

VT STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101			
WARDSBORO BF 013-1(22) VT-100 BR-73		Page No.: 1 of 1		Pin No.: 13B074			
Checked By: TDE		Boring Crew: DAIGNEAULT, GARROW, JUDKINS		Casing Sampler			
Date Started: 12/04/13 Date Finished: 12/04/13		Type: WB SS		Groundwater Observations			
VTSPG NAD83: N 194985.67 ft E 1558554.00 ft		I.D.: 4 in 1.5 in		Date Depth Notes			
Station: 284+24 Offset: -16.40		Hammer Wt: N.A. 140 lb.		12/04/13 6.0 While drilling.			
Ground Elevation: 1092.0 ft		Hammer Fall: N.A. 30 in.					
		Hammer/Rod Type: Auto/AWJ					
		Rig: CME 55 TRACK C <sub>e</sub> = 1.46					
Depth (ft)	Strata (1)	Classification of Materials (Description)	Blows/ft (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	33-23-28-28 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.	23- R@1.0" (R)	8.8	45.4	32.1	22.5
		Field Note: Cleaned out with NXDC	30-35-26-26 R@2.5" (61)	14.4	24.3	48.6	27.1
15		A-2-4, GrSiSa, gry, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	11-19-24-31 (43)	20.1	2.8	85.1	32.1
		A-2-4, SiSa, gry, MTW, Rec. = 1.3 ft	4-16-25-30 (41)	15.6	8.6	61.5	29.9
		A-2-4, SiSa, gry, Moist, Rec. = 1.4 ft, Cleaned out with NXDC.	R@1.0"				
20		Field Note: No Recovery	R@5.0"	9.5	17.8	41.0	41.2
		Field Note: Cleaned out with NXDC, Cobbles in cleanout.					
		A-4, SaSi, gry, Moist, Rec. = 0.3 ft					
		Field Note: Cleaned out with NXDC					
25		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.					

BORING LOG 2 WARDSEBRO BF 013-1(22) GPJ VERMONT ADT GDT 12/18/13

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<sub>e</sub> 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.

VT STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102			
WARDSBORO BF 013-1(22) VT-100 BR-73		Page No.: 1 of 1		Pin No.: 13B074			
Checked By: TDE		Boring Crew: DAIGNEAULT, HOOK, JUDKINS		Casing Sampler			
Date Started: 12/05/13 Date Finished: 12/05/13		Type: WB SS		Groundwater Observations			
VTSPG NAD83: N 194954.14 ft E 1558569.60 ft		I.D.: 4 in 1.5 in		Date Depth Notes			
Station: 284+42 Offset: 14.00		Hammer Wt: N.A. 140 lb.		12/05/13 No water to depth.			
Ground Elevation: 1091.0 ft		Hammer Fall: N.A. 30 in.					
		Hammer/Rod Type: Auto/AWJ					
		Rig: CME 55 TRACK C <sub>e</sub> = 1.46					
Depth (ft)	Strata (1)	Classification of Materials (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		Visual Description: Broken Rock with sand, brn, Moist, Rec. = 0.4 ft, Insufficient sample for testing.	10-3-3-15 (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			
		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.	20-38-25-25 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
		A-2-4, SiSa, Lt/brn, MTW, Rec. = 1.1 ft	15-25-44-44 R@2.0" (63)	14.6	13.7	59.5	26.8
15		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.	35-22-28-28 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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PROJECT NAME: WARDSEBRO  
 PROJECT NUMBER: BF 013-1(22) 101/100  
 FILE NAME: sl3b074borIng.dgn PLOT DATE: 17-MAR-2014  
 PROJECT LEADER: K. HIGGINS DRAWN BY: J. SALVATORI  
 DESIGNED BY: J. SALVATORI CHECKED BY: G. LAROCHE  
 BORING LOGS SHEET 435 OF 444