



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

BORING LOG

Johnson
BF 0248(7)
Bridge #4 VT 100C

Boring No.: **B-103**
Page No.: 1 of 1
Pin No.: 12c590
Checked By: **END**

Boring Crew: Hook, Judkins, Nieto
Date Started: 2/22/16 Date Finished: 2/29/16
VTSPG NAD83: N 788426.63 ft E 1609199.91 ft
Station: 185+45.6 Offset: 12.00
Ground Elevation: 858.1 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 C_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
02/23/16	5.8	W.T. after drilling
02/29/16	17.1	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 %
		Asphalt Pavement, 0.0 ft - 0.5 ft, Depth Unknown								
		A-1-a, SaGr, brn-blk, Moist, Rec. = 0.8 ft				44-R@3.5" (R)	10.8	56.9	38.0	5.1
5		NXDC, Cleaned out casing, 4.1 ft - 5.0 ft								
		A-2-4, Sa, brn, Moist, Rec. = 0.6 ft				5-3-3-3 (6)	15.8	16.2	72.0	11.8
10		NXDC, Cleaned out casing, 9.0 ft - 10.0 ft								
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.6 ft				4-3-3-3 (6)	14.7	41.8	47.2	11.0
15		NXDC, Cleaned out casing, 14.0 ft - 15.0 ft								
		A-2-4, GrSiSa, Lt/brn-Lt/gry, Moist, Rec. = 1.2 ft				9-12-14-20 (26)	14.5	28.2	42.6	29.2
20		NXDC, Cleaned out casing, 18.8 ft - 20.0 ft								
		A-2-4, SiSa, gry, Moist, Rec. = 0.3 ft				R@3.5" (R)	14.1	19.8	49.5	30.7
		20.3 ft - 25.3 ft, Dark gray to black, Graphitic pyrite bearing PHYLLITE, with quartz laminae. Smooth joint surfaces with rust and orange staining.. Hard, Very slightly weathered, Fair rock, NX, RMR=49	1 (75-80)	93 (53)	7					
					6					
					6					
					9					
					9					
25		25.3 ft - 30.3 ft, Dark gray to black, Graphitic pyrite bearing PHYLLITE, with quartz laminae. Rare calcite along quartz laminae. Smooth clean joints.. Hard, Unweathered, Good rock, NX, RMR=65	2 (75-80)	88 (100)	11					
					10					
					9					
					9					
					10					
30		Hole stopped @ 30.3 ft								
		Remarks: Hole collapsed at 3.0 feet. Top of Bedrock 20.3 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 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 JOHNSON BF 0248(7).GPJ VERMONT AOT.GDT 3/14/16