

PROJECT NAME: Newport City STP 134-3(22)
 SITE NAME: Route 191 Landslide
 STATION: -
 OFFSET: -
 VTSFG: N 888291.11 ft E 1721201.34 ft

PROJECT NUMBER: GA1 133-87312
 SITE NUMBER: -
 GROUND ELEVATION: 800.66 ft
 GROUNDWATER DEPTH: 25.45 ft 6/13/13
 PROJECT PIN NUMBER: -

BORING CREW: Boart Longyear
 DRILLER: Jason Koering
 LOGGER: Helena Hollauer
 BORING RIG: 600T Sonic

BORING TYPE: Sonic
 SAMPLE TYPE: Continuous Core
 HAMMER TYPE: N/A
 CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FT IN VALUE	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
0.0 ft - 0.5 ft		Top of well casing, 803.02 ft						
0.5 ft - 10.0 ft		A-2-4, brown, dry to damp, fine to medium SAND, little silty, trace gravel, (CL), (SL).			15.6	4.3	66.6	28.1
10.0 ft - 28.0 ft		A-2-4, gray-brown, dry to damp, fine to coarse SAND, some silty, trace gravel, trace clay, (FLL), (SM). Occasional pockets of clayey SILT. Soils grayish color from 25-26 ft.						
16.0 ft		Cobble encountered.						

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0.0 ft - 28.0 ft		A-2-4, gray-brown, dry to damp, fine to coarse SAND, some silty, trace gravel, trace clay, (FLL), (SM).						
31.0 ft - 34.0 ft		A-4, dark brown, dry to damp, sandy SILT, trace gravel, little roots (ML).						
34.0 ft - 36.0 ft		A-4, dark brown gray, moist, loose, SILT, trace gravel, trace fine to coarse sand, (ML).						
36.0 ft - 51.0 ft		A-4, brown-gray, moist, very stiff, little to medium sandy SILT, (ML). Layers of coarse SAND at approx. 38', 42' and 45'. Color change to dark gray after 49 ft.						

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51.0 ft - 55.0 ft		A-4, dark gray, dry to moist, dense, silty fine SAND, little gravel, (SM). Slippensides at 54'. Grades to a silty clay, trace gravel.						
55.0 ft - 71.0 ft		A-4, dark gray, dry to moist, silty fine SAND, little gravel, (SM). Varves beginning.						
71.0 ft - 77.0 ft		A-4, dark gray, dry to moist, hard, silty CLAY, trace gravel, (CL). Varves of silty CLAY and fine sand between 75-77'.						
77.0 ft - 101.5 ft		A-4, dark gray, dry to damp, silty fine to medium SAND, little clay, fine silt, clots. Ground increases with depth. Clay varies from trace to little through interval (71-95'), (SM).						

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82.0 ft - 84.0 ft		Slippensides.						

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101.5 ft - 104.0 ft		A-4, mixed dark gray, moist, dense, silty CLAY pockets within a matrix of dark gray fine to coarse SAND, some silty, little clay. Silty clay appears as rounded soil. (CLML). Possible disturbed zone.			12.3		58.3	28.4
104.0 ft - 111.0 ft		A-4, medium brown and gray, dry to moist, stiff, silty CLAY, slightly varved with fine sand, (CLML). Varves become more defined at 106'. Depths between 106'-120' are approximate due to sample.						
111.0 ft - 121.0 ft		A-4, gray, dry to moist, stiff, silty CLAY, varved with the sand, (CLML). Varves grade from silty clay to clayey fine sand at approx. 116'. Depths between 105'-126' are approximate due to sample stretch in core barrel.						
121.0 ft - 121.5 ft		Silted concrete SILT varves at 121'. Possible 80% zone, (ML).						
125.0 ft - 125.5 ft		A-4, gray and brown, dry to damp, SILT, little gravel (subangular weathered PHYLLITE), little fine sand (ML).						
125.5 ft - 126.0 ft		A-4, gray and brown, dry to damp, SILT, little gravel (subangular weathered PHYLLITE), little fine sand (ML).						

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125.5 ft - 126.5 ft		A-4, gray, dry to moist, stiff, silty CLAY, varved with the sand, (CLML), (approximate depths).						
126.5 ft - 129.0 ft		A-4, mixed zone of medium orange-brown clayey SILT with gray clayey SILT, some subangular gravel, (ML), (approximate depths).						
129.0 ft - 130.0 ft		A-4, medium orange-brown, SILT, trace clay, (ML), (approximate depths).						
130.0 ft - 132.0 ft		A-4, medium brown, dry to moist, SILT, with orange-brown varves, clayey SILT, (ML). Appears rounded/disturbed, (approximate depths).						
132.0 ft - 136.0 ft		A-4, medium brown, dry to moist, SILT and clayey SILT, with orange-brown varves, (ML). Has clearly defined varves that appear folded, (approximate depths).			28.7	0.0	0.6	99.4
136.0 ft - 137.0 ft		A-4, medium brown, dry to moist, silty fine to medium SAND, some gravel, trace clay, (SM), (approximate depths).						
137.0 ft - 141.0 ft		A-4, gray and brown, dry to damp, SILT, little fine sand, some gravel (subangular weathered PHYLLITE), (ML).						
141.0 ft - 143.0 ft		A-4, gray and orange-brown SILT. Zone appears rounded, (ML).						
143.0 ft - 143.5 ft		A-4, orange brown, wet, SILT, (ML).						
143.5 ft - 146.0 ft		A-4, dark gray-brown, moist, SILT, appears modified, (ML).						
146.0 ft - 153.0 ft		A-4, gray and brown, dry to damp, SILT, little fine sand, little gravel (subangular weathered PHYLLITE).						

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153.0 ft - 159.0 ft		A-4, dark brown-gray, moist, soft, SILT, (ML).						
159.0 ft - 161.0 ft		A-6, cobble, followed by dark gray, moist, soft, silty CLAY, mixed with fresh rock fragments, (CL).						
161.0 ft - 162.0 ft		A-4, dark gray, stiff, silty CLAY, mixed with fresh rock fragments, (CL).						
162.0 ft - 163.0 ft		A-4, dark brown, medium dense, SILT, (ML).						
163.0 ft		Hole stopped @ 163.0 ft						
<p>Notes:</p> <ul style="list-style-type: none"> - Denotes indicated in soil descriptions are based on adjacent SPT values and field experience. - 2" well screen set 140 to 145 ft. Same pack from 137.5 to 146 ft. Benetite cobbles from 133 to 137.5 ft and 146 to 163 ft. Grouted from 133 ft to ground surface. 								

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