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

BORING NUMBER: B318b
SHEET 1 of 5
DATE STARTED: 7/08/13
DATE COMPLETED: 7/09/13

PROJECT NAME: Newport City STP 134-3(22)
SITE NAME: Route 191 Landslide
STATION: -
OFFSET: -
VTSPG: N 888401.75 ft E 1720911.72 ft

PROJECT NUMBER: GAI 133-87312
SITE NUMBER: -
GROUND ELEVATION: 815.33 ft
GROUNDWATER DEPTH: 19.4 ft 7/09/13
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:

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: 817.7 ft								
		0.0 ft. Washed ahead to 40 ft to resume exploration from boring B-318a.								

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

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SHEET 2 of 5
DATE STARTED: 7/08/13
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HAMMER TYPE: ROPE & CATHEAD
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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 (%)
		S1: 40.0 ft - 42.0 ft, A-4, gray, wet, very dense, silty fine to medium SAND, (SM). P.P. = 1.2, 0.9 tsf, Rec. = 1.33 ft		24-34-46-51 (80)	19.2	0.0	53.2	46.8		
		S2: 45.0 ft - 47.0 ft, A-4, gray, wet, hard, SILT, some silty fine sand in layers, (ML). P.P. = 3.7, 1.5 tsf; Tv = 0.45 tsf, Rec. = 1.83 ft		24-36-39-51 (75)	23.6				28	5

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SHEET 3 of 5
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BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE: ROPE & CATHEAD
CHECKED BY:

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 (%)
		S3: 50.0 ft - 52.0 ft, A-7-6, gray, molst, hard, silty CLAY, trace fine sand in layers, (CL-ML). P.P. = 4.2 tsf; Tv = 0.45 tsf, Rec. = 2.0 ft		18-23-30-39 (53)	26.9				41	15
		S4: 55.0 ft - 56.5 ft, A-4, gray, wet, very dense, interbedded silty fine SAND and SILT, layers (0.5-2" thick), (SM), Rec. = 1.42 ft		28-56-85-50/2" (141)						
		S5: 60.0 ft - 62.0 ft, A-4, gray, molst, hard, interbedded silty CLAY and SILT, (ML), Rec. = 0.92 ft		28-39-57-100 (96)	24.9				24	2
		S6: 65.0 ft - 67.0 ft, A-4, gray, molst, hard, interbedded silty CLAY and SILT, (CL-ML). P.P. = 1.8, 2.6 tsf (sample cracked); Tv = 0.3, 0.3 tsf, Rec. = 1.25 ft		24-55-80-100/5" (135)						
		69.2 ft, Gravel based on drill rig behavior.								
		S7: 70.0 ft - 70.5 ft, A-6, gray, molst, hard, silty CLAY and fine to coarse SAND and GRAVEL, (CL-GP), Rec. = 0.33 ft		100/6" (R)						

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SHEET 4 of 5
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		S8: 75.0 ft - 76.5 ft, A-4, gray, molst, hard, SILT, some fine to coarse sand, trace fine gravel, (ML), Rec. = 1.5 ft		54-60-100/6" (R)	14.4	8.8	26.4	64.8		
		S9: 80.0 ft - 80.5 ft, A-4, gray, molst, hard, SILT, some fine to coarse sand, trace fine gravel, (ML), Rec. = 0.5 ft		120/6" (R)						
		S10: 85.0 ft - 85.9 ft, A-1-b, gray, molst, very dense, gravelly fine to coarse SAND, trace silt, (SW-SM), Rec. = 0.92 ft		86-100/5" (R)						
		S11: 90.0 ft - 90.8 ft, A-4, gray, molst, hard, SILT, some fine to coarse sand, trace fine gravel, (ML), Rec. = 0.83 ft		59-100/4" (R)						
		S12: 95.0 ft - 95.8 ft, A-4, gray, molst, hard, SILT, some fine to coarse sand, some fine gravel, (ML), Rec. = 0.83 ft		69-100/4" (R)						

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		S13: 100.0 ft - 100.8 ft, A-4, gray, molst, hard, SILT, some fine to medium sand, trace fine gravel, (ML), Rec. = 0.83 ft		78-100/4" (R)	14.9	2.8	24.7	72.5		
		S14: 105.0 ft - 105.7 ft, A-6, brown gray, molst, hard, silty CLAY, some fine sand pockets, (CL), Rec. = 1.0 ft		45-100/6" (R)						
		105.7 ft - 106.0 ft, A-1-b, gray, molst, medium to coarse SAND, (SP)								
		106.5 ft, Hole washed ahead to 106.5 ft for piezometer installation. Hole stopped @ 106.5 ft								

Notes:
- Boring terminated above bedrock surface.
- 1" casing installed for SAA. Two vibrating wire piezometers installed at 41.5 and 106.5 ft.
- Hole backfilled with grout.

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