



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<sub>r</sub> = 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



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BORING LOG

THETFORD  
 IM 091-2(81)  
 I-91

Boring No.: B-102  
 Page No.: 1 of 1  
 Pin No.: 15D038  
 Checked By: CEE

Boring Crew: GARROW, HULBERT, WHITLOCK  
 Date Started: 6/26/15 Date Finished: 6/26/15  
 VTSPG NAD83: N 471882.63 ft E 1715741.62 ft  
 Station: 4376+61.84 Offset: 59.33  
 Ground Elevation: 554.47 ft

Casing Type: WB Sampler: 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<sub>r</sub> = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
06/26/15	7.7	After Drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SiSa, brn, Moist, Rec. = 1.6 ft	WH-3-4-5 (7)	21.9	2.2	54.6	43.2
		Field Note: NXDC, Cleaned out casing.					
5		Field Note: No Recovery	5-6-5-6 (11)				
10		A-4, SaSi, gry, Moist, Rec. = 1.0 ft, Lab Note: A small amount of clay was noticeable. Sample tested non-plastic.	10-19-24-25 (43)	13.6	16.1	25.8	58.1
15		A-4, GrSaSi, gry, MTW, Rec. = 1.3 ft, Lab Note: A small amount of clay was noticeable. Sample tested non-plastic.	24-46-R@5.0" (R)	17.7	20.6	25.5	53.9
20		Field Note: NXDC, Cleaned out casing. Field Note: No Recovery, NXDC, Cleaned out casing.	45-R@2.5" (R)				
25		A-2-4, SiGrSa, gry, Moist, Rec. = 1.5 ft, Lab Note: Broken Rock was within sample.	17-30-29-R@5.0" (59)	12.7	32.0	40.6	27.4
30		A-2-4, GrSiSi, gry, Moist, Rec. = 0.7 ft	3-10-19-22 (29)	14.5	20.1	50.9	29.0
		Hole stopped @ 32.0 ft					
35		Remarks: Hole collapsed at 19.0 ft.					
40							
45							

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.

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