

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: MAP#2 SHEET 1 of 1 DATE STARTED: 9/16/05 DATE COMPLETED: 9/16/05							
PROJECT NAME: SWANTON SITE NAME: RT.78 STATION: 14+42 OFFSET: -38.00		PROJECT NUMBER: ST 036-1(11) SITE NUMBER: SIGNAL POLES GROUND ELEVATION: 155.0 ft GROUNDWATER DEPTH: 4.44 ft 9/16/05							
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: RUSSELL		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: HOLLOW STEM AUGER SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
2.5		Visual Class., Topsoil, brn, Moist, Rec. = 1.4 ft	22	10.3					
		A-1-b, Sa with some fine broken rock, brn, Moist, Rec. = 1.0 ft		3.8	16.6	68.5	14.9		
5.0		A-3, Sa, brn, Moist, Rec. = 1.1 ft	10	5.9	10.3	79.5	10.2		
7.5		A-2-4, SiSa, brn-gry, Moist, Rec. = 1.7 ft	11	22.1	0.2	75.8	24.0		
10.0		A-2-4, Sa, gry, Wet, Rec. = 1.6 ft	6	21.5	0.6	83.6	15.8		
12.5		A-3, Sa, gry, MW, Rec. = 1.5 ft	4	22.1	0.2	95.8	4.0		
15.0		A-3, Sa, gry, MW, Rec. = 0.9 ft	3	21.2	0.8	88.9	10.3		
17.5		Appears to be wet Sand, 12.0 ft - 18.0 ft. (See Driller's Notes)							
20.0		Hole stopped @ 18.0 ft							
DRILLER'S NOTES: 1. The driller's advanced rod with bit to 18.0 ft, because flowing sand was entering the auger. 2. No bedrock to depth. 3. Ground Elevation was interpreted from the cross sections of the project plans.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: MAP#1 SHEET 1 of 1 DATE STARTED: 9/27/05 DATE COMPLETED: 9/27/05							
PROJECT NAME: SWANTON SITE NAME: RT.78 STATION: 14+45 OFFSET: 54.20		PROJECT NUMBER: ST 036-1(11) SITE NUMBER: SIGNAL POLES GROUND ELEVATION: 150.5 ft GROUNDWATER DEPTH: 4.2 ft 9/27/05							
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: RUSSELL		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: HOLLOW STEM AUGER SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
5.0		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft	43	15.4	5.2	78.5	16.3		
		Visual Class., Fill material, crushed limestone, gry, Moist, Rec. = 1.0 ft	11	14.3			16.9		
		Visual Class., Fill material, crushed limestone, gry, Moist, Rec. = 1.4 ft							
5.0		A-2-4, SiSa, gry-brn, Wet, Rec. = 1.3 ft	13	24.6	0.3	64.7	35.0		
		A-3, Sa, gry, Wet, Rec. = 1.2 ft	4	23.7	0.1	90.4	9.5		
10.0		A-2-4, Sa, gry, Wet, Rec. = 1.2 ft	6	22.9	0.1	80.2	19.7		
		A-3, Sa, gry, Wet, Rec. = 1.2 ft	3	23.8	0.7	95.5	3.8		
		A-3, Sa, gry, Wet, Rec. = 1.0 ft	3	25.8	1.0	89.4	9.6		
15.0		A-2-4, Sa, gry, Wet, Rec. = 1.1 ft	3	27.4	0.0	85.1	14.9		
		A-2-4, Sa, gry, Wet, Rec. = 1.1 ft	11	25.2	0.0	85.4	14.6		
		A-2-4, Sa, gry, Wet, Rec. = 1.1 ft	6	26.6	0.0	88.5	11.5		
20.0		A-4, SiSa, gry, Wet, Rec. = 1.4 ft	2	26.5	0.0	50.1	49.9		
		A-4, SaSi, gry, Wet, Rec. = 0.9 ft	5	27.4	0.0	39.0	61.0		
25.0		A-4, SaSi, gry, Wet, Rec. = 0.9 ft	1	25.0	0.0	29.9	70.1		
		A-4, Si, gry, Wet, Rec. = 1.1 ft	28.2	0.0	19.2	80.8			
		Visual Class., A-4, Si, gry, Wet, Rec. = 2.0 ft	1	25.1					
30.0		A-4, Si, gry, Wet, Rec. = 2.0 ft	4	25.7	0.0	13.8	86.2		
		Visual Class., A-4, Si, gry, Wet, Rec. = 2.0 ft	WH	29.1					
		A-4, Si, gry, Wet, Rec. = 2.0 ft	WH	27.1	0.0	6.2	93.8	25	6
35.0		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	26.9					
