

BORING LOG INFORMATION

B-1

B-1 (CONT.)

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STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-1					
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: WB		Sampler: SS					
Date Started: 9/08/11 Date Finished: 9/15/11		I.D.: 4 in 1.38 in		Date: 09/12/11					
VTSPG NAD83: Station: 2920+96.00 Offset: 60LT		Hammer Wt: 300 140 lb.		Depth (ft): 74.0					
Ground Elevation: 455.0 ft		Hammer Fall: 24 30 in.		Notes:					
		Hammer/Rod Type: Safety/N							
		Rig: Dietrich D-25		C _u = 1.0					
Depth (ft)	Strata (1)	Classification of Materials (Description)	Run (ft) (Dip deg)	Core Rec. % (ROD %)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	x x x	Medium to fine SAND, some Silt, little Gravel, moist, medium dense, brown, Rec. = 1.0 ft, 0.0 ft - 2.0 ft	1-7-9-8 (16)		4-15-14-11 (29)				
10	x x x	GRAVEL, trace medium to fine Sand, moist, medium dense, gray, Rec. = 0.2 ft, 4.0 ft - 6.0 ft	7-11-10-13 (21)		3-12-21-24 (33)				
15	x x x	GRAVEL, trace medium to fine Sand, moist, medium dense, gray, Rec. = 0.3 ft, 9.0 ft - 11.0 ft	21-24-26-33 (50)		22-28-18-40 (46)				
20	x x x	GRAVEL, some medium to fine Sand, moist, medium dense, gray, Rec. = 0.5 ft, 14.0 ft - 16.0 ft	22-28-18-40 (46)		45-14-16-20 (30)	18.4	13.0	76.0	11.0
25	x x x	Fine SAND, trace Silt, moist very dense, brown, Rec. = 1.0 ft, 19.0 ft - 21.0 ft	22-28-18-40 (46)		11-8-10-12 (18)	23.6	1.0	91.4	7.6
30	x x x	Medium to fine SAND, some Gravel, little Silt, moist, dense, graybrown, Rec. = 0.5 ft, 24.0 ft - 26.0 ft	11-8-10-12 (18)		19-26-11-15 (37)				
35	x x x	A-2-4, moist, dense, light brown, Rec. = 1.7 ft, 29.0 ft - 31.0 ft	19-26-11-15 (37)		18-17-11-11 (28)	18.2	22.0	64.0	14.0
40	x x x	A-3, moist, medium dense, light brown, Rec. = 1.2 ft, 34.0 ft - 36.0 ft	18-17-11-11 (28)		11-7-				
45	x x x	Medium to fine SAND, and Gravel, trace Silt, moist, dense, graybrown, Rec. = 0.5 ft, 39.0 ft - 41.0 ft	11-7-						
50	x x x	Medium to fine SAND, trace Silt, moist, medium dense, light brown, Rec. = 1.3 ft, 44.0 ft - 46.0 ft							
55	x x x	Medium to fine SAND, trace Silt, moist, medium dense, light brown, Rec. = 1.3 ft, 49.0 ft - 51.0 ft							
60	x x x	Medium to fine SAND, trace Silt, moist, medium dense, light brown, Rec. = 0.8 ft, 54.0 ft - 56.0 ft							
65	x x x	58.0 ft, Drill action suggests cobble/rock fill 58 to 59 feet.							
70	x x x	Medium to fine SAND, little Silt, trace Gravel, moist, dense, gray, Rec. = 0.5 ft, 59.0 ft - 61.0 ft							
75	x x x	63.0 ft, Drill action suggests cobble/rock fill 63 to 64 feet.							
80	x x x	Medium to fine SAND, trace silt, trace gravel, moist, medium dense, light brown, Rec. = 0.8 ft, 64.0 ft - 66.0 ft							
85	x x x	Medium to fine SAND, trace silt, trace gravel, moist, very dense, light brown, Rec. = 0.8 ft, 69.0 ft - 71.0 ft							
90	x x x	Medium to fine SAND, trace silt, wet, dense, brown, Rec. = 1.0 ft, 74.0 ft - 76.0 ft							
95	x x x	Medium to fine SAND, trace silt, wet, very dense, brown, Rec. = 0.7 ft, 79.0 ft - 81.0 ft							
100	x x x	82.5 ft, Drill action suggests cobble/gravel 82.5 to 83.5 feet.							
105	x x x	Medium to fine SAND, trace silt, trace gravel, wet, Rec. = 1.2 ft, 84.0 ft - 86.0 ft							
110	x x x	A-1-b, wet, very dense, brown, Rec. = 1.0 ft, 89.0 ft - 91.0 ft					13.1	41.0	47.0
115	x x x	91.0 ft, Drill action suggests cobble/gravel 91 to 94 feet.							
120	x x x	Medium to fine SAND, little Gravel, trace Silt, wet, very dense, brown, Rec. = 0.8 ft, 94.0 ft - 96.0 ft							
125	x x x	Medium to fine SAND, little Gravel, trace Silt, wet, very dense, brown, Rec. = 1.2 ft, 99.0 ft - 101.0 ft							
130	x x x	Coarse to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 1.0 ft, 104.0 ft - 106.0 ft							
135	x x x	Coarse to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 1.2 ft, 109.0 ft - 111.0 ft							
140	x x x	Coarse to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 1.3 ft, 114.0 ft - 116.0 ft							
145	x x x	Medium to fine SAND, trace silt, trace gravel, wet, very dense, brown, Rec. = 1.0 ft, 119.0 ft - 121.0 ft							
150	x x x	Medium to fine SAND, some Silt, trace Gravel, wet, very dense, brown, Rec. = 0.5 ft, 124.0 ft - 124.8 ft							
155	x x x	125.5 ft, Drill action suggests weathered rock 125.5 to 131 feet.							
160	x x x	131.0 ft - 136.0 ft, Begin NX rock core at 131 feet. Gray SCHIST, hard, slightly weathered. Joints low to high angle, close to very close spacing, rough, stepped to undulating, moderately open to open.	1	63 (6)					
165	x x x	136.0 ft - 141.0 ft, Gray SCHIST, hard, slightly weathered to fresh. Joints low to high angle, close to very close spacing, rough, stepped to undulating, moderately open to open.	2	96 (13)					
170	x x x	Hole stopped @ 141.0 ft							

