



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-104**
 Page No.: 1 of 1
 Pin No.: 13B434
 Checked By: CEE

Boring Crew: DIAGNEAULT, JUDKINS, HOOK
 Date Started: 3/02/15 Date Finished: 3/02/15
 VTSPG NAD83: N 732695.48 ft E 1495567.34 ft
 Station: 10+54.5 Offset: 18.40
 Ground Elevation: 488.2 ft

Type: H.S.A. Sampler 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 C_s = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
03/02/15	14.0	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample. High blow counts due to frost.	25-21-10-9 (31)	20.9	17.8	57.9	24.3
5-7.2		Visual Description: Mostly Broken Rock with sand, red-brn, Moist, Rec. = 0.4 ft, Insufficient sample for testing.	6-6-3-1 (9)	1.1			
7.2-7.9		Visual Description: Mostly Broken Rock with sand, red-brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.	3-3-4-5 (7)	5.2			
7.9-9.4		A-4, SaSi, brn, MTW, Rec. = 1.5 ft	5-6-6-8 (12)	25.0	1.1	26.8	72.1
9.4-11.0		A-4, SaSi, brn, MTW, Rec. = 1.6 ft	7-6-6-5 (12)	26.0		32.5	67.5
11.0-12.7		A-4, SiSa, brn, MTW, Rec. = 0.7 ft	3-2-2-3 (4)	28.2	1.0	63.1	35.9
12.7-14.4		A-4, Si, brn, Wet, Rec. = 1.7 ft	WH-WH-WH-1 (WH)	37.1		4.9	95.1
14.4-16.2		A-4, Si, brn-gry, Wet, Rec. = 1.8 ft	WH-WH-WH-WH (WH)	36.9		3.4	96.6
20.0-21.5		A-4, SaSi, gry, MTW, Rec. = 1.5 ft	WH-WH-1-1 (1)	27.7		46.1	53.9
25.0-26.5		A-4, Si, gry, Wet, Rec. = 1.5 ft	WH-WH-1-1 (1)	34.0		4.6	95.4
26.5-25.0	Hole stopped @ 25.0 ft						
30.0	Remarks: 1. Hole collapsed at 7.2 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