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

BORING NUMBER: B-214
SHEET 1 of 3
DATE STARTED: 3/12/08
DATE COMPLETED: 4/03/08

PROJECT NAME: NEWPORT
SITE NAME: SLIDE
STATION: 115+77
OFFSET: 338.00
VTSPG NAD83: N 888479.63 ft E 1721283.41 ft

PROJECT NUMBER: STP 1343(22)
SITE NUMBER: VT 191
GROUND ELEVATION: 747.93 ft
GROUNDWATER DEPTH: See Driller's Notes
PROJECT PIN NUMBER: 07B156

BORING CREW
CREW CHIEF: 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: 750.43 ft								
5		A-4, SaSl, gry, Wet, Rec. = 0.95 ft		4	21.5	10.9	28.4	60.7	23	6
10		A-4, SlSa, brn, Wet, Rec. = 0.85 ft		13	16.8	14.0	43.6	42.4		
15		A-4, SaSl, brn, Wet, Rec. = 0.9 ft		6	15.8	8.4	38.7	52.9		
20		A-4, SaSl, brn, Wet, Rec. = 0.4 ft		14	14.1	16.0	35.3	48.7		
25		Visual Classification, Broken Granite rock pieces, Rec. = 0.2 ft Field Class., Cobbles, Cleaned out casing, Advanced rollercone ahead								
30		A-4, SaSl, gry, Molst, Rec. = 1.2 ft		17	15.3	3.3	23.0	73.7	24	6
35		A-2-4, SlGrSa, gry, Molst, Rec. = 1.5 ft, Roller-coned ahead, Advanced casing.		89	10.7	30.3	42.0	27.7		
40		Field Class., NXDC, Cobbles								
45		A-7-6, Cl Varved, gry-brn, Moist, Rec. = 1.0 ft, Hydrometer Analysis: Particles smaller than 0.002mm = 35.7% A-6, SlCl, brn-gry, Molst, Rec. = 1.6 ft, Roller-coned ahead, Advanced casing.		22 30	25.8 25.0	14.6 1.7	8.9 13.5	76.5 84.8	46 39	22 16

LOG OF BORING NEWPORT SLOPE STABILITY VT191.GPJ VT AOT.GDT 8/18/14

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SHEET 2 of 3
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		A-4, Sl, brn, Molst, Rec. = 1.7 ft, Advanced casing.		59	25.1	0.0	3.6	96.4		
55		A-4, SaGrSl, brn, Molst, Rec. = 0.75 ft		R	14.0	31.4	20.3	48.3		
60		A-4, SaSl, brn, Moist, Rec. = 1.5 ft		88	12.3	19.4	38.3	42.3		
65		A-6, SlCl, brn-gry, Molst, Rec. = 1.2 ft		36	25.6	2.5	9.5	88.0	34	13
70		A-7-5, Cl, brn, Molst, Rec. = 2.0 ft, Roller-coned ahead.		29	32.2	0.0	1.2	98.8	66	34
75		A-7-6, Cl, brn-gry, Moist, Rec. = 2.0 ft, Roller-coned ahead, Advanced casing.		22	34.9	0.0	1.0	99.0	56	29
80		A-7-5, Cl, brn-gry, Molst, Rec. = 2.0 ft, Roller-coned ahead, Advanced casing.		22	35.7	0.0	0.6	99.4	65	34
		A-7-5, Cl, brn-gry, Molst, Rec. = 1.8 ft, Tube sample useing trimmings from triaxial & direct shear tests.			31.6	0.0	0.6	99.4	63	31
85		A-7-6, Cl, brn-gry, Molst, Rec. = 2.0 ft, Roller-coned ahead.		23	37.9	0.0	1.0	99.0	61	31
		A-7-6, Cl, gry, Molst, Rec. = 2.0 ft, Used material from Triaxial sample "A".			35.1	0.0	0.6	99.4	53	32
90		A-7-6, SlCl, gry, Moist, Rec. = 2.0 ft, Roller-coned ahead. Hydrometer Analysis: Particles smaller than 0.002mm = 30.3%		25	32.0	0.0	1.8	98.2	42	17
95		A-4, Sl, gry, Molst, Rec. = 1.7 ft		44	28.6	0.0	4.7	95.3		

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CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	N VALUE / RUN	M.C. (%) / REC (%)	GRAVEL (%) / RQD (%)	SAND (%) / Dip (deg)	FINES (%) / Drill Rate (min/ft)	LL (%)	PI (%)
		A-4, SaGrSl, gry, Wet, Rec. = 1.0 ft, Broken rock was within sample.		R	16.0	39.1	21.7	39.2		
105		A-4, SaGrSl, brn, Molst, Rec. = 2.0 ft		38	16.8	26.2	21.1	52.7		
110		A-4, Sl, brn, Wet, Rec. = 1.1 ft		62	32.1	8.3	11.7	80.0		
115		A-4, SlGr, brn, Wet, Rec. = 0.9 ft, Broken rock and some weathered rock was within sample.		R	15.4	43.9	14.6	41.5		
		115.9 ft - 118.0 ft, NXDC, No Recovery. Suspect severly weathered rock.		1	0		?			
120		118.0 ft - 123.0 ft, Hard, NXMDC, Gray quartzose and micaceous metalimestone with vitreous quartz in the bottom 0.35 ft of run. Unweathered to slightly weathered.		2	44	36	45	12 6 2 3 4		
		Hole stopped @ 123.0 ft								
125										
130										
135										
140										
145										

Top of Bedrock @ 115.9 ft

DRILLER'S NOTES:
1. Installed Inclinometer to 117.8 ft.
2. Top of Inclinometer is 2.5 ft. above ground surface.

Ground water tables with dates.
16.3' on 03/14/08
14.5' on 03/18/08
12.6' on 03/20/08
1.4' on 03/21/08
4.7' on 03/25/08

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