

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101				
				ROCHESTER BHF 0162 (17) VT-73 BR-16		Page No.: 1 of 1 Pin No.: 85E035 Checked By: NSM				
Boring Crew: SALISBURY, GARROW		Casing Type: WB		Sampler: SS		Groundwater Observations				
Date Started: 4/06/12 Date Finished: 4/06/12		I.D.: 4 in		Date		Depth (ft)				
VTSPG NAD83: N 491676.92 ft E 1548162.92 ft		Hammer Wt: N.A.		140 lb.		Notes				
Station: 333+73.93 Offset: -6.40		Hammer Fall: N.A.		30 in.		Same day drilling.				
Ground Elevation: 952.7 ft		Hammer/Rod Type: Auto/AWJ		None Taken.						
		Rig: CME 45C TRACK		CE = 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (tip dep.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.0		Asphalt Pavement, 0.0 ft - 1.0 ft								
5		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, Broken Rock was within sample. NXDC				8-17-22-14 (39)	10.7	60.6	26.9	12.5
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft, Broken Rock was within sample.				6-3-20-10 (25)	14.1	36.0	45.9	18.1
		Field Note: NXDC, Cobbles								
10		A-1-a, SaGr, brn, Wet, Rec. = 0.4 ft, Broken Rock was within sample. Last water at 10.0 ft.				4-7-7-8 (14)	14.4	57.2	29.2	13.6
		Field Note: NXDC, Cobbles								
15		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Broken Rock (Cobbles) were within sample.				26-36-20-14 (56)	11.2	50.0	35.5	14.5
		Field Note: NXDC, Cobbles								
20		16.5 ft - 21.5 ft, Light-greenish-gray to pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds and pyrite. Moderately soft, Fair rock, NXMDC, Moderately weathered from 18.2' to 20.1'. Remainder of core run unweathered. RMR = 44	1 (65)	92 (32)	4	Top of Bedrock				16.5 ft
		Hole stopped @ 21.5 ft								
25										
30										

ABUTMENT NO 1  
BOTTOM PILE CAP  
EL 944.0

936

BORING LOG 2 ROCHESTER BHF 0162(17) VERMONT AOT/EST. 4/30/12

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

EST. PILE PENETRATION

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102				
				ROCHESTER BHF 0162 (17) VT-73 BR-16		Page No.: 1 of 1 Pin No.: 85E035 Checked By: NSM				
Boring Crew: SALISBURY, GARROW		Casing Type: WB		Sampler: SS		Groundwater Observations				
Date Started: 4/10/12 Date Finished: 4/10/12		I.D.: 4 in		Date		Depth (ft)				
VTSPG NAD83: N 491666.19 ft E 1548173.68 ft		Hammer Wt: N.A.		140 lb.		Notes				
Station: 333+82.54 Offset: 6.12		Hammer Fall: N.A.		30 in.		Same day drilling.				
Ground Elevation: 952.7 ft		Hammer/Rod Type: Auto/AWJ		None Taken.						
		Rig: CME 45C TRACK		CE = 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (tip dep.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.0		Asphalt Pavement, 0.0 ft - 1.0 ft								
5		A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft, NXDC				9-12-6-4 (18)	7.5	47.6	40.2	12.2
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, NXDC				4-3-2-4 (5)	12.9	48.5	42.3	9.2
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, NXDC				3-2-1-1 (3)	15.8	43.3	48.7	8.0
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft				9-5-6-15 (11)	14.0	40.1	51.8	8.1
		Field Note: NXDC, Cobbles								
15		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lots of Broken Rock was within sample.				5-7-18-22 (25)	12.8	58.3	22.0	19.7
		A-2-4, SaSiGr, brn, Moist, Rec. = 1.4 ft, Lots of Broken Weathered Rock.				19-16-35-RO3.5" (51)	13.8	48.9	22.6	28.5
20		18.0 ft - 19.0 ft, White, Quartzite, Very hard, Slightly weathered, Poor rock, NXMDC, RMR = 39	1 (50)	50 (0)	3	Top of Bedrock				18.0 ft
		19.0 ft - 23.0 ft, Light-greenish-gray to pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Slightly to moderately weathered, Poor rock, NXMDC, RMR = 39	2 (50)	100 (0)	3					
		23.0 ft - 28.0 ft, Light-greenish-gray to pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 44	3 (50)	84 (46)	3					
		Hole stopped @ 28.0 ft								
25										
30										

ABUTMENT NO 1  
BOTTOM PILE CAP  
EL 944.0

934

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VHB Vanasse Hangen Brustlin, Inc.

PROJECT NAME: ROCHESTER  
PROJECT NUMBER: BRF 0162(17)

FILE NAME: z85e035borlogs.dgn PLOT DATE: 8/19/2013  
PROJECT LEADER: G.S. GOODRICH DRAWN BY: E.A. FIALA  
DESIGNED BY: VTRANS CHECKED BY: S.E. BURBANK  
BR 16 BORING LOGS (1 OF 2) SHEET 144 OF 238