



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

BORING LOG

DUXBURY
BF 013-4(47)
VT 100 Br. #193

Boring No.: **B-104B**
 Page No.: **1 of 1**
 Pin No.: **16b001**
 Checked By: **MLM**

Boring Crew: JUDKINS, NIETO
 Date Started: 4/20/16 Date Finished: 4/21/16
 VTSPG NAD83: N 664039.17 ft E 1572946.47 ft
 Station: 20+71.4 Offset: 8.50
 Ground Elevation: 510.6 ft

Casing Sampler
 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 TRACK C_c = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes

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 %
0 - 0.95		Asphalt pavement, 0.0 ft - 0.95 ft								
20 - 22.5		A-1-b, SiSaGr, gry, Moist, Rec. = 1.2 ft, Lab Note: A lot of broken and weathered rock was within sample.				2-3-39-R@3.5" (42)	17.0	44.2	32.1	23.7
22.5 - 24.05		Field Note: NXDC, Cleaned out casing				R@5.0" (R)	13.9	38.2	40.8	21.0
24.05 - 27.5		A-1-b, SiGrSa, gry, Moist, Rec. = 0.4 ft, Lab Note: A lot of broken and weathered rock was within sample. 22.5 ft - 27.5 ft, Dark gray to black, Vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Rust staining and minor calcification along joints. Calcification noted in vugs. Seam/void noted at 23.7 feet to 24.05 feet. Hard, Slightly weathered, Poor rock, NX, RMR=27	1 (78-80)	94 (0)	3 3 3 4 5					
27.5 - 32.5		27.5 ft - 32.5 ft, Dark gray to black, Vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Rust and brown staining along joints. Calcification noted in vugs. Hard, Slightly weathered, Poor rock, NX, RMR=36	2 (75-80)	94 (12)	4 6 6 6 7					
32.5	Hole stopped @ 32.5 ft									
35		Remarks: Top of Bedrock at 22.5 feet. Hole collapsed at 18.9 feet.								

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_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.