



Boring Crew: HOOK, JUDKINS, DAIGNEAULT
Date Started: 9/24/14 Date Finished: 9/26/14
VTSPG NAD83: N 462286.41 ft E 1557536.78 ft
Station: 13+66 Offset: 13.60
Ground Elevation: 841.4 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 45C SKID C_c = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
09/25/14	12.5	Before drilling.
09/26/14	16.6	Before drilling.

Depth (ft)	Strata (1)	Classification of Materials (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.2 ft								
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock & Asphalt Pavement were within sample.				29-30-15-20 (45)	6.6	48.1	37.6	14.3
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				11-13-9-17 (22)	4.8	65.3	27.2	7.5
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				21-15-7-13 (22)	5.6	68.3	24.6	7.1
		Visual Description: Broken Rock, gry, Moist, Rec. = 0.3 ft, Cleaned out with NXDC.				10-R@3.5" (R)	1.3	68.8	19.7	11.5
		Field Note: No Recovery, Cleaned out with NXDC.				47-43-R@2.5" (R)				
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				10-16-21-34 (37)	11.1	63.3	27.7	9.0
		Field Note: Boulder, Cleaned out with NXDC.				R@0.0"				
		A-1-b, GrSa, brn, Wet, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.				15-5-3-3 (8)	15.4	42.4	42.8	14.8
		A-2-4, SiGrSa, brn, MTW, Rec. = 0.5 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				8-14-17-19 (31)	13.0	30.9	43.4	25.7
		A-4, SiSa, brn-gry, MTW, Rec. = 0.5 ft, Cleaned out with NXDC.				21-22-R@5.0" (R)	15.7	11.3	51.9	36.8
		A-1-b, SiSaGr, brn, MTW, Rec. = 0.7 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				13-11-12-8 (23)	13.1	49.6	30.1	20.3
		A-2-4, Sa, brn, MTW, Rec. = 0.8 ft				19-17-17-16 (34)	20.2	2.3	83.5	14.2
		Field Note: Cleaned out with NXDC.								
		A-1-b, SaGr, Dk/brn, MTW, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				14-15-31-37 (46)	12.9	51.5	33.3	15.2
		Field Note: Cleaned out with NXDC.								

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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Ground Elevation: 841.4 ft

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Groundwater Observations		
Date	Depth (ft)	Notes
09/25/14	12.5	Before drilling.
09/26/14	16.6	Before drilling.

Depth (ft)	Strata (1)	Classification of Materials (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SiSaGr, brn, MTW, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				12-11-13-12 (24)	11.9	45.8	31.5	22.7
		Field Note: Cleaned out with NXDC.								
		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: Lots of Broken Rock was within sample.				13-20-R@1.0" (R)	12.3	46.5	34.4	19.1
		Field Note: Cleaned out with NXDC.								
		A-2-4, SaSiGr, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				11-14-12-22 (26)	11.2	47.6	25.6	26.8
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.								
		Field Note: Cleaned out with NXDC.								
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				30-16-13-13 (29)	13.0	41.7	38.0	20.3
		52.7 ft - 55.7 ft, Light- greenish-gray to pale-green Phyllite, with layers of quartz. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 73	1 (85)	77 (77)	7					Top of Bedrock @ 52.7 ft
		55.7 ft - 60.7 ft, Light- greenish-gray to pale-green Phyllite, with layers of quartz. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 76	2 (50)	100 (92)	9					
		60.7 ft - 62.7 ft, Light- greenish-gray to pale-green Phyllite, with layers of quartz. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 73	3 (50)	95 (80)	7					
		Hole stopped @ 62.7 ft								
		Remarks: 1. Hole collapsed at 10.8 ft. 2. Layers of Asphalt & Gravel to 1.4 ft.								

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BORING LOG 2 PITTSFIELD BHF 022-1(24) GPJ VERMONT AOT.GDT. 10/30/14

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BORING LOG

PITTSFIELD
BHF 022-1(24)
VT-100 BR-126

Boring No.: **B-102**
Page No.: 1 of 2
Pin No.: 10B416
Checked By: MLM

Boring Crew: NIETO, JUDKINS, DAIGNEAULT
Date Started: 9/29/14 Date Finished: 9/30/14
VTSFG NAD83: N 462357.25 ft E 1557556.23 ft
Station: 14+35 Offset: -12.00
Ground Elevation: 841.6 ft

Casing Sampler
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
Rlg: CME 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
09/30/14	12.6	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
											Notes
		Asphalt Pavement, 0.0 ft - 0.6 ft									
5		A-1-b, GrSa, brn, Dry, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				6-10-8-6 (18)	7.9	38.1	44.8	17.1	
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				7-7-7-8 (14)	10.7	47.0	37.0	16.0	
		A-1-b, SaGr, brn, Moist, Rec. = 0.9 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				27-29-23-14 (52)	13.1	52.7	28.8	18.5	
		Field Note: No Recovery, Cleaned out with roller cone.				R@1.0" (R)					
10		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.4 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				10-16-R@3.5" (R)	8.8	61.8	26.6	11.6	
		A-2-4, SiGrSa, gry-brn, Moist, Rec. = 0.4 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				13-R@5.0" (R)	13.3	32.7	42.2	25.1	
15		A-2-4, SiSa, gry, MTW, Rec. = 0.7 ft				12-6-4-5 (10)	18.9	12.0	62.7	25.3	
		A-1-b, SaGr, brn-Lt/gry, Moist, Rec. = 1.0 ft, Cleaned out with roller cone.				7-5-11-15 (16)	13.0	48.2	37.4	14.4	
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.8 ft, Cleaned out with roller cone.				10-9-10-13 (19)	13.0	46.9	32.8	20.3	
20		A-1-b, SiSaGr, Lt/gry, Moist, Rec. = 0.5 ft, Cleaned out with roller cone.				9-14-13-18 (27)	12.3	49.8	26.2	24.0	
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.9 ft				14-14-11-5 (25)	13.7	38.4	41.2	20.4	
		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				6-6-9-12 (15)	12.7	43.8	42.8	13.4	
30		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				5-10-18-15 (28)	13.8	30.9	48.8	20.3	

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BORING LOG

PITTSFIELD
BHF 022-1(24)
VT-100 BR-126

Boring No.: **B-102**
Page No.: 2 of 2
Pin No.: 10B416
Checked By: MLM

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Casing Sampler
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Hammer/Rod Type: Auto/AWJ
Rlg: CME 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
09/30/14	12.6	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
40		A-1-b, SiGrSa, gry-brn, Moist, Rec. = 0.8 ft				16-18-20-26 (38)	11.4	37.7	42.2	20.1
		Field Note: Cleaned out with roller cone								
		A-1-b, GrSa, gry-Lt/brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.					13-17-19-21 (36)	12.6	37.2	47.0
45		Field Note: Cleaned out with roller cone								
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.					28-10-9-9 (19)	12.3	59.3	26.3
50		Field Note: Cleaned out with roller cone								
		A-2-4, SiSaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.					18-13-22-R@5.0" (35)	15.3	35.8	34.6
55		51.9 ft - 56.9 ft, Light- greenish-gray to pale-green Phyllite, with layers of quartz. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 76	1 (30)	100 (100)	8					
					6					
					7					
					8					
60		56.9 ft - 61.9 ft, Light- greenish-gray to pale-green Phyllite, with layers of quartz. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 76	2 (60)	100 (100)	6					
					6					
					7					
65					6					
					7					
					9					
		Hole stopped @ 61.9 ft								
		Remarks: 1. Hole collapsed at 15.1 ft.								

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