

VT Trans Working to Get You There Vermont Agency of Transportation		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: <b>B-101</b>					
				WATERFORD BF 0225(4) VT-18 BR-7		Page No.: 1 of 2					
						Pin No.: 13C268					
						Checked By: MLM					
Boring Crew: JUDKINS, DAIGNEAULT		Casing		Sampler		Groundwater Observations					
Date Started: 4/01/14 Date Finished: 4/02/14		Type: WB	SS	Date	Depth (ft)	Notes					
VTSPG NAD83: N 680559.75 ft E 1795988.59 ft		I.D.: 4 in	1.5 in	04/01/14	5.0	While drilling.					
Station: 106+25 Offset: -11.00		Hammer Wt: N.A.	140 lb.	04/02/14	8.0	Before drilling.					
Ground Elevation: 911.1 ft		Hammer Fall: N.A.	30 in.								
		Hammer/Rod Type: Auto/AWJ									
		Rig: CME 45C SKID	CE = 1.33								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.45 ft									
2.5		A-1-b, SiGrSa, Lt/brn, Moist, Rec. = 0.9 ft					22-11-11-16 (22)	9.9	33.5	45.4	21.1
		Field Note: Roller coned ahead. Cleaned out casing.									
		A-2-4, SiGrSa, Lt/brn, MTW, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.					24-R@5.0" (R)	23.1	33.6	34.8	31.6
5.0		A-1-a, SaGr, brn, MTW, Rec. = 0.8 ft, NXDC, Cleaned out casing.					48-29-14-R@3.5" (36)	15.0	59.9	25.2	14.9
7.5		A-1-b, SaGr, brn, MTW, Rec. = 1.0 ft					24-14-22-16 (36)	15.3	61.3	22.0	16.7
10.0		A-1-b, SiSaGr, brn-gry, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.					35-17-14-11 (31)	10.8	42.7	35.3	22.0
		Field Note: No Recovery, NXDC, Cobbles					R@1.0" (R)				
12.5		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.6 ft					9-15-16-25 (31)	9.9	23.7	28.1	48.2
15.0		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.0 ft					27-37-26-R@2.5" (63)	9.3	24.1	32.6	43.3
17.5		A-4, SaSi (HP), gry, Moist, Rec. = 1.6 ft					25-34-32-R@2.5" (66)	12.1	6.1	32.1	61.8
		Field Note: NXDC, Cleaned out casing									
20.0		A-4, SaSi (HP), gry, Moist, Rec. = 1.4 ft					23-32-39-R@1.0" (71)	10.7	12.5	31.1	56.4
		Field Note: NXDC, Cleaned out casing									

BOC  
EL. 899.54

BORING LOG 2 WATERFORD BF 0225(4).GPJ VERMONT AOT.GDT 1/13/17

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. <<SUB>><<SUB>> 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.

BOC = APPROX. BOTTOM OF CULVERT

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22.5											
25.0		A-4, SaSi (HP), gry, Moist, Rec. = 1.1 ft					23-32-35-R@1.0" (67)	12.2	15.2	28.8	56.0
27.5											
30.0		28.3 ft - 33.3 ft, Light gray, Fine-grained feldspathic Metasandstone, with thin slaty partings. Hard, Unweathered, Good rock, NXMDC, RMR = (35) 67		1	100 (64)	5					Top of Bedrock @ 28.3 ft
32.5											
35.0		33.3 ft - 38.3 ft, Light gray, Fine-grained feldspathic Metasandstone, with thin slaty partings. Hard, Unweathered, Good rock, NXMDC, RMR = (35) 67		2	100 (50)	3					
37.5											
40.0		Hole stopped @ 38.3 ft									
42.5		Remarks: Hole collapsed at 7.0 ft.									

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PROJECT NAME: WATERFORD  
 PROJECT NUMBER: BF 0225(4)  
 FILE NAME: z13c268b10L.dgn PLOT DATE: 09/27/2017  
 PROJECT LEADER: T. LEVINS DRAWN BY: A. KURDEKAR  
 DESIGNED BY: A. KURDEKAR CHECKED BY: T. LEVINS  
 BORING LOGS I SHEET 17 OF 63

