

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101					
RUTLAND TOWN NHG 019-3(60) US-7, TH-36 MAST ARMS		Page No.: 1 of 1		Pin No.: 14T190					
Checked By: END		Casing		Sampler					
Boring Crew: DAIGNEAULT, JUDKINS, NIETO		Type: H.S.A. & WB SS		Groundwater Observations					
Date Started: 1/14/15 Date Finished: 1/21/15		I.D.: 4 in 1.5 in		Date	Depth (ft)				
VTSPG NAD83: N 395992.24 ft E 1516329.15 ft		Hammer Wt: N.A. 140 lb.		01/21/15	3.5				
Station: _____ Offset: _____		Hammer Fall: N.A. 30 in.		Notes					
Ground Elevation: 575.21 ft		Hammer/Rod Type: Auto/AWJ		After drilling.					
		Rig: CME 45C TRACK C _e = 1.34							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5		A-4, SiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Grass & roots were within sample. Drilling was performed with Hollow Stem augers.		10-4-4-6 (8)	23.9	16.4	47.8	35.8	
		Field Note: No Recovery. Appears to be silty sand		7-3-5-6 (8)					
		Field Note: No Recovery. Appears to be silty sand		3-2-3-3 (5)					
10		A-4, SiSa, Lt/brn, Moist, Rec. = 0.1 ft		2-3-2-5 (5)	15.1	17.2			
		A-1-b, GrSa, Lt/brn-gry, Moist, Rec. = 0.5 ft		4-6-5-6 (11)	12.7	33.8	48.8	17.4	
		A-2-4, SiSa, Lt/brn-gry, Moist, Rec. = 0.7 ft		5-6-6-7 (12)	19.8	4.6	63.3	32.1	
15		A-1-b, GrSa, brn, Wet, Rec. = 1.6 ft, Could not penetrate further with Hollow Stem Auger.		5-15-7-7 (22)	17.5	33.8	56.5	9.7	
		Field Note: Switched over to Wash Bore drilling. NXDC							
		Field Note: No Recovery. Appears to be sand		5-3-1-2 (4)					
20		Field Note: NXDC							
		Field Note: No Recovery. Appears to be sand							
		Field Note: NXDC							
25		A-4, Si, gry, Moist, Rec. = 0.5 ft, Lab Note: A very tiny amount of clay was noticeable.		3-2-1-2 (3)					
		Hole stopped @ 27.0 ft							
Remarks: Hole collapsed at 13.3 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 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.							

BORING LOG 2 RUTLAND TOWN NHG 019-3(60).GPJ VERMONT AOT.GDT 2/11/15

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-102					
RUTLAND TOWN NHG 019-3(60) US-7, TH-36 MAST ARMS		Page No.: 1 of 1		Pin No.: 14T190					
Checked By: END		Casing		Sampler					
Boring Crew: DAIGNEAULT, GARROW, HOOK		Type: H.S.A. SS		Groundwater Observations					
Date Started: 1/07/15 Date Finished: 1/07/15		I.D.: 4 in 1.5 in		Date	Depth (ft)				
VTSPG NAD83: N 396001.52 ft E 1516438.71 ft		Hammer Wt: N.A. 140 lb.							
Station: _____ Offset: _____		Hammer Fall: N.A. 30 in.		No water to depth.					
Ground Elevation: 574.84 ft		Hammer/Rod Type: Auto/AWJ							
		Rig: CME 45C TRACK C _e = 1.34							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft, Lab Note: Grass & small roots were within sample.		6-3-4-4 (7)	42.7	2.4	63.5	34.1	
		A-2-4, SiSa, brn, Moist, Rec. = 0.1 ft		4-4-3-4 (7)	13.6	8.2	65.4	26.4	
		A-2-4, SiSa, brn, Moist, Rec. = 0.3 ft		3-2-2-4 (4)	10.9	16.0	60.1	23.9	
10		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft		2-2-3-4 (5)	16.3	3.6	64.1	32.3	
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft, Lab Note: Broken Rock was within sample.		6-8-7-7 (15)	12.6	8.4	65.9	25.7	
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft		3-5-6-7 (11)	14.4	7.6	69.0	23.4	
15		A-2-4, Sa, brn, MTW, Rec. = 1.1 ft		1-4-4-4 (8)	24.1	0.7	84.8	14.5	
		A-4, SiSa, brn, Wet, Rec. = 0.9 ft		3-2-2-1 (4)	30.0		54.8	45.2	
		A-4, Si, brn, Wet, Rec. = 1.1 ft, Lab Note: Small layers of clay were noticeable. Sample tested: (NP)		WH-2-2-1 (4)	35.7		5.5	94.5	
20		A-4, GrSaSi, brn, Wet, Rec. = 0.7 ft		3-5-2-2 (7)	17.0	23.1	23.7	53.2	
		A-4, SaGrSi, brn, MTW, Rec. = 0.7 ft		2-4-8-10 (12)	11.6	32.9	29.1	38.0	
		A-4, SaSi, brn, Moist, Rec. = 1.4 ft		4-8-10-14 (18)	15.4	9.4	42.6	48.0	
25		A-4, SaSi, brn, Moist, Rec. = 1.5 ft		WH-4-18-26 (22)	14.3	8.6	37.0	54.4	
		Hole stopped @ 26.0 ft							
Remarks: Hole collapsed at 7.5 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 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.							

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PROJECT NAME:	RUTLAND TOWN
PROJECT NUMBER:	NHG 019-3(60)
FILE NAME: t14t190frm.dgn	PLOT DATE: 2/7/2017
PROJECT LEADER: P. COBURN	DRAWN BY: M. BOGACZYK
DESIGNED BY: M. BOGACZYK	CHECKED BY: P. COBURN
BORING LOG SHEET 1	SHEET 6 OF 17