

VTTrans Working to Get You There STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-1</b>						
		St. Johnsbury BRO 1447(30)		Page No.: <b>1 of 3</b>						
		TH 371, Bridge #46 Over Sleepers River		Pin No.: <b>12J164</b>						
		Checked By: <b>TAD</b>								
Boring Crew: <u>NH Boring, Derry, NH, Burke (Stantec)</u>		Casing Sampler		Groundwater Observations						
Date Started: <u>12/02/13</u> Date Finished: <u>12/04/13</u>		Type: <u>WASH BORE SS</u>		Date Depth (ft) Notes						
VTSPG NAD83: <u>N 696354.25 ft E 1766333.22 ft</u>		I.D.: <u>4 in 1.38 in</u>		12/04/13 25.0						
Station: <u>17+47.61</u> Offset: <u>5.92 RT</u>		Hammer Wt: <u>300 lb. 140 lb.</u>								
Ground Elevation: <u>566.0 ft</u>		Hammer Fall: <u>24 in 30 in.</u>								
		Hammer/Rod Type: <u>Safety/N</u>								
		Rig: <u>N.H. BORING - Truck C<sub>c</sub> = 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 - 0.5 ft								
		Gravel base course, 0.5 ft - 2.0 ft								
		12 inches of Concrete, 2.0 ft - 3.0 ft								
		Visual Classification, Sa, brn, Moist, Rec. = 1.0 ft				3-3-2-4 (5)				
5		A-3, Sa, brn, Moist, Rec. = 1.0 ft				4-5-7-8 (12)	5.2	17.0	77.0	6.0
10		Visual Classification, GrSa, brn, Moist, Rec. = 0.3 ft				5-5-4-4 (9)				
15		Visual Classification, GrSa, brn, Moist, Rec. = 0.7 ft				7-6-5-5 (11)				
20		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft				2-3-3-4 (6)	17.2	21.0	69.0	10.0
25		A-2-4, SiSa, brn, Wet, Rec. = 1.5 ft				1-1-1-1 (2)	34.2		75.0	25.0
30		Visual Classification, Sa, brn, Wet, Rec. = 0.8 ft				10-11-12-12 (23)				
35		Visual Classification, Sa, brn, Wet, Rec. = 0.8 ft				6-7-10-10 (17)				
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.										

BOTTOM OF PILE CAP  
APPROX. EL. 555.2

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		St. Johnsbury BRO 1447(30)		Page No.: <b>2 of 3</b>						
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Boring Crew: <u>NH Boring, Derry, NH, Burke (Stantec)</u>		Casing Sampler		Groundwater Observations						
Date Started: <u>12/02/13</u> Date Finished: <u>12/04/13</u>		Type: <u>WASH BORE SS</u>		Date Depth (ft) Notes						
VTSPG NAD83: <u>N 696354.25 ft E 1766333.22 ft</u>		I.D.: <u>4 in 1.38 in</u>		12/04/13 25.0						
Station: <u>17+47.61</u> Offset: <u>5.92 RT</u>		Hammer Wt: <u>300 lb. 140 lb.</u>								
Ground Elevation: <u>566.0 ft</u>		Hammer Fall: <u>24 in 30 in.</u>								
		Hammer/Rod Type: <u>Safety/N</u>								
		Rig: <u>N.H. BORING - Truck C<sub>c</sub> = 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 %
		A-1-b, Sa, brn, Wet, Rec. = 1.2 ft				10-17-18-12 (35)	16.6	20.0	74.0	6.0
45		Visual Classification, SiSa, brn, Wet, Rec. = 0.7 ft				16-25-80-99 (105)				
50		A-2-4, SiSa, Lt/brn, Wet, Rec. = 1.0 ft				26-25-29-30 (54)	21.8		76.0	24.0
55		Visual Classification, SiSa, gry, Wet, Rec. = 1.0 ft				24-24-33-36 (62)				
60		Visual Classification, SiSa, gry, Wet, Rec. = 1.3 ft				17-20-24-24 (44)				
65		A-2-4, SiSa, gry, Wet, Rec. = 0.8 ft				17-27-29-29 (56)	23.0		74.0	26.0
70		Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft				15-17-18-19 (35)				
75		A-3, Sa, gry, Wet, Rec. = 1.5 ft				24-24-25-28 (49)	19.2		94.0	6.0
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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PROJECT NAME:	ST JOHNSBURY
PROJECT NUMBER:	BRO 1447(30)
FILE NAME:	z12j164bor_log.dgn
PROJECT LEADER:	M. CHENETTE
DESIGNED BY:	T. DYKSTRA
BORING LOG 1	
PLOT DATE:	9/30/2016
DRAWN BY:	L. BUXTON
CHECKED BY:	J. HUNGERFORD
SHEET	22 OF 76

