



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

BORING LOG

**STRAFFORD
BF 0177(10)
VT-132 BR-29**

Boring No.: **B-104**
Page No.: 1 of 1
Pin No.: 13J088
Checked By: CEE

Boring Crew: HOOK, DAIGNEAULT
Date Started: 1/15/14 Date Finished: 1/16/14
VTSPG NAD83: N 486464.52 ft E 1677459.89 ft
Station: 12+52 Offset: 17.50
Ground Elevation: 881.0 ft

Casing Type: WB Sampler: SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK C = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
01/16/14	7.5	AM
01/16/14	5.3	Casing removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-3, Sa, brn, Moist, Rec. = 0.2 ft				2-1-WH-1 (1)	38.4	5.5	86.9	7.6
		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft, Lab Note: Wood chunks were within sample.				1-2-2-3 (4)	19.9	11.7	76.6	11.7
5		A-1-b, SaGr, Lt/brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				2-5-10-7 (15)	9.0	50.0	43.3	6.7
		A-1-b, GrSa, gry-brn, MTW, Rec. = 1.5 ft, Lab Note: Broken Rock was within sample.				5-8-9-7 (17)	16.5	34.0	56.7	9.3
		A-1-b, GrSa, brn, Wet, Rec. = 2.0 ft, Cleaned out with roller cone.				6-6-8-9 (14)	18.7	25.5	65.3	9.2
10		A-2-4, GrSa, brn, Moist, Rec. = 0.9 ft, Cleaned out with roller cone.				5-7-7-11 (14)	15.8	25.4	56.6	18.0
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Cleaned out with roller cone.				12-15-27-23 (42)	12.2	30.5	54.8	14.7
15		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				9-21-31-R@1.0" (52)	10.9	38.6	46.1	15.3
		Field Note:, NXDC, Cleaned out casing.				15-14-22-20 (36)	13.5	32.6	51.5	15.9
		A-2-4, GrSa, brn, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.				12-11-16-28 (27)	12.7	34.5	52.3	13.2
20		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.								
		Field Note:, NXDC, Cleaned out casing.								
25		A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft				45-R@6.0" (R)	15.5	28.1	51.4	20.5
		Field Note:, Cobble/Hardpan, NXDC, Cleaned out casing.								
30		30.0 ft - 32.0 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Fair rock, NXDC, RMR = 57	1 (60)	100 (0)	6 5					Top of Bedrock @ 30.0 ft
		32.0 ft - 35.0 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Good rock, NXDC, RMR = 71	2 (60)	100 (87)	7 8 7					
35		35.0 ft - 40.0 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Good rock, NXDC, RMR = 71	3 (60)	86 (80)	6 7 5 6 5					
40		Hole stopped @ 40.0 ft								

Remarks:
Hole collapsed at 7.6 ft.

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 STRAFFORD BF 0177(10).GPJ VERMONT AOT.GDT 1/30/14