

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101					
		BRADFORD-RYEGATE STP 2929(1) US-5		Page No.: 1 of 1					
				Pin No.: 10c264					
				Checked By: MLM					
Boring Crew: NIETO, GARROW		Casing	Sampler	Groundwater Observations					
Date Started: 11/06/15	Date Finished: 11/06/15	Type: WB	SS	Date	Depth (ft)				
VTSPG NAD83: N 604394.50 ft E 1759567.67 ft		I.D.: 4 in	1.5 in	11/06/15	8.3				
Station: 515+27.6	Offset: 10.80	Hammer Wt: N.A.	140 lb.	Notes					
Ground Elevation: 457.0 ft		Hammer Fall: N.A.	30 in.	W.T. during drilling					
		Hammer/Rod Type: Auto/AWJ							
		Rig: CME 45C SKID	C _c = Unknown						
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
	Asphalt Pavement, 0.0 ft - 1.0 ft								
	A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft				3-4-3-3 (7)	13.5	39.0	41.5	19.5
	A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft				2-3-3-4 (6)	15.9	23.2	45.2	31.6
5	A-2-4, SiSaGr, brn, Moist, Rec. = 0.4 ft				2-1-1-1 (2)	19.9	40.8	31.2	28.0
	A-4, SaSi, gry, Moist, Rec. = 0.4 ft				1-1-1-5 (2)	21.1	19.5	28.3	52.2
10	A-2-4, SiSa, gry, Moist, Rec. = 1.2 ft, Lab Note: Pieces of wood were within sample				5-2-1-1 (3)	34.5	11.5	53.8	34.7
	A-1-b, GrSa, gry, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample				6-2-3-3 (5)	14.4	41.0	50.3	8.7
	A-3, Sa, gry, Moist, Rec. = 0.9 ft				2-1-1-1 (2)	26.3	2.0	89.9	8.1
15	A-3, Sa, gry, Moist, Rec. = 1.2 ft				1-1-3-4 (4)	23.2	2.4	91.7	5.9
20	A-2-4, Sa, brn, Moist, Rec. = 1.1 ft				5-8-9-8 (17)	22.9	0.1	85.0	14.9
	Field Note: Cleaned out with NXDC								
25	24.0 ft - 29.0 ft, Light gray to light green, SCHIST, with few quartz veins. Orange and brown staining on joints. Moderately hard, Slightly weathered, Fair rock, NX, RMR=44	1 (80)	100 (24)	6	Top of Bedrock @ 24.0 ft				
				5					
				3					
				7					
				6					
30	Hole stopped @ 29.0 ft								
	Remarks: Hole Collapsed at 11.9 feet.								
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.									

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-102					
		BRADFORD-RYEGATE STP 2929(1) US-5		Page No.: 1 of 1					
				Pin No.: 10c264					
				Checked By: MLM					
Boring Crew: GARROW, NIETO		Casing	Sampler	Groundwater Observations					
Date Started: 11/09/15	Date Finished: 11/09/15	Type: WB	SS	Date	Depth (ft)				
VTSPG NAD83: N 604380.63 ft E 1759573.39 ft		I.D.: 4 in	1.5 in	11/09/15	12.2				
Station: 515+12.6	Offset: 10.30	Hammer Wt: N.A.	140 lb.	Notes					
Ground Elevation: 456.0 ft		Hammer Fall: N.A.	30 in.	W.T. after drilling					
		Hammer/Rod Type: Auto/AWJ							
		Rig: CME 45C SKID	C _c = Unknown						
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
	Field Note: No Recovery				R@5" (R)				
	Field Note: Cleaned out with NXDC								
	A-2-4, SiGrSa, brn-blk, Moist, Rec. = 1.0 ft				1-3-5-7 (8)	17.3	28.3	43.7	28.0
5	A-4, SiSa, brn, Moist, Rec. = 1.1 ft				5-7-5-3 (12)	16.7	11.7	49.4	38.9
	A-4, SiSa, brn, Moist, Rec. = 0.8 ft				5-8-7-5 (15)	20.0	14.9	43.2	41.9
10	A-2-4, SiGrSa, gry-orange, Moist, Rec. = 1.1 ft, Lab Note: Sample was brown and gray in mixed layers.				2-4-6-5 (10)	16.4	28.6	49.4	22.0
	A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken rock and pieces of wood were within sample.				3-4-8-4 (12)	16.5	41.8	47.1	11.1
	A-2-4, Sa, gry, Moist, Rec. = 0.9 ft				5-3-2-2 (5)	22.8	1.0	83.5	15.5
15	Field Note: No Recovery				4-8-12-12 (20)				
20	A-2-4, Sa, Lt/brn, Moist, Rec. = 1.1 ft				6-5-6-6 (11)	24.0	1.5	84.9	13.6
25	A-2-4, SiSa, Lt/brn, Moist, Rec. = 1.1 ft				2-3-4-5 (7)	24.8	0.9	68.3	30.8
30	Field Note: No Recovery, Cleaned out with NXDC				R@1"				
	30.6 ft - 35.6 ft, Light gray to light green, SCHIST, with few quartz veins and rare pyrite. Faint brown staining on joints. Hard, Very slightly weathered, Good rock, NX, RMR=68	1 (70-75)	90 (78)	5	Top of Bedrock @ 30.6 ft				
				5					
				5					
				4					
				5					
35	Hole stopped @ 35.6 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 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.									

NOTE

SEE US 5 PLAN SHEET I27 FOR BORE HOLE LOCATIONS.

PROJECT NAME: BRADFORD-RYEGATE
PROJECT NUMBER: STP 2929(I)

FILE NAME: z10c264frm.dgn PLOT DATE: 2/4/2016
PROJECT LEADER: P. SHEDD DRAWN BY: W. GORDON
DESIGNED BY: N. LEMAY CHECKED BY: P. SHEDD
BORING SHEET SHEET 47 OF 239