

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-1			
		Huntington BRO 1445(35)		Page No.: 1 of 1		Pin No.: 12J162			
		Checked By: ASP							
Boring Crew: New Hampshire Boring, Derry, NH, CBR		Casing: WB		Sampler: SS		Groundwater Observations			
Date Started: 11/14/13 Date Finished: 11/15/13		I.D.: 4.25 in 1.38 in		Date		Depth (ft)			
VTSPG NAD83: N 1527538.13 ft E 655450.20 ft		Hammer Wt: N.A. N.A.		11/14/13		7.5 WS			
Station: 4+01.50 Offset: 11.25R		Hammer Fall: N.A. N.A.		11/15/13		8.0 ACR			
Ground Elevation: 1086.0 ft		Hammer/Rod Type: Manual		11/15/13		8.3 BCR			
		Rig: CME 45C SKID CE = 1.3							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-0.33	Rec. = 0.5 ft, 0.0 ft - 0.33 ft, 4-inches topsoil				2-3-6-7 (9)	12.3	34.1	41.2	24.7
0.33-0.5	A-1-b, SaGrSi, brn, Moist, FILL				4-3-4-5 (7)	7.4	48.4	24.8	26.8
0.5-0.75	A-2-4, GrSiSa, brn, Moist Rec. = 0.5 ft				3-3-16-15 (19)	40.6	28.5	31.4	40.1
0.75-1.16	A-4, SiSaGr, brn, Wet, Rec. = 0.75 ft				15-16-8-28 (24)	31.8	29.4	42.4	28.2
1.16-1.6	A-2-4, SaGrSi, red-brn, with organics from 6-8 feet Rec. = 1.16 ft				5-9-12-20 (21)	11.5	30.8	36.7	32.5
1.6-2.0	A-2-4, SaSiGr, brn-gry, Rec. = 0.5 ft				25-50/3 (50+)	10.8	43.2	34.3	22.5
2.0-2.75	A-1-b, GrSaSi, gry-brn, Rec. = 0.75 ft				7.7	62.0	22.4	15.6	
2.75-12.0	A-1-b, GrSaSi, brn, Weathered bedrock				1	90 (51.9)			
12.0-17.0	10.75 ft - 12.0 ft, Weathered bedrock								
17.0-22.0	12.0 ft - 17.0 ft, Bedrock. Gray, greenish gray muscovite-quartz SCHIST, magnetite rich zone at 14.5'. moderately hard, moderately weathered from 15' to 16', remainder of run unweathered								
22.0-22.0	17.0 ft - 22.0 ft, Bedrock. Gray, greenish gray muscovite-quartz SCHIST, moderately hard, unweathered								
22.0-22.0	Hole stopped @ 22.0 ft								
22.0-22.0	Remarks: Elevations are approximate.								

ABUTMENT #1  
TOP OF FOOTING  
ELEV 1079.00

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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. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VDOT.

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-2			
		Huntington BRO 1445(35)		Page No.: 1 of 1		Pin No.: 12J162			
		Checked By: ASP							
Boring Crew: New Hampshire Boring, Derry, NH, CBR		Casing: WB		Sampler: SS		Groundwater Observations			
Date Started: 11/11/13 Date Finished: 11/12/13		I.D.: 4.25 in 1.38 in		Date		Depth (ft)			
VTSPG NAD83: N 1527563.22 ft E 655485.68 ft		Hammer Wt: N.A. N.A.		11/12/13		5.0 ACR			
Station: 4+46.00 Offset: 14.00R		Hammer Fall: N.A. N.A.		11/13/13		8.0 16 hrs			
Ground Elevation: 1086.0 ft		Hammer/Rod Type: Manual							
		Rig: CME 45C SKID CE = 1.3							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-1.5	Rec. = 0.5 ft, 0.0 ft - 0.33 ft, 4-inches topsoil				6-6-7-9 (13)	15.7	28.6	44.4	27.0
1.5-2.0	A-2-4, SaGrSi, brn, Moist, Rec. = 1.5 ft, FILL				10-6-7-8 (13)	6.7	38.7	32.8	28.5
2.0-2.75	A-2-4, GrSaSi, brn, Moist, Rec. = 0.7 ft				5-4-21-42 (25)	14.9	46.6	40.4	13.0
2.75-3.5	A-1-a, GrSaSi, brn-gry, Moist, Rec. = 0.8 ft				23-39-44-50 (83)	7.3	66.1	25.2	8.7
3.5-4.3	A-1-b, GrSaSi				40-40-20-41 (60)	12.2	56.7	34.7	8.6
4.3-5.1	A-1-a, GrSaSi, Rec. = 1.3 ft				13-50/1" (50+)	14.9	66.3	29.8	3.9
5.1-6.1	A-1-a, GrSaSi, Rec. = 1.0 ft				22-34-36-100/20" (70)	11.5	27.5	22.0	50.5
6.1-6.9	A-1-a, GrSaSi, Rec. = 0.5 ft, same as above with probable cobbles or boulder				35-25/0" (25+)	10.0	30.6	24.3	45.1
6.9-7.7	A-4, SiGrSa, brn-gry, Moist, Rec. = 0.8 ft				1	100 (100)			
7.7-8.5	A-4, GrSiSa, Rec. = 0.4 ft								
8.5-14.5	14.5 ft - 16.0 ft, Probable weathered bedrock								
14.5-16.0	16.0 ft - 21.0 ft, Gray, greenish gray muscovite-quartz SCHIST, moderately hard, unweathered								
16.0-21.0	21.0 ft - 26.0 ft, Gray, greenish gray muscovite-quartz SCHIST, moderately hard, unweathered								
21.0-26.0	21.0 ft - 26.0 ft, Gray, greenish gray muscovite-quartz SCHIST, moderately hard, unweathered								
26.0-26.0	Hole stopped @ 26.0 ft								
26.0-26.0	Remarks: Elevations are approximate.								

ABUTMENT #2  
TOP OF FOOTING  
ELEV 1072.00

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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. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VDOT.

PROJECT NAME:	HUNTINGTON
PROJECT NUMBER:	BRO 1445(35)
FILE NAME:	sl2j162bor1ng.dgn
PROJECT LEADER:	C. CARLSON
DESIGNED BY:	M & R
BORING LOGS SHEET 1	
PLOT DATE:	15-OCT-2015
DRAWN BY:	R. PELLETT
CHECKED BY:	D. PETERSON
SHEET	14 OF 44