STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: BB-LC-203
SHEET 1 of 2
DATE STARTED: 2/01/13
DATE COMPLETED: 2/01/13

PROJECT NAME: CLD Lunenburg Culvert
SITE NAME:
STATION: 429+60
OFFSET: 7 LT
VTSPG: N 724797.95 ft E 1868011.61 ft

PROJECT NUMBER: 123-87438
SITE NUMBER: BR 126
GROUND ELEVATION: 856.0 ft
GROUNDWATER DEPTH: 17.5 ft 2/01/13
PROJECT PIN NUMBER: Lunenburg NH Culv (27)

BORING CREW:
DRILLER: D. Palmer
LOGGER: M. Henrick
BORING RIG: Diedrich D-50 Track

BORING TYPE: HOLLOW STEM AUGER
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE:
CHECKED BY: JDL

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
2.5, 5.0, 7.5		0.0 ft - 15.0 ft, Roadway fill, no samples collected.					
10.0, 12.5		10.0 ft - 14.0 ft, Brown gravel, little sand 10-14 ft observed in auger cuttings.					
		14.0 ft, Gray, dry silty sand at 14 ft observed in auger cuttings.					
15.0		15.0 ft - 17.0 ft, SaSi, gray-brown, Wet, (ML) SILT, some fine sand, non-plastic, homogeneous [Sample 1D]., Rec. = 1.7 ft	5-4-4-5 (8)				
17.5		17.0 ft - 18.5 ft, SaSi, Gray-brown, Wet, (ML) SILT, some fine sand, non-plastic, homogeneous [Sample 2D]., Rec. = 1.8 ft	7-4-6-11 (10)				
		18.5 ft - 18.8 ft, Dark gray, Wet, (OL) Decaying wood and Peat, non-plastic [Sample 2D].					
20.0		18.8 ft - 19.0 ft, SaSi, Wet, (ML) SILT, some fine sand, non-plastic, homogeneous [Sample 2D]. 20.0 ft - 22.0 ft, ClSi, Gray-brown, Wet, (ML) SILT, some clay, grades to medium gray, slight cracking, non-plastic [Sample 3D]., Rec. = 1.8 ft	5-11-10-12 (21)	22.9	0.0	1.1	98.9
22.5		22.0 ft - 24.0 ft, ClSi, Gray, Wet, (CL) Clayey SILT, very stiff, varved with thin dessicated layers [Sample 4D]. 2829 psf from FVT at 24.4 ft with the 16x32mm vane. Drove vane through spoon hole., Rec. = 1.6 ft	13-15-16-15 (31)				

LOG OF BORING & WELL 123-87438 CLD LUNENBURG.GPJ VT AOT.GDT 10/2/14

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BORING NUMBER: BB-LC-203
SHEET 2 of 2
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BORING TYPE: HOLLOW STEM AUGER
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE:
CHECKED BY: JDL

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
		25.0 ft - 27.0 ft, ClSi, Gray, Wet, (CL) Clayey SILT, trace wood, varved [Sample 5D]., Rec. = 0.5 ft	3-3-5-7 (8)				
27.5		27.0 ft - 27.7 ft, ClSi, Gray, Wet, (CL) Clayey SILT, trace wood, varved [Sample 6D]. 3537 psf from FVT at 27.4 ft with the 16x32mm vane., Rec. = 2.0 ft	13-18-12-10 (30)				
		27.7 ft - 29.0 ft, GrClSa Si, Gray, Wet, (ML) Sandy SILT, some clay, some gravel [Sample 6D].					
30.0		30.0 ft - 32.0 ft, SaSiGr, Gray, Wet, (GM) Silty GRAVEL, some fine to coarse sand [Sample 7D]., Rec. = 0.6 ft	7-7-10-13 (17)				
32.5		32.0 ft - 34.0 ft, SaSiGr, Gray, Wet, (GM) Sandy silty GRAVEL [Sample 8D]., Rec. = 0.7 ft	15-12-11-17 (23)				
35.0		34.0 ft, End of exploration in Glacial Till. Boring backfilled with cuttings and approximately 10-inches of cold patch at surface upon completion. Hole stopped @ 34.0 ft					

Notes:
- Boring location estimated from swing ties. Location not surveyed.

LOG OF BORING & WELL 123-87438 CLD LUNENBURG.GPJ VT AOT.GDT 10/2/14

PROJECT NAME: LUNENBURG
PROJECT NUMBER: NH CULV(27)

FILE NAME: llb294/cos/zllb294bor.dgn
PROJECT LEADER: J. BYATT
DESIGNED BY: S. BEAUMONT
BORING LOGS SHEET 7

PLOT DATE: 8/6/2015
DRAWN BY: M. SMITH
CHECKED BY: J. BYATT
SHEET 39 OF 74

CLD 12-0106 MODEL: Bor08