

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
				ROCHESTER ER-STP 0162(19) VT-73 BR-13		Page No.: 1 of 1				
						Pin No.: 11C334				
						Checked By: CEE				
Boring Crew: SALISBURY, GARROW		Casing: WB		Sampler: SS		Groundwater Observations				
Date Started: 4/02/12 Date Finished: 4/02/12		Type: I.D.: 4 in		Date		Depth (ft)				
VTSPG NAD83: N 492781.20 ft E 1528681.80 ft		Hammer Wt: N.A.		140 lb.		Notes				
Station: 104+49.5 Offset: 17.50		Hammer Fall: N.A.		30 in.		None Taken.				
Ground Elevation: 1497.3 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 45C TRACK		CE = 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip dep.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-3	XXX	Field Notes: 3" minus Fill								
3-5	XXX	Field Notes: No Recovery				9-14-9-15 (23)				
5-6	XXX	Field Notes: NXDC, Cobbles, Water return at 6 feet.								
6-10	XXX	A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lost water at 10.0 ft.				7-11-10-23 (21)	12.2	45.4	35.2	19.4
10-15	XXX	Field Notes: NXDC, Cobbles								
17.0-22.0	XXX	17.0 ft - 22.0 ft, Light gray, Quartz-muscovite Schist, with quartzite. Hard, Good rock, NXDC, Slightly weathered along joint surface at 19.0 feet. Remainder of run is unweathered. RMR = 73	1 (30)	96 (76)	3					
22.0-27.0	XXX	22.0 ft - 27.0 ft, Light gray, Quartz-muscovite Schist, with quartzite. Hard, Unweathered, Good rock, NXDC, RMR = 76	2 (50)	100 (100)	3					
27.0		Hole stopped @ 27.0 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. 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.

APPROXIMATE TOP OF SUBFOOTING
EL 1484.0

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-104				
				ROCHESTER ER-STP 0162(19) VT-73 BR-13		Page No.: 1 of 1				
						Pin No.: 11C334				
						Checked By: CEE				
Boring Crew: SALISBURY, GARROW		Casing: WB		Sampler: SS		Groundwater Observations				
Date Started: 4/03/12 Date Finished: 4/03/12		Type: I.D.: 4 in		Date		Depth (ft)				
VTSPG NAD83: N 492821.50 ft E 1528694.00 ft		Hammer Wt: N.A.		140 lb.		Notes				
Station: 104+82 Offset: -8.50		Hammer Fall: N.A.		30 in.		None Taken.				
Ground Elevation: 1495.2 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 45C TRACK		CE = 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip dep.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-0.5		Asphalt Pavement, 0.0 ft - 0.5 ft								
0.5-1.0		A-1-a, Gr, white, Moist, Rec. = 1.0 ft				5-11-12-22 (23)	6.2	72.9	19.8	7.3
1.0-1.5		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, NXDC					7.0	47.5	35.7	16.8
1.5-1.8		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft, NXDC. Broken Rock was within sample.				10-19-11-7 (50)	8.5	61.0	27.6	11.4
1.8-2.0		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, NXDC				10-18-R06.0	8.7	47.3	36.3	16.4
2.0-2.5		A-1-b, SaGr, brn, Moist, Rec. = 1.4 ft, NXDC				18-15-15-15 (50)	8.1	47.6	36.9	15.5
2.5-3.0		A-1-a, SaGr, brn, Moist, Rec. = 1.2 ft, NXDC. Broken Rock (Cobbles) was within sample.				10-12-8-8 (20)	8.8	53.6	31.9	14.5
3.0-3.8		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, NXDC. Lots of Broken Rock pieces (Cobbles) were within sample.				38-16-26-19 (42)	9.1	61.0	29.6	9.4
3.8-4.5		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lots of Broken Rock pieces (Cobbles) were within sample.				10-R03.5	11.7	47.1	39.2	13.7
4.5-15.0		Field Notes: NXDC, Cobbles								
15.0-20.0		15.0 ft - 20.0 ft, Light gray, Quartz-muscovite Schist, with quartzite. Hard, Unweathered, Good rock, NXDC, Evenly scattered small magnetite throughout run. RMR = 68	1 (50)	100 (88)	3					
20.0-25.0		20.0 ft - 25.0 ft, Light gray, Quartz-muscovite Schist, with quartzite. Hard, Unweathered, Good rock, NXDC, Evenly scattered small magnetite throughout run. RMR = 64	2 (50)	96 (62)	5					
25.0		Hole stopped @ 25.0 ft								

Notes:
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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.

APPROXIMATE TOP OF SUBFOOTING
EL 1481.9

PROJECT NAME: ROCHESTER
PROJECT NUMBER: ER STP 0162(19)
FILE NAME: zlic334borlogs.dgn PLOT DATE: 8/19/2013
PROJECT LEADER: S.E. BURBANK DRAWN BY: E.A. FIALA
DESIGNED BY: VTRANS CHECKED BY: S.E. BURBANK
BR 13 BORING LOGS (2 OF 4) SHEET 35 OF 238

