



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-103**
Page No.: 1 of 1
Pin No.: 13B434
Checked By: CEE

Boring Crew: DIAGNEAULT, JUDKINS, NIETO
Date Started: 2/27/15 Date Finished: 3/02/15
VTSPG NAD83: N 732685.93 ft E 1495655.11 ft
Station: 298+13.3 Offset: 30.00
Ground Elevation: 485.5 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_c = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
02/27/15	21.2	End of day.
03/02/15	4.2	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Visual Description: Mostly Topsoil with sand, brn, Moist, Rec. = 2.0 ft, High blow counts due to frost.	20-19-22-10 (41)	21.1					
		A-3, Sa, brn, Moist, Rec. = 1.4 ft	5-6-6-7 (12)	6.5	0.1	90.1	9.8		
5		A-3, Sa, Lt/brn, Moist, Rec. = 1.5 ft	5-6-7-7 (13)	20.1		90.1	9.9		
		A-4, SiSa, brn, MTW, Rec. = 1.5 ft	5-5-5-4 (10)	28.1	0.2	56.4	43.4		
		A-4, SiSa, brn-Lt/brn, MTW, Rec. = 2.0 ft	5-1-2-1 (3)	28.5		59.8	40.2		
10		A-4, SiSa, Lt/brn, Wet, Rec. = 1.6 ft	1-2-1-1 (3)	25.6	0.2	56.9	42.9		
		A-4, Si, gry, Wet, Rec. = 2.0 ft	WH-WH-WH-WH (WH)	35.4		7.9	92.1		
15		A-4, Si, gry, Wet, Rec. = 1.8 ft	WH-WH-WH-WH (WH)	36.6		2.4	97.6		
20		A-4, Si, gry, Wet, Rec. = 1.3 ft, Lab Note: Sample was tested for Limits. (NP)	WH-1-1-1 (2)	37.0		4.9	95.1		
25		A-4, Si, gry, Wet, Rec. = 1.6 ft	WH-WH-WH-WH (WH)	33.7		0.7	99.3	27	3
		Hole stopped @ 27.0 ft							
30		Remarks: 1. Hole collapsed at 7.2 feet. 2. Attempted Tube sample at 27.0 feet. No Recovery.							

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_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