



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

BORING LOG

MOUNT HOLLY
 STP 0133(8)
 VT-155 MM 5.57

Boring No.: B-101
 Page No.: 1 of 1
 Pin No.: 12C406
 Checked By: MLM

Boring Crew: JUDKINS, DAIGNEAULT, GARROW
 Date Started: 10/29/13 Date Finished: 10/29/13
 VTSPG NAD83: N 336758.86 ft E 1545810.98 ft
 Station: 609+45 Offset: 13.54
 Ground Elevation: 1443.45 ft

Type: WB Sampler SS
 I.D.: 4.25 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 = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
10/29/13	11.7	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 0.45		Asphalt Pavement, 0.0 ft - 0.45 ft A-1-b, GrSa, brn, Moist, Rec. = 0.5 ft	6-21-17-19 (38)	11.7	28.7	56.9	14.4		
		Field Note: No Recovery	R@2.5"						
10		Field Note: Cobbles, Cleaned out casing A-4, SaSi, brn, Moist, Rec. = 0.7 ft	7-3-6-6 (9)	25.9	6.5	20.9	72.6	26	2
		A-4, Si, brn, Moist, Rec. = 0.3 ft	3-4-11-5 (15)	25.0	13.3	17.7	69.0		
20		A-2-4, GrSiSa with varved layers, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	8-25-28-R@3.5" (53)	11.5	24.7	41.6	33.7		
		Field Note: Cleaned out casing. Appears to be Sandy Gravel A-4, SaSi (HP), gry, Moist, Rec. = 0.7 ft	35-R@5.0"	11.5	16.5	33.6	49.9		
30		A-4, SaSi, gry, Moist, Rec. = 0.2 ft	R@3.5"	10.4	12.4	43.7	43.9		
		Field Note: No Recovery	R@2.5"						
40		A-4, SiSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.	42-R@5.0"	12.6	12.2	46.4	41.4		
		Field Note: No Recovery. Appears to be Sandy Silt	R@5.0"						
50		Field Note: No Recovery. Appears to be Sandy Silt	R@6.0"						
		A-4, SaSi, gry, Moist, Rec. = 0.5 ft	28-R@5.0"	21.2	2.9	37.8	59.3		
60		A-4, GrSaSi, gry, Moist, Rec. = 0.3 ft	R@3.5"	10.3	26.8	35.2	38.0		
		A-4, Si, gry, Moist, Rec. = 1.2 ft, Lab Note: A very small layer of Clay was noticeable, but not enough for testing.	28-35-R@6.0" (R)	25.3	0.4	2.0	97.6		
70		A-4, Si, gry, Moist, Rec. = 1.3 ft	13-32-R@6.0" (R)	27.9		0.9	99.1	32	4
		Hole stopped @ 72.0 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 MOUNT HOLLY STP 0133(8).GPJ VERMONT AOT.GDT 3/10/14



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BORING LOG

MOUNT HOLLY
STP 0133(8)
VT-155 MM 5.57

Boring No.: B-102
Page No.: 1 of 1
Pin No.: 12C406
Checked By: MLM

Boring Crew: JUDKINS, DAIGNEAULT, GARROW
Date Started: 10/30/13 Date Finished: 10/30/13
VTSPG NAD83: N 336895.91 ft E 1545772.74 ft
Station: 610+87 Offset: 13.14
Ground Elevation: 1445.05 ft

Casing Type: WB Sampler: SS
I.D.: 4.25 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. = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
10/30/13	41.2	Casing in ground.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt Pavement, 0.0 ft - 0.6 ft							
		A-1-a, SaGr, brn-white, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	4-9-10-15 (19)	8.9	62.3	24.6	13.1		
		Field Note: Cleaned out casing. Appears to be Silty Sand							
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.7 ft	12-12-9-6 (21)	18.1	23.7	49.0	27.3		
10		Field Note: Cleaned out casing. Appears to be Gravelly Sand							
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft	7-7-7-13 (14)	11.1	29.4	48.1	22.5		
		Field Note: Cobbles							
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	6-5-8-10 (13)	14.6	23.6	47.4	29.0		
20		Field Note: Cobbles & Gravel							
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	18-30-21-30 (51)	8.5	43.1	39.9	17.0		
		Field Note: Cleaned out casing. Appears to be Sandy Silt							
		A-2-4, SaSi, brn, Moist, Rec. = 0.8 ft	9-9-10-R@3.5" (19)	15.0	17.2	57.9	24.9		
30		Field Note: Cleaned out casing. Appears to be Gravel							
		Visual Description: Broken Rock with sand, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	15-14-14-28 (28)						
		Field Note: Cleaned out casing. Appears to be Gravelly Silty Sand							
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	27-24-19-20 (43)	13.6	29.8	57.6	12.6		
40		Field Note: Cleaned out casing. Appears to be Sand							
		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft	8-7-7-13 (14)	19.4	0.9	80.4	18.7		
		A-4, SaGrSi, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.	32-26-20-16 (46)	9.3	34.3	28.6	37.1		
50		Field Note: Lost water at 49.0 ft.							
		A-4, SaGrSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.	25-40-R@6.0" (R)	14.0	25.5	20.3	54.2		
		A-4, Si, gry, Moist, Rec. = 1.4 ft, Lab Note: Sample was tested for Limits.	19-28-45-R@1.0" (73)	24.5	0.6	1.5	97.9		
60		A-4, ClSi, gry, Moist, Rec. = 0.4 ft	R@5.0"	26.2	3.5	2.2	94.3	37	9
		Field Note: No Recovery	R@5.0"						
70		A-4, Si, gry, Moist, Rec. = 1.0 ft, Lab Note: Sample was tested for Limits.	26-32-R@6.0" (R)	28.0	0.2	6.6	93.2		
		Hole stopped @ 71.5 ft							

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Boring No.: C-101
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 Checked By: MLM

Boring Crew: JUDKINS, DAIGNEAULT, GARROW
 Date Started: 10/30/13 Date Finished: 10/30/13
 VTSPG NAD83: N 336505.69 ft E 1545858.03 ft
 Station: 606+88 Offset: -8.47
 Ground Elevation: 1446.83 ft

Casing WB Sampler SS
 I.D.: 4.25 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
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
		Asphalt Pavement, 0.0 ft - 0.62 ft						
2.5		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft	12-16-13-16 (29)	8.6	26.2	56.4	17.4	
5.0		A-1-b, GrSa, brn, Moist, Rec. = 2.0 ft	13-15-15-17 (30)	9.9	25.3	58.3	16.4	
		Hole stopped @ 5.0 ft						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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