



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

BORING LOG

Stamford STP 1441(29)
CHA #27138.1000.32000
Stamford, VT

Boring No.: **B-201A**

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Pin No.: 96j226

Checked By: _____

Boring Crew: D. Lyons, D. Spielvogel

Date Started: 9/23/13 Date Finished: 9/24/13

VTSPG NAD83: N 91312.22 ft E 1473922.01 ft

Station: 11+22.00 Offset: 1.6 LT

Ground Elevation: 1794.3 ft

Casing FJC Sampler SS

I.D.: 5 in 1.38 in

Hammer Wt: AIR HAMMER 140 lb.

Hammer Fall: N.A. 30 in.

Hammer/Rod Type: Auto/NW

Rig: CME 55 TRUCK CE = 1.3

Groundwater Observations

Date	Depth (ft)	Notes
09/23/13	15.3	Beginning of Day

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5									
10	x x x	A-1-a, f.c. GRAVEL , Some f.c. Sand, little silt, medium compact, brown/gray, moist, Rec. = 0.5 ft, (FILL)			3-12-11-9 (23)				
12	x x x	A-1-a, f.c. GRAVEL , Some f.c. Sand, little silt, trace wood, medium compact, brown/gray, moist, Rec. = 0.6 ft, (FILL)			5-6-6-6 (12)				
15	x x x	A-1-a, f.c. GRAVEL , Some f.c. Sand, little silt, very compact, gray, moist, Rec. = 0.6 ft, (FILL)			47-21-50/0.4' (R)		59.7	27.6	12.7
18		A-1-b, f.c. SAND , Some f.c. Gravel, little silt, very compact, brown, wet, (Glacial Till)							
20		A-1-b No Recovery, Rec. = 0.0 ft			50-50/0.1' (R)				
22		A-1-b							
24		No Recovery Rec. = 0.0 ft							
26					Top of Bedrock @ 21.0 ft				
28					50/0.0' (R)				
30		27.0 ft - 35.4 ft, Gray, Granite, Hard, Slightly weathered, Fair rock, NXDC	R-1	65.5 (54)					
35									
38		Hole stopped @ 35.4 ft							
40		Remarks: Boring B-201A was offset from B-201 and advanced to a depth of 10' without sampling. At a depth of 21 feet, Symmetrix down hole hammer encountered very hard drilling indicative of bedrock. Sample S-5 attempted at a depth of 22 feet encountered refusal without any penetration. Casing advanced to a depth of 24 with steady, very hard drilling conditions indicative of bedrock. Coring operations would have been attempted at 24 feet however hammer was lodged within casing. Additional casing advancement of 3 feet was required to break the hammer free from the casing. Top of bedrock was interpreted at a depth of 21 feet based on drilling characteristics.							

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 <<SUB>><<SUB>> 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.

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