



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

BORING LOG

FAIRFIELD
 BR# 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)				70-50/3" (R) 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_BR#0281_LOGS.GPJ VERMONT AOT.GDT 5/6/13



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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 (i)	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	Diagonal Hatching	A-1-a, Rec. = 0.4 ft, (FILL) Becomes medium compact				9-9-7-3 (16)						
10.4 - 11.7	Diagonal Hatching	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	Diagonal Hatching	A-6, Rec. = 1.7 ft, Becomes medium stiff										
13.3 - 15.9	Vertical Lines	A-4										
15.9 - 17.5	Vertical Lines	A-4, Clayey SILT, little f. sand, very stiff, gray, Wet, Rec. = 0.6 ft				14-15-5-3 (20)						
17.5 - 19.1	Vertical Lines	A-4, Rec. = 0.6 ft, Becomes stiff				6-6-3-5 (9)						
19.1 - 24.7	Vertical Lines	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 - 34.0	Vertical Lines	A-4, Rec. = 0.0 ft, No recovery, coarse gravel blocked shoe of spoon.				17-10-7-5 (17)						
34.0 - 35.0	Diagonal Hatching	A-4, Rec. = 0.0 ft, Spoon bouncing at 34 feet. Casing refusal at 34 feet.				50/0" (R)						
35.0 - 39.5	Diagonal Hatching	34.0 ft - 35.0 ft, Rollerbit to 35 feet to start core.	R-1	89 (56)	13							
39.5 - 44.5	Diagonal Hatching	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.	R-2	85 (85)	8							
44.5 - 45.0	Diagonal Hatching	39.5 ft - 44.5 ft, Gray, Phyllite, Medium close fracture spacing. Moderately hard, Slightly weathered, NXDC, Good RQD										
45.0 - 45.5	Diagonal Hatching	Hole stopped @ 44.5 ft										
Remarks:		Project performed under CHA project No. 25045.										

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