



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

BORING LOG

BETHEL-RANDOLPH
 STP 2921(1)
 VT-12

Boring No.: B-106
 Page No.: 1 of 1
 Pin No.: 10C244
 Checked By: MLM

Boring Crew: JUDKINS, GARROW, HOOK
 Date Started: 11/20/13 Date Finished: 11/21/13
 VTSPG NAD83: N 499283.24 ft E 1602246.04 ft
 Station: 269+70 Offset: -9.40
 Ground Elevation: 689.8 ft

Casing Type: WB Sampler: 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 55 TRACK C = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
11/21/13	7.9	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 %
0.0 - 0.37		Asphalt Pavement, 0.0 ft - 0.37 ft								
0.37 - 1.0		Grindings, 0.37 ft - 1.0 ft				21-13-10-10 (23)	6.7	38.6	44.0	17.4
1.0 - 1.9		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft				12-10-14-9 (24)	7.4	55.1	31.9	13.0
1.9 - 2.5		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, Broken Rock was within sample.				6-35-44-R@2.5" (79)	12.0	57.2	27.4	15.4
2.5 - 2.9		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Broken Rock was within sample.				13-10-8-6 (18)	14.9	37.1	16.9	46.0
2.9 - 3.5		A-4, GrSi, brn, Moist, Rec. = 0.4 ft, Broken Rock was within sample.				6-8-5-4 (13)	11.0	55.3	23.1	21.6
3.5 - 4.1		A-1-b, SiSaGr, brn, Moist, Rec. = 0.6 ft				4-5-5-5 (10)	28.9	6.5	11.8	81.7
4.1 - 5.2		A-4, Si, gry, MTW, Rec. = 0.9 ft				2-3-3-3 (6)	37.3	1.5	2.2	96.3
5.2 - 6.1		A-4, Si, gry, MTW, Rec. = 1.1 ft, Lab Note: There were mini concretions within sample.				1-2-3-4 (5)	25.6	3.6	3.2	93.2
6.1 - 6.7		A-4, Si, gry, MTW, Rec. = 0.9 ft, Lab Note: There were mini concretions within sample.								
6.7 - 20.0		Field Note: NXDC								
20.0 - 25.0		Field Note: No Recovery 20.0 ft - 25.0 ft, Gray, Biotite-plagioclase-quartz Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 73	1 (30)	94 (86)	4	R@Top of Bedrock @ 20.0 ft				
25.0 - 30.0		25.0 ft - 30.0 ft, Gray, Biotite-plagioclase-quartz Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 73	2 (30)	88 (84)	3					
30.0 - 30.0		Hole stopped @ 30.0 ft								
		Remarks: 1. Hole collapsed at 7.8 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