

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-1				
				CORINTH BRO 1447(29) Bridge #36		Page No.: 1 of 1				
				Checked By: TAD						
Boring Crew: NH Boring, Derry, NH, Burke (Stantec)		Type: H.S.A. SS		Groundwater Observations						
Date Started: 2/22/13 Date Finished: 2/22/13		Casing I.D.: 4.25 in 1.38 in		Date	Depth (ft)	Notes				
VTSPG NAD83: N 570298.60 ft E 1713251.31 ft		Hammer Wt: N.A. 140								
Station: 101+91.41 Offset: 7.21 RT		Hammer Fall: N.A. 30								
Ground Elevation: 702.7 ft		Hammer/Rod Type: Safety/N								
		Rig: CME 750 <<SUB><<SUB> = 1								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Not Sampled, Soil was frozen topsoil								
		Visual Classification, Sa, brn, Moist, Rec. = 0.7 ft				16-9-7-7 (16)				
		Visual Classification, SiSa, brn, Moist, Rec. = 0.7 ft								
2.5		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft				13-15-13-9 (28)	15.7	9.2	63.8	27.0
5.0		Visual Classification, SiSa, Dk/brn, Moist, Rec. = 1.5 ft				2-2-1-1 (3)				
		A-2-4, SiSa, Dk/brn, Moist, Rec. = 0.5 ft					26.9	6.2	62.8	31.0
7.5		A-8, Peat, organic content = 18.4%, Dk/brn, Moist, Rec. = 0.8 ft				3-4-100/1 (R)	106.4			
		Visual Classification, SiSa, Dk/gry, Moist, Rec. = 0.1 ft								
		Probable weathered rock, 8.1 ft - 8.5 ft								
		8.5 ft - 13.5 ft, Gry, Phyllite, Hard, Fresh, Fair rock, NXDC, Joints are low angle, closely spaced, smooth to rough, and tight. RMR = 44	1 (30)	95 (65)	7					
10.0					5					
					6					
					6					
12.5					7					
		13.5 ft - 18.5 ft, Gry, Phyllite, Hard, Fresh, Fair rock, NXDC, Joints are low angle, close to moderately close spaced, smooth, and tight. RMR = 51	2 (30)	97 (97)	6					
15.0					6					
					7					
					7					
17.5					5					
		Hole stopped @ 18.5 ft								
Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. <<SUB><<SUB> 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.										

ABUTMENT I
TOP OF FOOTING
EL. 694.00

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-2				
				CORINTH BRO 1447(29) Bridge #36		Page No.: 1 of 1				
				Checked By: TAD						
Boring Crew: NH Boring, Derry, NH, Burke (Stantec)		Type: H.S.A. SS		Groundwater Observations						
Date Started: 2/21/13 Date Finished: 2/21/13		Casing I.D.: 4.25 in 1.38 in		Date	Depth (ft)	Notes				
VTSPG NAD83: N 570269.09 ft E 1713252.43 ft		Hammer Wt: N.A. 140								
Station: 102+09.71 Offset: 30.25 RT		Hammer Fall: N.A. 30								
Ground Elevation: 703.0 ft		Hammer/Rod Type: Safety/N								
		Rig: CME 750 <<SUB><<SUB> = 1								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Not Sampled, Frozen soil								
		Visual Classification, Sa, gry, Moist, Rec. = 1.7 ft				29-40-53-68 (93)				
2.5		Visual Classification, GrSa, gry, Moist, Rec. = 0.2 ft				29-21-22-24 (43)				
		Visual Classification, Peat, Dk/brn, Moist, Rec. = 0.8 ft								
5.0		Visual Classification, Peat, Dk/brn, Moist, Rec. = 0.2 ft				2-1-1-2 (2)				
		Visual Classification, Peat, Dk/brn, Moist, Rec. = 0.5 ft				2-2-1-2 (3)				
7.5										
		A-8, Peat, organic content = 8.6%, Dk/brn, Moist, Rec. = 2.0 ft				1-2-1-2 (3)	58.3			
10.0										
		Visual Classification, Peat, Dk/brn, Moist, Rec. = 1.5 ft				3-3-4-8 (7)				
12.5										
		A-1-b, SiSa, gry, Moist, Rec. = 0.3 ft					27.1	15.0	61.0	24.0
15.0		No Recovery, Rec. = 0.0 ft, 15.0 ft - 15.1 ft				100/1 (R)				
		Hole stopped @ 15.1 ft								
		Remarks: Auger refusal on probable bedrock at 15.1 feet below ground surface.								
17.5										
Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. <<SUB><<SUB> 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.										

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PROJECT NAME: CORINTH	PLOT DATE: 8/4/2014
PROJECT NUMBER: BRO 1447(29)	DRAWN BY: J. SOTER
FILE NAME: ...drawing\201292_bor1.dgn	DESIGNED BY: M. CHENETTE
PROJECT LEADER: G. BOGUE	CHECKED BY: G. BOGUE
BORING LOG 1	SHEET 20 OF 57