

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION				BORING NUMBER: B307b SHEET 1 of 5 DATE STARTED: 7/10/13 DATE COMPLETED: 7/11/13				
PROJECT NAME: Newport City STP 134-3(22) SITE NAME: Route 191 Landslide STATION: - OFFSET: - VTSPG: N 888421.24 ft E 1721034.47 ft		PROJECT NUMBER: GAI 133-87312 SITE NUMBER: - GROUND ELEVATION: 786.6 ft GROUNDWATER DEPTH: 35.0 ft 7/10/13 PROJECT PIN NUMBER: -				BORING CREW: New Hampshire Boring DRILLER: Rich Leonard LOGGER: Noah Chinburg BORING RIG: Mobile B-53 Track				
BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL HAMMER TYPE: ROPE & CATHEAD CHECKED BY:		WELL DIAGRAM		BLOWS PER 6 IN N VALUE		M.C. (%)				
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER 6 IN N VALUE	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		Top of Well Elevation: 789.13 ft		4-7-10-6 (17)						
		S1: 0.0 ft - 2.0 ft, A-1-b, medium brown, moist, medium dense, fine to coarse SAND, some gravel, little silt, little organics (grass roots), (SM), Rec. = 1.08 ft								
		S2: 5.0 ft - 7.0 ft, A-1-b, medium brown with gray layers, moist, medium dense, fine to coarse sandy GRAVEL, some silt, (GM), Rec. = 1.33 ft		34-14-12-14 (28)	6.2	49.6	28.0	22.4		
		S3: 10.0 ft - 11.25 ft, A-4, medium brown, moist, loose, silty fine SAND, little gravel, trace organics (roots), (SM), Rec. = 1.17 ft		4-6-4-5 (10)						
		11.25 ft - 12.0 ft, A-6, gray, moist, loose, fine to medium SAND interbedded with sandy CLAY, (SP-CL)								
		S4: 15.0 ft - 17.0 ft, A-4, gray, moist, loose, silty fine to medium SAND, little coarse sand, little sandy clay in layers, trace organics (roots), (SM), Rec. = 1.33 ft		3-2-8-5 (10)						
		S5: 20.0 ft - 20.75 ft, A-6, brown-gray, moist, very silty, silty CLAY, little fine sand, (CL), Rec. = 1.57 ft		2-8-18-22 (26)						
		20.75 ft - 22.0 ft, A-1-b, gray, wet, medium dense, fine to coarse SAND, little silt, trace gravel, (SM)								

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		S6: 25.0 ft - 27.0 ft, A-4, gray, wet, very dense, SILT, little fine sand, trace gravel, (ML), Rec. = 1.42 ft		20-28-38-68 (68)	19.8	0.7	16.5	82.8		
		S7: 30.0 ft - 32.0 ft, A-6, gray, moist, very stiff, silty CLAY, trace gravel, trace fine sand (layers), (CL), End of casing at 30 ft bgs, Rec. = 1.42 ft		11-12-16-25 (28)	23.9	10.3	1.5	88.2	40	16
		S8: 35.0 ft - 36.5 ft, A-4, gray, moist, hard, silty CLAY, trace fine sand (layers), (CL), Rec. = 1.58 ft		9-16-22-28 (28)	26.6				28	8
		36.5 ft - 37.0 ft, A-4, gray, moist, SILT, (ML)								
		S8: 40.0 ft - 42.0 ft, A-4, gray, moist, hard, silty CLAY, fine sand and silt in layers, (CL-ML), Rec. = 1.67 ft		4-16-29-38 (45)	23.9				25	4
		44.8 ft, Cobble encountered.								
		S10: 45.0 ft - 47.0 ft, A-4, gray, moist, hard, clayey SILT, some fine sand, little gravel, (ML), Rec. = 1.5 ft		28-32-39-30 (71)						

