

BORING LOG INFORMATION

B-5

B-5 (CONT.)

B-6

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-5				
WINDSOR IM-091-1 (64)		Page No.: 1 of 2		Pin No.:				
Checked By: SMC		Date: 08/30/11		Depth (ft): 5.5				
Boring Crew: New Hampshire Boring, Inc., IKC		Casing: WB		Sampler: SS				
Date Started: 8/30/11 Date Finished: 8/31/11		I.D.: 4 in 1.38 in		Date: 08/30/11				
VTSPG NAD83: Station: 2923+96.00 Offset: 40LT		Hammer Wt: 300 140 lb.		Notes: Storm Irene				
Ground Elevation: 403.0 ft		Hammer Fall: 24 30 in.		Post Tropical				
		Hammer/Rod Type: Safety/N		Groundwater Observations				
		Rig: Dietrich D-50		C ₁ = 1.0				
Depth (ft)	Strata (1)	Run (ft)	Core Rec. % (RCD %)	Blow Count (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-2.0	Medium to fine SAND, some Silt, moist, medium dense, brown, Rec. = 1.3 ft, 0.0 ft - 2.0 ft	2-5-11-15 (16)						
2.0-6.0	Medium to fine SAND, some Silt, little Gravel, wet, very dense, brown, Rec. = 1.5 ft, 4.0 ft - 6.0 ft	12-16-40-30 (56)						
7.5 ft, Note Drill action suggests cobbles/gravel 7.5 to 9 feet.								
6.0-10.0	GRAVEL and medium to fine SAND, little Silt, wet, very dense, brown, Rec. = 0.3 ft, 9.0 ft - 11.0 ft	21-19-26-27 (45)						
12.5 ft, Note Drill action suggests cobble 12.5 to 13 feet.								
10.0-15.0	A-2-4, wet, medium dense, brown, Rec. = 1.0 ft, 14.0 ft - 16.0 ft	7-5-7-10 (12)	23.7	1.0	87.0	12.0		
15.0-20.0	Medium to fine SAND, little Silt, wet, medium dense, brown, Rec. = 1.2 ft, 19.0 ft - 21.0 ft	6-6-7-11 (13)						
20.0-25.0	Medium to fine SAND, little Silt, wet, medium dense, brown, Rec. = 0.7 ft, 24.0 ft - 26.0 ft	8-10-10-11 (20)						
25.0-30.0	Medium to fine SAND, little Silt, wet, medium dense, brown, Rec. = 0.5 ft, 29.0 ft - 31.0 ft	5-5-7-8 (12)						
30.0-35.0	Medium to fine SAND, little Silt, wet, medium dense, brown, Rec. = 1.0 ft, 34.0 ft - 36.0 ft	6-6-12-15 (20)						
35.0-40.0	Medium to fine SAND, little Silt, wet, medium dense, brown, Rec. = 0.3 ft, 39.0 ft - 41.0 ft	8-9-10-11 (19)						
40.0-45.0	Medium to fine SAND, trace Silt, wet, dense, brown, Rec. = 1.3 ft, 44.0 ft - 46.0 ft	11-19-22-33 (41)						
45.0-51.0	Medium to fine SAND, trace Silt, wet, dense, brown, Rec. = 1.7 ft, 49.0 ft - 51.0 ft	6-12-						

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C₁ is the hammer energy correction factor. C₂ is an estimated value.
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.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-5				
WINDSOR IM-091-1 (64)		Page No.: 2 of 2		Pin No.:				
Checked By: SMC		Date: 08/30/11		Depth (ft): 5.5				
Boring Crew: New Hampshire Boring, Inc., IKC		Casing: WB		Sampler: SS				
Date Started: 8/30/11 Date Finished: 8/31/11		I.D.: 4 in 1.38 in		Date: 08/30/11				
VTSPG NAD83: Station: 2923+96.00 Offset: 40LT		Hammer Wt: 300 140 lb.		Notes: Storm Irene				
Ground Elevation: 403.0 ft		Hammer Fall: 24 30 in.		Post Tropical				
		Hammer/Rod Type: Safety/N		Groundwater Observations				
		Rig: Dietrich D-50		C ₁ = 1.0				
Depth (ft)	Strata (1)	Run (ft)	Core Rec. % (RCD %)	Blow Count (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-55.0	Medium to fine SAND, some Gravel, trace Silt, wet, dense, brown, Rec. = 1.2 ft, 54.0 ft - 56.0 ft	43-50-47-36 (97)						
58.0 ft - 59.0 ft, Top of bedrock at 58 feet. Begin NX rock core at 59 feet.								
59.0-64.0	Gray, SCHIST, hard, fresh, Joints, low angle to moderately dipping, close spacing, rough, stepped to undulating, fresh to discolored, moderately open to open.	96 (81)						
64.0-69.0	Gray, SCHIST, hard, fresh, Joints, low angle to moderately dipping, close spacing, rough, stepped to undulating, fresh to discolored, moderately open to open.	100 (81)						
Hole stopped @ 66.0 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. C₁ is the hammer energy correction factor. C₂ is an estimated value.
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.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-6				
WINDSOR IM-091-1 (64)		Page No.: 1 of 1		Pin No.:				
Checked By: SMC		Date: 08/29/11		Depth (ft): Not encountered				
Boring Crew: New Hampshire Boring, Inc., IKC		Casing: WB		Sampler: SS				
Date Started: 8/24/11 Date Finished: 8/24/11		I.D.: 4 in 1.38 in		Date: 08/29/11				
VTSPG NAD83: Station: 2926+96.00 Offset: 57RT		Hammer Wt: 300 140 lb.		Notes: Not encountered				
Ground Elevation: 462.0 ft		Hammer Fall: 24 30 in.		Post Tropical				
		Hammer/Rod Type: Safety/N		Groundwater Observations				
		Rig: Dietrich D-50		C ₁ = 1.0				
Depth (ft)	Strata (1)	Run (ft)	Core Rec. % (RCD %)	Blow Count (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-1.0	Medium to fine SAND, some Silt, little Gravel, moist, very dense, brown, Rec. = 1.0 ft, 0.0 ft - 2.0 ft	1-7-50-17 (37)						
1.0-6.0	A-1-b, moist, medium dense, brown, Rec. = 1.0 ft, 4.0 ft - 6.0 ft	10-17-18-20 (35)	12.0	5.0	88.6	8.4		
6.0-10.0	Medium to fine SAND, some Silt, little Gravel, moist, very dense, gray, Rec. = 0.1 ft, 9.0 ft - 9.1 ft	93 (82)						
10.0-15.0	9.1 ft - 14.1 ft, Gray, SCHIST, hard, fresh, Joints, high angle, close spacing, smooth to rough, stepped to undulating, fresh to discolored, tight to moderately open.	75 ¹¹ (75 ¹¹)						
15.0-19.1	14.1 ft - 19.1 ft, Gray, SCHIST, hard, fresh, Joints, high angle, close spacing, smooth to rough, stepped to undulating, fresh to discolored, tight to moderately open.	100 (90)						
Hole stopped @ 19.1 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. C₁ is the hammer energy correction factor. C₂ is an estimated value.
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.

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 #9

PLOT DATE: 7/30/2015
DRAWN BY: S. GUNN
CHECKED BY: D. HA
SHEET 54 OF 156