

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-LC-202 SHEET 1 of 2 DATE STARTED: 1/30/13 DATE COMPLETED: 1/31/13					
PROJECT NAME: CLD Lunenburg Culvert		PROJECT NUMBER: 123-87438		SITE NUMBER: BR 126					
SITE NAME:		GROUND ELEVATION: 844.0 ft		GROUNDWATER DEPTH: 7.2 ft 1/31/13					
STATION: 429+85		PROJECT PIN NUMBER: Lunenburg NH Culv (27)							
OFFSET: 51 RT									
VTSPG: N 724735.64 ft E 1868016.72 ft									
BORING CREW:		BORING TYPE: WASH BORE		SAMPLE TYPE: SPLIT BARREL & TUBE					
DRILLER: D. Palmer		LOGGER: M. Henrick		HAMMER TYPE:					
BORING RIG: Diedrich D-50 Track		CHECKED BY: JDL							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
2.5		2.0 ft - 3.5 ft, Driller reports gravel based on drill behavior from 2.0 to 3.5 ft.							
5.0		4.0 ft - 6.0 ft, GrSaSi Cl, brown, Wet, (CL) Silty Silty CLAY, some gravel [Sample 1D], Rec. = 0.1 ft	8-7-6-7 (13)						
7.5		8.0 ft, Could not push vane at 8 ft, washed to 9 ft.							
10.0		9.0 ft - 11.0 ft, SiCl, Gray, Wet, (CL) Silty CLAY, faintly varved [Sample 2D], 580 psf from FVT at 10 ft, 625 psf from FVT at 11 ft with the 55x110mm vane, A-6, Rec. = 2.0 ft	NA (FVT)	40.0				39	25
15.0		15.0 ft - 17.0 ft, SiCl, Gray, Wet, (CL) Silty CLAY, 1/4" varves with thin desiccated lenses [Sample 3D], 848 psf from FVT at 16 ft, 893 psf from FVT at 17 ft with the 55x110mm vane, Rec. = 2.0 ft	NA (FVT)						
17.5		18.0 ft - 20.0 ft, SiCl, Gray, Wet, Tube Sample - (CL) Silty CLAY [Sample 1U], A-6, Rec. = 1.7 ft	NA (Tube)	36.0				34	14
20.0		20.0 ft - 22.0 ft, SiCl, Gray, Wet, (CL) Silty CLAY, wet, with 1/2-inch varves [Sample 4D], 1072 psf from FVT at 21 ft, 1027 psf from FVT at 22 ft with the 55x110mm vane, Rec. = 2.0 ft	NA (FVT)	50.7					
22.5									

LOG OF BORING & WELL: 123-87438 CLD LUNENBURG.CPJ VT_AOT_GDT_10/2/14

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PROJECT NAME: CLD Lunenburg Culvert		PROJECT NUMBER: 123-87438		SITE NUMBER: BR 126					
SITE NAME:		GROUND ELEVATION: 844.0 ft		GROUNDWATER DEPTH: 7.2 ft 1/31/13					
STATION: 429+85		PROJECT PIN NUMBER: Lunenburg NH Culv (27)							
OFFSET: 51 RT									
VTSPG: N 724735.64 ft E 1868016.72 ft									
BORING CREW:		BORING TYPE: WASH BORE		SAMPLE TYPE: SPLIT BARREL & TUBE					
DRILLER: D. Palmer		LOGGER: M. Henrick		HAMMER TYPE:					
BORING RIG: Diedrich D-50 Track		CHECKED BY: JDL							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
27.5		25.0 ft - 27.0 ft, GrSiSa, Gray, Wet, (SM) Silty medium to coarse SAND [Sample 5D], some fine gravel, Rec. = 1.2 ft	17-20-10-9 (30)						
30.0		29.0 ft - 31.0 ft, SaSiGr, Gray, Wet, (GM) Silty fine to coarse sandy GRAVEL [Sample 6D], Rec. = 0.8 ft	27-28-16-19 (44)						
32.5		33.0 ft, Bedrock at 33.0 ft based on tricone bit behavior. End of exploration at 33.0 ft. Boring backfill with cuttings upon completion. Hole stopped @ 33.0 ft							
35.0		Notes: - Boring location estimated from swing ties. Location not surveyed.							
37.5									
40.0									
42.5									
45.0									
47.5									

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CLD_12-0106 MODEL: Bor-07

PROJECT NAME:	LUNENBURG
PROJECT NUMBER:	NH CULV(27)
FILE NAME:	lib294/cos/zlib294bor.dgn
PROJECT LEADER:	J. BYATT
DESIGNED BY:	S. BEAUMONT
BORING LOGS SHEET 6	
PLOT DATE:	8/6/2015
DRAWN BY:	M. SMITH
CHECKED BY:	J. BYATT
SHEET	38 OF 74

