

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101						
HUNTINGTON BF 0211(32) TH-1 BR-8		Page No.: 1 of 1		Pin No.: 13J080						
Checked By: MLM		Boring Crew: DAIGNEAULT, JUDKINS, HOOK		Type: WB SS						
Date Started: 9/08/14 Date Finished: 9/09/14		Casing I.D.: 4 in 1.5 in		Sampler						
VTSPG NAD83: N 642909.79 ft E 1520030.44 ft		Hammer Wt: N.A. 140 lb.		Groundwater Observations						
Station: 11+62 Offset: -8.20		Hammer Fall: N.A. 30 in.		Date Depth (ft) Notes						
Ground Elevation: 792.4 ft		Hammer/Rod Type: Auto/AWJ		09/09/14 16.7 AM						
Rig: CME 45C SKID C _r = 1.33										
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.68 ft								
		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft				11-8-7-7 (15)	16.1	13.5	57.0	29.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft				9-9-7-6 (15)	13.6	12.3	58.6	29.1
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft, Cleaned out casing.				8-14-18-14 (32)	13.9	19.1	55.2	25.7
		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, Lab Note: Lots of Broken Rock was within sample.				8-10-20-15 (30)	9.2	57.0	33.0	10.0
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				12-18-28-17 (46)	9.4	57.5	32.4	10.1
		A-1-a, Gr, red-brn, Moist, Rec. = 0.5 ft, Lab Note: Lots of Broken Rock was within sample.				10-11-10-6 (21)	8.1	72.4	19.6	8.0
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Lots of Broken Rock was within sample.				6-5-4-4 (10)	9.4	68.2	23.9	7.9
		A-4, GrSi, brn, MTW, Rec. = 0.8 ft, Cleaned out casing.				5-4-3-3 (7)	23.3	22.6	18.1	59.3
		A-4, SaSi, brn, MTW, Rec. = 0.4 ft				2-2-3-4 (5)	29.6	1.8	21.1	77.1
		A-4, Si, brn, MTW, Rec. = 0.8 ft				14-29-30-R@3.5" (59)	27.3	3.8	10.7	85.5
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft				3-10-11-11 (21)	14.0	32.9	37.0	30.1
		A-4, SaGrSi, brn, Moist, Rec. = 1.2 ft				27-25-24-29 (49)	14.8	32.6	31.0	36.4
		Field Note: Cleaned out casing.								
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft				14-29-30-R@3.5" (59)	15.6	19.2	55.7	25.1
		Field Note: Cleaned out casing.								
		Field Note: No Recovery	1	96	4					
		35.2 ft - 40.2 ft, Gray, Muscovite-chlorite-biotite-feldspar-quartz Metagraywacke, and schist with lenses of quartz. Hard, Unweathered, Very good rock, NXMDC, RMR = 84	(25)	(96)	6					
					6					
					5					
					5					
		40.2 ft - 45.2 ft, Gray, Muscovite-chlorite-biotite-feldspar-quartz Metagraywacke, and schist with lenses of quartz. Hard, Unweathered, Very good rock, NXMDC, RMR = 81	2	100	5					
			(25)	(86)	5					
					5					
					5					
					6					
		Hole stopped @ 45.2 ft								
		Remarks: 1. Hole collapsed at 15.7 ft. 2. Offsets were taken from the proposed centerline, not existing.								

BOTTOM OF CAP
EL = 785.0

ESTIMATED PILE TIP
EL = 757.2

BORING LOG 2 HUNTINGTON BF 0211(32) GPJ VERMONT AOT.GDT 9/11/14

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C_r is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102						
HUNTINGTON BF 0211(32) TH-1 BR-8		Page No.: 1 of 1		Pin No.: 13J080						
Checked By: MLM		Boring Crew: DAIGNEAULT, JUDKINS, HOOK		Type: WB SS						
Date Started: 9/05/14 Date Finished: 9/05/14		Casing I.D.: 4 in 1.5 in		Sampler						
VTSPG NAD83: N 642892.67 ft E 1520036.77 ft		Hammer Wt: N.A. 140 lb.		Groundwater Observations						
Station: 11+51 Offset: 6.30		Hammer Fall: N.A. 30 in.		Date Depth (ft) Notes						
Ground Elevation: 792.3 ft		Hammer/Rod Type: Auto/AWJ		09/05/14 7.0 After drilling.						
Rig: CME 45C SKID C _r = 1.33										
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.98 ft								
		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft				7-6-3-4 (9)	15.4	16.1	53.4	30.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft				6-5-4-3 (9)	14.4	16.6	60.0	23.4
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				1-3-4-6 (7)	15.5	42.1	43.8	14.1
		A-1-a, SaGr, brn, Moist, Rec. = 1.6 ft, Lab Note: Broken Rock was within sample.				9-15-18-15 (33)	4.7	57.8	32.6	9.6
		A-1-a, SaGr, brn-white, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.				17-20-27-19 (47)	4.3	57.6	29.5	12.9
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				13-17-12-9 (29)	12.9	51.1	25.9	23.0
		A-4, Si, brn, Moist, Rec. = 0.3 ft				8-8-8-9 (16)	21.6	19.5	15.5	65.0
		A-4, SaSi, brn, MTW, Rec. = 0.9 ft				4-5-4-4 (9)	19.3	16.9	40.4	42.7
		A-4, SaSi, brn, MTW, Rec. = 0.9 ft				2-3-5-5 (8)	19.4	16.9	33.3	49.8
		A-1-b, SiSaGr, red-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				11-13-17-7 (30)	13.2	43.3	36.0	20.7
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.				12-14-22-25 (36)	11.1	33.7	53.9	12.4
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				26-27-33-R@1.0" (60)	12.9	31.9	45.8	22.3
		34.4 ft - 39.4 ft, Gray, Muscovite-chlorite-biotite-feldspar-quartz Metagraywacke, and schist with lenses of quartz. Hard, Unweathered, Good rock, NXMDC, RMR = 72	1	72	5					
			(25)	(30)	5					
					5					
					5					
					5					
		39.4 ft - 44.4 ft, Gray, Muscovite-chlorite-biotite-feldspar-quartz Metagraywacke, and schist with lenses of quartz. Hard, Unweathered, Very good rock, NXMDC, RMR = 84	2	94	5					
			(25)	(94)	6					
					5					
					5					
					6					
		Hole stopped @ 44.4 ft								
		Remarks: 1. Offsets were taken from the proposed centerline, not existing.								

BOTTOM OF CAP
EL = 785.0

ESTIMATED PILE TIP
EL = 757.9

BORING LOG 2 HUNTINGTON BF 0211(32) GPJ VERMONT AOT.GDT 9/11/14

Notes:
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PROJECT NAME: HUNTINGTON
PROJECT NUMBER: BF 0211(32)

FILE NAME: z13J080borlogs.dgn
PROJECT LEADER: S.E. BURBANK
DESIGNED BY: VTRANS
BORING LOGS (1 OF 4)

PLOT DATE: 8/15/2016
DRAWN BY: J.D. KEENER
CHECKED BY: S.E. BURBANK
SHEET 23 OF 62

