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

BORING LOG

Orange
BF 026-1(45)
US 302 Culvert 18

Boring No.: **B-101**
Page No.: 1 of 1
Pin No.: 15b093
Checked By: ZMH

Boring Crew: Gomes, Judkins, Emerson
Date Started: 7/14/16 Date Finished: 7/26/16
VTSPG NAD83: N 598369.50 ft E 1683159.44 ft
Station: 15+55 Offset: 26.20
Ground Elevation: 1521.8 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	3 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:	Auto/AWJ	
Rig:	Diedrich D-25	<<SUB>><<SUB>> = Unknown

Groundwater Observations

Date	Depth (ft)	Notes
07/26/16	11.1	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, GrSa, blk, Moist, Rec. = 0.9 ft, Lab Note: Grass roots were within sample	1-2-R@3.5" (R)	12.5	27.1	55.8	17.1
		Field Note:, BXDC, Cleaned out casing					
		A-1-a, Gr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample	28-28-13-8 (41)	5.8	81.6	15.0	3.4
		Field Note:, BXDC, Cleaned out casing					
		A-1-b, GrSa, brn, Moist, Rec. = 0.5 ft	5-4-4-3 (8)	11.4	35.9	50.2	13.9
5		Field Note:, Rollercone, Cleaned out casing					
		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft	3-2-3-3 (5)	12.5	29.7	61.6	8.7
		Field Note:, Rollercone, Cleaned out casing					
		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft	4-3-4-3 (7)	14.5	24.1	66.9	9.0
10		Field Note:, Rollercone, Cleaned out casing					
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft	2-4-9-10 (13)	17.6	31.6	56.1	12.3
		Field Note:, Rollercone, Cleaned out casing					
		A-2-4, GrSiSa, gry, Moist, Rec. = 1.1 ft	8-18-15-13 (33)	11.9	26.2	47.4	26.4
15		A-2-4, SiSa, gry, Moist, Rec. = 1.9 ft	10-15-18-18 (33)	9.4	10.1	57.9	32.0
		Field Note:, Rollercone, Cleaned out casing					
20		A-4, SiSa, gry, Moist, Rec. = 1.7 ft	21-10-9-11 (19)	9.2	14.6	49.2	36.2
25		A-4, SiSa, gry, Moist, Rec. = 2.0 ft	8-9-8-10 (17)	9.4	9.6	48.7	41.7
30		A-4, SiSa, gry, Moist, Rec. = 2.0 ft	5-5-6-6 (11)	9.3	11.3	51.0	37.7
		Hole stopped @ 32.0 ft					
35		Remarks: Hole Collapsed at 5.1 feet. 1.) CME 55 track rig used 21-32 feet. CE= 1.41 2.) 10 feet of casing and bit remains in ground at 5-15 feet below the ground surface.					

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.