



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

BORING LOG

BETHEL-RANDOLPH
 STP 2921(1)
 VT-12

Boring No.: **B-105**

Page No.: 1 of 1

Pin No.: 10C244

Checked By: MLM

Boring Crew: JUDKINS, GARROW, HOOK
 Date Started: 11/19/13 Date Finished: 11/20/13
 VTSPG NAD83: N 499282.11 ft E 1602265.95 ft
 Station: 269+61 Offset: 7.00
 Ground Elevation: 689.8 ft

Type: WB SS
 I.D.: 4 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 C₁ = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
11/20/13	8.0	While drilling.
11/21/13	8.0	While drilling.

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 - 0.33 ft								
		Grindings, 0.33 ft - 0.6 ft								
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.9 ft				20-21-16-17 (37)	5.1	39.2	44.7	16.1
5		A-1-a, SaGr, gry-brn, Moist, Rec. = 1.2 ft, Broken Rock was within sample.				12-12-11-7 (23)	6.9	55.3	31.3	13.4
		A-1-b, SiSaGr, Lt/brn, Moist, Rec. = 1.4 ft, Broken Rock was within sample.				9-6-6-5 (12)	11.5	42.7	35.8	21.5
		Visual Description:, SaGr, brn, Moist, Rec. = 0.1 ft, Insufficient sample for testing.				4-2-2-6 (4)				
10		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.9 ft, Broken Rock was within sample.				10-32-10-7 (42)	12.1	54.5	34.3	11.2
		Field Note:, No Recovery. Cleaned out casing. Appears to be gravelly sand				5-8-8-11 (16)				
		Field Note:, No Recovery. Cleaned out casing. Appears to be sandy silt				4-4-4-5 (8)				
15		A-4, Si, gry-brn, Wet, Rec. = 2.0 ft				3-3-2-3 (5)	34.4	4.7	2.4	92.9
		Field Note:, Switched to CME 55 track rig. CME 45 skid rig broke down								
20		A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft, Broken Rock was within sample.				14-R@5.0" (R)	16.4	32.0	40.6	27.4
		Field Note:, Cleaned out casing. Appears to be silty sandy gravel								
25		25.0 ft - 30.0 ft, Gray, Biotite-plagioclase-quartz Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 73	1 (30)	100 (86)	3					
					3					
					3					
					3					
					5					
30		30.0 ft - 35.0 ft, Gray, Biotite-plagioclase-quartz Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 76	2 (30)	100 (94)	3					
					3					
					2					
					2					
					2					
35		Hole stopped @ 35.0 ft								
		Remarks: 1. Hole collapsed at 19.3 ft.								

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

BORING LOG 2 BETHEL-RANDOLPH STP 2921(1).GPJ VERMONT AOT.GDT 12/12/13