



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

ROYALTON
BRS 0147(13)
VT-14 BR-28

Boring No.: B-301
Page No.: 1 of 1
Pin No.: 86E055
Checked By: CEE

Boring Crew: GARROW, WERNER, PORTER
Date Started: 8/24/10 Date Finished: 8/24/10
VTSPG NAD83: N 491733.36 ft E 1617282.29 ft
Station: 417+50.00 Offset: 8.00
Ground Elevation: 523.3 ft

Casing Type: WB
Sampler Type: SS
I.D.: 2.5 in 1.25 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID CE = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
08/24/10		None taken. (Road)

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt pavement, Rec. = 1.5 ft, 0.0 ft - 1.5 ft								
		A-4, SaSi, brn, Wet, Rec. = 0.5 ft				14-9-6-8 (15)	22.5	19.4	29.7	50.9
5		Field Note: No Recovery, Advanced with rollercone to 6 feet.				13-8-4-5 (12)				
		A-4, SaSi, brn, Wet, Rec. = 1.4 ft				2-1-1-1 (2)	29.6	5.7	38.7	55.6
		A-2-4, SiSa, brn, Wet, Rec. = 0.6 ft				WH-WH-3-4 (3)	22.4	15.8	51.3	32.9
10		A-4, SiSa, brn, Wet, Rec. = 1.0 ft				9-12-6-6 (18)	23.3	8.5	47.6	43.9
		A-4, SaSi, brn, Wet, Rec. = 0.8 ft				7-4-5-2 (9)	28.5	8.7	20.0	71.3
15		A-4, Si, brn, Wet, Rec. = 1.2 ft, A small amount of wood was within sample.				WH-WH-2-3 (2)	40.1	1.6	17.2	81.2
		A-4, Si, brn, Wet, Rec. = 1.4 ft				WH-WH-2-2 (2)	38.5	0.4	11.1	88.5
		A-4, SaSi, brn, Wet, Rec. = 1.4 ft				1-1-1-1 (2)	33.0	1.9	36.3	61.8
20		Visual Classification, Wood with some sand, brn, Wet, Rec. = 0.9 ft, Rollerconed ahead and advanced casing to 24 feet.				4-13-3-18 (16)				
25		Field Note: No Recovery, Wood pieces in sampler. Rollerconed to 26 feet.				5-4-3-3 (7)				
		A-4, SaSi, gry, Wet, Rec. = 1.3 ft				5-3-5-5 (8)	27.6	1.3	33.0	65.7
		A-4, Si, gry, Wet, Rec. = 0.3 ft				2-16-R	31.5	2.1	11.6	86.3
30		28.6 ft - 29.0 ft, Gray, Meta-Limestone, with quartz veins. Hard, Unweathered, Fair rock, BXMDC	1 (?)	40 (0)	18					
		29.0 ft - 34.0 ft, Gray, Meta-Limestone, with quartz veins. Hard, Unweathered, Fair rock, BXMDC	2 (20)	100 (35)	14					
					8					
					7					
					8					
35		Hole stopped @ 34.0 ft								

BORING LOG 2 ROYALTON BRS 0147(13).GPJ VERMONT AOT.GDT 9/2/10

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.