



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

BORING LOG

RYEGATE
IM CULV(28)
Ryegate, VT

Boring No.: B-107
Page No.: 1 of 1
Pin No.: 11A262
Checked By: K. Adnams

Boring Crew: M. Misiaszek, K. Owens
Date Started: 3/05/13 Date Finished: 3/06/13
VTSPG NAD83: N 618258.93 ft E 1752564.29 ft
Station: _____ Offset: _____
Ground Elevation: 568.0 ft

Type: _____
I.D.: _____
Hammer Wt: _____
Hammer Fall: _____
Hammer/Rod Type: _____
Rig: _____

Casing: WB Sampler: SS
4 in 1.38 in
300 lb. 140 lb.
N.A. 30 in.
Manual/NW
CE = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
03/05/13	6.0	During drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5	X X	A-4, <u>Clayey SILT</u> , little f.c. gravel, trace f.c. sand, trace organics, very stiff, gry-brn, Moist, Rec. = 2.0 ft, (FILL) A-1-a, <u>f.c. GRAVEL</u> , trace clayey silt, very compact, gry, Moist, Rec. = 0.2 ft, (FILL). Roller bit grinding 2'-3.5'. Rec. = 0.6 ft A-1-a, <u>f.c. GRAVEL</u> , Some f.c. Sand, little silt, trace brick, compact, brn, Moist to wet, (FILL)				12-12-10-15 (22) 22-50/4" (R) 33-23-18-18 (41)				
5-10		A-1-b, <u>f.c. GRAVEL</u> , AND f.c. SAND, little silt, brn, Wet, Rec. = 0.4 ft A-1-b, Rec. = 0.7 ft, becomes medium compact A-1-b, <u>f.c. GRAVEL</u> , little silt, little f.c. sand, medium compact, brn, Wet, Rec. = 0.4 ft Rec. = 0.5 ft				1-1-7-8 (8) 16-12-12-15 (24) 15-14-13-15 (27)				
10-15		A-4 A-4, <u>SILT</u> , Some f.c. Sand, little f.c. gravel, medium compact, gry, Wet				12-8-19-7 (27)				
15-20		A-2-4 A-2-4, <u>f.c. SAND</u> , Some Silt, little f.c. gravel, very compact, gray, Wet, Rec. = 0.5 ft, (GLACIAL TILL). Spoon bouncing.				23-24-50/4" (R)				
20-25		Not Sampled, Advanced rollerbit to 20.5' to 23'. Core started at 23'. 23.0 ft - 28.0 ft, Gray, Schist, very close fracture spacing. Hard, Severely weathered, NXDC, very poor RQD	R-1	100 (16)	8					
Hole stopped @ 28.0 ft Remarks: Project performed under CHA project No. 25047.										

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 25047_RYEGATE_CULV LOGS.GPJ VERMONT AOT.GDT 5/6/13