

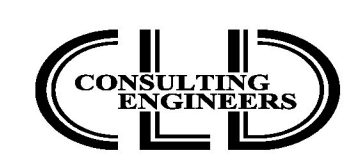
VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: <b>B-101</b>				
				LYNDON STP 0113(65) US-5 MAST ARMS		Page No.: 1 of 1				
						Pin No.: 10C176				
						Checked By: MRG				
Boring Crew: NIETO, GARROW, GARDNER				Casing		Sampler				
Date Started: 8/11/15 Date Finished: 8/11/15				Type: WB		SS				
VTSPG NAD83: N 736461.89 ft E 1770263.17 ft				I.D.: 4 in		1.5 in				
Station: 94+08 Offset: 31.00				Hammer Wt: N.A.		140 lb.				
Ground Elevation: 704.65 ft				Hammer Fall: N.A.		30 in.				
				Hammer/Rod Type: Auto/AWJ						
				Rig: CME 45C SKID		C <sub>r</sub> = 1.33				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Groundwater Observations							
			Date	Depth (ft)	Notes	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, GrSa, brn, Moist, Rec. = 0.6 ft	08/11/15	15.3	During Drilling.	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				8.5	19.3	70.4	10.3	
		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft				6-7-6-5 (13)	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)				
		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
		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

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: <b>B-102</b>				
				LYNDON STP 0113(65) US-5 MAST ARMS		Page No.: 1 of 1				
						Pin No.: 10C176				
						Checked By: MRG				
Boring Crew: NIETO, GARROW, GARDNER				Casing		Sampler				
Date Started: 8/11/15 Date Finished: 8/11/15				Type: WB		SS				
VTSPG NAD83: N 736601.33 ft E 1770296.49 ft				I.D.: 4 in		1.5 in				
Station: 95+40 Offset: -24.90				Hammer Wt: N.A.		140 lb.				
Ground Elevation: 704.72 ft				Hammer Fall: N.A.		30 in.				
				Hammer/Rod Type: Auto/AWJ						
				Rig: CME 45C SKID		C <sub>r</sub> = 1.33				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Groundwater Observations							
			Date	Depth (ft)	Notes	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		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
		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
		Field Note: No Recovery.								
25		A-2-4, SiSa, brn, Wet, Rec. = 1.1 ft				6-9-9-9 (18)	22.9		77.0	23.0
		Field Note: No Recovery.								
		Hole stopped @ 27.0 ft								
		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 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.										

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CLD\_13-0194



PROJECT NAME:	LYNDON	PLOT DATE:	12/13/2016
PROJECT NUMBER:	STPG SGNL(48)	DRAWN BY:	M. HALEY
FILE NAME:	z16d054bor.dgn	CHECKED BY:	L. GREER
PROJECT LEADER:	P. SHEDD	SHEET	6 OF 18
DESIGNED BY:	P. KONIECZKA		
BORING LOGS			