

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-103			
DUXBURY BF 013-4(47) VT 100 Br. #193		Page No.: 1 of 1		Pin No.: 16b001			
Checked By: MLM		Boring Crew: WHITLOCK, JUDKINS, NIETO		Casing Sampler			
Date Started: 4/19/16 Date Finished: 4/19/16		Type: WB SS		Date Depth Notes			
VTSPG NAD83: N 664065.06 ft E 1572963.93 ft		I.D.: 4 in 1.5 in		Date Depth Notes			
Station: 20+95.4 Offset: -11.50		Hammer Wt: N.A. 140 lb.		Date Depth Notes			
Ground Elevation: 509.9 ft		Hammer Fall: N.A. 30 in.		Date Depth Notes			
		Hammer/Rod Type: Auto/AWJ		Date Depth Notes			
		Rig: CME 55 TRACK C = 1.41		Date Depth Notes			
Depth (ft)	Strata (1)	Classification of Materials (Description)	Blow/ft (N Value)	Moisture Content (%)	Gravel (%)	Sand (%)	Fines (%)
0.0		Asphalt Pavement, 0.0 ft - 0.63 ft					
0.63		A-1-b, GrSa, Lt/bm, Moist, Rec. = 1.1 ft	10-11-11-10 (22)	5.2	36.0	53.1	10.9
5.0		Field Note: Cleaned out casing					
5.0		A-2-4, GrSiSa, Lt/bm, Moist, Rec. = 1.2 ft	4-4-6-6 (10)	14.1	20.0	53.5	26.5
10.0		Field Note: Cleaned out casing					
10.0		A-2-4, Sa, Lt/bm, Moist, Rec. = 1.1 ft	7-6-6-7 (12)	9.8	15.7	70.2	14.1
15.0		Field Note: Cleaned out casing					
15.0		A-3, Sa, Lt/bm, Moist, Rec. = 0.9 ft	2-2-3-5 (5)	12.4	18.6	71.8	9.6
20.0		Field Note: Cleaned out casing					
20.0		A-1-a, SaGr, Lt/bm, Moist, Rec. = 2.0 ft, Lab Note: Broken rock was within sample.	15-16-16-14 (34)	8.8	67.6	27.1	5.3
20.0		Field Note: Cleaned out casing					
20.0		A-1-b, SaGr, gry, Moist, Rec. = 0.7 ft, Lab Note: Broken and weathered rock was within sample.	16-49-R@5.0' (R)	12.3	50.0	30.8	19.2
25.0		Field Note: NXDC, Cleaned out casing					
25.0		A-1-b, SiGrSa, gry, Moist, Rec. = 0.4 ft, Lab Note: A lot of broken and weathered rock was within sample.	R@2.5' (R)	10.4	32.8	46.0	21.2
25.0		A-1-a, SaGr, gry, Moist, Rec. = 0.2 ft, Lab Note: Sample consisted entirely of broken and weathered rock.					
25.0		28.5 ft - 31.5 ft, Dark gray to black, Graphitic PHYLLITE, with siliceous laminae. Rust staining along joints. Medium hard, Slightly weathered, Poor rock, NX, RMR=27					
31.5		31.5 ft - 36.5 ft, Dark gray to black, Slightly vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Vertical rust stained joint at 31.5 feet to 32.15 feet. Remaining joints are fresh. Hard, Unweathered, Fair rock, NX, RMR=53					
36.5		Hole stopped @ 36.5 ft					
40.0		Remarks: Top of Bedrock at 26.5 feet. Hole Collapsed at 18.6 feet. 1.) All water return stopped from 8.0-19.0 feet.					

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Checked By: MLM		Boring Crew: JUDKINS, NIETO		Casing Sampler			
Date Started: 4/22/16 Date Finished: 4/22/16		Type: WB SS		Date Depth Notes			
VTSPG NAD83: N 664062.47 ft E 1572966.24 ft		I.D.: 4 in 1.5 in		Date Depth Notes			
Station: 20+96.9 Offset: -8.40		Hammer Wt: N.A. 140 lb.		Date Depth Notes			
Ground Elevation: 509.9 ft		Hammer Fall: N.A. 30 in.		Date Depth Notes			
		Hammer/Rod Type: Auto/AWJ		Date Depth Notes			
		Rig: CME 55 TRACK C = 1.41		Date Depth Notes			
Depth (ft)	Strata (1)	Classification of Materials (Description)	Blow/ft (N Value)	Moisture Content (%)	Gravel (%)	Sand (%)	Fines (%)
0.0		Asphalt Pavement, 0.0 ft - 0.62 ft					
2.5							
5.0							
7.5							
10.0							
12.5		Field Note: NXDC					
13.5		Hole stopped @ 13.5 ft					
15.0		Remarks: Hole collapsed at 10.5 feet 1.) Advanced casing to 12.5 feet. 2.) Soil and rock fragments found in cuttings. Concrete was not encountered. 3.) Hit culvert at 13.5 feet and aborted drilling operations.					
17.5							

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-103B			
DUXBURY BF 013-4(47) VT 100 Br. #193		Page No.: 1 of 1		Pin No.: 16b001			
Checked By: MLM		Boring Crew: JUDKINS, NIETO		Casing Sampler			
Date Started: 4/22/16 Date Finished: 4/22/16		Type: WB SS		Date Depth Notes			
VTSPG NAD83: N 664065.15 ft E 1572967.55 ft		I.D.: 4 in 1.5 in		Date Depth Notes			
Station: 20+98.9 Offset: -10.60		Hammer Wt: N.A. 140 lb.		Date Depth Notes			
Ground Elevation: 509.9 ft		Hammer Fall: N.A. 30 in.		Date Depth Notes			
		Hammer/Rod Type: Auto/AWJ		Date Depth Notes			
		Rig: CME 55 TRACK C = 1.41		Date Depth Notes			
Depth (ft)	Strata (1)	Classification of Materials (Description)	Blow/ft (N Value)	Moisture Content (%)	Gravel (%)	Sand (%)	Fines (%)
0.0		Asphalt Pavement, 0.0 ft - 0.63 ft					
5.0							
10.0							
15.0							
20.0		Field Note: NXDC, Weathered rock					
22.0		Hole stopped @ 22.0 ft					
25.0		Remarks: Hole Collapsed at 10.5 feet. 1.) Advanced boulder breaker to 15.0 feet. 2.) Advanced casing to 20.0 feet. 3.) Concrete was not encountered.					

BOTTOM OF ABUT NO 2
FOOTING EL 486.00

BORING LOG 2 DUXBURY BF 013-4(47) GPJ VERMONT AOT.GDT 4/28/16

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PROJECT NAME:	DUXBURY
PROJECT NUMBER:	BF 013-4(47)
FILE NAME:	z16b00blog2.dgn
PROJECT LEADER:	J. OLUND
DESIGNED BY:	VTRANS
BORING LOGS 2	
PLOT DATE:	5/23/2016
DRAWN BY:	S. MORGAN
CHECKED BY:	J. OLUND
SHEET	38 OF 69

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