



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

BORING NUMBER: B318a
SHEET 1 of 2
DATE STARTED: 7/02/13
DATE COMPLETED: 7/03/13

PROJECT NAME: Newport City STP 134-3(22)
SITE NAME: Route 191 Landslide
STATION: -
OFFSET: -
VTSPG: -

PROJECT NUMBER: GAI 133-87312
SITE NUMBER: -
GROUND ELEVATION: 815.33 ft
GROUNDWATER DEPTH: Not encountered
PROJECT PIN NUMBER: -

BORING CREW: New Hampshire Boring
DRILLER: Bub Thompson
LOGGER: Noah Chinburg
BORING RIG: CME-750 ATV

BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE: ROPE & CATHEAD
CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
0.0 ft - 5.0 ft		Drilling pad. No samples until 5 ft.							
5.0 ft - 7.0 ft		S1: 5.0 ft - 7.0 ft, A-2-4, medium-brown, moist, medium dense, fine to coarse SAND, some gravel, some silt, (SM), Rec. = 1.58 ft	6-7-11-12 (18)	8.1	33.3	38.7	28.0		
10.0 ft - 12.0 ft		S2: 10.0 ft - 12.0 ft, A-4, light-brown, moist, stiff, clayey SILT, some gravel, some fine sand, (ML). Note: Low sample recovery. Possibly wash material, Rec. = 0.08 ft	8-7-7-7 (14)						
15.0 ft - 17.0 ft		S3: 15.0 ft - 17.0 ft, A-4, gray-brown, moist, medium dense, silty fine to coarse SAND, little gravel, trace organics (roots), (SM). Note: Possible root mat recovered in spoon, Rec. = 0.67 ft	22-14-15-15 (29)	13.3	19.3	37.8	42.9		
18.0 ft		Driller indicated soft conditions.							
20.0 ft - 22.0 ft		S4: 20.0 ft - 22.0 ft, A-4, gray, wet, medium dense, silty fine to medium SAND, little gravel, (SM). Note: Low sample recovery. Possible wash material, Rec. = 0.08 ft	3-7-11-6 (18)						



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25.0 ft - 27.0 ft		S5: 25.0 ft - 27.0 ft, A-4, brown-gray, stiff, SILT, little gravel, little fine to coarse sand, (ML). Note: Low recovery (gravel in tip of spoon). Suspected wash material, Rec. = 0.17 ft	19-12-6-7 (18)						
28.0 ft		Cobble suspected due to drill response.							
30.0 ft - 32.0 ft		S6: 30.0 ft - 32.0 ft, A-4, gray, moist, hard, SILT, trace fine to medium sand in lenses, (ML). P.P. = 1.5, 1.9, 1.7 tsf; Tv = 0.5, 0.45, 0.35 tsf., Rec. = 1.17 ft	33-26-19-23* (45)	22.6				24	4
35.0 ft - 37.0 ft		S7: 35.0 ft - 37.0 ft, A-4, gray, moist, hard, SILT, little fine to medium sand, trace gravel, (ML), Rec. = 1.0 ft	26-32-28-29* (60)	13.0	10.8	16.5	72.7	18	1
40.0 ft - 40.3 ft		Spoon was bouncing during driving. Hole stopped @ 40.0 ft	60/4" (R)						
<p>Notes:</p> <ul style="list-style-type: none"> - * 3" spoon used. Do not use N-values for design. - Hole abandoned after encountering suspected horizontal drain. Hole backfilled with grout. Boring continued in B318b. 									

LOG OF BORING & WELL - NEWPORT.GPJ - VT.AOT.GDT 8/13/14

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