



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

BORING LOG

THETFORD
IM 091-2(81)
I-91

Boring No.: **B-101**
 Page No.: **1 of 1**
 Pin No.: **15D038**
 Checked By: **CEE**

Boring Crew: GARROW, HULBERT, WHITLOCK
 Date Started: 6/24/15 Date Finished: 6/25/15
 VTSPG NAD83: N 471832.18 ft E 1715696.54 ft
 Station: 4376+38.42 Offset: -4.07
 Ground Elevation: 580.55 ft

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: CME 45C SKID C_r = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
06/25/15	9.1	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.32		Asphalt Pavement, 0.0 ft - 0.32 ft					
0.32 - 5.0		A-1-b, SiSaGr, gry, Moist, Rec. = 1.2 ft	9-8-17-15 (25)	6.8	40.6	39.3	20.1
5.0 - 10.0		Field Note:, NXDC, Cleaned out casing A-4, SiSa, gry, Moist, Rec. = 1.4 ft	30-30-36-R@1.0" (66)	11.9	18.0	46.5	35.5
10.0 - 15.0		Field Note:, NXDC, Cleaned out casing A-4, SaGrSi, gry, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.	20-R@5.0" (R)	8.0	30.9	28.0	41.1
15.0 - 20.0		Field Note:, NXDC, Cleaned out casing A-2-4, GrSiSa, gry, Moist, Rec. = 1.2 ft	30-24-20-26 (44)	10.6	27.6	37.5	34.9
20.0 - 25.0		A-2-4, GrSaSi, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	15-12-12-34 (24)	12.6	31.6	33.6	34.8
25.0 - 30.0		A-4, SaSi, gry, Moist, Rec. = 0.7 ft, Lab Note: Sample tested non-plastic. Field Note:, NXDC, Cleaned out casing	7-9-9-9 (18)	13.9	17.3	37.4	45.3
30.0 - 35.0		A-4, GrSiSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Sample tested non-plastic.	10-7-10-10 (17)	13.2	23.5	39.9	36.6
35.0 - 40.0		A-4, GrSaSi, blk-gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample. Sample tested non-plastic.	30-44-R@5.0" (R)	11.3	29.0	31.0	40.0
40.0 - 41.8		A-4, GrSaSi, gry, Moist, Rec. = 1.4 ft	15-34-35-R@3.5" (69)	10.9	25.0	30.6	44.4
41.8 - 45.0		Hole stopped @ 41.8 ft					
45.0		Remarks: Hole collapsed at 33.6 ft.					

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 THETFORD IM 091-2(81).GPJ VERMONT AOT.GDT 7/1/15