

BORING LOG INFORMATION

C-1

C-2

C-3/SB-6

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: C-1			
Windsor IM 091-1 (64) I-91 Bridges 33N & 33S		Page No.: 1 of 1		Pin No.: TT			
Boring Crew: D. Palmer, NHB, D. Melcher, JEG		Casing Sampler		Groundwater Observations			
Date Started: 1/14/13 Date Finished: 1/14/13		Type: WB SS	Date	Depth (ft)	Notes		
VTSPG NAD83: N 347176.26 ft E 1665090.83 ft		Hammer Wt: 300 lb. 140 lb.	01/14/13		Not Encountered		
Station: 2920+31.56 Offset: RT, 7.28 I-91 SB		Hammer Fall: 30 in. 30 in.					
Ground Elevation: 480.1 ft		Hammer/Rod Type: Safety					
		Rig: Dietrich D50 C _r = 1.0					
Depth (ft)	Strata (t)	CLASSIFICATION OF MATERIALS (Description)	Blow* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0		ASPHALT, cored through pavement, 0.0 ft - 0.63 ft					
0.63		S-1: WELL GRADED GRAVEL with SILT and SAND, fine to coarse angular gravel, some fine to coarse sand, trace silt, dry, very dense, gray, No Recovery after 100 blows/5', redrove spoon w/300 lb hammer for recovery following initial refusal w/140 lb hammer, Rec. = 2.0 ft, 1.0 ft - 3.0 ft	100/5'		75.0	19.0	6.0
3.63		S-2: WELL GRADED SAND with GRAVEL, fine to medium sand, little coarse sand, some fine to coarse angular gravel, dry, very dense, brown, Rec. = 1.83 ft, 3.0 ft - 4.83 ft	56-99 100/4'				
4.83		Hole stopped @ 4.83 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. C_r is the hammer energy correction factor.
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.: C-2			
Windsor IM 091-1 (64) I-91 Bridges 33N & 33S		Page No.: 1 of 1		Pin No.: TT			
Boring Crew: D. Palmer, NHB, D. Melcher, JEG		Casing Sampler		Groundwater Observations			
Date Started: 1/14/13 Date Finished: 1/14/13		Type: WB SS	Date	Depth (ft)	Notes		
VTSPG NAD83: N 347910.49 ft E 1665104.06 ft		Hammer Wt: 300 lb. 140 lb.	01/14/13		Not Encountered		
Station: 2927+65.90 Offset: RT, 5.96 I-91 SB		Hammer Fall: 30 in. 30 in.					
Ground Elevation: 489.3 ft		Hammer/Rod Type: Safety					
		Rig: Dietrich D50 C _r = 1.0					
Depth (ft)	Strata (t)	CLASSIFICATION OF MATERIALS (Description)	Blow* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0		ASPHALT, cored through pavement, 0.0 ft - 0.45 ft					
0.45		S-1: WELL GRADED GRAVEL with SILT and SAND, fine to coarse angular gravel, some fine to coarse sand, trace silt, dry, very dense, gray, Rec. = 1.5 ft, 1.0 ft - 3.0 ft	75-64 64-52 (128) 81 100/4'		71.0	23.0	6.0
3.8		S-2: WELL GRADED SAND with GRAVEL, fine to coarse sand, little fine to coarse subangular to angular gravel, trace silt, dry, very dense, grayish brown, Rec. = 0.67 ft, 3.0 ft - 3.8 ft					
3.8		Hole stopped @ 3.8 ft					

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STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: C-3/SB-6			
Windsor IM 091-1 (64) I-91 Bridges 33N & 33S		Page No.: 1 of 1		Pin No.: TT			
Boring Crew: D. Palmer, NHB, D. Melcher, JEG		Casing Sampler		Groundwater Observations			
Date Started: 1/14/13 Date Finished: 1/14/13		Type: WB SS	Date	Depth (ft)	Notes		
VTSPG NAD83: N 347910.00 ft E 1665111.07 ft		Hammer Wt: 300 lb. 140 lb.	01/14/13		Not encountered		
Station: 2927+65.56 Offset: RT, 12.99 I-91 SB		Hammer Fall: 30 in. 30 in.					
Ground Elevation: 489.2 ft		Hammer/Rod Type: Safety					
		Rig: Dietrich D50 C _r = 1.0					
Depth (ft)	Strata (t)	CLASSIFICATION OF MATERIALS (Description)	Run (ft) (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0		ASPHALT, cored through pavement, 0.0 ft - 0.4 ft					
0.4		S-1: WELL GRADED GRAVEL with SILT and SAND, fine to coarse angular to subangular gravel, some fine to coarse sand, trace silt, dry, very dense, gray, Rec. = 1.58 ft, 1.0 ft - 3.0 ft	35-31 40-32 (71) 33-35 35-34 (68) 15-14 11-8 (26)		69.0	23.0	8.0
3.0		S-2: (0-12") WELL GRADED GRAVEL with SAND, fine to coarse angular to subangular gravel, some fine to coarse sand, dry, very dense, gray (12-16") POORLY GRADED SAND, fine to medium sand, trace fine to coarse rounded gravel, dry, very dense, brown, Rec. = 1.33 ft, 3.0 ft - 5.0 ft					
5.0		S-3: POORLY GRADED SAND, fine sand, little medium sand, trace coarse sand, trace fine subrounded to rounded gravel, dry, medium dense, brown, Rec. = 1.17 ft, 5.0 ft - 7.0 ft	C-1 98 (57)				
7.0		S-4: POORLY GRADED SAND, fine to medium sand, trace coarse sand, trace fine subrounded to rounded gravel, trace silt, dry, very dense, brown, Rec. = 0.5 ft, 10.0 ft - 10.67 ft					
10.67		10.67 ft - 15.67 ft C-1: SCHIST, hard, slightly weathered to fresh, slightly fractured, gray, fine grained, close, moderately dipping joints. NXDC					
15.67		15.67 ft - 20.67 ft C-2: SCHIST, medium to hard, slightly weathered to fresh, slightly fractured, gray, fine grained, close, moderately dipping joints, iron staining at joints. NXDC	C-2 95 (78)				
20.67		Hole stopped @ 20.67 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 *1
PLOT DATE: 7/30/2015
DRAWN BY: S. GUNN
CHECKED BY: D. HA
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