



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-101
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 736461.89 ft E 1770263.17 ft
Station: 94+08 Offset: 31.00
Ground Elevation: 704.65 ft

Type: _____
I.D.: _____
Hammer Wt: _____
Hammer Fall: _____
Hammer/Rod Type: _____
Rig: _____

Casing WB Sampler SS
4 in 1.5 in
N.A. 140 lb.
N.A. 30 in.
Auto/AWJ
CME 45C SKID C_r = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
08/11/15	15.3	During Drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Groundwater Observations				
			Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, GrSa, brn, Moist, Rec. = 0.6 ft	2-3-7-7 (10)	3.5	27.0	58.1	14.9
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample. Small Glass fragments were noticeable.	6-6-6-4 (12)	8.4	23.1	47.9	29.0
		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft	5-4-5-5 (9)	8.7	2.0	72.4	25.6
		A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	5-4-5-6 (9)	11.7	13.6	61.3	25.1
		A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft	6-7-6-5 (13)	11.7	3.1	73.7	23.2
10		A-3, Sa, brn, Moist, Rec. = 1.0 ft	6-7-6-5 (13)	8.5	19.3	70.4	10.3
		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft		9.9	21.4	62.5	16.1
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft		5.6	20.7	70.4	8.9
15		A-2-4, GrSa, brn, MTW, Rec. = 0.9 ft, (Visual Classification) Lab Note: Very strong gasoline odor from sample. PID test performed showing 377 ppm.	7-3-3-1 (6)				
20		Field Note: No Recovery.	9-6-6-6 (12)				
25		A-2-4, SiSa, gry, Moist, Rec. = 0.6 ft, Lab Note: A faint gasoline odor was noticeable in sample.	5-6-6-5 (12)	23.4		78.8	21.2
		A-2-4, Sa, brn, Moist, Rec. = 0.7 ft		27.5		84.4	15.6
30		Hole stopped @ 27.0 ft					
		Remarks: Hole Collapsed at 16.8 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 LYNDON STP 0113(65).GPJ VERMONT AOT.GDT 9/9/15



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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

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_s = 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	74.2	21.3	4.5
		A-2-4, SiSa, brn, Wet, Rec. = 1.0 ft		27.2	4.4	70.2	25.4
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:

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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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