



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

BORING LOG

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

Boring No.: B-302
Page No.: 1 of 1
Pin No.: 86E055
Checked By: CEE

Boring Crew: GARROW, WERNER, PORTER
Date Started: 8/26/10 Date Finished: 8/26/10
VTSPG NAD83: N 491760.57 ft E 1617322.62 ft
Station: 418+00.00 Offset: 8.00
Ground Elevation: 523.5 ft

Casing Type: WB
Sampler Type: SS
I.D.: 3.5 in 1.5 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
08/26/10		None taken

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.5 ft								
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft				8-6-5-5 (11)	10.1	38.5	47.0	14.5
		A-4, Si, brn, Moist, Rec. = 0.6 ft				2-2-4-2 (6)	30.2	6.0	5.2	88.8
5		A-4, Si, brn, Moist, Rec. = 1.2 ft				2-2-2-3 (4)	35.2	7.9	2.8	89.3
		A-4, Si, brn, Wet, Rec. = 1.4 ft				WH-1-2-1 (3)	33.9	2.0	7.5	90.5
10		A-4, Si, brn, Wet, Rec. = 1.0 ft				WH-WH-2-2 (2)	26.2	2.0	31.8	66.2
		A-4, SaSi, brn, Wet, Rec. = 0.8 ft				5-5-5-5 (10)	28.6	13.8	14.7	71.5
		A-4, Si, brn, MTW, Rec. = 1.1 ft				4-4-4-3 (8)	30.1	11.4	10.7	77.9
15		A-4, Si, brn, Wet, Rec. = 1.5 ft, Small concretions were within sample.				3-3-4-2 (7)	24.6	7.5	38.8	53.7
		A-4, SaSi, brn, Wet, Rec. = 1.5 ft, Small concretions were within sample.				5-7-7-10 (14)	22.6	10.1	42.5	47.4
20		A-2-4, SiSa, brn, Wet, Rec. = 1.0 ft				1-2-1-2 (3)	29.7	0.1	78.2	21.7
		A-2-4, Sa, gry, Wet, Rec. = 1.3 ft				4-3-5-6 (8)	27.1	0.2	82.7	17.1
25		A-2-4, Sa, gry, Wet, Rec. = 1.2 ft				4-5-5-7 (10)	25.1		83.2	16.8
		A-3, Sa, gry, Wet, Rec. = 1.6 ft				8-8-7-7 (15)	23.8		90.1	9.9
		A-3, Sa, gry, Wet, Rec. = 2.0 ft				5-7-8-7 (15)	25.0		93.1	6.9
30		A-3, Sa, gry, Wet, Rec. = 2.0 ft				1-2-1-2 (3)	22.8		90.0	10.0
		A-3, Sa, gry, Wet, Rec. = 2.0 ft				3-3-6-9 (9)	22.8	0.1	89.9	10.0
35		A-2-4, SiSa, gry, Wet, Rec. = 1.0 ft				3-4-4-4 (8)	24.2	0.5	75.5	24.0
		A-4, Si, gry, Wet, Rec. = 2.0 ft				5-5-5-5 (10)	31.3	0.2	17.5	82.3
		A-4, Si, gry, Wet, Rec. = 1.6 ft				2-2-1-2 (3)	33.3	0.4	3.2	96.4
40		A-4, Si, gry, Wet, Rec. = 0.3 ft, Advanced casing to 40.8 ft.				39-R	30.1		2.7	97.3
		40.8 ft - 45.8 ft, Gray, Meta-Limestone, with 0.85 ft thick phyllite zone at 1 (20)		95 (47)	3					
		42.11 feet. Hard, Unweathered, Fair rock, BXMDC			3					
					3					
					4					
45					3					
		Hole stopped @ 45.8 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.