

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-101 SHEET 1 of 1 DATE STARTED: 11/03/06 DATE COMPLETED: 11/07/06					
PROJECT NAME: CHESTER SITE NAME: VT 103 STATION: 26+16.97 OFFSET: -24.87 VTSPG: N 275912.98 ft E 1618215.49 ft		PROJECT NUMBER: BRF 025-1(28)S SITE NUMBER: BR 8 GROUND ELEVATION: 579.4 ft GROUNDWATER DEPTH: 8.2 ft 11/07/06 PROJECT PIN NUMBER: 84E061					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: WERNER		BORING RIG: LAG TRACK RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft	7	12.8	17.2	61.6	21.2
		Field Note: Lost water at 3.3 ft.					
5		Field Class: No sample, Cobbles, Cleaned casing.					
		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft	R	27.8	6.7	72.0	21.3
		Cobbles & Boulders, 6.9 ft - 9.8 ft					
10		Field Class: A-2-4, Gr Sa, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	R				
		Cored ahead, Advanced casing, Cleaned casing, 10.5 ft - 11.8 ft					
		Top of Bedrock @ 12.0 ft (567.40)					
		Gray-white, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 12.0 ft - 17.0 ft, Rec. = 4.1 ft	1	82	83	80	7
15							4
							5
							4
							4
		Gray-white, Biotite-Quartz-Plagioclase Gneiss, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 17.0 ft - 21.8 ft, Rec. = 4.7 ft	2	98	90	80	8
20							9
							8
							10
							8
25		Hole stopped @ 21.8 ft					

TOP OF FOOTING ELEVATION = 573.5

LOG OF BORING CHESTER BRF 025-1(28)S.GPJ VT AGT.GDT 12/15/08

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-102 SHEET 1 of 1 DATE STARTED: 11/07/06 DATE COMPLETED: 11/13/06					
PROJECT NAME: CHESTER SITE NAME: VT 103 STATION: 25+57.14 OFFSET: 20.33 VTSPG: N 275889.36 ft E 1618144.32 ft		PROJECT NUMBER: BRF 025-1(28)S SITE NUMBER: BR 8 GROUND ELEVATION: 577.89 ft GROUNDWATER DEPTH: 7.1 ft 11/09/06 PROJECT PIN NUMBER: 84E061					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: WERNER		BORING RIG: LAG TRACK RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-2-4, SiSa, brn, Moist, Rec. = 0.3 ft	3	16.9	6.9	71.9	21.2
		NXDC, Cobbles, 2.1 ft - 4.9 ft					
5		Visual Class: Broken Rock with sand, brn, Wet, Rec. = 0.5 ft	38	10.0			
		NXDC, Cobbles, Cleaned out casing., 6.4 ft - 8.9 ft					
10		Wood, 8.9 ft - 9.8 ft, Used roller core bit.	41	9.6			
		Field Class: A-1-b, Sa Gr, gry, Wet, Rec. = 0.5 ft, Insufficient sample for testing.					
		NXDC, Boulders, Cleaned out casing., 11.8 ft - 16.0 ft					
15							
		A-4, SaSi, gry, Moist, Sample retrieved from core barrel.		9.1	3.9	43.9	52.2
20		No Recovery, 19.7 ft - 20.2 ft	R				
		Top of Bedrock @ 21.7 ft (556.19)					
		Gray-white, Layered Biotite-Quartz-Plagioclase Gneiss, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 21.7 ft - 22.4 ft, Rec. = 2.8 ft	1	97	81	80	5
25		White-gray, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent., Hard, Unweathered, 22.4 ft - 24.6 ft					6
		White-gray, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 24.6 ft - 26.6 ft, Rec. = 4.9 ft	2	100	95	80	6
		Gray-white, Biotite-Quartz-Plagioclase Gneiss, Competent., Hard, Unweathered, 26.6 ft - 28.9 ft					7
							5
							7
30		White-gray, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent., Hard, Unweathered, 28.9 ft - 29.5 ft	3	70	73	40	5
		White-gray, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent., Hard, Unweathered, NXMDC, 29.5 ft - 31.5 ft, Rec. = 1.4 ft					6
		Hole stopped @ 31.5 ft					

BOTTOM OF PILE CAP = 572.00

ESTIMATED PILE TIP

LOG OF BORING CHESTER BRF 025-1(28)S.GPJ VT AGT.GDT 12/15/08

PROJECT NAME: CHESTER
PROJECT NUMBER: BRF 025-1(28)

FILE NAME: 84e061/Str/s84e061bor.dgn PLOT DATE: 20-SEP-2010
PROJECT LEADER: C.P.WILLIAMS DRAWN BY: M&R LAB
DESIGNED BY: R.S.YOUNG CHECKED BY: R.S.YOUNG
BRIDGE 8 BORING LOGS 1 SHEET 23 OF 124