

BORING LOG INFORMATION

B-4

B-4 (CONT.)

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STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-4				
WINDSOR IM-091-1 (64)		Page No.: 1 of 3		Pin No.:				
Checked By: SMC		Date:		Notes:				
Boring Crew: New Hampshire Boring, Inc., IKC		Casing	Sampler	Groundwater Observations				
Date Started: 9/21/11	Date Finished: 9/30/11	Type: WB SS		Date	Depth (ft)			
VTSPG NAD83:		I.D.: 4 in 1.38 in						
Station: 2921+27.00	Offset: 56RT	Hammer Wt: 300 140 lb.		08/23/11	49.0			
Ground Elevation: 449.0 ft		Hammer Fall: 24 30 in.			During drilling.			
		Hammer/Rod Type: Safety/N						
		Rig: Dietrich D-25	C ₁ = 1.0					
Depth (ft)	Strata (1)	Run (ft)	Core Rec. % (ROD %)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-0.8	Coarse to fine SAND, trace Silt, trace Gravel, moist, dense, brown, Rec. = 0.8 ft, 0.0 ft - 2.0 ft	5-5-8-11 (13)						
0.8-6.0	Coarse to fine SAND, trace Silt, trace Gravel, moist, very dense, brown, Rec. = 1.0 ft, 4.0 ft - 6.0 ft	7-15-30-30 (45)						
6.0-11.0	GRAVEL, trace Sand, trace Silt, moist, medium dense, gray, Rec. = 0.3 ft, 9.0 ft - 11.0 ft	11-13-12-15 (25)						
11.0-16.0	A-3, moist, loose, brown, Rec. = 0.5 ft, 14.0 ft - 16.0 ft	10-3-4-7 (7)	12.8	16.0	75.4	8.6		
16.0-21.0	17.5 ft, Drill action suggests cobbles/gravel 17.5 to 19 feet.							
21.0-26.0	A-1-a, moist, very dense, gray, Rec. = 0.3 ft, 19.0 ft - 21.0 ft	18-62-60-42 (122)	3.2	79.0	14.2	6.8		
26.0-29.0	21.0 ft, Drill action suggests cobbles 21 to 24 feet. Possible 6 inch void at 24 feet.							
29.0-31.0	GRAVEL, trace Sand, trace Silt, moist, medium dense, gray, Rec. = 0.5 ft, 24.5 ft - 26.5 ft	11-7-12-20 (19)						
31.0-34.0	26.5 ft, Drill action suggests cobbles/gravel 26.5 to 29 feet.							
34.0-36.0	No recovery, gravel lodged in tip of sampler, Rec. = 0.0 ft, 29.0 ft - 31.0 ft	18-12-8-9 (20)						
36.0-38.0	31.0 ft, Drill action suggests cobbles/gravel 31 to 34 feet.							
38.0-40.0	No recovery, gravel lodged in tip of sampler, Rec. = 0.0 ft, 34.0 ft - 36.0 ft	100/5* (100+)						
40.0-44.0	GRAVEL, some medium to fine Sand, trace Silt, moist, dense, gray/brown, Rec. = 0.5 ft, 36.0 ft - 41.0 ft	20-19-13-15 (32)						
44.0-47.0	Medium to fine SAND, little Silt, moist, medium dense, brown, Rec. = 0.3 ft, 44.0 ft - 46.0 ft	10-6-7-13 (13)						
47.0-51.0	47.0 ft, Drill action suggests cobbles 47 to 48.5 feet.							
51.0-55.0	Medium to fine SAND, trace Silt, wet, loose, brown, Rec. = 0.3 ft, 49.0 ft - 51.0 ft	1-2-7-						

NOTES:
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3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

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0-19	0.7 ft, 99.0 ft - 101.0 ft	19 (9)						
19-55	Medium to fine SAND, trace Silt, trace Gravel, trace organic matter, wet, very dense, brown, Rec. = 0.7 ft, 54.0 ft - 56.0 ft	14-18-14-55 (30)						
55-60	GRAVEL, some coarse to fine Sand, trace Silt, wet, very dense, gray/brown, Rec. = 0.5 ft, 59.0 ft - 61.0 ft	40-85-25-28 (110)						
60-65	Medium to fine SAND, trace Silt, wet, very dense, brown, Rec. = 0.3 ft, 64.0 ft - 66.0 ft	18-23-25-36 (48)						
65-70	Medium to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 0.5 ft, 69.0 ft - 71.0 ft	38-53-100/5* (100+)						
70-75	Medium to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 0.2 ft, 74.0 ft - 76.0 ft	37-53-100/5* (100+)						
75-80	Medium to fine SAND, little Gravel, trace Silt, wet, very dense, brown, Rec. = 0.2 ft, 79.0 ft - 81.0 ft	31-27-67-98 (94)						
80-85	Medium to fine SAND, little Gravel, some Silt, wet, very dense, brown, Rec. = 0.2 ft, 84.0 ft - 86.0 ft	100/4* (100+)						
85-90	87.0 ft, Telescoped 3-inch casing.							
90-95	Medium to fine SAND, little Gravel, some Silt, wet, very dense, brown, Rec. = 0.7 ft, 86.0 ft - 91.0 ft	49-66-43-41 (108)						
95-99	GRAVEL, and medium to fine Sand, trace Silt, wet, very dense, brown, Rec. = 0.3 ft, 94.0 ft - 96.0 ft	64-37-27-32 (64)						
99-99	Medium to fine SAND, some Gravel, trace Silt, wet, very dense, brown, Rec. =	69-53-						

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0-0.7	0.7 ft, 99.0 ft - 101.0 ft							
0.7-105.3	Medium to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 0.4 ft, 104.0 ft - 105.3 ft							
105.3-107.0	105.3 ft - 107.0 ft, Top of rock at 105.3 feet. Begin BX rock core at 107 feet.	1	8 (0)	51-45-100/5* (100+)				
107.0-111.0	107.0 ft - 111.0 ft, Gray, SCHIST, weathered.	2	8 (0)					
111.0-116.0	111.0 ft - 116.0 ft, Gray, SCHIST, weathered.							
116.0-116.0	Hole stopped @ 116.0 ft							

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PROJECT NAME: WINDSOR
PROJECT NUMBER: IM 091-1(64)

FILE NAME: z10o188BOR.dgn
PROJECT LEADER: J. WILSON
DESIGNED BY: C. BAISLY
BORING LOG INFORMATION SHEET #8

PLOT DATE: 7/30/2015
DRAWN BY: S. GUNN
CHECKED BY: D. HA
SHEET 53 OF 156