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

HOLE NO.: B-1
SHEET 1 OF 1
DATE STARTED: 5/11/99
DATE COMPLETED: 5/12/99

PROJECT NAME: CHESTER
SITE NAME: BR 12
STATION: 202+00.00
GROUND EL.: 584.70

PROJECT NUMBER: BRF 025-1(35)
SITE NO.: VT 103
OFFSET: -25.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER: CHABOT
LOGGER: YOUNG

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

B.F. ABUT. #1
EST. PILE LENGTH = 26'-0"
E.P.T.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		No Sample, Boulders							
10		A-1-b, GrSa, gry, Moist, Rec. = 1.1'	39	13.4	42.3	44	13.7		
15		A-1-b, SaGr, brn, Moist, Rec. = 0.5'	16	14.4	43.8	42.8	13.4		
20		A-1-b, GrSa, brn, Moist, Rec. = 0.85'	27	13.2	43.3	46.4	10.3		
25		A-2-4, SiSa, brn, Moist, Rec. = 1.4'	43	15.3	17.4	61.6	21		
			Top of bedrock @ 30.'						
30		Run #1: BMXDC, 30.0'-33.0', Rec. = 2.5', See Geologist's Report. (Several seams. Barrel plugged.)	1	83	64	20			
35		Run #2: BMXDC, 33.0'-38.0', Rec. = 4.2', See Geologist's Report.	2	84	72	20			
40		Run #3: BMXDC, 38.0'-43.0', Rec. = 4.3', See Geologist's Report.	3	86	25	20			
45		Run #4: BMXDC, 43.0'-44.5', Rec. = 1.3' See Geologist's Report.	4	87	0	20			
			Hole stopped @ 44.5'						

Geologist's Report:

Run #1: Light gray granitic gneiss, Hard to very hard, Unweathered, Competent.

Run #2: Same as Run #1.

Run #3: Same material as Run #1, but moderately to severely weathered from 38.3' to bottom of run. Poor Competency.

Run #4: Same as Run #3.

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HOLE NO.: B-2
SHEET 1 OF 1
DATE STARTED: 5/18/99
DATE COMPLETED: 5/18/999

PROJECT NAME: CHESTER
SITE NAME: BR 12
STATION: 202+00
GROUND EL.: 580.33

PROJECT NUMBER: BRF 025-1(35)
SITE NO.: VT 103
OFFSET: 25.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER: CHABOT
LOGGER: YOUNG

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

B.F. ABUT. #1
EST. PILE LENGTH = 20'-0"
E.P.T.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-a, SaGr, Lt/brn, Moist, Rec. = 0.5'	21	7.9	72.5	22.1	5.4		
10		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.1'	47	13.4	38.8	46.4	14.8		
15		A-1-b, SaGr, brn, Moist, Rec. = 0.2'	R	10.6	47.3	40.2	12.5		
			Top of bedrock @ 19.0'						
20		Run #1: BXMDC, 19.0'-22.3', Rec. = 3.0', See Geologist's Report.	RUN 1	REC% 91	RQD% 91	Dip° 20			
25		Run #2: BXMDC, 22.3'-25.3' Rec. = 2.3', (Plugged core barrel), See Geologist's Report.	2	77	77	20			
		Run #3: BXMDC, 25.3'-29.3', Rec. = 3.4', See Geologist's Report.	3	85	85	20			
			Hole stopped @ 29.3'						
30									
35									
40									
45									

Geologist's Report:

Run #1: Gray gneiss, Hard, Unweathered, Competent.

Run #2: Same as Run #1.

Run #3: Same as Run #1, with rusty weathered joint at end of run.

