



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

BORING LOG

Springfield
BF 0134(43)
VT 11 Culvert 57

Boring No.: B-102
Page No.: 1 of 1
Pin No.: 13c334
Checked By: END

Boring Crew: Judkins, Gomes
Date Started: 7/26/16 Date Finished: 7/27/16
VTSPG NAD83: N 291911.84 ft E 1637938.37 ft
Station: 327+44.37 Offset: -12.45
Ground Elevation: 569.9 ft

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 SKT<SUB><<SUB>> = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
07/27/16	12.1	W.T. after drilling
07/27/16	17.0	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, brn, Moist, 0.0 ft - 0.58 ft								
		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft				10-15-18-8 (33)	9.0	31.9	53.4	14.7
		Field Note:, NXDC, Cleaned out casing				8-11-14-14 (25)	10.0	10.9	60.6	28.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft				24-18-14-12 (32)	7.6	36.1	49.6	14.3
		Field Note:, NXDC, Cleaned out casing				9-9-10-5 (19)	9.0	25.2	59.0	15.8
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft				3-3-2-2 (5)	25.0	8.2	39.6	52.2
		Field Note:, Rollercone, Cleaned out casing				3-3-2-7 (5)	19.2	14.8	53.8	31.4
		A-2-4, GrSa, brn, Moist, Rec. = 1.0 ft				7-5-3-4 (8)	17.4	21.7	60.6	17.7
		A-4, SaSi, brn, Moist, Rec. = 0.9 ft				3-5-14-15 (19)	11.9	33.9	54.2	11.9
		Field Note:, Rollercone, Cleaned out casing				15-12-18-12 (30)	14.0	32.5	51.9	15.6
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.7 ft				9-12-26-25 (38)	13.7	31.4	42.5	26.1
		Field Note:, NXDC, Cleaned out casing								
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample				15-20-20-R@2.5" (40)	16.2	16.8	52.8	30.4
		Field Note:, NXDC, Cleaned out casing								
		A-2-4, GrSa, gry, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample				R@5" (R)	15.8	34.8	48.3	16.9
		Field Note:, NXDC, Cleaned out casing								
		Field Note:, No Recovery				R@3.5 (R)				
		Field Note:, NXDC, Cleaned out casing								
		A-1-b, SaGr, gry, Moist, Rec. = 0.3 ft, Lab Note: Broken rock was within sample				R@5" (R)	7.6	58.9	22.8	18.3
		42.0 ft - 47.0 ft, Gray to white, Muscovite-biotite-plagioclase-quartz granitic GNEISS, Rust and brown staining along joints. Hard, Slightly weathered, Fair rock, NX, RMR=47	1 (65)	80 (18)	5 3 3 2 2					
		Hole stopped @ 47.0 ft								
		Remarks: Hole collapsed at 14.4 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.