

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101				
		MORRISTOWN STP SGNL(47)		Page No.: 1 of 1		Pin No.: 15T047				
		VT-100 MAST ARMS		Checked By: MJB						
Boring Crew: <u>JUDKINS, GARROW, NIETO</u>		Casing		Sampler		Groundwater Observations				
Date Started: <u>9/02/15</u> Date Finished: <u>9/02/15</u>		Type: <u>WB</u> <u>SS</u>		I.D.: <u>4 in</u> <u>1.5 in</u>		Date				
VTSPG NAD83: <u>N 749947.54 ft E 1611582.47 ft</u>		Hammer WT: <u>N.A.</u> <u>140 lb.</u>		Hammer Fall: <u>N.A.</u> <u>30 in.</u>		Depth (ft)				
Station: <u>7+458</u> Offset: <u>58.00</u>		Hammer/Rod Type: <u>Auto/AWJ</u>		Rig: <u>CME 45C TRACK</u> <u>C_r = 1.34</u>		Notes				
Ground Elevation: <u>670.0 ft</u>						09/02/15 6.3 After drilling.				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Small pieces of Wood were within sample.		1-1-2-3 (3)	22.8	21.1	54.9	24.0		
		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Small pieces of Wood were within sample.		3-5-6-6 (11)	11.9	19.1	46.2	34.7		
5		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Small pieces of Wood were within sample.		6-6-10-19 (16)	9.6	36.6	44.8	18.6		
		A-2-4, SiGrSa, brn-gry, Moist, Rec. = 1.6 ft, NXDC. Lab Note: A very thin layer of clay was noticeable. Sample tested (NP).		15-13-10-11 (23)	11.7	24.6	52.6	22.8		
		A-1-b, GrSa, L/brn-gry, Moist, Rec. = 0.7 ft		32-16-15-36 (31)	14.6	39.0	42.0	19.0		
10		A-1-b, SaGr, brn-gry, Moist, Rec. = 1.2 ft		33-35-R@2.5" (R)	13.6	40.8	40.7	18.5		
		Field Note., NXDC, Cleaned out casing.								
15		A-4, Si, brn, Moist, Rec. = 0.9 ft		11-10-10-11 (20)	24.8	5.5	19.1	75.4		
		Field Note., No Recovery		4-5-6-5 (11)						
25		A-4, Si, brn, Moist, Rec. = 1.1 ft, NXDC. Lab Note: A trace of clay was noticeable. Sample tested (NP).		3-2-3-3 (5)	30.8	14.8	8.5	76.7		
		Hole stopped @ 27.0 ft								
30		Remarks: Hole collapsed at 13.6 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 _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.										

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-102				
		MORRISTOWN STP SGNL(47)		Page No.: 1 of 1		Pin No.: 15T047				
		VT-100 MAST ARMS		Checked By: MJB						
Boring Crew: <u>JUDKINS, GARROW, NIETO</u>		Casing		Sampler		Groundwater Observations				
Date Started: <u>9/01/15</u> Date Finished: <u>9/01/15</u>		Type: <u>WB</u> <u>SS</u>		I.D.: <u>4 in</u> <u>1.5 in</u>		Date				
VTSPG NAD83: <u>N 749989.72 ft E 1611510.79 ft</u>		Hammer WT: <u>N.A.</u> <u>140 lb.</u>		Hammer Fall: <u>N.A.</u> <u>30 in.</u>		Depth (ft)				
Station: <u>7+454</u> Offset: <u>-25.00</u>		Hammer/Rod Type: <u>Auto/AWJ</u>		Rig: <u>CME 45C SKID</u> <u>C_r = 1.33</u>		Notes				
Ground Elevation: <u>675.5 ft</u>						09/01/15 8.2 While drilling.				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Lots of Broken Rock was within sample.		5-7-10-10 (17)	4.7	63.1	23.3	13.6		
		A-1-b, GrSa, gry, Moist, Rec. = 1.5 ft, Lab Note: Asphalt Pavement and Broken Rock were within sample.		10-9-13-10 (22)	5.9	40.6	43.1	16.3		
5		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Lots of Broken Rock was within sample.		7-11-25-18 (36)	3.0	66.3	20.4	13.3		
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.7 ft, Cleaned out casing.		15-14-12-14 (26)	10.0	33.0	35.8	31.2		
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: A large chunk of Wood was within sample and was removed before gradation.		9-9-6-12 (15)	24.2	46.6	36.8	16.6		
10		A-1-b, SiGrSa, brn, Moist, Rec. = 0.7 ft		12-11-14-20 (25)	12.4	30.0	49.7	20.3		
		Field Note., Cleaned out casing.								
15		A-2-4, SaSiGr, brn, Moist, Rec. = 1.2 ft		15-13-12-24 (25)	11.2	44.0	25.2	30.8		
		Field Note., Cleaned out casing.								
20		A-4, SaSi, brn, Moist, Rec. = 1.1 ft		5-4-5-8 (9)	20.1	0.3	49.1	50.6		
25		A-2-4, Sa, brn, Moist, Rec. = 1.0 ft		3-4-5-4 (9)	20.3	10.0	72.2	17.8		
		A-4, Si, gry-brn, Moist, Rec. = 0.7 ft			37.4	1.8	98.2	32	6	
		Hole stopped @ 27.0 ft								
30		Remarks: Hole collapsed at 15.5 ft.								
Notes:										
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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.										

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

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

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

