



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

BORING LOG

BENNINGTON
 BRF 1000(16)S
 TH-7 BR-57

Boring No.: B-101A

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Pin No.: 88J087

Checked By: NSM

Boring Crew: GARROW, SALISBURY
 Date Started: 11/09/11 Date Finished: 11/09/11
 VTSPG NAD83: N 144021.21 ft E 1452273.94 ft
 Station: 7+86.10 Offset: -24.59
 Ground Elevation: 610.39 ft

Casing Type: WB
 I.D.: 4 in
 Hammer Wt: N.A.
 Hammer Fall: N.A.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C TRACK

Sampler Type: SS
 I.D.: 1.5 in
 Weight: 140 lb.
 Fall: 30 in.
 Type: Auto/AWJ
 CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
11/09/11	1.5	PM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft, Broken rock/ Wood/ & Roots were within sample. Field Note: NXDC, Cobbles & Boulders				R@3.5"	21.0	32.0	57.3	10.7
10		A-2-4, SaSiGr (Till), gry, Moist, Rec. = 1.3 ft, Roller coned ahead.				5-14-15-25 (29)	7.9	49.4	24.4	26.2
15		A-1-b, SaGr (Till), gry, Moist, Rec. = 1.3 ft				11-15-R@6.0"	9.4	61.6	20.7	17.7
15		14.5 ft - 19.5 ft, Light gray to dark gray, Meta-Limestone, Moderately hard, Very slightly weathered, Good rock, NXMDC, Weathered surface is light orange in color. RMR = 67	1 (65)	82 (72)	7	Top of Bedrock @ 14.5 ft				
20		19.5 ft - 24.5 ft, Dark gray, Meta-Limestone, Moderately hard, Very slightly weathered, Fair rock, NXMDC, Orange staining on weathered surfaces. RMR = 49	2 (65)	100 (44)	4					
25		Hole stopped @ 24.5 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 BENNINGTON BRF 1000(16)S.GPJ VERMONT AOT.GDT 5/2/12