
 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG St. Johnsbury BRO 1447(30) TH 371, Bridge #46 Over Sleepers River		Boring No.: B-3				
				Page No.: 1 of 2				
Boring Crew: <u>NH Boring, Derry, NH, Burke (Stantec)</u> Date Started: <u>12/06/13</u> Date Finished: <u>12/06/13</u> VTSPG NAD83: <u>N 696241.43 ft E 1766306.51 ft</u> Station: <u>16+36.69</u> Offset: <u>38.53 RT</u> Ground Elevation: <u>553.0 ft</u>		Casing Sampler Type: <u>WASH BORE SS</u> I.D.: <u>4 in 1.38 in</u> Hammer Wt: <u>300 lb. 140 lb.</u> Hammer Fall: <u>24 in 30 in.</u> Hammer/Rod Type: <u>Safety/N</u> Rig: <u>N.H. BORING - Truck C_c = 1</u>		Groundwater Observations Date Depth (ft) Notes <u>12/06/13 9.0</u>				
Depth (ft) Strata (') 5 10 15 20 25 30 35	CLASSIFICATION OF MATERIALS (Description)			Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
	Not Sampled, 12 inches of crushed stone for parking area, Dry							
	Visual Classification, Sa, tan, Moist, Rec. = 1.2 ft, PID = 0 ppm			12-13-13-15 (26)				
	Visual Classification, Sa, brn, Moist, Rec. = 0.8 ft, PID = 0.1 ppm (3-4 ft) and 5.2 ppm (3-4 ft)			52-39-27-21 (66)				
	Visual Classification, Sa, red-brn, Moist, Rec. = 1.2 ft, PID = 6.2 ppm (4-5 ft) and 5.2 ppm (5-6 ft)			18-22-20-35 (42)				
	A-3, Sa, red-brn, Moist, Rec. = 0.8 ft, PID = 14.8 ppm (6-7 ft) and 15.2 ppm (7-8 ft)			18-16-12-7 (28)	9.9	2.0	89.0	9.0
	Visual Classification, SiSa, brn, Wet, Rec. = 1.0 ft, PID = 15.9 ppm (8-9 ft) and 16.5 ppm (9-10 ft)			17-23-25-25 (48)				
	Visual Classification, SiSa, Dk/gry, Wet, Rec. = 1.5 ft, Strong petroleum odor, PID = 65.2 ppm (14-15 ft) and 62.2 ppm (15-16 ft)			3-2-1-2 (3)				
	Visual Classification, Sa, Dk/gry, Wet, Rec. = 1.3 ft, Petroleum odor, PID = 3.2 ppm (19-20 ft) and 0.8 ppm (20-21 ft), Organic Content = 6.4%			5-5-7-8 (12)	78.3			
	Visual Classification, SaSi, brn-gry, Wet, Rec. = 1.5 ft			6-8-11-11 (19)				
A-2-4, Sa, Lt/brn, Wet, Rec. = 1.2 ft			11-13-17-11 (30)	24.7		82.0	18.0	
Visual Classification, Sa, brn, Wet, Rec. = 1.7 ft			5-10-11-12 (21)					
Visual Classification, SaSi, Lt/brn, Wet, Rec. = 1.2 ft			19-24-					
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. 548.7

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BOTTOM OF PILE TIP
APPROX. EL. 459.5

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				Page No.: 2 of 2				
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Depth (ft) Strata (') 45 50 55 60 65 70 75	CLASSIFICATION OF MATERIALS (Description)			Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
				34-15 (58)				
	Visual Classification, Sa, brn, Wet, Rec. = 1.5 ft			18-26-22-29 (48)				
	Visual Classification, Sa, brn, Wet, Rec. = 1.5 ft			14-18-29-32 (47)				
	Hole stopped @ 51.0 ft							
	Remarks: No 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 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	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 26 OF 76
DESIGNED BY: T. DYKSTRA	
BORING LOG 5	

