

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

BORING NUMBER: B-204 SHEET 1 of 4 DATE STARTED: 1/22/08 DATE COMPLETED: 3/07/08

PROJECT NAME: NEWPORT SITE NAME: SLIDE STATION: 117+10.00 OFFSET: 132.00 VTSPG NAD83: N 888409.14 ft E 1721039.58 ft

PROJECT NUMBER: STP 1343(22) SITE NUMBER: VT 191 GROUND ELEVATION: 784.0 ft GROUNDWATER DEPTH: 23.4 ft 3/06/08 PROJECT PIN NUMBER: 07B156

BORING CREW: PORTER DRILLER: PORTER LOGGER: WERNER

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL & TUBE CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	N VALUE	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
		Top of Well Elevation: 786.6 ft								
		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft		11	10.1	19.5	57.3	23.2		
5		A-1-b, SaGr, gry, Moist, Rec. = 0.5 ft		11	11.0	56.9	28.3	14.8		
10		A-2-4, SiSa, gry, Moist, Rec. = 0.2 ft		17	19.5	7.1	58.9	34.0		
15		A-2-4, SiSa, gry, Moist, Rec. = 1.1 ft		23	13.9	7.3	67.0	25.7		
20		A-8, Organic Silt (20.9%), brn, Moist, Rec. = 0.2 ft		15	103.8	8.1	33.3	58.6		
		A-4, SaSi, gry, Moist, Rec. = 1.0 ft			15.4					
25		A-4, SaSi, gry, Moist, Rec. = 1.8 ft		37	23.1	1.4	20.9	77.7		
30		Cobbles, 29.5 ft - 30.5 ft								
		A-6, SiCl, gry, Moist, Rec. = 1.4 ft, Roller-coned ahead.		23	24.1	7.5	15.5	77.0	37	16
35		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Advanced casing, Roller-coned ahead.		39	27.4	0.0	1.3	98.7	44	20

LOG OF BORING: NEWPORT SLOPE STABILITY VT191.GPJ, VT.ADT.GDT, 8/18/14

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		Field Class, ClSi, gry, Moist, Rec. = 1.8 ft, Advanced casing, Roller-coned ahead. Sample delivered to UVM for testing.		28						
45		A-4, SaSi, gry, Moist, Rec. = 1.6 ft, Advanced casing, Roller-coned ahead.		60	18.1	2.6	20.1	77.3		
50		A-1-b, SiGrSa, gry, Wet, Rec. = 2.0 ft, Advanced casing, Roller-coned ahead.		41	9.2	22.4	56.5	21.1		
		Field Note, Possible cobbles and gravel. Very hard drilling.								
55		A-4, SaSi, gry, Moist, Rec. = 1.3 ft, Advanced casing.		20	15.3	14.8	25.0	60.2		
60		A-4, SaSi, gry, Moist, Rec. = 1.6 ft, Roller-coned ahead.		56	12.5	18.4	21.8	59.8		
65		Field Class, SaSi, gry, Moist, Rec. = 1.6 ft, Advanced casing, Roller-coned ahead. Sample delivered to UVM for testing.		68						
70		A-4, Si, gry, Moist, Rec. = 1.4 ft, Advanced casing.		R	14.4	11.7	14.7	73.6		
		NXDC, Cobbles, 71.4 ft - 75.0 ft								
75		A-4, Si, gry, Moist, Rec. = 1.6 ft, Advanced casing, Roller-coned ahead.		44	14.5	3.5	19.9	76.6		

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		Field Class, ClSi, gry, Moist, Rec. = 1.8 ft, Advanced casing, Roller-coned ahead. Sample delivered to UVM for testing.		64						
85		Field Class, ClSi, gry, Moist, Rec. = 1.5 ft, Advanced casing, Roller-coned ahead. Sample delivered to UVM for testing.		R						
90		Field Class, Sa, gry, Moist, Rec. = 2.0 ft, Advanced casing.		73						
95		A-2-4, SiSa, gry, Moist, Rec. = 1.9 ft, Advanced casing, Roller-coned ahead.		85	16.6	3.9	61.9	34.2		
100		A-4, SaSi, gry, Moist, Rec. = 1.5 ft, Roller-coned ahead. Hydrometer Analysis: Particles smaller than 0.002mm = 2.6%		R	23.0	0.5	22.3	77.2		
105		Field Class, SaClSi (varved), brn-gry, Moist, Rec. = 2.0 ft, Advanced casing, Roller-coned ahead. Sample delivered to UVM for testing.		55						
110		Field Class, SiSaCl (varved), brn-gry, Moist, Rec. = 2.0 ft, Advanced casing, Roller-coned ahead. Cleaned out casing, Sample delivered to UVM for testing.		33						
115		Field Class, SiSaCl Shelby tube, Rec. = 1.8 ft, Roller-coned ahead. Tube delivered to UVM for testing.								
		118.0 ft, Water return changed from brown to gray.								

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											REC (%)	RQD (%)
		A-4, Si, brn-gry, Moist, Rec. = 1.5 ft, Advanced casing, Roller-coned ahead. Hydrometer analysis for particles passing 0.002mm = 11.4%		94	18.0	2.7	13.1	84.2				
125		121.5 ft - 125.0 ft, Advanced casing, Roller-coned ahead. Very hard drilling. Possible cobbles.		R								
		Field Class, SiSa with rock, gry, Moist, Rec. = 0.25 ft, Sample delivered to UVM for testing.										
		Cobbles & Boulders, 125.25 ft - 127.0 ft										
130		A-2-4, SiSaGr, brn, Wet, Rec. = 1.0 ft, Advanced casing.		R	14.9	44.3	28.1	27.6				
135		A-4, GrSi, gry, Moist, Rec. = 1.1 ft, Advanced casing. Hydrometer analysis for particle size passing 0.002mm = 4.7%		R	31.6	23.1	17.0	59.9				
140		A-4, SaSi, gry, Moist, Rec. = 1.0 ft, Advanced casing. Hydrometer analysis for particle size passing 0.002mm = 3.5%		R	29.5	17.2	20.1	62.7				
145		Visual Class, SiGr, gry, Moist, Rec. = 0.25 ft		39	16.9	3.1	47.5	49.4				
		A-4, SaSi, brn, Moist, Rec. = 1.0 ft, Advanced casing.										
		147.5 ft - 149.5 ft, Hard. Slightly weathered. NXDC. Vitreous quartz and gray quartzose and micaceous metallimestone.		1	73	0	?					
		149.5 ft - 154.5 ft, Hard, NXMDC. Gray quartzose and micaceous metallimestone with vitreous quartz in the bottom 1 foot of run. Top 0.7 ft moderately weathered, Remainder of core run unweathered.		2	100	84	45					
155		Hole stopped @ 154.5 ft										

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DRILLER'S NOTES:  
 1. Installed inclinometer to 154.0 ft.  
 2. Top of Inclinometer is 2.6 ft, above ground surface.  
 NOTE: Accuracy of UVM results could not be relied upon for laboratory soil classification.