

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: B305a SHEET 1 of 3 DATE STARTED: 6/10/13 DATE COMPLETED: 6/11/13		
PROJECT NAME: Newport City STP 134-3(22) SITE NAME: Route 191 Landslide STATION: - OFFSET: - VTSPG: N 888253.58 ft E 1721088.23 ft		PROJECT NUMBER: GAI 133-87312 SITE NUMBER: - GROUND ELEVATION: 825.16 ft GROUNDWATER DEPTH: 12.0 ft 6/11/13 PROJECT PIN NUMBER: -			BORING CREW: New Hampshire Boring DRILLER: Bub Thompson LOGGER: Noah Chlnburg BORING RIG: CME-750		
BORING CREW: New Hampshire Boring DRILLER: Bub Thompson LOGGER: Noah Chlnburg BORING RIG: CME-750		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 (%)
		S1: 0.0 ft - 2.0 ft, A-1-b, A-1-b, dark brown, moist, loose, well graded fine to coarse SAND, little gravel, little organics, (FILL), (SP), Rec. = 0.17 ft	1-3-4-5 (7)				
		S2: 5.0 ft - 7.0 ft, A-4, A-1-b, top 3"; Gray brown, wet, medium dense, medium SAND, little gravel, (SP), A-4, bottom 12"; Gray, wet, medium dense, SILT, some fine to medium sand, little gravel, (FILL), (ML), Rec. = 1.25 ft	10-12-12-11 (24)	10.4	15.4	30.2	54.4
		S3: 10.0 ft - 12.0 ft, A-4, A-4, gray brown, wet, medium dense, SILT, some fine to medium SAND, little gravel, (FILL), (ML), Rec. = 1.42 ft	13-16-19-26 (35)				
		13.5 ft, Refusal of casing at approximately 13.5', 6-8" cobble.					
		S4: 15.0 ft - 17.0 ft, No recovery.	35-49-46-50 (95)				
		S5: 20.0 ft - 22.0 ft, A-4, gray-brown, wet, dense, SILT, some fine sand, (FILL), (ML), Black stain 12" from top, Rec. = 1.33 ft	13-17-20-26 (37)	16.0			
					2.0	23.4	74.6

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PROJECT NAME: Newport City STP 134-3(22) SITE NAME: Route 191 Landslide STATION: - OFFSET: - VTSPG: N 888253.58 ft E 1721088.23 ft		PROJECT NUMBER: GAI 133-87312 SITE NUMBER: - GROUND ELEVATION: 825.16 ft GROUNDWATER DEPTH: 12.0 ft 6/11/13 PROJECT PIN NUMBER: -			BORING CREW: New Hampshire Boring DRILLER: Bub Thompson LOGGER: Noah Chlnburg BORING RIG: CME-750		
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		S6: 25.0 ft - 27.0 ft, A-4, gray-brown, wet, dense, SILT, some fine to coarse sand, little gravel, (FILL), (SM), Layer of clayey sand about 8" from top of sample, Rec. = 0.92 ft	11-15-23-28 (38)				
		S7: 30.0 ft - 32.0 ft, A-4, top 6"; Medium brown, wet, very dense, fine to medium SAND, little gravel, little silt, (FILL), (SM), A-4, bottom 5"; Gray brown, wet, very dense, sandy SILT, trace clay, Low plasticity, high dilatency, trace organics (roots), (ML), Rec. = 0.92 ft	15-33-32-27 (65)	11.0	19.7	63.6	16.7
		S8: 35.0 ft - 37.0 ft, A-4, gray brown, wet, very dense, silty fine to medium SAND, trace clay, (SM), Rec. = 1.08 ft	15-24-27-26 (51)				
		S9: 40.0 ft - 42.0 ft, A-4, gray brown, wet, medium dense, silty fine SAND grading to gray, medium dense, silty medium SAND, (SM), Rec. = 1.08 ft	7-7-9-7 (16)				
		S10: 42.0 ft - 44.0 ft, A-4, top 9"; Gray, wet, medium dense, silty fine SAND, (SM), A-4, bottom 9"; Brown-gray, wet, medium dense, silty fine sand, little gravel, (SM), Rec. = 1.5 ft	5-8-11-15 (19)				
		S11: 44.0 ft - 46.0 ft, A-4, gray-brown, wet, medium dense, sandy SILT, some gravel, some clay, low plasticity, high dilatency, (ML), Gravel blocking top of spoon, Top 8-10" suspected wash, Rec. = 1.25 ft	12-13-12-12 (25)				
		S12: 46.0 ft - 48.0 ft, No recovery; spoon full of wash.	16-21-29-32 (50)				

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		S13: 50.0 ft - 52.0 ft, A-4, gray, moist, dense, SILT, some fine sand, trace gravel, trace clay, (ML), PP = 3.2 tsf, Rec. = 1.33 ft	17-17-26-35 (43)	14.6	7.9	23.0	69.1
		54.0 ft - 55.0 ft, Approx. 10" of cobble based on drill rig behavior.					
		S14: 55.0 ft - 57.0 ft, A-4, gray, wet, medium dense, silty fine to medium SAND, some coarse gravel, trace clay, (SM), Rec. = 0.67 ft	17-15-10-15 (25)				
		57.0 ft - 60.0 ft, Driller reported cobbles 57-60.					
		S15: 60.0 ft - 62.0 ft, A-4, gray, wet, very dense, silty fine SAND, (SM), Top 2" of sample dayey silt, PP = 1.5, 1.7, 2.1 tsf, Tv = 0.25, 0.21 tsf, Rec. = 0.75 ft	32-35-40-54 (75)				
Hole stopped @ 62.0 ft							
<b>Notes:</b> - Drilled with 60 ft of 5" casing. - Hole abandoned at 62 ft due to deviation of casing on suspected boulder/cobble. Casing broke at 55 ft during removal. See log for B305b for depths greater than 62 ft.							

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