



BORING LOG

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

Boring No.: **B-101**
Page No.: **1 of 2**
Pin No.: **13C054**
Checked By: **BLS**

Boring Crew: **DAIGNEAULT, JUDKINS**
Date Started: **7/10/14** Date Finished: **7/14/14**
VTSPG NAD83: **N 542360.40 ft E 1735388.25 ft**
Station: **14+08** Offset: **-5.80**
Ground Elevation: **471.0 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 45C TRACK** **C = 1.34**

Groundwater Observations		
Date	Depth (ft)	Notes
07/11/14	5.3	AM
07/14/14	4.3	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drift Rate minutes/ft	Blows/6" (N Value)				
						Moisture Content %	Gravel %	Sand %	Fines %	
		A-3, Sa, brn, Moist, Rec. = 0.7 ft				WH-1-2-1 (3)	16.6	1.9	88.1	10.0
		A-2-4, GrSa, brn, Moist, Rec. = 1.7 ft, Lab Note: Broken Rock was within sample.				2-3-5-6 (8)	13.6	22.0	65.4	12.6
5		Visual Description: Wood with silty sand, Dk/brn, MTW, Rec. = 0.6 ft, Cleaned out with roller cone.				3-22-5-5 (27)	76.7			
		A-1-a, SaGr, brn, MTW, Rec. = 0.7 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				8-5-6-7 (11)	11.3	60.3	32.8	6.9
		A-1-b, GrSa, brn, MTW, Rec. = 0.8 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				6-8-6-20 (14)	18.1	30.6	53.6	15.8
10		A-2-4, GrSa, brn, MTW, Rec. = 0.7 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				9-6-5-7 (11)	20.3	28.1	55.6	16.3
		A-1-a, SaGr, brn, MTW, Rec. = 0.5 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				10-7-25-23 (32)	11.5	58.1	32.9	9.0
15		Field Note: No Recovery, Cleaned out with roller cone.				33-10-6-5 (16)				
		A-1-b, GrSa, brn, MTW, Rec. = 0.9 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				4-3-8-7 (11)	16.4	24.8	67.9	7.3
		A-1-b, SaGr, brn, MTW, Rec. = 0.4 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				6-5-5-4 (10)	13.7	47.5	37.6	14.9
20		A-1-b, SaGr, Dk/brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				13-23-27-24 (50)	10.4	50.9	34.3	14.8
		Field Note: NXDC, Cleaned out casing								
25		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing				10-6-6-8 (12)	14.7	41.9	47.1	11.0
		Field Note: NXDC, Cleaned out casing								
30		A-1-b, GrSa, Dk/brn, MTW, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.				9-19-10-5 (29)	14.5	39.5	40.8	19.7
		Field Note: NXDC, Cleaned out casing								
35		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.				18-21-19-30 (40)	7.6	52.3	30.4	17.3

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.



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						Moisture Content %	Gravel %	Sand %	Fines %	
		Field Note: NXDC, Cleaned out casing								
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft				14-22-11-18 (33)	11.8	28.7	53.8	17.5
45		Field Note: NXDC, Cleaned out casing								
		Lab Note, Sample was mostly Broken Rock, brn-gry, Moist, Rec. = 0.2 ft				25-R@2.5" (R)	10.7	51.6	29.2	19.2
		Field Note: NXDC, Cleaned out casing								
50		A-1-b, GrSa, Lt/brn, MTW, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				20-28-18-9 (46)	10.8	38.2	46.7	15.1
		Field Note: NXDC, Cleaned out casing								
55		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				11-10-13-11 (23)	12.7	36.0	43.0	21.0
		Field Note: NXDC, Cleaned out casing								
60		Field Note: NXDC, Cleaned out casing								
		A-2-4, SiGrSa, gry, Moist, Rec. = 0.4 ft	1 (45)	100 (48)	11					
		60.7 ft - 65.7 ft, Gray to light gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained. Hard, Unweathered, Fair rock, NXMDC, RMR=52			8					
					5					
					4					
					4					
65		65.7 ft - 70.7 ft, Gray to light gray, Micaceous quartzite with thin dark-gray Granite, fine-grained. Hard, Unweathered, Good rock, NXMDC, RMR=61	2 (45)	100 (88)	3					
					3					
					3					
					3					
70		Hole stopped @ 70.7 ft								
		Remarks: 1. Hole was drilled through Bridge Deck. 2. Top of Bridge Deck was 10.0 feet above ground surface. 3. Bridge Deck Asphalt depth was at 0.0-0.27 ft. 4. Bridge Deck Concrete depth was at 0.27-0.87 ft. 5. Soil sample depths were taken from ground surface. 6. Hole collapsed at 16.2 ft.								
75										

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BORING LOG 2 BRADFORD BF 0191(29).GP1 VERMONT AOT.GDT 8/6/14

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