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60	x x x	58.0 ft, Drill action suggests cobble/rock fill 58 to 59 feet.							
65	x x x	Medium to fine SAND, trace silt, trace gravel, moist, medium dense, light brown, Rec. = 0.8 ft, 64.0 ft - 66.0 ft	32-24-29-29 (44)		37-30-32-35 (62)				
70	x x x	Medium to fine SAND, trace silt, trace gravel, moist, very dense, light brown, Rec. = 0.8 ft, 69.0 ft - 71.0 ft	37-30-32-35 (62)		21-19-19-19 (38)				
75	x x x	Medium to fine SAND, trace silt, wet, dense, brown, Rec. = 1.0 ft, 74.0 ft - 76.0 ft	21-19-19-19 (38)		28-32-31-32 (65)				
80	x x x	Medium to fine SAND, trace silt, wet, very dense, brown, Rec. = 0.7 ft, 79.0 ft - 81.0 ft	28-32-31-32 (65)		37-26-27-32 (63)				
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90	x x x	Medium to fine SAND, trace silt, trace gravel, wet, Rec. = 1.2 ft, 84.0 ft - 86.0 ft							
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105	x x x	Medium to fine SAND, little Gravel, trace Silt, wet, very dense, brown, Rec. = 0.8 ft, 94.0 ft - 96.0 ft	43-53-45-53 (59)		39-34				
110	x x x	Medium to fine SAND, little Gravel, trace Silt, wet, very dense, brown, Rec. = 1.2 ft, 99.0 ft - 101.0 ft							

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110	x x x	Coarse to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 1.2 ft, 109.0 ft - 111.0 ft	36-29-29-33 (57)		28-26-33-40 (59)				
115	x x x	Coarse to fine SAND, trace Silt, trace Gravel, wet, very dense, brown, Rec. = 1.3 ft, 114.0 ft - 116.0 ft	28-26-33-40 (59)		35-25-25-26 (50)				
120	x x x	Medium to fine SAND, trace silt, trace gravel, wet, very dense, brown, Rec. = 1.0 ft, 119.0 ft - 121.0 ft	35-25-25-26 (50)		92-1003* (100+)				
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145	x x x	Hole stopped @ 141.0 ft							

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 #6

PLOT DATE: 7/30/2015
DRAWN BY: S. GUNN
CHECKED BY: D. HA
SHEET 51 OF 156