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HOLE NO.: B-3
SHEET 1 OF 1
DATE STARTED: 5/25/99
DATE COMPLETED: 5/25/99

PROJECT NAME: CHESTER
SITE NAME: BR 12
STATION: 203+75.00
GROUND EL.: 598.09

PROJECT NUMBER: BRF 025-1(35)
SITE NO.: VT 103
OFFSET: -25.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER: CHABOT
LOGGER: YOUNG

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

B.F. ABUT. #2
EST. PILE LENGTH = 13'-0"
E.P.T.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		No Sample, Rock Fill, No Rec.							
10		No Sample, Boulders, No Rec.	43						
15		A-1-a, SaGr, brn, Moist, Rec. = 1.0'	65	10.4	50.2	40.9	8.9		
20		No Rec., Boulders							
25		BXDC, Cored Boulder							
			Top of bedrock @ 30.0'						
30		Run #1: BXMDC, 30.0'-35.0', Rec. = 2.9', See Geologist's Report.	RUN 1	REC% 58	RQD% 50	Dip° 10			
35		Run #2: BXMDC, 35.0'-40.0', Rec. = 2.2', See Geologist's Report.	2	44	25	15			
40		Run #3: BXMDC, 40.0'-45.0', Rec. = 4.8', See Geologist's Report.	3	96	90	15			
45			Hole stopped @ 45.0'						

Geologist's Report:

Run #1: 30.0'-32.5', Gray quartz biotite schist, Moderately hard, Unweathered, Competent.
32.5'-35.0', Black biotite quartz schist, Moderately hard, Unweathered, Competent.

Run #2: 35.0'-36.4', Same as bottom of Run #1, Numerous joints, Poor competency.
36.4'-37.0', Granitic dike
37.0'-40.0', Same as beginning of Run#1.

Run #3: Same as beginning of Run #1, Competent.

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HOLE NO.: B-4
SHEET 1 OF 1
DATE STARTED: 5/20/99
DATE COMPLETED: 5/20/99

PROJECT NAME: CHESTER
SITE NAME: BR 12
STATION: 202+78.00
GROUND EL.: 595.60

PROJECT NUMBER: BRF 025-1(35)
SITE NO.: VT 103
OFFSET: 46.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER: CHABOT
LOGGER: YOUNG

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

B.F. ABUT. #2
EST. PILE LENGTH = 12'-0"
E.P.T.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		No Sample, Boulders							
10		A-2-4, SiSa, brn, MTW, Rec. = 0.5'	9	40.9	8.8	56.7	34.5		
15		No Sample, Boulders							
20		A-1-b, GrSa, brn, Moist, Rec. = 1.2'	22	13	40.5	48.9	10.6		
25		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.6'	67	11.3	44.8	45.7	9.5		
			Top of bedrock @ 27.0'						
		Run #1: BXMDC, 27.0'-30.0', Rec. = 1.75' (Barrel plugged) See Geologist's Report.	RUN 1	REC% 58	RQD% 58	Dip° 20			
30		Run #2: BXMDC, 30.0'-35.0', Rec. = 4.8', See Geologist's Report.	2	96	96	20			
35		Run #3: BXMDC, 35.0'-35.5' Barrel plugged) Rec. = 0.5', See Geologist's Report.	3	100	100	20			
		Run #4: BXMDC, 35.5'-36.0 (Barrel plugged) No recovery. See Geologist's Report.	4	0	—	—			
			Hole stopped @ 36.0'						
40									
45									

Geologist's Report:
Run #1: Gray gneiss and granitic gneiss, Hard, Unweathered, Competent.
Run #2: Same as Run #1, with granitic dike at the bottom of run, Competent.
Run #3: Same as Run #2. See Note below.
Run #4: No Recovery. See Note below.
*Note: Two additional runs made with barrel plugging each time. Hole stopped at 36.0'.

LEGEND

B.F. = BOTTOM OF FOOTING ELEVATION
E.P.T. = ESTIMATED PILE TIP ELEVATION

NOTE

1. BOTTOM OF FOOTING ELEVATION = 580.00.

SURVEYED BY _____ DATE _____
DRAWN BY J. TOUCHETTE DATE 06/99
SQUAD LEADER C.C. BENDA
DESIGN FILE NO. /str2/87bl34/zbl34cbo.dgn
IPARM FILE _____ DATE PLOTTED 28-MAY-2003
PROJ. NAME CHESTER
PROJ. NO. BRF 025-1(35)
BRIDGE SHEET NO. BR103
SHEET 47 OF 79 SHEETS