40.0		A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	26.5	0.0	2.7	97.3	27	7
45.0		Hole stopped @ 42.0 ft							
DRILLER'S NOTES: 1. No bedrock to depth. 2. Ground Elevation was interpreted from the cross sections of the project plans.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: MAP#4 SHEET 1 of 1 DATE STARTED: 9/28/05 DATE COMPLETED: 9/28/05							
PROJECT NAME: SWANTON SITE NAME: RT.78 STATION: 15+34 OFFSET: 28.00		PROJECT NUMBER: ST 036-1(11) SITE NUMBER: SIGNAL POLES GROUND ELEVATION: 156.0 ft GROUNDWATER DEPTH: 3.85 ft 9/28/05							
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: RUSSELL		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: HOLLOW STEM AUGER SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
5.0		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft	2	6.6	44.4	44.7	10.9		
		Cleaned out casing, 4.0 ft - 5.0 ft							
5.0		Visual Class., Various colored Broken Rock, gry, Moist, Rec. = 0.2 ft	6						
10.0		A-4, SaSi, gry, Wet, Rec. = 1.2 ft	8	28.6	0.0	33.5	66.5		
15.0		A-2-4, SiSa, gry, Wet, Rec. = 1.1 ft	4	27.1	0.0	74.0	26.0		
20.0		A-4, SiSa, gry, Wet, Rec. = 1.3 ft	4	27.4	0.0	51.6	48.4		
25.0		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	2	25.9					
30.0		A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	28.7	0.0	10.0	90.0	27	8
35.0		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	26.2					
40.0		A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	26.5	0.0	4.9	95.1	25	4
45.0		Hole stopped @ 42.0 ft							
DRILLER'S NOTES: 1. No bedrock to depth. 2. Ground Elevation was interpreted from the cross sections of the project plans.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: MAP#3 SHEET 1 of 1 DATE STARTED: 9/28/05 DATE COMPLETED: 9/28/05							
PROJECT NAME: SWANTON SITE NAME: RT.78 STATION: 15+40 OFFSET: -28.20		PROJECT NUMBER: ST 036-1(11) SITE NUMBER: SIGNAL POLES GROUND ELEVATION: 150.5 ft GROUNDWATER DEPTH: 1.8 ft 9/28/05							
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: RUSSELL		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: HOLLOW STEM AUGER SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
5.0		No Recovery, 0.0 ft - 2.0 ft	3						
5.0		Visual Class., A-2-4, Sa with Broken rock pieces, gry, Moist, Rec. = 0.2 ft	9						
10.0		A-4, SaSi, gry, Wet, Rec. = 1.7 ft	19	25.6	0.0	21.7	78.3		
15.0		A-4, SiSa, gry, Wet, Rec. = 1.2 ft	10	23.1	0.0	52.8	47.2		
20.0		A-4, SaSi, gry, Wet, Rec. = 1.5 ft	8	26.0	0.2	44.7	55.1		
25.0		A-4, Si, gry, Wet, Rec. = 2.0 ft	5	24.5	0.0	7.4	92.6		
30.0		A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	1	26.1	0.0	3.9	96.1	27	7
35.0		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	28.4					
40.0		A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	27.2	0.0	2.1	97.9	28	7
45.0		Hole stopped @ 42.0 ft							
DRILLER'S NOTES: 1. No bedrock to depth. 2. Ground Elevation was interpreted from the cross sections of the project plans.									

SUBSURFACE INFORMATION SHEET

PROJECT NAME:	SWANTON
PROJECT NUMBER:	STPG ST 036-1(11)
FILE NAME:	P:\TRAFFIC DESIGN\00b150\map\dgn
PROJECT LEADER:	B. NYQUIST
DESIGNED BY:	TRAFFIC DESIGN
	tb150bs1
PLOT DATE:	19-APR-2006
DRAWN BY:	MAT. & RESEARCH
CHECKED BY:	TRAFFIC DESIGN
SHEET	24 OF 45