



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

BORING LOG

BRADFORD  
BF 0191(29)  
VT-25B BR-1

Boring No.: B-103

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Pin No.: 13C054

Checked By: BLS

Boring Crew: GARROW, JUDKINS  
Date Started: 6/19/14 Date Finished: 6/19/14  
VTSPG NAD83: N 542417.70 ft E 1735506.47 ft  
Station: 15+39 Offset: -20.10  
Ground Elevation: 480.3 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 55 TRACK C<sub>c</sub> = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
06/20/14	13.1	AM, with casing.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, NXDC, Cobbles 1.3-2.0 ft. Lab Note: Broken Rock was witin sample.				1-5-12-6 (17)	5.4	42.9	45.7	11.4
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				6-9-14-8 (23)	13.6	38.7	49.3	12.0
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				5-5-12-8 (17)	11.9	41.3	49.0	9.7
		Visual Description:, GrSa, brn, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing. Insufficient sample for testing.				6-9-14-5 (23)	12.1			
10		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft, Cleaned out casing.				3-3-2-3 (5)	24.4	8.3	62.8	28.9
		A-4, SiSa, brn, MTW, Rec. = 0.7 ft				3-1-2-2 (3)	23.4	3.1	58.5	38.4
15		A-4, SiSa, brn, MTW, Rec. = 1.2 ft				3-2-2-4 (4)	25.5	1.4	59.0	39.6
		A-2-4, Sa, brn, Moist, Rec. = 0.7 ft				7-14-20-30 (34)	19.9	11.4	75.1	13.5
		A-1-b, GrSa, brn-orange, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.				26-29-22-18 (51)	10.3	44.8	45.6	9.6
20		A-1-b, SaGr, gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				15-14-11-4 (25)	9.9	45.6	42.3	12.1
		A-1-a, SaGr, yel-brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.					10.6	64.9	29.7	5.4
		Field Note:, No Recovery								
25						3-2-2-3 (4)				
		A-2-4, GrSa, gry, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				1-1-1-R@5.0" (2)	15.0	37.9	42.9	19.2
30		28.3 ft - 33.3 ft. Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained. Hard, Unweathered, Fair rock, NXMDC, RMR=53	1 (45)	90 (78)	4	Top of Bedrock @ 28.3 ft				
					3					
					4					
					4					
35		33.3 ft - 38.3 ft. Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained. Hard, Unweathered, Fair rock, NXMDC, RMR=53	2 (45)	100 (88)	3					
					3					
					3					
					3					
40		Hole stopped @ 38.3 ft								
		Remarks: Hole collapsed at 18.7 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 BRADFORD BF 0191(29).GPJ VERMONT AOT.GDT 8/6/14