

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-103</b>				
				HIGHGATE STP SCR(12) VT-78 BR-10 CULVERT MM2.37		Page No.: 1 of 1				
						Pin No.: 13C134				
						Checked By: CCB				
Boring Crew: DAIGNEAULT, JUDKINS, HALL		Casing		Sampler		Groundwater Observations				
Date Started: 8/08/13 Date Finished: 8/08/13		Type: WB		SS		Date				
VTSPG NAD83: N 890523.91 ft E 1495749.11 ft		I.D.: 4 in		1.5 in		Depth (ft)				
Station: 125+31 Offset: 58.00		Hammer Wt: N.A.		140 lb.		Notes				
Ground Elevation: 250.99 ft		Hammer Fall: N.A.		30 in.						
		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK		C = 1.46						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Visual Description: GrSiSa, brn, Moist, Rec. = 0.2 ft, Possible Fill. Field Note: NXDC, Cobbles		R@2.5"	10.1					
5		A-1-b, SiSaGr, gry, MTW, Rec. = 0.7 ft, Broken Rock was within sample. Lab Note, NXDC, Cobbles		16-9-9-9 (18)	10.5	39.7	38.8	21.5		
10		A-1-b, SiSaGr, gry, MTW, Rec. = 1.2 ft, Broken Rock was within sample.		8-19-19-20 (38)	7.7	41.8	36.9	21.3		
15		Field Note: NXDC, Cobbles A-2-4, SaGrSi, gry, Moist, Rec. = 0.9 ft, A small amount of Clay was noticeable. Broken Rock was within sample. Field Note: NXDC, Cleaned out casing.		39-36-R@1.0" (R)	8.2	33.2	25.1	41.7		
20		A-4, CiSi, gry, Moist, Rec. = 1.2 ft, Broken Rock was within sample. Hole stopped @ 21.3 ft		R@8.5"	11.1	15.6	18.0	66.4	22	7
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.										

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-104</b>		
				HIGHGATE STP SCR(12) VT-78 BR-10 CULVERT MM2.37		Page No.: 1 of 1		
						Pin No.: 13C134		
						Checked By: CCB		
Boring Crew: DAIGNEAULT, HALL		Casing		Sampler		Groundwater Observations		
Date Started: 8/12/13 Date Finished: 8/12/13		Type: WB		N.A.		Date		
VTSPG NAD83: N 890573.83 ft E 1495753.91 ft		I.D.: 4 in				Depth (ft)		
Station: 125+37 Offset: 12.30		Hammer Wt: N.A.		N.A.		Notes		
Ground Elevation: 283.54 ft		Hammer Fall: N.A.		N.A.				
		Hammer/Rod Type:						
		Rig: CME 55 TRACK		C =				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		0.0 ft - 18.0 ft, Brown sandy water return. Easy drilling. A few to no cobbles.						
20		18.0 ft - 27.0 ft, Easy drilling. Brown sand & gray silt in area. Gray sandy silt in water return.						
30		27.0 ft - 32.0 ft, Slow advance of drill. Many spikes in water pressure. Drilling got difficult at 27.0 feet. Most likely Wood was plugging the casing. A lot of Wood in water return.						
40		40.0 ft - 46.0 ft, Extremely difficult drilling. Advanced at a very slow pace. Most likely solid rock. Steady rise water pressure.						
50		Hole stopped @ 46.0 ft In Possible Bedrock.						
Remarks:								
1. Boring advanced to determine bedrock depth.								
2. Visual description of soil by drilling personnel.								
3. Hole collapsed at 36.0 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.								

PROJECT NAME:	HIGHGATE
PROJECT NUMBER:	STP SCR(12)
FILE NAME:	d13ci34_frm.dgn
PROJECT LEADER:	B. MARTIN
DESIGNED BY:	A. KEMPTON
BORING SHEET 2	
PLOT DATE:	14-OCT-2016
DRAWN BY:	A. KEMPTON
CHECKED BY:	M. GAMELIN
SHEET	12 OF 40