

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-103			
		MORRISTOWN STP SGNL(47) VT-100 MAST ARMS		Page No.: 1 of 1		Pin No.: 15T047			
		Checked By: MJB		Groundwater Observations					
Boring Crew: <u>JUDKINS, GARROW, NIETO</u>		Casing	Sampler	Date	Depth (ft)	Notes			
Date Started: <u>9/03/15</u> Date Finished: <u>9/03/15</u>		Type: <u>WB</u>	<u>SS</u>	<u>09/03/15</u>	<u>8.5</u>	<u>After drilling.</u>			
VTSPG NAD83: <u>N 750066.88 ft E 1611575.33 ft</u>		I.D.: <u>4 in</u>	<u>1.5 in</u>						
Station: <u>7+485</u> Offset: <u>30.00</u>		Hammer Wt: <u>N.A.</u>	<u>140 lb.</u>						
Ground Elevation: <u>671.8 ft</u>		Hammer Fall: <u>N.A.</u>	<u>30 in.</u>						
		Hammer/Rod Type: <u>Auto/AWJ</u>							
		Rig: <u>CME 45C TRACK</u>	<u>C_e = 1.34</u>						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)			Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SaGr, gry, Moist, Rec. = 1.3 ft, Lab Note: Grass & Roots were within sample. Broken Rock was also within sample.			2-4-7-5 (11)	6.7	44.3	37.0	18.7
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.1 ft			3-6-8-12 (14)	10.9	21.7	44.9	33.4
5		A-1-b, GrSa, brn-white, Moist, Rec. = 1.8 ft, NXDC, Cleaned out casing.			14-14-28-24 (42)	7.4	36.6	44.5	18.9
		A-4, GrSaSi, brn, Moist, Rec. = 1.4 ft, NXDC, Cleaned out casing.			15-15-18-30 (33)	12.2	23.4	33.5	43.1
		A-2-4, SiSa, brn, Moist, Rec. = 0.6 ft			6-18-32-34 (50)	12.0	18.5	58.4	23.1
10		A-2-4, GrSiSa, brn-gry, Moist, Rec. = 1.5 ft			15-18-18-15 (36)	14.6	22.5	50.1	27.4
		Field Note: NXDC, Cleaned out casing							
15		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft			18-35-R@5.0" (R)	10.8	42.0	40.4	17.6
		Field Note: NXDC, Cleaned out casing							
20		A-4, GrSaSi, brn-Lt/brn, Moist, Rec. = 0.8 ft, NXDC. Lab Note: A trace of clay was noticeable. Sample tested (NP).			14-12-12-13 (24)	18.9	20.7	31.5	47.8
		A-2-4, Sa, Lt/brn, Moist, Rec. = 0.3 ft			6-8-11-13 (19)	16.1	5.5	76.8	17.7
		Hole stopped @ 27.0 ft							
30		Remarks: Hole collapsed at 10.5 ft.							
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 _e 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.									

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-104			
		MORRISTOWN STP SGNL(47) VT-100 MAST ARMS		Page No.: 1 of 1		Pin No.: 15T047			
		Checked By: MJB		Groundwater Observations					
Boring Crew: <u>JUDKINS, GARROW, NIETO</u>		Casing	Sampler	Date	Depth (ft)	Notes			
Date Started: <u>8/31/15</u> Date Finished: <u>9/01/15</u>		Type: <u>WB</u>	<u>SS</u>	<u>08/31/15</u>	<u>12.8</u>	<u>While drilling.</u>			
VTSPG NAD83: <u>N 750048.84 ft E 1611653.66 ft</u>		I.D.: <u>4 in</u>	<u>1.5 in</u>						
Station: <u>7+496</u> Offset: <u>45.00</u>		Hammer Wt: <u>N.A.</u>	<u>140 lb.</u>						
Ground Elevation: <u>667.0 ft</u>		Hammer Fall: <u>N.A.</u>	<u>30 in.</u>						
		Hammer/Rod Type: <u>Auto/AWJ</u>							
		Rig: <u>CME 45C TRACK</u>	<u>C_e = 1.34</u>						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)			Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft, Lab Note: Pieces of Wood were within sample.			2-2-3-3 (5)	26.2	33.4	43.6	23.0
		A-4, SaSi, Lt/brn, Moist, Rec. = 1.5 ft, Cleaned out casing.			4-4-5-6 (9)	18.5	10.3	26.0	63.7
5		A-4, SaSi, brn, Moist, Rec. = 1.4 ft			5-12-20-17 (32)	19.9	14.8	42.5	42.7
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft, Cleaned out casing.			12-13-11-14 (24)	15.8	19.5	46.7	33.8
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Cleaned out casing.			8-10-6-11 (16)	12.1	40.8	41.7	17.5
10		A-1-b, SaGr, gry, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.			18-40-R@3.5" (R)	10.5	43.7	38.0	18.3
		Field Note: Cleaned out casing							
15		A-1-b, SaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.			44-40-R@3.5" (R)	8.7	57.0	27.3	15.7
		Field Note: Cleaned out casing							
20		Field Note: No Recovery			5-6-5-4 (11)				
		A-4, SiSa, gry, MTW, Rec. = 1.0 ft			3-4-4-R@2.5" (8)	22.9	3.1	61.2	35.7
		Field Note: Went down with clean out barrel and broke through at 28.5 ft							
		Hole stopped @ 28.5 ft							
30		Remarks: Hole collapsed at 11.2 ft.							
Notes:									
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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.									

PROJECT NAME: MORRISTOWN
PROJECT NUMBER: STPG SGNL(47)

FILE NAME: z15+047esdl.dgn
PROJECT LEADER: J. SANTACRUCE
DESIGNED BY: M. HASKINS
BORING LOG SHEET 2

PLOT DATE: 5/13/2016
DRAWN BY: R. LUCHINI
CHECKED BY: B. COLBURN
SHEET 14 OF 58

