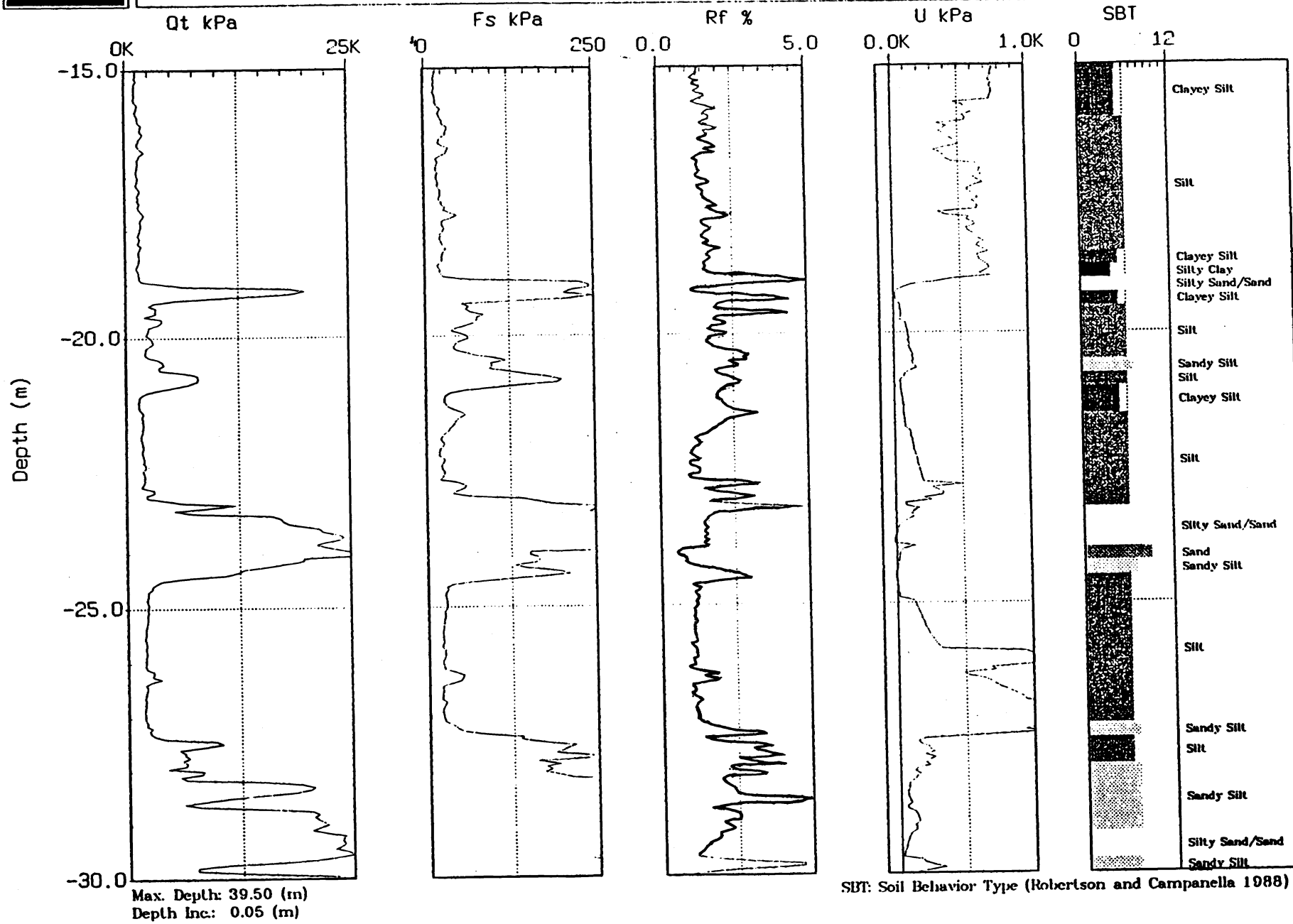


Dames & Moore

Site: SV CPT CB-25A  
Location: ANDY Ave & IUD

Core: 20 TON A 081  
Date: 040396 1154

XYZ:  
UDOT/Sverdrup 2400S Project



WASATCH CONSTRUCTORS I  
JUL 10 1998  
RELEASED FOR CONSTRUCTION

PRELIMINARY  
NOT FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE		
UTAH DEPARTMENT OF TRANSPORTATION			
SVRORUP/DE LEUW		TRAC NO. 2320900	
DESIGN CLN	9/91	CHECK	
DRAWN	TRK	9/91	CHECK
QUANT.		CHECK	
APPROVAL	DATE	PROJECT DESIGN ENGINEER	PROJECT NUMBER
REVISION	DATE	PROJECT DESIGN ENGINEER	PROJECT NUMBER
1-15 CORRIDOR RECONSTRUCTION			
1-15 SB OVER ANDY AVE			
SOIL DATA			
PROJECT #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. C-860S			
SHT. 3E OF 16			
REF. 24 STR C860SAB02			



