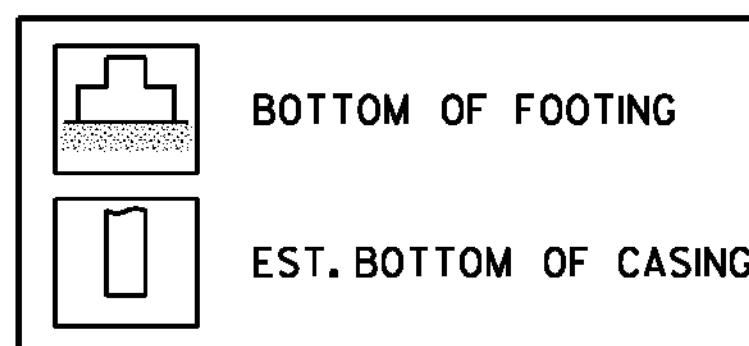
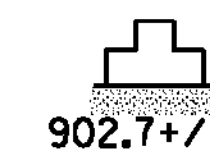


STATE OF VERMONT VTTrans AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-2				
Bridge 9, VT Route 9 23770.1000.32000 Bridge 9, VT Route 9		Page No.: 1 of 1		Pin No.: ER BHF 010-1(45)				
Boring Crew: J. Leonhardt, K. Owens		Type: WB SS		Checked By: C. Symmes				
Date Started: 2/01/12 Date Finished: 2/01/12		Casing I.D.: 4 in 1.25 in		Sampler I.D.: 1.25 in				
VTSPG NAD83: N 140364.27 ft E 1463684.91 ft		Hammer Wt: N.A. 140 lb.		Date				
Station: 1+34.60 Offset: 7.6 RT		Hammer Fall: N.A. 30 in.		Depth (ft)				
Ground Elevation: 928.85 ft		Hammer/Rod Type: Auto/NWJ		Notes				
		Rig: CME 75 TRACK C _p = 1.4						
Depth (ft)	Strata (f)	CLASSIFICATION OF MATERIALS (Description)	Run (ft) (C/F Log)	Bowls* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.8	Asphalt Pavement (Granular FILL)		C-1					
5	(Granular FILL), f.m.c. SAND, little f.c. gravel, trace silt, compact, gray, Wet, Rec. = 0.5 ft			7-15-27-26 (42)				
10	No recovery, Rec. = 0.0 ft			36-23-32-22 (55)				
Hole stopped @ 11.0 ft								
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. Very difficult drilling ground surface to boring termination. Boring terminated at 11.0' at casing refusal, offset to B-2A.								
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 _p 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 VTTrans AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-2A				
Bridge 9, VT Route 9 23770.1000.32000 Bridge 9, VT Route 9		Page No.: 1 of 1		Pin No.: ER BHF 010-1(45)				
Boring Crew: J. Leonhardt, K. Owens		Type: WB SS		Checked By: C. Symmes				
Date Started: 2/02/12 Date Finished: 2/02/12		Casing I.D.: 4 in 1.25 in		Sampler I.D.: 1.25 in				
VTSPG NAD83: N 140386.15 ft E 1463648.56 ft		Hammer Wt: N.A. 140 lb.		Date				
Station: 1+00.00 Offset: 6.2 RT		Hammer Fall: N.A. 30 in.		Depth (ft)				
Ground Elevation: 927.99 ft		Hammer/Rod Type: Auto/NWJ		Notes				
		Rig: CME 75 TRACK C _p = 1.4						
Depth (ft)	Strata (f)	CLASSIFICATION OF MATERIALS (Description)	Run (ft) (C/F Log)	Bowls* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.8	Asphalt Pavement		C-1					
5	Not Sampled							
10	Hole stopped @ 9.0 ft							
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-2, attempt to resume sampling at depth of B-2 termination. Very difficult drilling ground surface to termination depth. Boring terminated at 9.0' at casing refusal.								
