



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

BORING LOG

BETHEL-RANDOLPH
 STP 2921(1)
 VT-12

Boring No.: **B-104**

Page No.: 1 of 1

Pin No.: 10C244

Checked By: MLM

Boring Crew: JUDKINS, GARROW, HOOK
 Date Started: 11/15/13 Date Finished: 11/15/13
 VTSPG NAD83: N 495329.18 ft E 1601181.93 ft
 Station: 227+18 Offset: -11.00
 Ground Elevation: 598.6 ft

Casing: 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 45C SKID C_r = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
11/15/13	11.9	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.34		Asphalt Pavement, 0.0 ft - 0.34 ft					
0.34 - 0.9		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft	8-11-8-7 (19)	6.7	35.1	47.7	17.2
0.9 - 1.0		A-2-4, GrSiSa, brn, Moist, Rec. = 1.0 ft	5-3-7-10 (10)	12.7	23.8	46.7	29.5
1.0 - 1.1		Visual Description:, GrSiSa, brn, Moist, Rec. = 0.1 ft, Material similar as 3-5 ft.	8-9-10-9 (19)				
1.1 - 1.8		A-4, SiSa, gry-brn, Moist, Rec. = 1.1 ft	7-5-4-6 (9)	15.9	14.2	48.4	37.4
1.8 - 2.5		A-1-b, SiSaGr, gry-brn, Moist, Rec. = 0.7 ft	2-2-2-1 (4)	18.1	42.5	32.3	25.2
2.5 - 3.4		Field Note:, No Recovery. Appears to be silt	2-1-WH-2 (1)				
3.4 - 4.3		A-4, SiSa, gry-brn, MTW, Rec. = 0.9 ft	2-7-5-3 (12)	26.3	15.6	43.1	41.3
4.3 - 5.8		A-4, SaSi, gry-brn, MTW, Rec. = 1.5 ft	4-4-3-4 (7)	31.9	5.5	29.8	64.7
5.8 - 7.3							
7.3 - 8.8		A-4, SiSa, gry-brn, MTW, Rec. = 1.5 ft	3-3-2-3 (5)	31.7	2.1	55.1	42.8
8.8 - 10.0							
10.0 - 11.2		Field Note:, No Recovery. Appears to be sand	3-4-4-3 (8)				
11.2 - 12.4		A-4, SiSa, gry-brn, MTW, Rec. = 1.2 ft	3-3-4-4 (7)	28.6	0.1	61.2	38.7
12.4 - 29.0		Hole stopped @ 29.0 ft					
29.0 - 30.0		Remarks: 1. Hole collapsed at 19.9 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