



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

BORING LOG

Winhall
STP SCRP(14)
Culvert VT-30

Boring No.: **B-103**

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Pin No.: 16d011

Checked By: **END**

Boring Crew: Garrow, Judkins, Emerson
Date Started: 2/28/17 Date Finished: 2/28/17
VTSPG NAD83: N 235217.72 ft E 1541172.75 ft
Station: 14+35.88 Offset: -16.90
Ground Elevation: 1281.3 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
02/28/17	3.8	W.T. during drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, Sa, blk, Moist, Rec. = 1.0 ft, Lab Note: Grass and grass roots were within sample	1-1-1-2 (2)	13.5	15.8	68.0	16.2
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.7 ft	5-2-4-2 (6)	9.9	40.0	39.0	21.0
10		A-4, SiSa, blk, Moist, Rec. = 1.3 ft, Lab Note: Sample contained trace (6.7%) organics (AASHTO T-267)	3-6-2-2 (8)	37.8	17.9	43.9	38.2
		A-1-b, SaGr, blk-brn, Moist, Rec. = 1.2 ft, Lab Note: Broken rock and pieces of decomposing wood were within sample	5-12-15-20 (27)	28.3	49.7	32.3	18.0
15		A-2-4, SiSaGr, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken rock was within sample	38-15-20-21 (35)	11.3	35.4	34.4	30.2
		A-4, GrSaSi, gry, Moist, Rec. = 1.3 ft	17-23-27-23 (50)	14.2	21.1	32.0	46.9
		A-4, SaSi, gry, Moist, Rec. = 1.3 ft	17-26-43-R@1" (69)	10.1	17.3	34.2	48.5
		A-4, GrSaSi, gry, Moist, Rec. = 1.2 ft	33-47-R@2.5" (R)	10.0	20.9	33.4	45.7
20		A-4, SaGrSi, gry, Moist, Rec. = 0.7 ft	36-R@3.5" (R)	8.5	35.5	26.9	37.6
		A-4, SaSi, gry, Moist, Rec. = 1.1 ft	26-44-R@2.5" (R)	10.4	18.1	31.7	50.2
		A-4, GrSaSi, gry, Moist, Rec. = 0.8 ft	34-R@3.5" (R)	9.1	26.8	32.1	41.1
25		A-4, SaSi, gry, Moist, Rec. = 0.4 ft	R@5" (R)	9.4	13.1	33.8	53.1
30		A-4, GrSaSi, gry, Moist, Rec. = 1.1 ft	21-27-R@3.5" (R)	9.5	22.0	29.1	48.9
Hole stopped @ 31.3 ft							
Remarks: Hole collapsed at 7.3 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.