



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

BORING LOG

Chester
BF 0134(50)
VT 11 Culv. 51

Boring No.: **B-104**

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Pin No.: 16b069

Checked By: MLM

Boring Crew: Emerson, Garrow, Gomes

Date Started: 9/09/16 Date Finished: 9/12/16

VTSPG NAD83: N 282715.23 ft E 1622088.96 ft

Station: 359+30 Offset: 25.00

Ground Elevation: 713.9 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 55 TRACKER

Groundwater Observations		
Date	Depth (ft)	Notes
09/12/16	12.4	W.T. before drilling

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 %	Groundwater Observations	
											Date	Depth (ft)
5		A-2-4, Sa, brn, Dry, Rec. = 0.2 ft, Lab Note: Plant roots were within sample				1-1-1-2 (2)	10.9	14.5	73.9	11.6		
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.0 ft				3-4-1-2 (5)	8.0	27.0	44.9	28.1		
		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft Field Note: NXDC, cleaned out casing				2-2-3-10 (5)	9.0	19.4	47.4	33.2		
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft Field Note: NXDC, cleaned out casing Field Note: No Recovery				3-4-4-3 (8)	11.9	35.7	46.4	17.9		
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft Field Note: NXDC, cleaned out casing				4-3-3-4 (6)						
15		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample Field Note: NXDC, cleaned out casing				5-6-4-5 (10)	11.3	41.4	50.6	8.0		
		A-1-b, SaGr, gry, Moist, Rec. = 0.5 ft Field Note: NXDC, cleaned out casing, Cobbles				4-11-14-9 (25)	10.8	56.8	30.1	13.1		
		A-4, SaSi, gry, Moist, Rec. = 1.6 ft, Lab Note: Some clay was within sample. Sample tested non-plastic Field Note: NXDC, cleaned out casing				8-23-R@1" (R)	8.4	51.6	33.8	14.6		
		A-4, SaSi, gry, Moist, Rec. = 1.8 ft, Lab Note: A small amount of clay was within sample. Sample tested non-plastic. Field Note: NXDC, cleaned out casing				8-18-19-20 (37)	12.4	16.6	34.3	49.1		
25		24.0 ft - 29.0 ft, White/gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown/tan staining along joints. Hard, Very slightly weathered, Good rock, NX, RMR=66	1 (40)	80 (90)	3							Top of Bedrock @ 24.0 ft
		29.0 ft - 34.0 ft, White/gray, Biotite-muscovite-quartz-plagioclase GNEISS, with vertical brown/tan stained joints from 32.1 feet to 32.4 feet. Moderately hard, Slightly weathered, Fair rock, NX, RMR=54	2 (50)	100 (52)	2							
35		Hole stopped @ 34.0 ft										
		Remarks: Hole collapsed at 6.7 feet.										

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 <<SUB>><<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.