

BORING LOG INFORMATION

SB-1

SB-1 (CONT.)

SB-2

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: SB-1				
Windsor IM 091-1 (64) I-91 Bridges 33N & 33S		Page No.: 1 of 2		Pin No.: TT				
Checked By: TT		Boring Crew: D. Palmer, NHB, D. Melcher, JEG		Groundwater Observations				
Date Started: 1/17/13 Date Finished: 1/23/13		Type: WB	Sampler: SS	Date	Depth (ft)			
VTSPG NAD83: N 347365.84 ft E 1665073.90 ft		I.D.: 4 in	1.38 in					
Station: 2922+20.87 Offset: LT_13.43 I-91 SB		Hammer Wt: 300 lb	140 lb	01/21/13	9.95			
Ground Elevation: 404.9 ft		Hammer Fall: 30 in	30 in	01/22/13	9.86			
		Hammer/Rod Type: Safety						
		Rig: Dietrich D50	C _u = 1.0					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lb/ft)	Blow* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
18-17		S-1: WELL GRADED GRAVEL with SAND; fine to coarse angular gravel, some fine to coarse sand, dry, dense, gray, Rec. = 2.0 ft, 0.0 ft - 2.0 ft	31-32	(48)				
46-7		S-2: WELL GRADED GRAVEL with SAND and SILT; fine to coarse angular gravel, some fine to coarse sand, little silt, dry, medium dense, grayish brown, Rec. = 1.0 ft, 4.0 ft - 6.0 ft	14-19	(21)				
10-14		S-3: WELL GRADED SAND with GRAVEL and SILT; fine to coarse sand, some fine to coarse subrounded to angular gravel, little silt, wet, medium dense, brown, Rec. = 1.33 ft, 9.0 ft - 11.0 ft	16-16	(30)				
37-35		S-4: WELL GRADED GRAVEL with SAND and SILT; fine to coarse subrounded to subangular gravel, some fine sand, trace medium to coarse sand, little silt, wet, very dense, brown, Rec. = 0.5 ft, 15.0 ft - 17.0 ft	22-22	(57)				
12-14		S-5: NO RECOVERY; multiple attempts to recover soil, Rec. = 0.0 ft, 16.0 ft - 21.0 ft	15-12	(28)				
9-10		S-6: POORLY GRADED SAND; fine sand, some medium sand, trace coarse sand, trace fine to coarse rounded gravel, wet, medium dense, brown, Rec. = 2.0 ft, 24.0 ft - 26.0 ft	14-14	(24)				
9-12		S-7: POORLY GRADED SAND; fine sand, some medium sand, trace coarse sand, trace fine rounded gravel, wet, medium dense, brown, Rec. = 1.33 ft, 28.0 ft - 31.0 ft	11-14	(23)				
4-8-9		S-8: POORLY GRADED SAND; fine to medium sand, trace coarse sand, trace fine rounded gravel, wet, medium dense, brown, Rec. = 1.5 ft, 34.0 ft - 36.0 ft	9	(17)				
13-15		S-9: POORLY GRADED SAND; fine sand, little medium sand, trace coarse sand, wet, medium dense, brown, Rec. = 1.0 ft, 39.0 ft - 41.0 ft	12-13	(27)				
11-12		S-10: POORLY GRADED SAND; fine sand, little medium sand, wet, medium dense, brown, Rec. = 1.0 ft, 44.0 ft - 46.0 ft	12-11	(24)				
10-11		S-11: POORLY GRADED SAND; fine sand, wet, medium dense,						