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 _p 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 VTTrans AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-3						
Bridge 9, VT Route 9 23770.1000.32000 Bridge 9, VT Route 9		Page No.: 1 of 3		Pin No.: ER BHF 010-1(45)						
Boring Crew: J. Leonhardt, K. Owens		Type: WB SS		Checked By: C. Symmes						
Date Started: 1/23/12 Date Finished: 1/24/12		Casing I.D.: 4 in 1.25 in		Sampler I.D.: 1.25 in						
VTSPG NAD83: N 140396.05 ft E 1463762.64 ft		Hammer Wt: N.A. 140 lb.		Date						
Station: 2+11.60 Offset: 25.6 LT		Hammer Fall: N.A. 30 in.		Depth (ft)						
Ground Elevation: 904.6 ft		Hammer/Rod Type: Auto/NWJ		Notes						
		Rig: CME 75 TRACK C _p = 1.4								
Depth (ft)	Strata (f)	CLASSIFICATION OF MATERIALS (Description)	Run (ft) (C/F Log)	Bowls* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 0.2	(Granular FILL), f.c. GRAVEL, Some f.m.c. Sand, little silt, very compact, Light brown, Moist, Rec. = 0.2 ft			90/3 (8)						
0.2 - 0.9	(Granular FILL), Similar Soil, Rec. = 0.9 ft			20-28-51-80 (73)						
0.9 - 1.4	(ML), Clayey SILT, Some f.m.c. Sand, trace f. gravel, hard, Light brown/gray/white, Moist, Rec. = 0.7 ft			61-37-31-31 (68)						
1.4 - 1.9	(ML), Clayey SILT, AND f.m.c. SAND, trace f. gravel, hard, Light brown/gray, Moist, Rec. = 1.4 ft, 1" seams of f.m.c. sand			25-17-15-23 (32)	19.2	8.6	29.5	61.9	31	8
1.9 - 2.0	(ML), Clayey SILT, Some f.m.c. Sand, little f. gravel, very stiff, Light brown/gray, Moist, Rec. = 1.9 ft, Seams of f.m.c. sand			5-8-12-16 (20)	20.0	18.4	24.0	57.6		
2.0 - 2.4	(ML), Clayey SILT, Some f.m.c. Sand, hard, Light brown/orange/white/gray, Moist, Rec. = 1.7 ft, Turns brown at 15.4'			36-26-28-36 (34)						
2.4 - 2.7	(ML), Clayey SILT, Some f.m.c. Sand, trace f. gravel, very stiff, brown/white, Moist, Rec. = 1.7 ft, Lenses of f.m.c. sand			12-12-15-15 (27)						
2.7 - 3.4	(ML), becomes hard, Rec. = 1.6 ft, Lenses of f.m.c. sand			11-15-19-16 (34)						
3.4 - 3.6	(ML), becomes very stiff, Rec. = 1.8 ft, Lenses of wet f. sand			6-6-12-18 (18)						
3.6 - 3.7	(SM)									
3.7 - 3.8	(SM), f.m.c. SAND, Some clayey Silt, trace f. gravel, very compact, brown/dark brown, Wet, Rec. = 1.5 ft			22-25-30-37 (55)	15.3	7.1	67.9	25.0		
3.8 - 4.0	(SM), Similar Soil, Rec. = 2.0 ft			23-26-						
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 _p 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 #1	PROJECT NAME: BENNINGTON	PLOT DATE: 8/21/2012
	PROJECT NUMBER: ER BHF 010-1(45)	DRAWN BY: M.E.G.
	FILE NAME: z1lb326_bor_log_01.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: K.J.K.	SHEET 17 OF 40
	DWG. NO.: z1lb326borlog1	

FILE NAME: V:\Projects\ANY\K2\23770\CADD\MSTN\z1lb326_bor_log_01.dgn
 DATE/TIME: 8/21/2012 10:45:46 AM
 USER: M.E.G.