

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-LC-107 SHEET 1 of 2 DATE STARTED: 9/26/12 DATE COMPLETED: 9/26/12					
PROJECT NAME: CLD Lunenburg Culvert		PROJECT NUMBER: 123-87438		SITE NUMBER: BR 126					
SITE NAME:		STATION: 430+80		GROUND ELEVATION: 850.0 ft					
OFFSET: 35 RT		VTSPG: N 724714.97 ft E 1868103.54 ft		GROUNDWATER DEPTH: NM 9/28/12					
BORING CREW:		BORING TYPE: WASH BORE		PROJECT PIN NUMBER: Lunenburg NH Culv (27)					
DRILLER: D. Thompson		LOGGER: M. Henrick		SAMPLE TYPE: SPLIT BARREL					
BORING RIG: Diedrich D-50 Track		CHECKED BY: JRS		HAMMER TYPE:					
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	[Diagonal Hatching]	0.0 ft - 0.7 ft, SaSi Topsoil, Dark gray, Moist, Rec. = 0.7 ft	1-6-9-15 (15)						
		0.7 ft - 2.0 ft, SaSiGr, brown, Moist							
		2.0 ft - 3.0 ft, Field note: Cobbles based on drill behavior.							
5.0	[Diagonal Hatching]	3.0 ft - 5.0 ft, Field Note: Sandy silt based on auger cuttings.	3-3-4-5 (7)	27.0				26	8
		5.0 ft - 7.0 ft, SiCl Varved, gray, Wet, Torvane = 0.25 kg/cm2, Rec. = 1.8 ft							
10.0	[Diagonal Hatching]	10.0 ft - 12.0 ft, SiCl Varved, gray, Wet, Torvane = 0.15 kg/cm2, Rec. = 2.0 ft	2-2-3-3 (5)						
15.0	[Diagonal Hatching]	15.0 ft - 17.0 ft, SiCl Varved, gray, Wet, Torvane = 0.22 kg/cm2, Rec. = 2.0 ft	0-2-1-3 (3)					38	18
20.0	[Diagonal Hatching]	20.0 ft - 22.0 ft, SiCl Varved, gray, Wet, Torvane = 0.20, 0.22 kg/cm2, Rec. = 2.0 ft	0-2-2-3 (4)						

LOG OF BORING & WELL: 123-87438 CLD LUNENBURG.CULV.VT.ADT.GDT. 09/26/14

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: BB-LC-107 SHEET 2 of 2 DATE STARTED: 9/26/12 DATE COMPLETED: 9/26/12					
PROJECT NAME: CLD Lunenburg Culvert		PROJECT NUMBER: 123-87438		SITE NUMBER: BR 126					
SITE NAME:		STATION: 430+80		GROUND ELEVATION: 850.0 ft					
OFFSET: 35 RT		VTSPG: N 724714.97 ft E 1868103.54 ft		GROUNDWATER DEPTH: NM 9/28/12					
BORING CREW:		BORING TYPE: WASH BORE		PROJECT PIN NUMBER: Lunenburg NH Culv (27)					
DRILLER: D. Thompson		LOGGER: M. Henrick		SAMPLE TYPE: SPLIT BARREL					
BORING RIG: Diedrich D-50 Track		CHECKED BY: JRS		HAMMER TYPE:					
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	[Diagonal Hatching]	25.0 ft - 27.0 ft, SiCl Varved, gray, Wet, Torvane = 0.24, 0.20 kg/cm2, Rec. = 2.0 ft	0-2-3-3 (5)					33	11
		30.0 ft - 32.0 ft, SiCl Varved, gray, Wet, Torvane = 0.25 kg/cm2, Rec. = 2.0 ft							
Hole stopped @ 32.0 ft									
Notes: - Used 2 1/4" HSAs to 30 ft. - Boring location estimated from swing ties. Location not surveyed.									

LOG OF BORING & WELL: 123-87438 CLD LUNENBURG.CULV.VT.ADT.GDT. 09/26/14

CLD_12-0106 MODEL: Bor-05



PROJECT NAME: LUNENBURG	PLOT DATE: 8/6/2015
PROJECT NUMBER: NH CULV(27)	DRAWN BY: M. SMITH
FILE NAME: I1b294/cos/z1b294bor.dgn	CHECKED BY: J. BYATT
PROJECT LEADER: J. BYATT	SHEET 36 OF 74
DESIGNED BY: S. BEAUMONT	
BORING LOGS SHEET 4	