ABUTMENT NO 2
BOTTOM PILE CAP
EL 945.0

935

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

ROCHESTER
BHF 0162 (17)
VT-73 BR-16

Boring No.: B-103
Page No.: 1 of 1
Pin No.: 85E035
Checked By: NSM

Boring Crew: SALISBURY, GARROW
Date Started: 4/04/12 Date Finished: 4/06/12
VTSPG NAD83: N 491686.40 ft E 1548209.96 ft
Station: 334+21.97 Offset: -6.91
Ground Elevation: 952.9 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	4 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:	Auto/AWJ	
Rig:	CME 45C TRACK	CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		Same day drilling.
		None Taken

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft – 1.0 ft								
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft				11-40-R@3.5"	9.0	58.3	32.6	9.1
		Field Note:, NXDC, Cobbles								
		Lab Note, Broken Rock (Cobbles) were within sample. NXDC., brn, Moist, Rec. = 0.7 ft				7-4-3-2 (7)	12.4	60.0	33.2	6.8
5		A-1-a, SaGr, brn, Wet, Rec. = 0.4 ft				3-14-2-1 (16)	19.9	49.6	34.0	16.4
		Field Note:, Broken Rock (Cobbles) were within sample. NXDC., brn, Moist, Rec. = 0.5 ft				5-13-11-6 (24)	12.7	65.9	21.2	12.9
		Visual Description:, Mostly Broken Rock with some weathering, grn, Moist, Rec. = 0.3 ft, Insufficient sample for testing. NXDC.				22-R@4.5"				
10		Field Class:, NXDC, Decayed rock								
		Visual Description:, Broken Rock with sand, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.				3-6-9-12 (15)				
		Lab Note, Broken Rock (Cobbles) were within sample. NXDC., brn, Moist, Rec. = 1.5 ft				15-25-22-22 (47)	9.2	39.4	42.2	18.4
		Lab Note, Very Weathered & soft rock., gry, Moist, Rec. = 1.3 ft				13-13-14-11 (27)	9.9	50.8	35.0	14.2
15		Lab Note, Very Weathered & soft rock., gry, Moist, Rec. = 0.5 ft				2-13-R@3.5"	11.3	44.4	36.4	19.2
		18.3 ft – 21.3 ft, Light-greenish-gray to lustrous pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 49	1 (65)	100 (53)	4 3 4	Top of Bedrock @ 18.3 ft				
20		21.3 ft – 23.3 ft, Light-greenish-gray to lustrous pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 49	2 (65)	60 (50)	10 8					
		23.3 ft – 28.3 ft, Light-greenish-gray to lustrous pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 53	3 (65)	96 (86)	2 2 3 3 3					
25		Hole stopped @ 28.3 ft								
30										

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.

ABUTMENT NO 2
BOTTOM PILE CAP
EL 945.0

936

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

ROCHESTER
BHF 0162 (17)
VT-73 BR-16

Boring No.: B-104
Page No.: 1 of 1
Pin No.: 85E035
Checked By: NSM

Boring Crew: SALISBURY, GARROW
Date Started: 4/06/12 Date Finished: 4/06/12
VTSPG NAD83: N 491673.96 ft E 1548216.45 ft
Station: 334+25.95 Offset: 6.53
Ground Elevation: 952.9 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	4 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:	Auto/AWJ	
Rig:	CME 45C TRACK	CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
04/09/12	11.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft – 1.0 ft								
		A-1-b, SaGr, brn, Moist, Rec. = 0.9 ft, Broken Rock was within sample. NXDC				6-7-7-6 (14)	9.0	44.9	41.0	14.1
		A-1-a, SaGr, grn-brn, Moist, Rec. = 0.5 ft, Broken Rock was within sample.				5-4-8-8 (12)	9.6	64.7	25.2	10.1
5										
		Field Note:, NXDC, Appears to be Gravel								
		Visual Description:, Broken Rock with silt & sand, grn-brn, Wet, Rec. = 0.2 ft, Insufficient sample for testing.				2-2-1-4 (3)	16.3			
10										
		Field Note:, NXDC, Cobbles								
15		16.5 ft – 17.5 ft, Light-greenish-gray to lustrous pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Unweathered, Poor rock, NXMDC, RMR = 39	1 (65)	100 (0)	5 2	Top of Bedrock @ 16.5 ft				
		17.5 ft – 21.5 ft, Light-greenish-gray to lustrous pale-green, chlorite-muscovite-quartz Phyllite, with some quartz beds. Moderately soft, Unweathered, Poor rock, NXMDC, RMR = 39	2 (65)	40 (12)	2 3 3					
20		Hole stopped @ 21.5 ft								
25										
30										

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

Vanasse Hangen Brustlin, Inc.

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

FILE NAME: z85e035borlogs.dgn
PROJECT LEADER: G.S. GOODRICH
DESIGNED BY: VTRANS
BR 16 BORING LOGS (2 OF 2)

PLOT DATE: 8/19/2013
DRAWN BY: E.A. FIALA
CHECKED BY: S.E. BURBANK
SHEET 145 OF 238

VHB 57527

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