



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

BORING LOG

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

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

Boring Crew: P. Schofield, K. Owens
Date Started: 2/11/13 Date Finished: 2/13/13
VTSPG NAD83: N 827128.08 ft E 1521459.04 ft
Station: 17+13.0 Offset: 4.0L
Ground Elevation: 600.0 ft

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
02/11/13	11.0	

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 %	LL %	PI %
0-0.5	XXX	Asphalt, 0.0 ft - 0.5 ft, Advanced rollerbit through asphalt.				70/3" (R)						
0.5-5	XXX	A-2-4, f.c. SAND, Some Silt, trace f. gravel, very compact, brown, Moist, Rec. = 0.1 ft, (FILL) Sample advanced within frost zone. A-2-4, Similar Soil, Rec. = 0.6 ft, (FILL) Becomes brown, moist to wet. A-4, f.c. SAND, AND SILT, little f. gravel, medium compact, brown, Moist, Rec. = 0.5 ft, (FILL)				12-8-6-10 (14) 13-16-19-14 (35)						
5-10		A-1-b, f.c. GRAVEL, little silt, little f.c. sand, compact, brn-orange, Moist, Rec. = 0.7 ft, (FILL) A-4 A-4, Rec. = 0.0 ft, No recovery A-4, Clayey SILT, little f.c. sand, trace f. gravel, medium stiff, gray, Wet, Rec. = 2.0 ft A-4, Similar Soil, Rec. = 2.0 ft				2-2-2-2 (4) 3-2-3-3 (5) 2-3-4-5 (7)	18.4	0.7	15.2	84.1	19	3
10-20		A-2-4 A-2-4, f.c. GRAVEL, Some clayey Silt, Some f.c. Sand, medium compact, gray, Wet, Rec. = 1.0 ft				8-11-16-8 (27)						
20-25		A-2-4 A-2-4, f.c. SAND, little silt, little f.c. gravel, very compact, gray, Moist, Rec. = 0.2 ft, (TILL) A-4				58/6" (R)						
25-30		A-4, Clayey SILT, trace f.c. sand, trace f. gravel, hard, gray, Moist, Rec. = 0.2 ft, (TILL)				85/2" (R)						
30-35		A-4, Similar Soil, Rec. = 0.3 ft, (TILL)				100/6" (R)						
35-40		A-4, Rec. = 0.0 ft, No recovery, spoon bouncing. 38.0 ft - 42.0 ft, Dark gray, Phyllite, Medium close fracture spacing. Moderately soft to moderately hard, Moderately weathered, NXDC, Excellent RQD	R-1	100 (95)	15	50/0" (R)						Top of Bedrock @ 38.0 ft
40-45		42.0 ft - 44.0 ft, Dark gray, Phyllite, Very close fracture spacing. Moderately soft to moderately hard, Moderately to severely weathered, NXDC, Very poor RQD	R-2	100 (15)	11							
45-47.0		44.0 ft - 47.0 ft, Gray, Phyllite, Close fracture spacing. Moderately soft to moderately hard, Slightly to moderately weathered, NXDC, Very poor RQD	R-3	100 (77)	8							
Hole stopped @ 47.0 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.

BORING LOG 25045_BRF0281_LOGS.GPJ VERMONT AOT.GDT 5/6/13