



BORING LOG

WEATHERSFIELD
STP 0146(16)
VT-131 BR-15

Boring No.: **B-101**
Page No.: 1 of 2
Pin No.: 00C266
Checked By: MLM

Boring Crew: DAIGNEAULT, NIETO, HOOK
Date Started: 5/21/14 Date Finished: 5/21/14
VTSPG NAD83: N 332786.72 ft E 1652145.06 ft
Station: 41+64 Offset: -13.00
Ground Elevation: 803.9 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 SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
05/21/14	7.1	After 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 - 1.24 ft								
2.5		Field Note: No Recovery, Roller coned and cleaned out casing.				11-12-9-13 (21)				
		A-2-4, SiSaGr, Lt/brn, Moist, Rec. = 0.6 ft, Roller coned and cleaned out casing.				10-9-33-R@2.5" (42)	11.4	41.5	32.5	26.0
5.0		A-1-b, SiSaGr, Dk/brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				22-34-33-R@5.0" (67)	11.9	51.2	27.6	21.2
		Field Note: Roller coned and cleaned out casing.								
7.5		Field Note: No Recovery				R@5.0" (R)				
		Field Note: NXDC								
10.0		A-2-4, GrSiSa, Dk/brn-gry, Moist, Rec. = 1.0 ft, NXDC and cleaned out casing.				14-16-23-31 (39)	12.8	28.3	36.3	35.4
12.5		A-2-4, SiSaGr, gry-Dk/brn, Moist, Rec. = 1.0 ft, NXDC and cleaned out casing. Lab Note: Broken Rock was within sample.				32-28-25-R@1.0" (53)	11.8	38.1	33.5	28.4
15.0		A-2-4, SiSaGr, gry, Moist, Rec. = 1.4 ft, NXDC and cleaned out casing. Lab Note: Broken Rock was within sample.				15-13-19-14 (32)	14.9	37.1	31.8	31.1
17.5		A-4, GrSaSi, gry, Moist, Rec. = 1.2 ft, NXDC and cleaned out casing. Lab Note: Broken Rock was within sample.				13-8-7-6 (15)	14.5	26.6	36.4	37.0
20.0		A-2-4, SiGrSa, gry, Moist, Rec. = 0.8 ft, NXDC and cleaned out casing. Lab Note: Broken Rock was within sample.				3-3-4-10 (7)	14.6	34.6	36.3	29.1
		A-4, GrSiSa, gry-tan, Moist, Rec. = 0.8 ft				8-24-17-8 (41)	16.9	25.0	39.1	35.9
22.5		Field Note: NXDC								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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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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I.D.: 4 in 1.5 in
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Hammer Fall: N.A. 30 In.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
05/21/14	7.1	After 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 %
27.5		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				9-7-41-28 (48)	10.8	36.1	50.9	13.0
		Visual Description: Mostly Broken Rock with silty sand, Dk/gry, Moist Rec. = 0.2 ft					9.5			
30.0		Field Note: NXDC								
		A-1-b, SiGrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				28-R@3.5" (R)	13.9	35.4	42.7	21.9
32.5		Field Note: NXDC								
35.0		A-1-b, SiGrSa, gry, Moist, Rec. = 0.1 ft				R@1.0" (R)	13.1	37.6	40.6	21.8
		35.1 ft - 40.1 ft, Dark-to light-gray, lustrous, carbonaceous chlorite-biotite-muscovite-quartz Phyllite, with thin beds of quartzite. Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 56	1 (40)	94 (66)	5					Top of Bedrock @ 35.1 ft
37.5					8					
					7					
					6					
40.0		40.1 ft - 45.1 ft, Dark-to light-gray, lustrous, carbonaceous chlorite-biotite-muscovite-quartz Phyllite, with thin beds of quartzite. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 63	2 (40)	94 (90)	5					
42.5					7					
					9					
					7					
45.0		Hole stopped @ 45.1 ft								
47.5		Remarks: Hole collapsed at 16.7 ft.								

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BORING LOG 2 WEATHERSFIELD STP 0146(16) GPJ VERMONT AOT.GDT 5/29/14

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BORING LOG

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Boring No.: **B-102**
Page No.: 1 of 2
Pin No.: 00C266
Checked By: MLM

Boring Crew: DAIGNEAULT, JUDKINS
Date Started: 5/22/14 Date Finished: 5/22/14
VTSPG NAD83: N 332782.31 ft E 1652097.56 ft
Station: 41+24 Offset: 12.80
Ground Elevation: 807.3 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 SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
		Not recorded.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate (min/feet)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.21		Asphalt Pavement, 0.0 ft - 1.21 ft								
0.9		Visual Description: GrSa with Asphalt Pavement, Dk/brn, Moist, Rec. = 0.9 ft				13-12-12-15 (24)	11.3			
1.1		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft				7-14-9-6 (23)	11.4	34.5	48.7	16.8
0.9		Visual Description: SaSi with Asphalt Pavement, brn, Moist, Rec. = 0.9 ft				9-8-48-27 (56)	13.8			
0.4		A-4, SaGrSi, brn, Moist, Rec. = 0.4 ft, NXDC. Lab Note: Broken Rock was within sample.				8-4-5-8 (9)	14.0	34.7	27.4	37.9
0.5		A-4, SaSi, Lt/brn, MTW, Rec. = 0.5 ft, NXDC and Cleaned out casing.				6-2-2-2 (4)	18.9	17.3	33.7	49.0
0.2		A-2-4, GrSiSa, Lt/brn, MTW, Rec. = 0.2 ft, NXDC and Cleaned out casing.				4-3-2-4 (5)	17.2	24.2	43.5	32.3
0.4		A-1-b, SaGr, brn, MTW, Rec. = 0.4 ft, NXDC. Lab Note: Broken Rock was within sample.				9-3-3-5 (6)	14.4	54.7	28.0	17.3
0.9		A-2-4, SiSaGr, brn, MTW, Rec. = 0.9 ft, NXDC. Lab Note: Broken Rock was within sample.				6-5-6-6 (11)	16.6	37.3	33.7	29.0
0.6		A-2-4, SiSaGr, brn-gry, MTW, Rec. = 0.6 ft, NXDC. Lab Note: Broken Rock was within sample.				5-11-7-7 (18)	19.7	44.0	30.2	25.8
0.1		Visual Description: SaGr, brn-gry, MTW, Rec. = 0.1 ft, Insufficient sample for testing.				5-3-8-4 (11)	30.5			
		Field Note: NXDC and Cleaned out casing.								

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Date	Depth (ft)	Notes
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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate (min/feet)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 27.5		Field Note: No Recovery, Appears to be silty sand in water return.				4-1-2-1 (3)				
30.0		Field Note: NXDC and Cleaned out casing.								
0.5		Lab Note: Sample was mostly fractured rock pieces, Dk/gry, Wet, Rec. = 0.5 ft				35-R @ 2.5" (R)	46.0	42.7	38.9	18.4
30.7		30.7 ft - 35.7 ft, Dark-to light-gray, lustrous, carbonaceous chlorite-biotite-muscovite-quartz Phyllite, with thin beds of quartzite. Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 51	1 (40)	94 (38)	4					
35.7		35.7 ft - 40.7 ft, Dark-to light-gray, lustrous, carbonaceous chlorite-biotite-muscovite-quartz Phyllite, with thin beds of quartzite. Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 51	2 (40)	100 (34)	4					
40.7		Hole stopped @ 40.7 ft								
42.5		Remarks: Hole collapsed at 7.2 ft.								

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