



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

BORING LOG

RUTLAND-KILLINGTON  
ER NH 020-2(36)  
US-4

Boring No.: **B-101**

Page No.: 1 of 1

Pin No.: 13B190

Checked By: END

Boring Crew: GARROW, NIETO, HULBERT  
Date Started: 6/02/15 Date Finished: 6/02/15  
VTSPG NAD83: N 408838.93 ft E 1571569.16 ft  
Station: B 364+54.3 Offset: 21.50  
Ground Elevation: 1168.48 ft

Casing: 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<sub>r</sub> = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
06/02/15	13.3	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.68		Asphalt pavement, 0.0 ft - 0.68 ft					
2.5		A-1-b, SaGr, brn-Lt/brn, Moist, Rec. = 1.3 ft, NXDC, Cleaned out casing. Appears to be Cobbles. Lab Note: Broken Rock was within sample.	9-14-13-12 (27)	10.0	43.5	41.5	15.0
5.0		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, NXDC, Cleaned out casing. Appears to be Cobbles. Lab Note: Broken Rock was within sample.	6-7-11-20 (18)	11.2	47.7	36.8	15.5
7.5		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	11-9-7-11 (16)	13.0	47.7	33.5	18.8
7.5		Field Note:, No Recovery, NXDC, Cleaned out casing.	18-21-21-22 (42)				
10.0		A-1-b, SaGr, Lt/brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	26-21-23-26 (44)	9.7	52.5	32.3	15.2
12.5							
15.0		Field Note:, NXDC, Cleaned out casing., Appears to be gravelly sand.					
15.0		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	15-15-15-15 (30)	11.5	49.0	34.9	16.1
17.5		Hole stopped @ 17.0 ft					
20.0		Remarks: Hole collapsed at 12.8 ft.					
22.5							

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<sub>r</sub> 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-KILLINGTON NH 020-2(36).GPJ VERMONT AOT.GDT 6/26/15



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BORING LOG

RUTLAND-KILLINGTON  
ER NH 020-2(36)  
US-4

Boring No.: B-102  
Page No.: 1 of 1  
Pin No.: 13B190  
Checked By: END

Boring Crew: DIAGNEAULT, HOOK, NIETO  
Date Started: 5/08/15 Date Finished: 5/08/15  
VTSPG NAD83: N 408829.33 ft E 1571628.85 ft  
Station: B 364+69.8 Offset: -41.20  
Ground Elevation: 1167.04 ft

Casing WB Sampler SS  
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<sub>r</sub> = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
05/08/15	8.9	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		A-1-b, SaGr, Lt/brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.	4-13-9-10 (22)	4.7	50.0	35.0	15.0
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	5-3-10-22 (13)	12.5	38.1	43.1	18.8
5.0		Lab Note, Mostly Broken Rock with sand, Lt/brn, Moist, Rec. = 0.3 ft, NXDC, Cleaned out casing.	18-14-14-19 (28)	3.1	62.3	26.1	11.6
7.5		A-1-b, SaGr, Lt/brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.	18-17-14-11 (31)	13.4	53.3	30.3	16.4
10.0		A-1-b, SaGr, Lt/brn, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.	16-9-9-12 (18)	12.2	44.6	41.6	13.8
12.5		A-1-a, SaGr, Lt/brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	13-14-18-22 (32)	11.4	57.2	28.1	14.7
		Field Note:, NXDC, Cleaned out casing.					
15.0		A-1-a, SaGr, Lt/brn-gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	10-10-12-11 (22)	10.7	60.3	26.6	13.1
15.0	Hole stopped @ 15.0 ft						
17.5	Remarks: Hole collapsed at 8.2 ft.						
20.0							
22.5							

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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