

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-101</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 SS		I.D.: 4 in 1.5 in		Date Depth Notes							
VTSPG NAD83: N 890591.03 ft E 1495758.78 ft		Hammer Wt: N.A. 140 lb.		Hammer Fall: N.A. 30 in.		08/12/13 26.0 While drilling.							
Station: 125+38 Offset: -9.00		Hammer/Rod Type: Auto/AWJ		Rig: CME 55 TRACK		C = 1.46							
Ground Elevation: 285.44 ft													
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate (min/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt Pavement, 0.0 ft - 1.0 ft					12-12-11-10 (23)	11.3	2.6	73.4	24.0		
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft											
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft					5-5-6-6 (11)	14.9	8.2	56.2	35.6		
10		Field Note: No Recovery					7-8-6-5 (14)						
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft					7-12-9-6 (21)	17.4	2.9	63.8	33.3		
20		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft					8-7-9-5 (16)	16.7	6.0	77.8	16.2		
		A-6, SiCl, gry, Moist, Rec. = 0.9 ft, Decayed Wood was within sample.					1-1-2-13 (3)	26.0	0.3	15.7	84.0	29	14
		Visual Description: Wood, brn, Moist, Rec. = 0.5 ft, (Possible Log Mat)											
30		Field Note: No Recovery					4-7-6-4 (13)						
		Visual Description: Broken Rock with Silt, blk, Moist, Rec. = 0.2 ft					R@9.5"						
40		38.0 ft - 43.0 ft, Laminated black, Slate, and meta-greywacke. Moderately soft to moderately hard, Slightly weathered, Poor rock, NXMDC, Drillers report numerous thin drilling breaks throughout run. May be Boulders. RMR = 30		1 (0)	34 (8)	2							
		43.0 ft - 48.0 ft, Black, Slate, and meta-greywacke. Moderately soft to moderately hard, Slightly weathered, Poor rock, NXMDC, Drillers report numerous thin drilling breaks throughout run. May be Boulders. RMR = 30		2 (0)	36 (0)	2							
		Hole stopped @ 48.0 ft											
50		Remarks: 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.													

BORING LOG 2 HIGHGATE STP SCR(12) GPJ, VERMONT AOT, GDT, 9/25/13

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-102</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, JUDKINS		Casing		Sampler		Groundwater Observations							
Date Started: 8/09/13 Date Finished: 8/19/13		Type: WB SS		I.D.: 4 in 1.5 in		Date Depth Notes							
VTSPG NAD83: N 890639.50 ft E 1495793.67 ft		Hammer Wt: N.A. 140 lb.		Hammer Fall: N.A. 30 in.		08/09/13 10.2 While drilling.							
Station: 125+49 Offset: -66.00		Hammer/Rod Type: Auto/AWJ		Rig: CME 55 TRACK		C = 1.46							
Ground Elevation: 259.09 ft													
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate (min/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-4, SaSi, brn, Moist, Rec. = 1.6 ft, Grass & Roots were within sample.					WH-1-WH-1 (1)	31.5	0.4	42.4	57.2		
5		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft					WH-WH-WH-2 (WH)	31.3	2.9	4.1	93.0	47	26
10		A-6, SiCl, gry, Moist, Rec. = 0.9 ft					1-3-27-29 (30)	22.2	6.9	13.9	79.2	31	15
		A-1-b, SaSiGr, gry, Moist, Rec. = 0.7 ft, Lab Note: Mostly Broken Rock with Silt.						8.1	52.6	23.7	23.7		
15		A-1-b, SaGr, gry, Moist, Rec. = 0.6 ft, Lab Note: Mostly Broken Rock with Silty Sand					R@8.5"	7.0	64.1	25.8	10.1		
20		17.5 ft - 21.5 ft, Black, Slate, Moderately soft, Slightly weathered, Poor rock, NXMDC, RMR = 30		1 (20)	93 (0)	5							
		Top of Bedrock @ 17.5 ft											
25		Remarks: Hole collapsed at 13.0 ft.											
30													
35													
40													
45													
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.													

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