



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

RUTLAND TOWN
NH WALL(3)
US-4

Boring No.: **B-101**

Page No.: 1 of 1

Pin No.: 15B033

Checked By: END

Boring Crew: GARROW, NIETO
Date Started: 6/11/15 Date Finished: 6/18/15
VTSPG NAD83: N 411358.57 ft E 1521995.62 ft
Station: 28+90 Offset: 28.90
Ground Elevation: 721.25 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
06/18/15	3.5	After drilling.
06/18/15	6.0	Casing removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, SiGr, Dk/brn, Moist, Rec. = 0.3 ft, Lab Note: Sticks & roots were within sample.	WH-1-2-2 (3)	16.7	17.0	58.2	24.8
		A-1-b, SiGrSa, Lt/brn, Moist, Rec. = 0.9 ft	3-3-3-5 (6)	10.2	30.1	48.9	21.0
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.6 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	7-15-9-10 (24)	8.9	40.5	42.2	17.3
		A-1-b, SiSaGr, Lt/brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.	R@5.0" (R)	9.3	46.5	31.3	22.2
		Field Note:, NXDC, Cleaned out casing					
		Field Note:, NXDC, Boulder					
10		A-1-a, SaGr, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Lots of Broken Rock was within sample.	14-17-22-28 (39)	9.2	71.9	23.4	4.7
		A-4, GrSaSi, Lt/brn, Moist, Rec. = 1.7 ft, Lab Note: Broken Rock was within sample.	9-16-24-27 (40)	13.4	26.4	32.2	41.4
15		A-1-b, SiSaGr, Lt/brn, Moist, Rec. = 0.1 ft	R@1.0" (R)	8.2	54.9	23.7	21.4
		Field Note:, NXDC, Cleaned out casing					
20		A-1-a, Gr, Lt/brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.	R@6.0" (R)	8.5	72.6	12.7	14.7
		Field Note:, NXDC, Cleaned out casing					
25		A-4, Si, Lt/brn, Moist, Rec. = 1.2 ft	20-32-R@1.0" (R)	19.7	19.9	19.2	60.9
30		A-4, Si, Lt/brn, Moist, Rec. = 1.6 ft	15-22-39-R@1.0" (61)	24.0	0.2	19.3	80.5
Hole stopped @ 31.6 ft							
35		Remarks: Hole collapsed at 18.3 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 RUTLAND TOWN NH WALL(3).GPJ VERMONT AOT.GDT 8/3/15



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Boring No.: **B-102**

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Pin No.: 15B033

Checked By: END

Boring Crew: GARROW, HOOK
Date Started: 6/19/15 Date Finished: 6/19/15
VTSPG NAD83: N 411405.29 ft E 1522028.07 ft
Station: 29+47 Offset: 22.70
Ground Elevation: 724.46 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_r = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
06/19/15	5.0	While drilling.
06/19/15	7.3	Casing removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.95 ft					
		A-1-b, SaGr, white-brn, Moist, Rec. = 0.6 ft	4-6-5-26 (11)	10.2	46.7	42.3	11.0
		Field Note:, No Recovery	R@1.0"				
5		Field Note:, NXDC, Boulder					
		Visual Description:, Broken Rock with sand, brn, Moist, Rec. = 0.4 ft	2-29-12-R@2.5" (41)	8.3			
		Field Note:, NXDC, Cobbles					
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft	38-25-R@3.5" (R)	15.9	35.5	50.9	13.6
		Field Note:, NXDC, Cobbles					
10		A-1-b, SaGr, brn, MTW, Rec. = 0.4 ft, Lab Note: Lots of Broken Rock (Cobbles) were within sample.	17-24-11-5 (35)	22.4	48.0	39.8	12.2
		A-1-b, GrSa, brn, MTW, Rec. = 0.1 ft, NXDC, Cleaned out casing.	16-24-18-15 (42)	12.6	32.0	49.7	18.3
15		A-4, SaSi, brn, MTW, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.	9-17-25-25 (42)	22.3	5.3	39.3	55.4
20		Field Note:, NXDC, Boulder					
		Field Note:, NXDC, Boulder					
25		A-4, SaSi, brn, Moist, Rec. = 0.6 ft	30-R@5.0" (R)	17.3	6.8	36.9	56.3
30		A-4, SiSa, brn, Moist, Rec. = 0.9 ft	10-12-22-28 (34)	17.7	4.3	59.8	35.9
		Hole stopped @ 32.0 ft					
35		Remarks: Hole collapsed at 12.0 ft.					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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BORING LOG 2 RUTLAND TOWN NH WALL(3).GPJ VERMONT AOT.GDT 8/3/15



Boring Crew: GARROW, HULBERT

Date Started: 6/23/15 Date Finished: 6/23/15

VTSPG NAD83: N 411457.98 ft E 1522075.04 ft

Station: 30+16 Offset: 22.70

Ground Elevation: 728.67 ft

Type:	Casing	Sampler
I.D.:	WB	SS
Hammer Wt:	4 in	1.5 in
Hammer Fall:	N.A.	140 lb.
Hammer/Rod Type:	N.A.	30 in.
Rig:	Auto/AWJ	
	CME 45C SKID	C _r = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
06/23/15	8.8	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.0 ft					
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft	10-12-14-16 (26)	8.6	33.3	51.7	15.0
5		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft, NXDC, Cleaned out casing.	8-6-2-1 (8)	17.4	29.6	46.1	24.3
		Field Note: NXMDC, Boulder, Switched to 3.0 inch casing.					
		Field Note: No Recovery	1-3-1-1 (4)				
10		Field Note: NXMDC, Cobbles	R@0.0" (R)				
		Field Note: No Recovery, NXMDC, Cleaned out casing.	R@2.5" (R)				
		Field Note: NXMDC, Cleaned out casing., Appears to be Gravelly sand.					
15		A-4, SiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	24-19-10-19 (29)	18.2	17.5	42.1	40.4
20		Field Note: No Recovery	R@5.0" (R)				
25		A-2-4, SaSiGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Lots of Broken Rock was within sample.	R@2.5" (R)	11.4	42.5	28.3	29.2
30		A-1-b, SiSaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.	47-R@1.0" (R)	10.1	40.5	36.8	22.7
		Hole stopped @ 30.6 ft					
35		Remarks: Hole collapsed at 6.0 ft.					

Notes:

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