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		S11: 50.0 ft - 52.0 ft, A-4, gray, moist, hard, clayey SILT, some fine sand, trace gravel, (ML), Rec. = 1.25 ft		21-22-21-16 (43)						
		S12: 55.0 ft - 55.9 ft, A-4, gray, moist, hard, clayey SILT, some fine sand, trace gravel, (ML), Rec. = 0.75 ft		30-100/5" (R)						
		S13: 60.0 ft - 62.0 ft, A-4, gray, moist, hard, clayey SILT, some fine sand, trace gravel, (ML), Rec. = 1.58 ft		16-23-28-47 (51)	12.8	11.0	18.8	70.2		
		S14: 65.0 ft - 67.0 ft, A-4, gray, moist, hard, clayey SILT, some fine sand, trace gravel, (ML), Rec. = 1.83 ft		16-26-42-50 (68)						
		66.3 ft, Siltskensides,								
		S15: 70.0 ft - 72.0 ft, A-4, gray, moist, hard, silty CLAY, little fine to coarse sand, little gravel, (CL), Rec. = 1.53 ft		40-41-50-46 (91)	16.4					30 10

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		S16: 75.0 ft - 77.0 ft, A-6, gray, moist, hard, silty CLAY, little fine sand, trace gravel, (CL), Rec. = 2.0 ft		21-34-42-50 (76)						
		S17: 80.0 ft - 80.67 ft, A-4, gray, moist, hard, clayey SILT, little fine to coarse sand, little gravel, (ML), Rec. = 1.0 ft		54-100/6" (R)						
		80.67 ft - 81.0 ft, A-3, fine SAND, (SP)								
		S18: 85.0 ft - 85.8 ft, A-2-4, gray, wet, fine SAND, some silt, (SM), Rec. = 0.83 ft		80-100/4" (R)						
		S19: 90.0 ft - 91.5 ft, A-4, brown-gray and gray, moist, hard, clayey SILT, little fine sand (layers), (ML), Rec. = 1.58 ft		19-25-32-78 (57)						
		91.5 ft - 92.0 ft, A-1-b, gray, wet, very dense, medium to coarse SAND, (SP)								
		S20: 95.0 ft - 96.3 ft, A-4, gray, wet, hard, SILT, little fine sand, (ML), Rec. = 0.75 ft		43-70-100/4" (R)	24.5	0.0	12.5	87.5		

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		S21: 100.0 ft - 101.6 ft, A-4, gray, wet, hard, SILT, trace fine sand, (ML), Rec. = 1.33 ft		20-57-78-100/3" (135)	24.1	0.0	9.7	90.3		
		101.6 ft - 101.8 ft, A-4, clayey SILT, little fine sand, layered, (ML)								
		S22: 105.0 ft - 106.6 ft, A-6, gray and dark brown (mottled), moist, hard, varved SILT, trace fine sand in varves, (ML), P.P. = 74.5 tsf		25-40-84-100/3" (124)	27.5	0.0	1.0	99.0	37	11
		106.6 ft - 106.8 ft, A-1-b, medium SAND, (SP)								
		S23: 110.0 ft - 112.0 ft, A-4, brown and gray, moist, very dense, silty fine to coarse SAND, some gravel, (SM), Note: Piece of gravel blocking spoon tip, Rec. = 0.5 ft		76-58-49-58 (107)						
		S24: 115.0 ft - 116.9 ft, A-4, gray, moist, hard, clayey SILT, some fine sand, varved, (ML), Rec. = 1.75 ft		29-47-57-100/5" (104)						
		117.5 ft - 118.0 ft, U1: Shelby tube attempted but could not advance past 6".								
		118.5 ft, Gravel lenses inferred from wash.								
		119.5 ft - 120.0 ft, U2: Less gravel observed in the wash. Second Shelby tube attempted but was crushed after being advanced 6".								
		Hole stopped @ 120.0 ft								

LOG OF BORINGS & WELL - NEWPORT.CITY_VT_ADT.GDT - 8/13/14

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