



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

BORING LOG

WARDSBORO
 BF 013-1(22)
 VT-100 BR-73

Boring No.: B-101
 Page No.: 1 of 1
 Pin No.: 13B074
 Checked By: TDE

Boring Crew: DAIGNEAULT, GARROW, JUDKINS
 Date Started: 12/04/13 Date Finished: 12/04/13
 VTSPG NAD83: N 194985.67 ft E 1558554.00 ft
 Station: 284+24 Offset: -16.40
 Ground Elevation: 1092.0 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_r = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
12/04/13	6.0	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft	16-10-5-5 (15)	10.1	25.1	62.0	12.9
		A-1-a, SaGr, Dk/brn, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample.	7-7-9-9 (16)	9.0	50.5	40.5	9.0
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Lots of Broken Rock was within sample.	8-5-6-8 (11)	6.9	46.7	37.6	15.7
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Lots of Broken Rock was within sample.	6-8-10-10 (18)	8.1	48.1	40.6	11.3
		Lab Note, Sample was mostly broken Rock, brn-gry, Moist, Rec. = 0.4 ft	33-23-28-R@3.5" (51)	7.2	64.3	27.1	8.6
10		Field Note:, Cleaned out with roller cone	14-R@1.0" (R)	8.5	49.8	36.6	13.6
		A-1-b, SaGr, gry, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample.					
		Field Note:, Cleaned out with NXDC					
15		A-1-b, SiSaGr, gry, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample.	23-R@1.0" (R)	8.8	45.4	32.1	22.5
		Field Note:, Cleaned out with NXDC					
		A-2-4, GrSiSa, gry, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	30-35-26-R@2.5" (61)	14.4	24.3	48.6	27.1
		A-2-4, SiSa, gry, MTW, Rec. = 1.3 ft	11-19-24-31 (43)	20.1	2.8	65.1	32.1
		A-2-4, SiSa, gry, Moist, Rec. = 1.4 ft, Cleaned out with NXDC.	4-16-25-30 (41)	15.6	8.6	61.5	29.9
20		Field Note:, No Recovery	R@1.0"				
		Field Note:, Cleaned out with NXDC, Cobbles in cleanout.					
		A-4, SaSi, gry, Moist, Rec. = 0.3 ft	R@5.0"	9.5	17.8	41.0	41.2
25		Field Note:, Cleaned out with NXDC					
		A-4, GrSiSa (HP), gry, Moist, Rec. = 1.1 ft	32-47-R@5.0" (R)	9.3	21.0	40.1	38.9
Hole stopped @ 25.1 ft							
Remarks: 1. Hole collapsed at 13.4 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.

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BORING LOG

WARDSBORO
 BF 013-1(22)
 VT-100 BR-73

Boring No.: B-102

Page No.: 1 of 1

Pin No.: 13B074

Checked By: TDE

Boring Crew: DAIGNEAULT, HOOK, JUDKINS

Date Started: 12/05/13 Date Finished: 12/05/13

VTSPG NAD83: N 194954.14 ft E 1558569.60 ft

Station: 284+42 Offset: 14.00

Ground Elevation: 1091.0 ft

Type: 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 55 TRACK C_s = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
12/05/13		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Description: Broken Rock with sand, brn, Moist, Rec. = 0.4 ft, Insufficient sample for testing.	10-3-3-16 (6)	4.9			
		Visual Description: Broken Rock with sand, brn, Moist, Rec. = 0.4 ft, Insufficient sample for testing.	6-5-5-7 (10)	11.0			
5		A-2-4, SiGrSa, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.	4-3-3-4 (6)	11.3	28.2	50.3	21.5
		A-2-4, GrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample. Cleaned out with roller cone.	2-4-3-4 (7)	12.6	31.4	53.0	15.6
		A-1-b, SaGr, Lt/brn, Moist, Rec. = 1.0 ft, Lab Note: Lots of Broken Rock was within sample. Cleaned out with roller cone.	20-23-26-24 (49)	9.0	57.1	30.8	12.1
10		A-1-a, SaGr, Lt/brn, Wet, Rec. = 0.4 ft, Lab Note: Lots of Broken Rock was within sample. Cleaned out with roller cone.	20-38-25-R@2.5" (63)	10.3	63.0	27.4	9.6
		A-1-b, GrSa, Lt/brn, Wet, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	11-16-13-11 (29)	14.7	34.8	53.1	12.1
15		A-2-4, SiSa, Lt/brn, MTW, Rec. = 1.1 ft	15-25-44-R@0.0" (69)	14.6	13.7	59.5	26.8
		A-4, SiSa, brn-gry, MTW, Rec. = 1.2 ft	37-39-R@2.5" (R)	12.8	14.6	49.3	36.1
		A-2-4, GrSiSa, Lt/gry, Moist, Rec. = 0.2 ft, Lab Note: Broken Rock was within sample.	R@3.5"	11.2	22.3	47.0	30.7
20		Visual Description: GrSiSa, Lt/gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	R@3.5"	10.0			
		Field Note: NXDC, Cleaned out casing.					
		A-2-4, SiSa, Lt/gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.	35-22-28-R@2.5" (50)	16.2	14.9	60.1	25.0
25		A-4, SiSa, Lt/gry, Moist, Rec. = 1.2 ft	15-29-R@5.0" (R)	13.0	12.6	45.5	41.9
		Hole stopped @ 25.4 ft					
		Remarks: 1. Hole collapsed at 25.4 ft.					

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