

PROJECT NAME: CLD Lunenburg Culvert
 SITE NAME: 429+30
 STATION: 429+30
 OFFSET: 8 RT
 VTSPG: N 724791.44 ft E 1867978.72 ft
 PROJECT NUMBER: 123-87438
 SITE NUMBER: BR 126
 GROUND ELEVATION: 854.0 ft
 GROUNDWATER DEPTH: 14.1 ft 9/27/12
 PROJECT PIN NUMBER: Lunenburg NH Culv (27)
 BORING CREW:
 DRILLER: D. Thompson
 LOGGER: M. Henrick
 BORING RIG: Diedrich D-50 Track
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 HAMMER TYPE:
 CHECKED BY: JRS

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
0.0		0.0 ft - 1.4 ft, Field Note: Approximately 1.4 ft. of asphalt at roadway surface.							
1.5		1.5 ft - 2.0 ft, Field Note: Gravel subbase, Rec. = 0.4 ft	50 (50)						
4.0		4.0 ft - 6.0 ft, GrSaSi, medium brown, Wet, Rec. = 1.7 ft	18-15-16-26 (31)		20.0	27.0	53.0		
9.0		9.0 ft - 11.0 ft, SaSiGr Resampled with 3" spoon, medium brown, Wet, Rec. = 0.0 ft	29-17-17-18 (34)						
14.0		14.0 ft - 14.9 ft, CiSaSi, medium brown, Wet, Rec. = 1.0 ft	3-2-3-3 (5)						
14.9		14.9 ft - 16.0 ft, SaSi Organic PEAT, dark gray, Wet							
16.0		16.0 ft - 18.0 ft, CiSaSi Trace organics, medium brown, Wet, Rec. = 0.7 ft	1-1-1-3 (2)						
20.0		20.0 ft - 22.0 ft, A-6, CiSaSi, medium brown, Wet, Rec. = 2.0 ft	2-1-1-2 (2)		0.0	29.0	71.0	35	13
22.0		22.0 ft - 30.0 ft, Field Note: Gravel lenses based on drill behavior							

BOTTOM OF
 MAT FOUNDATION
 EL. 827.20 +/-

SLOPE
 STABILIZATION
 PILE TIP
 EL. 811.00 +/-

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										RUN	REC (%)	ROD (%)	Drill Rate (min/ft)	UCS (psi)				
25.0		25.0 ft - 27.0 ft, CiSaSi, medium brown, Wet, Rec. = 0.8 ft	12-20-20-23 (40)															
30.0		30.0 ft - 32.0 ft, SaGrSi, brown-gray, Wet, Rec. = 0.7 ft	39-29-18-17 (47)															
34.0		34.0 ft - 36.0 ft, SaGrSi, brown-gray, Wet, Rec. = 0.5 ft	28-21-29-11 (50)															
38.5		38.5 ft - 44.0 ft, Field Note: Cobbles based on drill behavior																
44.0		44.0 ft - 44.5 ft, No recovery, cobbles based on drill behavior, Rec. = 0.0 ft	53 (50)															
44.5		RR1: 45.0 ft - 48.8 ft, NQ, Rec. = 1.3 ft, Casing refusal at 44.5 ft. Began core run at 45 feet, cobbles and boulders to 48.8 ft.	RR1	22	1183	3.3												
48.8		48.8 ft - 51.0 ft, Dark gray, Phyllite, discontinuities very close to close, generally parallel to foliation, irregular to																

Top of Bedrock @ 48.8 ft

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DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	RUN	REC (%)	ROD (%)	Drill Rate (min/ft)	UCS (psi)
51.0		curved to planar, rough to smooth. Moderately foliated, very fine grained, Medium strong, moderately weathered Hole stopped @ 51.0 ft					
52.5		Notes: - Boring location estimated from swing ties. Location not surveyed.					
55.0							
57.5							
60.0							
62.5							
65.0							
67.5							
70.0							
72.5							