Notes:
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Ground Elevation: 404.9 ft		Hammer Fall: 30 in	30 in	01/22/13	9.86			
		Hammer/Rod Type: Safety						
		Rig: Dietrich D50	C _u = 1.0					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lb/ft)	Blow* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		brown, Rec. = 1.17 ft, 49.0 ft - 51.0 ft		15-12	(26)			
55		S-12: POORLY GRADED SAND; fine sand, some medium sand, little coarse sand, trace fine rounded gravel, wet, medium dense, brown, Rec. = 1.33 ft, 54.0 ft - 56.0 ft		9-9	11-11	(20)		
60		S-13: POORLY GRADED SAND; fine sand, little medium sand, trace coarse sand, wet, medium dense, brown, Rec. = 1.5 ft, 59.0 ft - 61.0 ft		9-11	12-15	(23)		
65		S-14: POORLY GRADED SAND; fine sand, trace medium sand, wet, medium dense, brown, Rec. = 1.33 ft, 64.0 ft - 66.0 ft		15-14	15-24	(29)		
70		S-15: POORLY GRADED SAND; fine sand, trace medium sand, wet, medium dense, brown, Rec. = 1.33 ft, 69.0 ft - 71.0 ft		10-11	11-13	(22)		
75		S-16: POORLY GRADED SAND; fine sand, little medium sand, trace coarse sand, wet, medium dense, brown, Rec. = 1.0 ft, 74.0 ft - 76.0 ft		14-16	14-17	(30)		
80		S-17: WELL GRADED GRAVEL with SAND and SILT; fine to coarse subrounded to angular gravel, some fine to coarse sand, little silt, wet, very dense, brown, TLL, Rec. = 1.5 ft, 79.0 ft - 81.0 ft		40-47	62-32	(109)		
		TOP OF BEDROCK - via roller bit, 82.0 ft - 83.0 ft						
		83.0 ft - 85.0 ft, C-1: SCHIST; hard, very slightly weathered to fresh, slightly fractured, gray, fine grained, close, moderately dipping joints, NXDC	C-1	97	4	6	8	8
		88.0 ft - 93.0 ft, C-2: SCHIST; hard, very slightly weathered to fresh, slightly fractured, gray, fine grained, close, moderately dipping joints, pyrite inclusions, NXDC	C-2	100	6	7	6	11
		Hole stopped @ 93.0 ft						

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STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: SB-2				
Windsor IM 091-1 (64) I-91 Bridges 33N & 33S		Page No.: 1 of 1		Pin No.: TT				
Checked By: TT		Boring Crew: B. Thompson, NHB, T. Telesco, JEG		Groundwater Observations				
Date Started: 1/18/13 Date Finished: 1/18/13		Type: WB	Sampler: SS	Date	Depth (ft)			
VTSPG NAD83: N 347885.30 ft E 1665083.24 ft		I.D.: 4 in	1.38 in					
Station: 2925+40.34 Offset: LT_10.40 I-91 SB		Hammer Wt: 300 lb	140 lb	01/18/13	10.0			
Ground Elevation: 409.3 ft		Hammer Fall: 30 in	30 in		Upon completion			
		Hammer/Rod Type: Auto						
		Rig: CME 550X	C _u = 1.2					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lb/ft)	Blow* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		S-1: SILTY SAND; fine to medium sand, trace coarse sand, little silt, trace gravel, possible weathered rock in tip of spoon, moist, loose, brown, Rec. = 1.25 ft, 0.0 ft - 2.0 ft		3-3-6	9	(9)		
5		Hard drilling at 3.5 feet, roller bit to 5 feet, attempt spoon, 3.5 ft - 5.0 ft						
		S-2: NO RECOVERY; refusal, bedrock encountered, Rec. = 0.0 ft, 5.0 ft - 5.08 ft	C-1	90	3	50/1'		
		5.08 ft - 10.08 ft, C-1: SCHIST; very hard to hard, very slightly weathered to slightly weathered, fine grained, gray, moderately close, moderately dipping fractures, very thin moderately dipping bedding in bottom 29', pyrite inclusions at joints and within core length, NXDC		(87)				
		10.08 ft - 15.08 ft, C-2: SCHIST; very hard, very slightly weathered, slightly fractured, moderately close, moderately dipping fractures, very severe weathering at one joint, pyrite inclusions at joints and within core length, NXDC	C-2	80	5			
		Hole stopped @ 15.08 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 #3

PLOT DATE: 7/30/2015
DRAWN BY: S. GUNN
CHECKED BY: D. HA
SHEET 48 OF 156