



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

BORING LOG

FAIRFIELD
 BRO 1448(41)
 Elm Brook Road, Fairfield, VT

Boring No.: B-1
 Page No.: 1 of 1
 Pin No.: 12J170
 Checked By: J. MacGregor

Boring Crew: P. Schofield, K. Owens
 Date Started: 2/14/13 Date Finished: 2/14/13
 VTSPG NAD83: N 835816.59 ft E 1544031.13 ft
 Station: 19+40.5 Offset: 10.5L
 Ground Elevation: 369.0 ft

Casing: WB
 Sampler: SS
 I.D.: 4 in 1.38 in
 Hammer Wt: 300 lb. 140 lb.
 Hammer Fall: 30 in. 30 in.
 Hammer/Rod Type: Manual/NW
 Rig: TRUCK D50 CE = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
02/14/13	6.0	

Depth (ft)	Strata (I)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0 - 4.6	X X X X X X X X X X X X	A-1-a, f.c. SAND, Some f.c. Gravel, trace silt, trace organics, very compact, brown, Moist, Rec. = 0.6 ft, (FILL) Rollerbit through frost layer.				38-50/4" (R)						
4.6 - 6.3		A-2-4 A-2-4, f.c. SAND, AND SILT, trace organics, loose, brown, Moist, Rec. = 1.7 ft				3-3-2-1 (5)			59.8	40.2		
6.3 - 7.8		A-2-4, f. SAND, Some Silt, trace organics, very loose, red-brn, Wet, Rec. = 1.5 ft				1-1-0-1 (1)						
7.8 - 9.4		A-4, Clayey SILT, AND f. SAND, trace organics, very soft, brown, Wet										
9.4 - 11.0		A-4, Rec. = 1.6 ft, Becomes soft				2-2-1-4 (3)	24.8		20.0	80.0	18	1
11.0 - 12.5		Not Sampled, Advanced rollerbit 11.0 ft to 12.5 ft. Rock coring started at 12.5 ft.							Top of Bedrock @ 11.0 ft			
12.5 - 17.5		12.5 ft - 17.5 ft, Greenish gray, Schist, Medium close fracture spacing, near vertical bedding. Hard, Slightly to moderately weathered, NXDC, Excellent RQD. Zones of white-pink quartz embedded within rock core.	R-1	96 (90)	12							
17.5 - 22.5		17.5 ft - 22.5 ft, Similar Rock. NXDC	R-2	100 (94)	12							
22.5 - 25.0		Hole stopped @ 22.5 ft										
25.0 - 27.5		Remarks: Project performed under CHA project No. 25043.										

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.

BORING LOG 25043_BRO1448_LOGS.GPJ VERMONT AOT.GDT 5/7/13