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

BORING LOG

LYNDON
STP 0113(65)
US-5 MAST ARMS

Boring No.: **B-102**
Page No.: 1 of 1
Pin No.: 10C176
Checked By: MRG

Boring Crew: NIETO, GARROW, GARDNER
Date Started: 8/11/15 Date Finished: 8/11/15
VTSPG NAD83: N 736601.33 ft E 1770296.49 ft
Station: 95+40 Offset: -24.90
Ground Elevation: 704.72 ft

	Casing	Sampler
Type:	WB	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_E = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
08/11/15	13.0	During Drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft, Lab Note: Grass was within sample.	1-2-1-1 (3)	12.0	15.7	58.5	25.8
		A-1-a, SaGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Performed gradation with an insufficient sample size. Broken Rock was within sample.	2-3-3-2 (6)	7.0	67.6	24.0	8.4
5		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft	1-1-1-1 (2)	14.7	15.0	59.0	26.0
		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft	1-1-WH-1 (1)	20.8	12.1	58.4	29.5
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Stone in end of sampler.	2-4-6-8 (10)	7.2	46.2	45.4	8.4
10		A-1-b, GrSa, brn, Moist, Rec. = 1.8 ft	6-7-7-6 (14)	8.6	37.1	53.2	9.7
		Field Note:, NXDC					
15		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Performed gradation with an insufficient sample size. Coal cinders were within sample.	2-1-WH-WH (1)	11.4 27.2	74.2 4.4	21.3 70.2	4.5 25.4
		A-2-4, SiSa, brn, Wet, Rec. = 1.0 ft					
20		A-4, SiSa, brn, Wet, Rec. = 1.2 ft, Lab Note: Sample was rust colored.	2-5-5-5 (10)	28.9		60.8	39.2
25		A-2-4, SiSa, brn, Wet, Rec. = 1.1 ft	6-9-9-9 (18)	22.9		77.0	23.0
		Hole stopped @ 27.0 ft					
30		Remarks: Hole Collapsed at 21.0 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_E 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.