

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-103 SHEET 1 of 1 DATE STARTED: 11/14/06 DATE COMPLETED: 11/14/06			
PROJECT NAME: CHESTER		PROJECT NUMBER: BRF 025-1(28)S		SITE NUMBER: BR 8			
SITE NAME: VT 103		GROUND ELEVATION: 579.3 ft		GROUNDWATER DEPTH: 8.3 ft 11/14/06			
STATION: 25+49.19		PROJECT PIN NUMBER: 84E061					
OFFSET: -27.67							
VTSPG: N 275937.37 ft E 1618152.19 ft							
BORING CREW		BORING RIG: LAG TRACK RIG w/AUTO HAMMER		BORING TYPE: WASH BORE			
CREW CHIEF: GARROW		SAMPLE TYPE: SPLIT BARREL		CHECKED BY: CAA			
DRILLER: GARROW							
LOGGER: WERNER							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	D <sub>50</sub> (deg)	Drill Rate (min/ft)
		A-2-4, GrSa, brn, Moist, Rec. = 0.7 ft	20	19.4	24.9	58.6	16.5
		Cobbles, No Recovery, 2.0 ft - 9.8 ft, Cleaned out casing.					
5							
		A-1-b, GrSa, brn, Wet, Rec. = 0.9 ft	22	12.8	46.5	47.1	6.4
		Field Note: Cleaned out casing					
10							
		A-1-b, SaGr, brn, Wet, Rec. = 0.8 ft	22	10.9	47.2	44.6	8.2
		Field Note: Cleaned out casing					
15							
		A-2-4, GrSiSa (HP), gry, Moist, Rec. = 1.0 ft	R	9.5	25.1	41.8	33.1
		Field Note: Cleaned out casing					
20							
		Top of Bedrock @ 21.8 ft (557.50)					
		Gray-white, Layered Biotite-Quartz-Plagioclase Gneiss, Competent, Dip runs from 0 to 40., Hard, Unweathered, NXMDC, 21.8 ft - 23.2 ft, Rec. = 4.7 ft	1	96	93	40	6
		White-gray, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent, Hard, Unweathered, 23.2 ft - 26.7 ft					7
							7
							5
							6
25							
		White-gray, Quartz-Biotite-Plagioclase Gneiss, Quartz rich, Competent, Dip runs from 0 to 40., Hard, Unweathered, NXMDC, 26.7 ft - 31.6 ft, Rec. = 4.6 ft	2	94	70	40	5
							6
							7
							7
							6
30							
		Hole stopped @ 31.6 ft					

BOTTOM OF PILE CAP = 572.00

ESTIMATED PILE TIP

LOG OF BORING CHESTER BRF 025-1(28)S.CPJ VT\_AOT.GDT 12/15/08

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-104 SHEET 1 of 1 DATE STARTED: 11/15/06 DATE COMPLETED: 11/15/06			
PROJECT NAME: CHESTER		PROJECT NUMBER: BRF 025-1(28)S		SITE NUMBER: BR 8			
SITE NAME: VT 103		GROUND ELEVATION: 576.67 ft		GROUNDWATER DEPTH: 5.2 ft 11/15/06			
STATION: 26+12.73		PROJECT PIN NUMBER: 84E061					
OFFSET: 17.73							
VTSPG: N 275873.99 ft E 1618197.81 ft							
BORING CREW		BORING RIG: LAG TRACK RIG w/AUTO HAMMER		BORING TYPE: WASH BORE			
CREW CHIEF: GARROW		SAMPLE TYPE: SPLIT BARREL		CHECKED BY: CAA			
DRILLER: GARROW							
LOGGER: WERNER							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	D <sub>50</sub> (deg)	Drill Rate (min/ft)
		A-2-4, GrSa, brn, Moist, Rec. = 0.7 ft	3	17.8	20.8	64.8	14.4
5							
		Field Class: A-1-b, Gr Sa with Wood, Rec. = 0.3 ft, Insufficient sample for testing.	4				
		Top of Bedrock @ 9.7 ft (566.97)					
		Gray-white, Biotite-Quartz-Plagioclase Gneiss, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 9.7 ft - 10.5 ft, Rec. = 0.8 ft	1	100	100	80	8
		Gray-white, Biotite-Quartz-Plagioclase Gneiss, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 10.5 ft - 11.0 ft, Rec. = 4.9 ft	2	100	73	80	9
		Quartz vein., 11.0 ft - 12.4 ft					6
		Gray-white, Biotite-Quartz-Plagioclase Gneiss, Competent, Hard, Unweathered, 12.4 ft - 15.4 ft					6
							5
15							
		Gray-white, Biotite-Quartz-Plagioclase Gneiss, Competent, Dip runs from 0 to 80., Hard, Unweathered, NXMDC, 15.4 ft - 17.7 ft, Rec. = 3.6 ft	3	92	79	80	6
		Quartz vein., 17.7 ft - 18.0 ft					5
		Biotite-Quartz-Plagioclase Gneiss, 18.0 ft - 18.4 ft					6
		Quartz vein., 18.4 ft - 19.3 ft					6
		Hole stopped @ 19.3 ft					
20							
25							

TOP OF FOOTING ELEVATION = 573.5

LOG OF BORING CHESTER BRF 025-1(28)S.CPJ VT\_AOT.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 2 SHEET 24 OF 124