



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

BORING LOG

WOODFORD
 NH 010-1(47)
 VT-9 BR-12

Boring No.: **B-101**

Page No.: 1 of 1

Pin No.: 12B402

Checked By: TDE

Boring Crew: DAIGNEAULT, JUDKINS
 Date Started: 10/16/13 Date Finished: 10/17/13
 VTSPG NAD83: N 139374.95 ft E 1475038.79 ft
 Station: 21+55 Offset: 21.40
 Ground Elevation: 1421.3 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_s = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
10/17/13	4.4	AM, Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SiSa, brn, Moist, Rec. = 0.8 ft	3-7-11-R (18)	12.3	18.8	42.8	38.4
		Field Note:, NXDC, Cleaned out casing					
5		A-2-4, SiSaGr, brn, Moist, Rec. = 0.5 ft, Broken Rock was within sample.	26-37 (R@1.0")	9.0	38.8	33.3	27.9
		Field Note:, NXDC, Cleaned out casing					
10		A-4, GrSaSi, brn, Moist, Rec. = 0.6 ft	17-47 (R@2.5")	13.2	21.7	37.3	41.0
		Visual Description:, Broken white rock with sand & silt, white, Moist, Rec. = 0.2 ft		7.9			
		A-4, GrSaSi, brn, Moist, Rec. = 0.8 ft, Broken Rock was within sample.	23-28 (R@3.5")	9.4	29.9	31.5	38.6
15		A-4, GrSaSi, brn, MTW, Rec. = 0.7 ft, Broken Rock was within sample.	10-10-43-15 (53)	10.8	27.9	35.1	37.0
		A-4, GrSaSi, brn, Moist, Rec. = 0.4 ft, Broken Rock was within sample.	25-21-27-24 (48)	11.1	27.7	33.9	38.4
		Field Note:, No Recovery	27-45-26-R (71)				
20		A-4, SaGrSi, brn, Moist, Rec. = 0.8 ft, Broken Rock was within sample.	11-15-14-R (29)	11.2	33.1	29.3	37.6
		Field Note:, No Recovery					
		Field Note:, NXDC, Cleaned out casing	(R@0.0")				
25		A-4, GrSaSi, brn, Moist, Rec. = 1.1 ft, Broken Rock was within sample.	11-8-8-17 (16)	11.5	27.5	33.1	39.4
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft, Broken Rock was within sample.	8-24-37-R (61)	11.0	32.8	34.9	32.3
		Visual Description:, Broken Rock with sand & silt, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.		9.3			
30		Visual Description:, Broken Rock with sand & silt, brn, Moist, Rec. = 0.5 ft, Insufficient sample for testing.	35-46 (R@2.5")	7.5			
		Field Note:, No Recovery					
		Field Note:, NXDC, Cleaned out casing	(R@3.5")				
35		A-2-4, GrSiSa, brn, Moist, Rec. = 0.6 ft, Broken Rock was within sample.	28 (R@3.5")	10.1	29.2	35.4	35.4
		Field Note:, NXDC, Cleaned out casing					
40		A-2-4, GrSiSa, brn, Moist, Rec. = 0.4 ft, Broken Rock was within sample.	34 (R@3.5")	10.0	30.6	36.8	32.6
		Hole stopped @ 40.8 ft Hole collapsed at 4.4 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_s 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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NH 010-1(47)
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Boring No.: C-1
 Page No.: 1 of 1
 Pin No.: 12B402
 Checked By: TDE

Boring Crew: DAIGNEAULT, JUDKINS
 Date Started: 10/16/13 Date Finished: 10/16/13
 VTSPG NAD83: N 139569.59 ft E 1475181.26 ft
 Station: 15+47 Offset: -18.60
 Ground Elevation: 1409.1 ft

Type: _____
 I.D.: _____
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C SKID C_a = 1.33

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 - 0.72 ft					
2.5		A-1-a, SaGr, brn, Moist, Rec. = 1.1 ft	32-30-43-51	6.4	69.1	21.7	9.2
5.0		A-1-a, Gr, brn, Moist, Rec. = 1.0 ft	49-89-46-67	5.8	73.3	19.0	7.7
5.0	Hole stopped @ 5.0 ft						
7.5	Remarks: 1. Driller's used a 3.0 inch split spoon sampler.						
10.0							
12.5							
15.0							
17.5							

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WOODFORD
NH 010-1(47)
VT-9 BR-12

Boring No.: C-2
 Page No.: 1 of 1
 Pin No.: 12B402
 Checked By: TDE

Boring Crew: DAIGNEAULT, JUDKINS
 Date Started: 10/16/13 Date Finished: 10/16/13
 VTSPG NAD83: N 139566.16 ft E 1475193.33 ft
 Station: 15+47 Offset: -6.10
 Ground Elevation: 1409.6 ft

Casing _____ Sampler _____
 Type: _____ SS _____
 I.D.: _____ 3 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
		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 - 0.64 ft					
2.5		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft	32-41-65-32	5.5	61.3	26.5	12.2
5.0		A-1-a, Gr, brn, Moist, Rec. = 1.1 ft	65-51-115-49	5.8	73.6	18.1	8.3
		Hole stopped @ 5.0 ft					
		Remarks: 1. Driller's used a 3.0 inch split spoon sampler.					

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WOODFORD
NH 010-1(47)
VT-9 BR-12

Boring No.: **C-3**
 Page No.: 1 of 1
 Pin No.: 12B402
 Checked By: TDE

Boring Crew: WHITLOCK, DAIGNEAULT, JUDKINS
 Date Started: 10/16/13 Date Finished: 10/16/13
 VTSPG NAD83: N 139562.73 ft E 1475205.40 ft
 Station: 15+47 Offset: 6.50
 Ground Elevation: 1409.8 ft

Casing Sampler
 Type: SS
 I.D.: 3 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C SKID C_s = 1.33

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 - 0.71 ft					
2.5		A-1-a, Gr, brn, Moist, Rec. = 1.5 ft	22-42-53-49	3.3	74.3	18.5	7.2
		A-1-a, Gr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	127-300	5.0	75.1	17.3	7.6
5.0		Hole stopped @ 3.7 ft TLOB, CNPF					
		Remarks: 1. Driller's used a 3.0 inch split spoon sampler.					
7.5							
10.0							
12.5							
15.0							
17.5							

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NH 010-1(47)
VT-9 BR-12

Boring No.: C-4
 Page No.: 1 of 1
 Pin No.: 12B402
 Checked By: TDE

Boring Crew: WHITLOCK, DAIGNEAULT, JUDKINS
 Date Started: 10/16/13 Date Finished: 10/16/13
 VTSPG NAD83: N 139559.43 ft E 1475217.02 ft
 Station: 15+47 Offset: 18.60
 Ground Elevation: 1409.9 ft

Casing Sampler
 Type: SS
 I.D.: 3 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
		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 - 0.65 ft					
		A-1-a, SaGr, brn, Moist, Rec. = 1.1 ft	35-57-300	4.2	72.6	21.9	5.5
2.5		Field Note: No Recovery	300				
		Hole stopped @ 2.6 ft TLOB, CNPF					
		Remarks: 1. Driller's used a 3.0 inch split spoon sampler.					
5.0							
7.5							
10.0							
12.5							
15.0							
17.5							

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