



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

BORING LOG

FAIRFIELD
BRF 0281(25)
South Road, Fairfield, VT

Boring No.: B-2
Page No.: 1 of 1
Pin No.: 12J156
Checked By: J. MacGregor

Boring Crew: P. Schofield, K. Owens
Date Started: 2/13/13 Date Finished: 2/14/13
VTSPG NAD83: N 827129.99 ft E 1521444.47 ft
Station: 16+58.0 Offset: 6.0R
Ground Elevation: 599.0 ft

Casing: WB
Sampler: SS
Type: WB 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
02/01/13	8.2	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/c (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0 - 0.5	X X X	Asphalt, 0.0 ft - 0.5 ft, Advanced rollerbit through asphalt										
0.5 - 4.0	X X X	0.5 ft - 4.0 ft, and frost layer.										
4.0 - 6.8	X X X	A-1-a, f.c. SAND, little silt, little f. gravel, medium compact, brown, Moist, Rec. = 0.7 ft, (FILL)				15-10-8-7 (18)	10.4	21.4	63.9	14.7		
6.8 - 8.8	X X X	A-1-a, f.c. SAND, little f. gravel, trace organics, compact, brown, Moist, Rec. = 0.9 ft, (FILL) Turns gray at 6.8'				7-10-22-16 (32)						
8.8 - 10.4	X X X	A-1-a, Rec. = 0.4 ft, (FILL) Becomes medium compact				9-9-7-3 (16)						
10.4 - 11.7	X X X	A-6, Silty CLAY, trace f.c. gravel, very stiff, gray, Wet				3-2-3-3 (5)	41.4		0.8	99.2	37	15
11.7 - 13.3	X X X	A-6, Rec. = 1.7 ft, Becomes medium stiff										
13.3 - 15.9	X X X	A-4										
15.9 - 17.5	X X X	A-4, Clayey SILT, little f. sand, very stiff, gray, Wet, Rec. = 0.6 ft				14-15-5-3 (20)						
17.5 - 20.1	X X X	A-4, Rec. = 0.6 ft, Becomes stiff				6-6-3-5 (9)						
20.1 - 24.7	X X X	A-4, Clayey SILT, Some f. Sand, little f.c. gravel, very stiff, gray, Moist, Rec. = 0.5 ft				5-7-10-5 (17)						
24.7 - 29.3	X X X	A-4, Rec. = 0.0 ft, No recovery, coarse gravel blocked shoe of spoon.				17-10-7-5 (17)						
29.3 - 34.0	X X X	A-4, Rec. = 0.0 ft, Spoon bouncing at 34 feet. Casing refusal at 34 feet.				50/0" (R)						
34.0 - 35.0	X X X	34.0 ft - 35.0 ft, Rollerbit to 35 feet to start core.	R-1	89 (56)	13							
35.0 - 39.5	X X X	35.0 ft - 39.5 ft, Gray, Phyllite, Very close fracture spacing. Moderately soft to moderately hard, Moderately weathered, NXDC, Fair RQD. Highly fractured/severely weathered zone at bottom 1' of recovered sample.										
39.5 - 44.5	X X X	39.5 ft - 44.5 ft, Gray, Phyllite, Medium close fracture spacing. Moderately hard, Slightly weathered, NXDC, Good RQD	R-2	85 (85)	8							
44.5 - 45.0	X X X	Hole stopped @ 44.5 ft										

Remarks:
Project performed under CHA project No. 25045.

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.