



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

BORING LOG

MORRISTOWN  
 STP F029-1(2)  
 VT-100 BYPASS

Boring No.: B-302

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Pin No.: 78D082

Checked By: CCB

Boring Crew: DAIGNEAULT, HALL  
 Date Started: 7/08/13 Date Finished: 7/08/13  
 VTSPG NAD83: N 230013.64 m E 491980.25 m  
 Station: 9+152.887 Offset: 17.69  
 Ground Elevation: 191.10 m

Type: WB SS  
 I.D.: 3.00 cm 1.50 cm  
 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 (m)	Notes
07/08/13	1.10	While drilling.

Depth (m)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/0.3m	Groundwater Observations				
						Blows/15cm (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.20 m				WH-3-3-3 (6)	16.9	36.0	43.0	21.0
2		Visual Description: Broken Rock with Fine Sand, brn, Moist, Rec. = 0.06 m				8-10-10-12 (20)				
4		A-4, Si, gry, Moist, Rec. = 0.35 m				4-8-8-9 (16)	27.0	1.3	14.2	84.5
6		A-4, Si, gry, Moist, Rec. = 0.43 m				11-11-13-13 (24)	26.5	2.4	14.4	83.2
8		A-4, SaSi with little Broken Rock, gry, Moist, Rec. = 0.12 m				8-21-R (R)	16.3	14.3	31.8	53.9
8		A-4, GrSaSi, gry, Moist, Rec. = 0.03 m, Some Broken Rock pieces were within sample.					9.8	31.2	32.8	36.0
10		A-2-4, SiSa, gry, Moist, Rec. = 0.22 m				4-3-3-10 (6)	18.4	11.4	58.9	29.7
10		A-2-4, SiSa, gry, Moist, Rec. = 0.10 m				(R)	16.0	17.9	53.3	28.8
12		10.75 m - 11.25 m, Gray, Phyllitic Metawacke, Moderately hard, Unweathered, Fair rock, BXDC, RMR = 47 11.25 m - 12.80 m, Gray, Phyllitic Metawacke, and dark gray Phyllite. Moderately hard, Unweathered, Fair rock, BXGDC, RMR = 47	1 (?) 2 (85)	24 (0) 53 (0)	8 6 7 8	Top of Bedrock @ 10.75 m				
		Hole stopped @ 12.80 m								
14	Remarks: Hole collapsed at 1.1m									

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 MORRISTOWN STP F029-1(2).GPJ VERMONT AOT.GDT 7/16/13