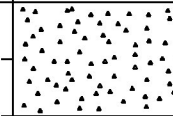
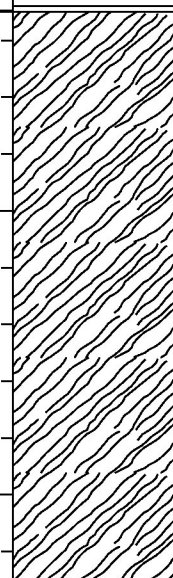
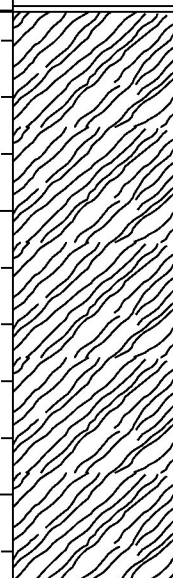
 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG				Boring No.: <u>B-1</u>				
		St. Johnsbury BRO 1447(30) TH 371, Bridge #46 Over Sleepers River				Page No.: <u>3 of 3</u>				
Boring Crew: <u>NH Boring, Derry, NH, Burke (Stantec)</u> Date Started: <u>12/02/13</u> Date Finished: <u>12/04/13</u> VTSPG NAD83: <u>N 696354.25 ft E 1766333.22 ft</u> Station: <u>17+47.61</u> Offset: <u>5.92 RT</u> Ground Elevation: <u>566.0 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_i = 1</u>		Groundwater Observations Date Depth (ft) Notes <u>12/04/13 25.0</u>						
Depth (ft)	Strata (')	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (% RQD %)	Drill Rate (minutes/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
85		Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft				26-28-21-21 (49)				
95		A-3, Sa, gry, Wet, Rec. = 1.3 ft				25-45-47-59 (92)	18.8		96.0	4.0
105		Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft				17-27-100/5" (R)				
110		106.5 ft - 111.5 ft, Gry, Phyllite, Hard, Fresh, Good rock, NXDC, Joints are moderately dipping, moderately spaced, smooth to rough, and tight. RMR = 61	1 (35-55)	98 (98)	4					
115		111.5 ft - 116.5 ft, Gry, Phyllite, Hard, Fresh, Good rock, NXDC, Joints are moderately dipping, moderately spaced, smooth to rough, and tight. RMR = 64	2 (35-55)	97 (92)	12					
		Hole stopped @ 116.5 ft								
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 _i 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.										

2010 COPY VTRANS_BRIDGE 46 ST JOHNSBURY_VT.GPJ VERMONT DOT.GDT 3/6/14
 BOTTOM OF PILE TIP APPROX. EL. 459.5

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 23 OF 76
DESIGNED BY: T. DYKSTRA	
BORING LOG 2	

