

VTTrans Working to Get You There		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-2					
				St. Johnsbury BRO 1447(30)		Page No.: 1 of 3					
				TH 371, Bridge #46 Over Sleepers River		Pin No.: 12J164					
				Checked By: TAD							
Boring Crew: <u>NH Boring, Derry, NH, Burke (Stantec)</u>		Casing Sampler		Groundwater Observations							
Date Started: <u>12/04/13</u> Date Finished: <u>2/06/13</u>		Type: <u>WASH BORE SS</u>		Date	Depth (ft)	Notes					
VTSPG NAD83: <u>N 696223.63 ft E 1766260.41 ft</u>		I.D.: <u>4 in</u> <u>1.38 in</u>		12/06/13	15.0						
Station: <u>15+98.34</u> Offset: <u>7.35 RT</u>		Hammer Wt: <u>300 lb.</u> <u>140 lb.</u>									
Ground Elevation: <u>557.0 ft</u>		Hammer Fall: <u>24 in</u> <u>30 in.</u>									
		Hammer/Rod Type: <u>Safety/N</u>									
		Rig: <u>N.H. BORING - Truck</u> <u>C_r = 1</u>									
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt, 0.0 ft - 0.25 ft									
		Sand, 0.25 ft - 0.42 ft									
		Concrete with rebar., 0.42 ft - 1.92 ft									
		Visual Classification, GrSa, brn, Moist, Rec. = 0.7 ft					2-3-5-3 (8)				
5		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft					3-4-5-4 (9)	8.6	33.0	60.0	7.0
		Visual Classification, GrSa, blk-brn, Wet, Rec. = 0.3 ft					4-3-8-5 (11)				
		Visual Classification, Wood, Rec. = 0.3 ft					7-24-10-7 (34)				
10		Visual Classification, GrSa, brn, Wet, Rec. = 0.7 ft					6-100/5" (R)				
		A-2-4, Sa, gry, Moist, Rec. = 1.0 ft					7-5-3-2 (8)	27.3		83.0	17.0
		Visual Classification, SiSa, gry, Wet, Rec. = 1.5 ft					1-5-5-4 (10)				
		Visual Classification, SiSa, gry, Wet, Rec. = 1.3 ft					4-5-7-8 (12)				
		Visual Classification, Sa, brn-gry, Moist, Rec. = 0.3 ft					5-7-12-10 (19)				
		Visual Classification, GrSa, brn-gry, Moist, Rec. = 0.8 ft					12-10-33-41 (43)				
25		A-1-b, SaGr, gry, Wet, Rec. = 1.0 ft					35-22-25-29 (47)	11.6	47.0	44.0	9.0
		Visual Classification, GrSa, gry, Wet, Rec. = 1.2 ft, organic material in sample					41-38-31-39 (69)				
		Visual Classification, Sa, brn-gry, Wet, Rec. = 1.2 ft					66-44-21-17 (65)				
35		A-1-b, GrSa, brn, Wet, Rec. = 0.8 ft					38-21-26-29 (47)	15.9	23.0	69.0	8.0

BOTTOM OF PILE CAP APPROX. EL. 548.7

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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 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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Ground Elevation: <u>557.0 ft</u>		Hammer Fall: <u>24 in</u> <u>30 in.</u>					
		Hammer/Rod Type: <u>Safety/N</u>					
		Rig: <u>N.H. BORING - Truck</u> <u>C_r = 1</u>					
		Visual Classification, Sa, brn, Wet, Rec. = 1.0 ft				19-24-22-30 (66)	
45		A-4, SiSa, brn, Wet, Rec. = 1.5 ft				9-11-18-21 (29)	22.9 57.0 43.0
		Visual Classification, Sa, brn, Wet, Rec. = 1.3 ft				15-24-18-30 (42)	
55		A-3, Sa, brn, Wet, Rec. = 1.2 ft				17-17-20-24 (37)	26.8 93.0 7.0
		Visual Classification, SiSa, brn, Wet, Rec. = 1.3 ft				18-18-20-19 (38)	
65		Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft				15-21-36-27 (57)	
		A-3, Sa, gry, Wet, Rec. = 1.3 ft				26-44-51-40 (95)	25.3 94.0 6.0
75		Visual Classification, Sa, gry, Wet, Rec. = 1.5 ft				14-29-41-36 (70)	

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PROJECT NAME: ST JOHNSBURY	PLOT DATE: 9/30/2016
PROJECT NUMBER: BRO 1447(30)	DRAWN BY: L. BUXTON
FILE NAME: z12j164bor_log.dgn	CHECKED BY: J. HUNGERFORD
PROJECT LEADER: M. CHENETTE	SHEET 24 OF 76
DESIGNED BY: T. DYKSTRA	
BORING LOG 3	

