



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

BORING LOG

ROCHESTER  
BRF 0162(16)  
VT-73 BR-15

Boring No.: B-104

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Pin No.: 10C418

Checked By: NSM

Boring Crew: SALISBURY, GARROW  
Date Started: 4/12/12 Date Finished: 4/16/12  
VTSPG NAD83: N 495555.70 ft E 1542284.34 ft  
Station: 4+30.24 Offset: 18.71  
Ground Elevation: 1000.2 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 TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
04/16/12	7.8	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, NXDC Field Note:, NXDC, Cobbles				2-3-17-5 (20)	15.3	39.3	44.9	15.8
		SaGr, grn, Moist, Rec. = 0.6 ft, 3.0 ft - 3.8 ft, Lots of Broken Weathered Rock. Field Note:, NXDC, Boulders & Cobbles, Very hard rock. Had to change bit.				10-R@3.5"	8.5	62.1	24.4	13.5
		Field Note:, NXDC, Cobbles								
10		Visual Description:, Wood with sandy gravel, blk, Moist, Rec. = 0.3 ft				8-R@2.5"				
		Field Note:, NXMDC, Concrete, Possible spread footing.								
15		Field Note:, NXDC, Sand				7-13-16-16 (29)	12.3	42.0	44.0	14.0
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft, Broken Rock was within sample. NXDC.								
20		A-4, Si, brn, Moist				5-4-4-6 (8)	34.1	2.5	1.7	95.8
		A-4, Si, gry, Moist, Rec. = 0.8 ft, A very thin layer of clay was noticeable, but the total sample was non-plastic. Rec. = 1.2 ft				7-5-5-8 (10)				
25		SaGr, grn-brn, Moist, Rec. = 1.2 ft, 24.0 ft - 26.0 ft, Lots of Broken and some Weathered Rock. NXDC.				8-12-10-14 (22)	11.2	60.3	26.8	12.9
		Field Note:, NXDC, Cobbles								
30		SaGr, grn-brn, Moist, Rec. = 1.0 ft, 29.0 ft - 31.0 ft, Lots of Broken and some Weathered Rock. NXDC.				18-30-18-35 (48)	10.5	50.5	30.8	18.7
		Lab Note, Boulder								
35		32.0 ft - 36.0 ft, Light-greenish-gray to pale-green, chlorite-muscovite-quartz Schist, with minor beds of quartzite. Moderately hard, Slightly weathered, Poor rock, NXMDC, Closely spaced joints. RMR = 33	1 (65)	97 (12)	2	Top of Bedrock @ 32.0 ft				
		36.0 ft - 41.0 ft, Light-greenish-gray to pale-green, chlorite-muscovite-quartz Schist, with minor beds of quartzite. Moderately hard, Poor rock, NXMDC, Top 0.4' moderately to severely weathered. 38.0' - 38.4' moderately weathered. Remainder of core run unweathered. Closely spaced joints. RMR = 33	2 (65)	56 (8)	3					
40										
45										
		Hole stopped @ 41.0 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. CE is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 ROCHESTER BRF 0162(16).GPJ VERMONT AOT.GDT 4/30/12