



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

**BORING LOG**

**Morristown  
 STPHES030-2(28)  
 Culvert VT-15**

Boring No.: **B-201**

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Pin No.: 12b014

Checked By: **END**

Boring Crew: Emerson, Judkins, Olden  
 Date Started: 4/13/17 Date Finished: 4/13/17  
 VTSPG NAD83: N 753059.61 ft E 1623656.21 ft  
 Station: 209+79.20 Offset: -13.80  
 Ground Elevation: 692.2 ft

Casing WB Sampler SS  
 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 45C SKID CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
04/13/17	7.4	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Grass, grass roots, and asphalt pavement was within sample.	2-5-5-6 (10)	8.4	41.3	49.7	9.0
		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken rock was within sample.	7-7-12-10 (19)	7.4	48.7	36.8	14.5
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample.	9-10-20-12 (30)	10.7	54.0	26.3	19.7
10		Field Note:, NXDC, Cleaned out casing	4-1-4-46 (5)	23.5	15.1	49.2	35.7
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft					
		Field Note:, NXDC, Cleaned out casing	21-7-7-9 (14)	9.4	56.3	33.2	10.5
15		Field Note:, NXDC, Cleaned out casing	12-19-13-16 (32)				
		A-4, SiSa, brn, Moist, Rec. = 0.4 ft					
		Field Note:, NXDC, Cleaned out casing	15-15-11-12 (26)	12.0	6.3	55.1	38.6
20		Field Note:, NXDC, Cleaned out casing	9-10-10-12 (20)	13.1	13.2	49.4	37.4
		A-4, SiSa, brn, Moist, Rec. = 1.3 ft					
25		Hole stopped @ 22.0 ft					
		Remarks: Hole collapsed at 9.4 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.



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BORING LOG

Morristown  
 STPHES030-2(28)  
 Culvert VT-15

Boring No.: B-202

Page No.: 1 of 1

Pin No.: 12b014

Checked By: END

Boring Crew: Garrow, Judkins, Emerson

Date Started: 4/14/17 Date Finished: 4/14/17

VTSPG NAD83: N 753013.17 ft E 1623646.79 ft

Station: 209+69.79 Offset: 32.60

Ground Elevation: 690.5 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 45C SKID CE = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
04/14/17	5.2	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Decomposing plant material was within sample.	WH-2-10-10 (12)	20.8	29.1	41.2	29.7
		A-4, SiSa, brn, Moist, Rec. = 1.6 ft	8-8-9-12 (17)	23.7	15.0	46.9	38.1
5		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Sticks and twigs were within sample.	6-3-4-3 (7)	20.1	22.5	46.7	30.8
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft	3-4-7-8 (11)	14.6	34.4	44.0	21.6
		Field Note:, NXDC, Cleaned out casing					
		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken and weathered rock was within sample.	14-23-22-18 (45)	11.2	40.3	41.3	18.4
10		Field Note:, No Recovery	9-5-4-5 (9)				
		Field Note:, NXDC, Cleaned out casing					
15		A-4, SaSi, brn, Moist, Rec. = 1.3 ft	8-8-7-8 (15)	14.7	9.9	37.8	52.3
		Field Note:, NXDC, Cleaned out casing					
20		A-4, SaSi, brn, Moist, Rec. = 1.0 ft	10-10-12-14 (22)	15.2	2.8	43.5	53.7
		Field Note:, NXDC, Cleaned out casing					
		Hole stopped @ 22.0 ft					
25		Remarks: Hole collapsed at 10.2 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.