

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101					
				STRAFFORD BF 0177(10) VT-132 BR-29		Page No.: <u>1 of 2</u>					
						Pin No.: <u>13J088</u>					
						Checked By: <u>CEE</u>					
Boring Crew: <u>GARROW, HOOK, DAIGNEAULT</u>		Type: <u>WB SPLIT BARREL</u>		Casing Sampler							
Date Started: <u>12/12/13</u> Date Finished: <u>1/10/14</u>		I.D.: <u>4 in</u> <u>1.5 in</u>		Groundwater Observations							
VTSPG NAD83: <u>N 486404.17 ft E 1677419.41 ft</u>		Hammer Wt: <u>N.A.</u> <u>140 lb.</u>		Date	Depth (ft)	Notes					
Station: <u>11+85</u> Offset: <u>-7.00</u>		Hammer Fall: <u>N.A.</u> <u>30 in.</u>		12/23/13	12.9	After 10 days.					
Ground Elevation: <u>888.0 ft</u>		Hammer/Rod Type: <u>Auto/AWJ</u>		01/09/14	9.6	AM					
		Rig: <u>CME 45C SKID</u> <u>C_e = 1.33</u>		01/14/14	12.6	AM					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate (min/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.15 ft									
		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
5		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft					5-3-4-6 (7)	17.6	18.7	61.5	19.8
		Field Note: No Recovery					R@5.0"				
		Field Note: NXDC, Cleaned out casing.									
		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample.					44- R@1.0"	9.3	56.0	30.7	13.3
10		Field Note: NXDC, Cleaned out casing.					R@1.0"				
		Field Note: No Recovery									
		Field Note: NXDC, Cleaned out casing.									
		A-2-4, SiSa, gry-brn, MTW, Rec. = 0.5 ft, NXDC, Cleaned out casing.					10-2-1-3 (3)	39.8	8.4	67.9	23.7
15		A-1-a, SaGr, gry-brn, MTW, Rec. = 0.3 ft, Lab Note: Sample was mostly Broken Rock.					12-10-8-12 (18)	10.7	60.3	29.1	10.6
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft					14-22-20-22 (42)	12.0	32.2	49.7	18.1
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft					17-15-13-13 (28)	13.1	25.5	60.6	13.9
20		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft					24-15-13- R@5.0" (28)	12.5	36.9	50.5	12.6
		Field Note: NXDC, Cleaned out casing.									
25		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
30		Visual Description: Broken Rock, gry, Moist, Rec. = 0.3 ft					3- R@3.5"	11.4			
		Field Note: Pulled casing and changed bit									
		Field Note: NXDC, Cleaned out casing.									
35		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 _e 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.											

ABUT I BTM.
EL 876.25

BORING LOG 2 STRAFFORD BF 0177(10).GPJ VERMONT AOT.GDT 1/21/14

EST. PILE TIP
EL 830.9

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101					
				STRAFFORD BF 0177(10) VT-132 BR-29		Page No.: <u>2 of 2</u>					
						Pin No.: <u>13J088</u>					
						Checked By: <u>CEE</u>					
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Date Started: <u>12/12/13</u> Date Finished: <u>1/10/14</u>		I.D.: <u>4 in</u> <u>1.5 in</u>		Groundwater Observations							
VTSPG NAD83: <u>N 486404.17 ft E 1677419.41 ft</u>		Hammer Wt: <u>N.A.</u> <u>140 lb.</u>		Date	Depth (ft)	Notes					
Station: <u>11+85</u> Offset: <u>-7.00</u>		Hammer Fall: <u>N.A.</u> <u>30 in.</u>		12/23/13	12.9	After 10 days.					
Ground Elevation: <u>888.0 ft</u>		Hammer/Rod Type: <u>Auto/AWJ</u>		01/09/14	9.6	AM					
		Rig: <u>CME 45C SKID</u> <u>C_e = 1.33</u>		01/14/14	12.6	AM					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate (min/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: NXDC, Cleaned out casing.									
40		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft					26-34- R@2.5" (R)	17.8	7.4	74.6	18.0
45		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		Field Note: NXDC, Cleaned out casing.									
		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.0 ft					39-43- R@2.5" (R)	14.9	30.3	53.9	15.8
55		Field Note: NXDC, Cleaned out casing.									
		Field Note: No Recovery					R@6.0"				
		57.1 ft - 59.1 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Fair rock, NXDC, RMR = 57		1 (60)	65 (0)	5					Top of Bedrock @ 57.1 ft
60		59.1 ft - 63.1 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Good rock, NXDC, RMR = 65		2 (60)	90 (50)	11					
						7					
						6					
65		63.1 ft - 67.1 ft, Gray, Micaceous quartz-rich Limestone, Hard, Unweathered, Good rock, NXDC, RMR = 74		3 (60)	100 (93)	10					
						7					
						8					
						7					
		Hole stopped @ 67.1 ft									
70		Remarks: 1. Inclement weathered hindered the days able to drill within the start and finish date. 2. Hole collapsed at 16.3 ft. (01/14/14)									
75											
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PROJECT NAME:	STRAFFORD
PROJECT NUMBER:	BF 0177(10)
FILE NAME:	s13J088boring.dgn
PROJECT LEADER:	K. HIGGINS
DESIGNED BY:	J. GRIGAS
BORING LOGS I	
PLOT DATE:	31-AUG-2016
DRAWN BY:	J. GRIGAS
CHECKED BY:	T. MATTHEWS
SHEET	19 OF 52