

FILE NAME = V:\Projects\ANY\K2\23770\CADD\MSTN_11b\326_bor_log_05.dgn
 DATE/TIME = 8/21/2012
 USER = 4966

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-7A			
Boring Crew: <u>J. Leonhardt, K. Owens</u> Date Started: <u>1/26/12</u> Date Finished: <u>1/26/12</u> VTSPG NAD83: <u>N 140373.00 ft E 1463966.23 ft</u> Station: <u>4+15.20</u> Offset: <u>12.6 LT</u> Ground Elevation: <u>932.45 ft</u>		Bridge 9, VT Route 9 23770.1000.32000 Bridge 9, VT Route 9		Page No.: <u>1 of 1</u> Pin No.: <u>ER BHF 010-1(45)</u> Checked By: <u>C. Symmes</u>			
Type: <u>WB SS</u> I.D.: <u>4 in 1.25 in</u> Hammer Wt: <u>N.A. 140 lb.</u> Hammer Fall: <u>N.A. 30 in.</u> Hammer/Rod Type: <u>Auto/NWJ</u> Rig: <u>CME 75 TRACK</u> $C_c = 1.4$		Casing Sampler Date Depth Notes (ft)		Groundwater Observations Date Depth Notes (ft)			
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5		Not Sampled					
5		Hole stopped @ 5.0 ft					
10		Remarks: The description of the classification of the materials is based on USCS criteria that gravel is defined as material retained on a #4 sieve or larger. Laboratory data provided follows AASHTO classification guidelines that gravel is defined as material retained on a #10 sieve or larger. Offset from B-7, attempt to resume sampling at refusal depth of B-7. Advance casing through asphalt pavement. Casing refusal at 5.0', offset to B-7B.					
15							
20							
25							
30							
35							
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_c 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.: B-7B			
Boring Crew: <u>J. Leonhardt, K. Owens</u> Date Started: <u>1/26/12</u> Date Finished: <u>1/27/12</u> VTSPG NAD83: <u>N 140373.28 ft E 1463967.76 ft</u> Station: <u>4+16.70</u> Offset: <u>13.0 LT</u> Ground Elevation: <u>932.24 ft</u>		Bridge 9, VT Route 9 23770.1000.32000 Bridge 9, VT Route 9		Page No.: <u>1 of 1</u> Pin No.: <u>ER BHF 010-1(45)</u> Checked By: <u>C. Symmes</u>			
Type: <u>WB SS</u> I.D.: <u>4 in 1.25 in</u> Hammer Wt: <u>N.A. 140 lb.</u> Hammer Fall: <u>N.A. 30 in.</u> Hammer/Rod Type: <u>Auto/NWJ</u> Rig: <u>CME 75 TRACK</u> $C_c = 1.4$		Casing Sampler Date Depth Notes (ft)		Groundwater Observations Date Depth Notes (ft)			
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5		Not Sampled					
5		No recovery, Rec. = 0.0 ft					
10							
15		(Granular FILL), <u>f.m.c. SAND</u> , trace silt trace f.c. gravel medium compact, brown, Wet, Rec. = 0.4 ft	6-12-91-13 (103)				
20		(Granular FILL), <u>f.m.c. SAND</u> , Some f.c. Gravel, trace silt medium compact, brown, Wet, Rec. = 0.4 ft	9-7-21-20 (28)				
25							
30							
35							
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_c 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.: B-7C			
Boring Crew: <u>J. Leonhardt, K. Owens</u> Date Started: <u>1/30/12</u> Date Finished: <u>1/30/12</u> VTSPG NAD83: <u>N 140371.55 ft E 1463995.70 ft</u> Station: <u>4+43.90</u> Offset: <u>13.4 LT</u> Ground Elevation: <u>932.29 ft</u>		Bridge 9, VT Route 9 23770.1000.32000 Bridge 9, VT Route 9		Page No.: <u>1 of 1</u> Pin No.: <u>ER BHF 010-1(45)</u> Checked By: <u>C. Symmes</u>			
Type: <u>WB SS</u> I.D.: <u>4 in 1.25 in</u> Hammer Wt: <u>N.A. 140 lb.</u> Hammer Fall: <u>N.A. 30 in.</u> Hammer/Rod Type: <u>Auto/NWJ</u> Rig: <u>CME 75 TRACK</u> $C_c = 1.4$		Casing Sampler Date Depth Notes (ft)		Groundwater Observations Date Depth Notes (ft)			
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5		No recovery					
5		Hole stopped @ 5.0 ft					
10		Remarks: The description of the classification of the materials is based on USCS criteria that gravel is defined as material retained on a #4 sieve or larger. Laboratory data provided follows AASHTO classification guidelines that gravel is defined as material retained on a #10 sieve or larger. Offset from B-7B, attempt to resume sampling at refusal depth of B-7B. Advance casing through asphalt pavement. Boring terminated at 5.0' due to large amount of fines washing out from drilling operations.					
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35							
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_c 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.							

**BORING LOGS
SHEET #5**



PROJECT NAME: **BENNINGTON**
 PROJECT NUMBER: **ER BHF 010-1(45)**

FILE NAME: **z1lb326_bor_log_05.dgn**
 PROJECT LEADER: **D.E.G.**
 DESIGNED BY: **K.J.K.**
 DWG. NO.: **z1lb326borlog5.1**

PLOT DATE: **8/21/2012**
 DRAWN BY: **M.E.D.**
 CHECKED BY: **D.E.G.**
 SHEET **21** OF **40**