



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

BORING LOG

BETHEL-RANDOLPH  
 STP 2921(1)  
 VT-12

Boring No.: B-107  
 Page No.: 1 of 1  
 Pin No.: 10C244  
 Checked By: MLM

Boring Crew: GARROW, HOOK  
 Date Started: 11/26/13 Date Finished: 11/26/13  
 VTSPG NAD83: N 507848.35 ft E 1600662.79 ft  
 Station: 362+62 Offset: 6.50  
 Ground Elevation: 675.5 ft

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
11/26/13	5.9	Casing removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0		Asphalt Pavement, 0.0 ft - 0.04 ft					
0.04		Grindings, 0.04 ft - 1.0 ft	14-5-6-9 (11)	7.2	29.0	53.7	17.3
1.1		A-1-b, SaGr, Lt/brn, Moist, Rec. = 1.1 ft					
1.9		A-2-4, GrSiSa, brn, Moist, Rec. = 0.8 ft	8-8-17-18 (25)	12.9	28.2	37.9	33.9
2.7		Visual Description:, Broken Rock with sand, Lt/brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.		5.2			
3.0		A-4, SaSi, gry-brn, Moist, Rec. = 0.8 ft	6-6-6-6 (12)	19.8	17.9	38.4	43.7
3.8		A-4, SaSi, gry, Moist, Rec. = 1.2 ft	2-2-2-3 (4)	45.6	12.8	25.4	61.8
4.7		A-4, Si, gry-brn, Moist, Rec. = 0.9 ft	1-3-3-4 (6)	33.9	0.6	3.1	96.3
5.6		A-4, Si, Lt/brn, Moist, Rec. = 1.1 ft	WH-2-2-3 (4)	36.5	0.2	1.5	98.3
6.7		Field Note:, No Recovery, Cleaned out casing. Appears to be gravelly silt.	1-3-5-R@0.0" (8)				
7.2		Lab Note, Sample was mostly Broken Rock, gry, Moist, Rec. = 0.5 ft	31-13-8-6 (21)	9.4	79.7	12.1	8.2
7.7		A-2-4, SiSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Pieces of Severely Weathered & Broken Rock were within sample.	12-9-6-6 (15)	16.2	16.3	56.6	27.1
8.2		A-2-4, SaSiGr, gry, Moist, Rec. = 1.1 ft, Lab Note: Pieces of Severely Weathered & Broken Rock were within sample.	8-5-7-12 (12)	18.2	40.9	28.7	30.4
27.0	Hole stopped @ 27.0 ft						
30.0	Remarks: 1. Hole collapsed at 20.0 ft. 2. Moved bore hole because of utilities.						

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