



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

BORING LOG

**ESSEX**  
**STPG 030-1(22)**  
**VT-15, TH-4 MAST ARMS**

Boring No.: **B-101**  
 Page No.: 1 of 1  
 Pin No.: 13B434  
 Checked By: CEE

Boring Crew: DIAGNEAULT, HOOK  
 Date Started: 3/09/15 Date Finished: 3/09/15  
 VTSPG NAD83: N 732777.33 ft E 1495596.91 ft  
 Station: 297+23.7 Offset: -31.20  
 Ground Elevation: 487.5 ft

Type: H.S.A. 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 TRACK C<sub>r</sub> = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
03/09/15	24.6	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5		A-2-4, SiSa, grn-brn, Moist, Rec. = 2.0 ft, Field Note: High blow counts due to frost.	10-50-45-34 (95)	15.3	19.0	53.1	27.9		
		A-2-4, SiSa, grn-brn, Moist, Rec. = 1.4 ft	20-9-7-3 (16)	11.1	11.6	55.6	32.8		
		A-2-4, Sa, brn, Moist, Rec. = 1.5 ft	3-3-2-3 (5)	9.9	0.2	83.6	16.2		
		A-2-4, Sa, brn, Moist, Rec. = 1.4 ft	2-3-3-4 (6)	10.8	0.6	86.1	13.3		
10		A-4, SiSa, orange-brn, MTW, Rec. = 1.4 ft	5-7-6-5 (13)	25.6		58.5	41.5		
		A-4, SiSa, orange-brn, Wet, Rec. = 1.0 ft	3-3-2-3 (5)	33.9	0.2	55.8	44.0		
		A-4, Si, brn, MTW, Rec. = 1.0 ft		34.0		3.7	96.3		
		A-4, SaSi, orange-brn, MTW, Rec. = 2.0 ft	3-2-2-4 (4)	29.4		37.8	62.2		
15		A-4, Si, orange-brn, MTW, Rec. = 1.4 ft	WH-1-2-3 (3)	35.9	0.7	7.0	92.3	29	1
20		A-4, Si, gry-brn, MTW, Rec. = 0.6 ft	WH-WH-1-1 (1)	34.5		4.8	95.2		
25		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	WH-1-1-1 (2)	48.5		1.4	98.6	50	26
Hole stopped @ 27.0 ft									
30		Remarks: 1. Hole collapsed at 5.8 feet.							

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 ESSEX STPG 030-1(22).GPJ VERMONT AOT.GDT 4/27/15