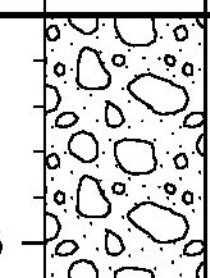
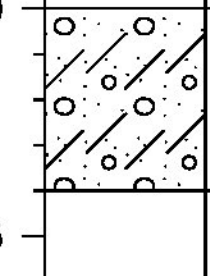
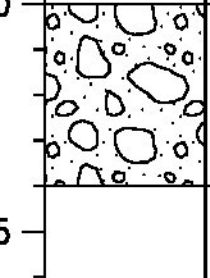
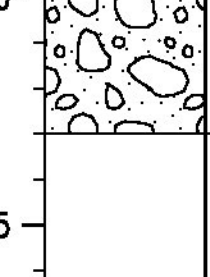

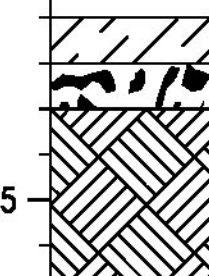
 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION	BORING LOG		Boring No.: <u>B-206</u>						
	Hartford, VT 191 Bridge 43 N/S		Page No.: <u>1 of 2</u> Pin No.: <u>s12a132</u> Checked By: <u>ASP</u>						
Boring Crew: <u>NTB/Mike Nadeau, MJR</u>	Casing Type: <u>Auger/WB</u>	Sampler: <u>SS</u>	Groundwater Observations <table border="1"> <thead> <tr> <th>Date</th> <th>Depth (ft)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>03/26/14</td> <td>11.4</td> <td>After casing removal</td> </tr> </tbody> </table>	Date	Depth (ft)	Notes	03/26/14	11.4	After casing removal
Date	Depth (ft)	Notes							
03/26/14	11.4	After casing removal							
Date Started: <u>3/25/14</u> Date Finished: <u>3/26/14</u>	I.D.: <u>4.5 in</u>	SS: <u>2 in</u>							
VTSPG NAD83: <u>N 417516.45 ft</u> <u>E 1683358.85 ft</u>	Hammer Wt: <u>300 lb.</u>	140 lb.							
Station: <u>250+18.53</u> Offset: <u>37.94</u>	Hammer Fall: <u>N.A.</u>	<u>30 in.</u>							
Ground Elevation: <u>551.24 ft</u>	Hammer/Rod Type: <u>Auto</u>								
	Rig: <u>CME 50</u>	CE = <u>1.33</u>							

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate (minutes/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		A-1-b, SaGrSi, Rec. = 1.17 ft, (FILL)				1-4-8-7 (12)	15.6	32.0	48.7	19.3
5.0		A-2-4, SaGrSi, Rec. = 11.0 ft, (FILL)				8-8-6-8 (14)	10.4	28.7	46.6	24.7
10.0		A-1-b, GrSaSi, Rec. = 0.5 ft				19-12-9-8 (21)		59.4	23.3	17.3
15.0		A-1-b, GrSaSi, Rec. = 10.8 ft				10-12-27-50/2" (39)	11.6	39.8	39.6	20.6

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
 3. Water level readings have been made at times and under conditions stated.
 4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VDOT.



 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION	BORING LOG		Boring No.: <u>B-206</u>						
	Hartford, VT 191 Bridge 43 N/S		Page No.: <u>2 of 2</u> Pin No.: <u>s12a132</u> Checked By: <u>ASP</u>						
Boring Crew: <u>NTB/Mike Nadeau, MJR</u>	Casing Type: <u>Auger/WB</u>	Sampler: <u>SS</u>	Groundwater Observations <table border="1"> <thead> <tr> <th>Date</th> <th>Depth (ft)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>03/26/14</td> <td>11.4</td> <td>After casing removal</td> </tr> </tbody> </table>	Date	Depth (ft)	Notes	03/26/14	11.4	After casing removal
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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate (minutes/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
27.5		A-4, SiSaGr Weathered bedrock 26.5 ft - 28.5 ft, Gray-green ANDESITE, fresh, very hard, 45°, 75°, 20° joint sets, rough, open, moderately close, foliated.						21.4	12.1	13.7
		Hole stopped @ 28.5 ft								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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PROJECT NAME: **HARTFORD**
 PROJECT NUMBER: **IM 09I-2(79)**
 FILE NAME: **s12a132bor_new.dgn** PLOT DATE: **15-DEC-2014**
 PROJECT LEADER: **K. HIGGINS** DRAWN BY: **W. LAMMER**
 DESIGNED BY: **W. LAMMER** CHECKED BY: **J. SALVATORI**
 BORING LOGS 5 SHEET **77** OF **166**