



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 MATERIALS & RESEARCH SECTION  
 SUBSURFACE INFORMATION

BORING LOG

Culvert Replacement  
 Bridge 24  
 Thetford STP CULV (48)

Boring No.: B-101A  
 Page No.: 1 of 1  
 Pin No.: 13c348  
 Checked By: \_\_\_\_\_

Boring Crew: J. Leonhardt, K. Owens  
 Date Started: 4/08/15 Date Finished: 4/08/15  
 VTSPG NAD83: N 509307.82 ft E 1703311.46 ft  
 Station: T0+17 Offset: 28L  
 Ground Elevation: 711.0 ft

Casing Sampler  
 Type: FJC SS  
 I.D.: 3 in 1.38 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/NW  
 Rig: CME 550 TRACK CE = 1.4

Groundwater Observations

Date	Depth (ft)	Notes
04/08/15		None observed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0 - 19.0		0.0 ft - 19.0 ft, Boring offset from B-101. Advanced to 19' without sampling.								
19.0 - 22.0		A-2-4, f.c. SAND, Some Silt, little f.c. gravel, very dense, brown, Wet, Rec. = 0.4 ft				74-100/2" (R)				
22.0 - 25.0		22.0 ft - 25.0 ft, Boulder and cobble zone.NXDC	R-1	27	1					
25.0 - 29.0		A-1-a, f.c. GRAVEL, little f.c. sand, trace silt, very dense, brown, Wet, Rec. = 0.0 ft				80/5" (R)				
29.0 - 39.1		29.0 ft - 39.1 ft, No recovery in samples from 29' to 39'. Spoon bouncing at each sample location.  Rec. = 0.0 ft				100/1" (R)				
39.1 - 40.0		Rec. = 0.0 ft  Hole stopped @ 39.1 ft				100/1" (R)				
Remarks:		Boulders & cobbles likely encountered throughout boring advancement.								

Notes:  
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. N Values have not been corrected for hammer energy. CE 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.