



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
 VTSPG: N 883188.31 ft E 1481932.27 ft

PROJECT NUMBER: ST 036-1(11)
 SITE NUMBER: SIGNAL POLES
 GROUND ELEVATION: 150.5 ft
 GROUNDWATER DEPTH: 4.2 ft 9/27/05
 PROJECT PIN NUMBER: 00B150

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 (%)
		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					
		Visual Class., Fill material, crushed limestone, gry, Moist, Rec. = 1.4 ft	13	24.6	0.3	64.7	35.0		
5		A-2-4, SiSa, gry-brn, Wet, Rec. = 1.3 ft							
		A-3, Sa, gry, Wet, Rec. = 1.2 ft	4	23.7	0.1	90.4	9.5		
		A-2-4, Sa, gry, Wet, Rec. = 1.2 ft	6	22.9	0.1	80.2	19.7		
10		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		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		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		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					
		A-4, Si, gry, Wet, Rec. = 2.0 ft	4	25.7	0.0	13.8	86.2		
30		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		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	26.9					
40		A-4, ClSi, gry, Wet, Rec. = 2.0 ft	WH	26.5	0.0	2.7	97.3	27	7
		Hole stopped @ 42.0 ft							
45		DRILLER'S NOTES: 1. No bedrock to depth. 2. Ground Elevation was interpreted from the cross sections of the project plans.							

LOG OF BORING SWANTON ST036-1(11).GPJ VT AOT.GDT 7/13/07



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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
 VTSPG: N 883251.44 ft E 1481911.01 ft

PROJECT NUMBER: ST 036-1(11)
 SITE NUMBER: SIGNAL POLES
 GROUND ELEVATION: 155.0 ft
 GROUNDWATER DEPTH: 4.44 ft 9/16/05
 PROJECT PIN NUMBER: 00B150

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 (%)
		Visual Class.: Topsoil, brn, Moist, Rec. = 1.4 ft	22	10.3			
		A-1-b, Sa with some fine broken rock, brn, Moist		3.8	16.6	68.5	14.9
2.5		A-3, Sa, brn, Moist, Rec. = 1.1 ft	10	5.9	10.3	79.5	10.2
5.0		A-2-4, SiSa, brn-gry, Moist, Rec. = 1.7 ft	11	22.1	0.2	75.8	24.0
7.5		A-2-4, Sa, gry, Wet, Rec. = 1.6 ft	6	21.5	0.6	83.6	15.8
10.0		A-3, Sa, gry, MTW, Rec. = 1.5 ft	4	22.1	0.2	95.8	4.0
10.0		A-3, Sa, gry, MTW, Rec. = 0.9 ft	3	21.2	0.8	88.9	10.3
12.5		Appears to be wet Sand, 12.0 ft - 18.0 ft, (See Driller's Notes)					
17.5							
		Hole stopped @ 18.0 ft					
20.0		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.					
22.5							

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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
 VTSPG: N 883300.94 ft E 1481987.04 ft

PROJECT NUMBER: ST 036-1(11)
 SITE NUMBER: SIGNAL POLES
 GROUND ELEVATION: 150.5 ft
 GROUNDWATER DEPTH: 1.8 ft 9/28/05
 PROJECT PIN NUMBER: 00B150

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 (%)
0		No Recovery, 0.0 ft - 2.0 ft	3						
5		Visual Class:, A-2-4, Sa with Broken rock pieces, gry, Moist, Rec. = 0.2 ft	9						
10		A-4, SaSi, gry, Wet, Rec. = 1.7 ft	19	25.6	0.0	21.7	78.3		
15		A-4, SiSa, gry, Wet, Rec. = 1.2 ft	10	23.1	0.0	52.8	47.2		
20		A-4, SaSi, gry, Wet, Rec. = 1.5 ft	8	26.0	0.2	44.7	55.1		
25		A-4, Si, gry, Wet, Rec. = 2.0 ft	5	24.5	0.0	7.4	92.6		
30		A-4, Cisi, gry, Wet, Rec. = 2.0 ft	1	26.1	0.0	3.9	96.1	27	7
35		Visual Class:, A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	28.4					
40		A-4, Cisi, gry, Wet, Rec. = 2.0 ft	WH	27.2	0.0	2.1	97.9	28	7
42.0		Hole stopped @ 42.0 ft							
45		DRILLER'S NOTES: 1. No bedrock to depth. 2. Ground Elevation was interpreted from the cross sections of the project plans.							

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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
 VTSPG: N 883216.91 ft E 1482024.79 ft

PROJECT NUMBER: ST 036-1(11)
 SITE NUMBER: SIGNAL POLES
 GROUND ELEVATION: 156.0 ft
 GROUNDWATER DEPTH: 3.85 ft 9/28/05
 PROJECT PIN NUMBER: 00B150

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 (%)
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft	2	6.6	44.4	44.7	10.9		
5		Cleaned out casing., 4.0 ft - 5.0 ft							
		Visual Class., Various colored Broken Rock, gry, Moist, Rec. = 0.2 ft	6						
10		A-4, SaSi, gry, Wet, Rec. = 1.2 ft	8	28.6	0.0	33.5	66.5		
15		A-2-4, SiSa, gry, Wet, Rec. = 1.1 ft	4	27.1	0.0	74.0	26.0		
20		A-4, SiSa, gry, Wet, Rec. = 1.3 ft	4	27.4	0.0	51.6	48.4		
25		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	2	25.9					
30		A-4, ClSi, gry, Wet, Rec. = 2.0 ft	WH	28.7	0.0	10.0	90.0	27	8
35		Visual Class., A-4, Cl Si, gry, Wet, Rec. = 2.0 ft	WH	26.2					
40		A-4, Si, gry, Wet, Rec. = 2.0 ft	WH	26.5	0.0	4.9	95.1	25	4
		Hole stopped @ 42.0 ft							
45		DRILLER'S NOTES: 1. No bedrock to depth. 2. Ground Elevation was interpreted from the cross sections of the project plans.							

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