

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
		ROCHESTER ER-BRF 0162(18) VT-73 BR-19		Page No.: 1 of 1		Pin No.: 11C332				
		Checked By: CEE		Groundwater Observations						
Boring Crew: SALISBURY, GARROW		Type: WB	SS	Date	Depth (ft)	Notes				
Date Started: 3/27/12 Date Finished: 3/28/12		I.D.: 4 in	1.5 in	03/27/12	7.4	AM				
VTSPG NAD83: N 497057.50 ft E 1558593.00 ft		Hammer Wt: N.A.	140 lb.							
Station: 463+45.3 Offset: -5.86		Hammer Fall: N.A.	30 in.							
Ground Elevation: 826.6 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 45C TRACK	C = 1.34							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.3 ft								
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft				5-5-6-10 (11)	10.7	44.3	41.3	14.4
5		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft				2-4-4-3 (8)	15.7	54.7	27.0	18.3
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft				6-3-2-3 (5)	17.3	29.0	49.8	21.2
10		A-2-4, GrSa, brn, Moist, Rec. = 0.7 ft				3-3-3-3 (6)	12.4	31.8	50.7	17.5
		A-2-4, GrSa, brn, Moist, Rec. = 0.7 ft				3-2-3-2 (5)	12.6	29.2	56.9	13.9
15		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft, Broken Rock was within sample. Advanced casing. Field Note: NXMDC, Boulders				R@3.5"	14.1	29.3	56.4	14.3
		Field Note: Possible Void								
20		Field Note: NXMDC, Boulders								
		Field Note: Possible Void								
		A-1-b, Weathered Rock with Sandy Gravel, brn, Moist, Rec. = 0.8 ft				4-5-R@6.0"	11.4	49.0	34.4	16.6
25		24.0 ft - 29.0 ft, Gray, Grading to pale green quartz-sericite Schist, with quartzite. Medium hard, Unweathered, Fair rock, NXMDC, RMR = 59	1 (55)	86 (54)	8	Top of Bedrock @ 24.0 ft				
30		29.0 ft - 34.0 ft, Pale green, Quartz-sericite Schist, with quartzite. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 63	2 (55)	94 (86)	5					
35		Hole stopped @ 34.0 ft								
40										
45										
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.										

APPROXIMATE
ABUTMENT NO 2
TOP OF FOOTING
EL 806.0

BORING LOG 2 ROCHESTER ER-BRF 0162(18) GP1 VERMONT AOT.GDT 4/24/13

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-104				
		ROCHESTER ER-BRF 0162(18) VT-73 BR-19		Page No.: 1 of 1		Pin No.: 11C332				
		Checked By: CEE		Groundwater Observations						
Boring Crew: SALISBURY, GARROW		Type: WB	SS	Date	Depth (ft)	Notes				
Date Started: 3/27/12 Date Finished: 3/27/12		I.D.: 4 in	1.5 in			None Taken.				
VTSPG NAD83: N 497038.70 ft E 1558581.80 ft		Hammer Wt: N.A.	140 lb.							
Station: 463+44.4 Offset: 16.00		Hammer Fall: N.A.	30 in.							
Ground Elevation: 826.7 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 45C TRACK	C = 1.34							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.1 ft								
		Field Note: NXDC, Gravel								
5		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft				5-5-4-4 (9)	10.3	34.7	50.9	14.4
		Field Note: NXDC, Gr Sa Si								
10		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft				3-2-3-3 (5)	12.9	20.3	61.2	18.5
		Field Note: NXDC, Gravel								
15		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Broken Rock was within sample.				3-4-14-12 (18)	9.1	57.7	31.8	10.5
		Field Note: Possible Void								
		Field Note: NXDC, Possible Silt								
20		Visual Description, Large chunks of Wood with sand & gravel, brn, Moist, Rec. = 0.5 ft				8-3-5-8 (8)				
		Field Note: NXDC								
		A-1-a, Weathered Rock with Sand & Gravel, brn, Moist, Rec. = 1.1 ft				10-8-7-11 (15)	8.8	58.5	28.2	13.3
25		25.5 ft - 30.5 ft, Pale green, Quartz-sericite Schist, and chloritoid phyllite with quartzite. Moderately soft to moderately hard, Unweathered, Fair rock, NXMDC, RMR = 54	1 (55)	100 (40)	5	Top of Bedrock @ 25.5 ft				
30		30.5 ft - 35.5 ft, Pale green, Quartz-sericite Schist, with quartzite. Moderately hard, Unweathered, Fair rock, NXMDC, Severely weathered vug at 32.7 feet. RMR = 59	2 (55)	100 (64)	5					
35		Hole stopped @ 35.5 ft								
40										
45										
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:	ROCHESTER
PROJECT NUMBER:	ER BRF 0162(18)
FILE NAME:	zllc332borlogs.dgn
PROJECT LEADER:	S.E. BURBANK
DESIGNED BY:	VTRANS
BR 19 BORING LOGS (2 OF 4)	
PLOT DATE:	8/19/2013
DRAWN BY:	E.A. FIALA
CHECKED BY:	S.E. BURBANK
SHEET	200 OF 238

