



BORING LOG

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

Boring No.: **B-101**  
Page No.: **1 of 2**  
Pln No.: **13J088**  
Checked By: **CEE**

Boring Crew: **GARROW, HOOK, DAIGNEAULT**  
Date Started: **12/12/13** Date Finished: **1/10/14**  
VTSPG NAD83: **N 486404.17 ft E 1677419.41 ft**  
Station: **11+85** Offset: **-7.00**  
Ground Elevation: **888.0 ft**

Casing Sampler  
Type: **WB SPLIT BARREL**  
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 SKID C = 1.33**

Groundwater Observations

Date	Depth (ft)	Notes
12/23/13	12.9	After 10 days.
01/09/14	9.6	AM
01/14/14	12.6	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (RQD) %	Drill Rate (min/feet)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-1.15		Asphalt Pavement, 0.0 ft - 1.15 ft								
1.15-1.2		A-2-4, GrSa, Lt/brn, Moist, Rec. = 1.2 ft, Cleaned out with roller cone.				10-6-4-6 (10)	13.5	24.7	56.7	18.6
1.2-0.8		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft				5-3-4-6 (7)	17.6	18.7	61.5	19.8
0.8-5.0		Field Note: No Recovery Field Note: NXDC, Cleaned out casing.				R@5.0"				
5.0-10.0		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample. Field Note: NXDC, Cleaned out casing. Field Note: No Recovery Field Note: NXDC, Cleaned out casing.				44-R@1.0"	9.3	56.0	30.7	13.3
10.0-15.0		A-2-4, SiSa, gry-brn, MTW, Rec. = 0.5 ft, NXDC, Cleaned out casing. A-1-a, SaGr, gry-brn, MTW, Rec. = 0.3 ft, Lab Note: Sample was mostly Broken Rock.				10-2-1-3 (3)	39.8	8.4	67.9	23.7
15.0-18.0		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft				12-10-8-12 (18)	10.7	60.3	29.1	10.6
18.0-20.0		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft				14-22-20-22 (42)	12.0	32.2	49.7	18.1
20.0-24.0		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft				17-15-13-13 (28)	13.1	25.5	60.6	13.9
24.0-28.0		Field Note: NXDC, Cleaned out casing.				24-15-13-R@5.0" (28)	12.5	36.9	50.5	12.6
28.0-30.0										
30.0-35.0		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				4-12-17-31 (29)	13.5	20.1	66.5	13.4
35.0-36.0		Visual Description: Broken Rock, gry, Moist, Rec. = 0.3 ft								
36.0-37.0		Field Note: Pulled casing and changed bit								
37.0-38.0		Field Note: NXDC, Cleaned out casing.								
38.0-44.0		A-2-4, GrSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				29-44-R@2.5" (R)	13.9	32.6	49.4	18.0

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.



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40-45		Field Note: NXDC, Cleaned out casing. A-2-4, Sa, brn, Moist, Rec. = 1.1 ft								
45-50		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.1 ft				16-8-22-R@2.5" (30)	18.2	27.8	52.8	19.4
50-55		Field Note: NXDC, Cleaned out casing. A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.0 ft								
55-60		Field Note: NXDC, Cleaned out casing. Field Note: No Recovery								
60-63		57.1 ft - 59.1 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Fair rock, NXDC, RMR = 57	1 (60)	65 (0)	5					
63-65		59.1 ft - 63.1 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Good rock, NXDC, RMR = 65	2 (60)	90 (50)	11					
65-67		63.1 ft - 67.1 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Good rock, NXDC, RMR = 74	3 (60)	100 (93)	10					
67-70		Hole stopped @ 67.1 ft								
70-75		Remarks: 1. Increment weathered hindered the days able to drill within the start and finish date. 2. Hole collapsed at 16.3 ft. (01/14/14)								

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

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