



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

BORING LOG

RYEGATE
IM CULV(28)
Ryegate, VT

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 11A262
Checked By: K. Adnams

Boring Crew: M. Misiaszek, K. Owens
Date Started: 3/12/13 Date Finished: 3/12/13
VTSPG NAD83: N 618143.61 ft E 1752700.51 ft
Station: _____ Offset: _____
Ground Elevation: 585.5 ft

Casing: WB Sampler: SS
Type: WB SS
I.D.: 4 in 1.38 in
Hammer Wt: 300 lb. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Manual/NW
Rig: CME 750 ATV Mounted CE = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
03/12/13		No gw obs.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
	XXX	Asphalt Pavement, 0.0 ft - 0.4 ft								
	XXX	Not Sampled								
5	XXX	Not Sampled, Hard drilling at 4'. Advanced roller bit to 4.5' to obtain sample.				17-18-16-10 (34)				
	XXX	A-1-a, f.c. GRAVEL, trace silt, trace f.c. sand, compact, gray, Wet, Rec. = 0.2 ft, (FILL)								
10	XXX	No Recovery, Rec. = 0.0 ft, Coarse gravel in shoe of spoon.				35-11-32-14 (43)				
	XXX	A-1-a, f.c. GRAVEL, Some f.c. Sand, trace silt, medium compact, gray, Moist, Rec. = 0.3 ft, (FILL)				15-7-12-13 (19)				
15	XXX	A-1-a, Similar Soil, Rec. = 0.4 ft, (FILL)				21-16-13-18 (29)				
20	XXX	A-1-a, Rec. = 0.3 ft, becomes compact (FILL)				17-19-14-12 (33)				
	XXX	A-1-a, Rec. = 0.2 ft, becomes very compact (FILL)				18-14-50/0" (R)				
	XXX	A-1-a, Very hard drilling 22' to 23' through probable boulder.								
	XXX	A-1-a, Casing and rollerbit refusal at 23'. Attempted to advance boring with core barrel. After coring, the lead piece of casing was crimped and would not advance further. NXDC	R-1	40 (0)	2					
25		Hole stopped @ 24.5 ft								
		Remarks: Boring abandoned due to casing refusal and damage to drive shoe at 24.5. Offset 10' south to boring B-101A. 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