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

HOLE NO.: B-1
SHEET 1 OF 1
DATE STARTED: 7/26/00
DATE COMPLETED: 7/26/00

PROJECT NAME: WILLIAMSTOWN
SITE NAME: BR 10
STATION: 218+00.00
GROUND EL.: 884.30

PROJECT NUMBER: BRS 0204(4)
SITE NO.: Vt 64
OFFSET: -20.00
G.W. DEPTH: 7.2

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: RUSSELL
LOGGER: DAVIS

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

884.30 GROUND EL.
878.00 TOP RET. WALL FOOTING EL.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-2-4, SiSa Trace of Organic (1.24%), brn, MTW, Rec. = 0.59'	R	27.6	19.6	52.5	27.9		
5		BXDC, 5.9'-7.7', Boulder, No Sample							
			Top of bedrock @ 8.5'						
			RUN	REC%	RQD%	Dip°			
10		Run#1: BXDC, 8.5'-10.5', Rec. = 2.0' See Geologist's Report.	1	99	35	40			
		Run#2: BXMDC, 10.5'-15.5' Rec. = 4.9' See Geologist's Report.	2	97	40	40			
15		Run#3: BXMDC, 15.5'-18.5' Rec. = 2.8', See Geologist's Report.	3	95	0	40			
20		Hole stopped @ 18.5'							

Note: Water table 7.2'

Geologist's Report:

Run #1: Gray silliceous limestone, Hard, Unweathered, Not competent, Near vertical joint runs through most of recovered core.

Run #2: 10.50'-12.50', Same as Run #1 but no joints, Not competent. 12.50'-Bottom of core, Gray phyllite with closely spaced jointing throughout Run, Moderately hard, Rock is unweathered, Staining along joint surfaces.

Run #3: Same as bottom of Run #2, Not competent, Closely spaced joints.

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HOLE NO.: B-2
SHEET 1 OF 1
DATE STARTED: 7/27/00
DATE COMPLETED: 7/27/00

PROJECT NAME: WILLIAMSTOWN
SITE NAME: BR 10
STATION: 219+00.00
GROUND EL.: 878.01

PROJECT NUMBER: BRS 0204(4)
SITE NO.: Vt 64
OFFSET: 20.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: RUSSELL
LOGGER: DAVIS

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

878.01 GROUND EL.
873.00 TOP ABUT. FOOTING EL.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		4.9'-6.9', No Rec., Stone in end of barrel.	8						
			Top Of bedrock @ 9.0'						
			RUN	REC%	RQD%	Dip°			
10		Run#1: BXMDC, 9.0'-14.0', Rec. = 3.4', Note: Seam @ 11.1'-12.1' See Geologist's Report.	1	68	48	40			
15		Run#2: BXMDC, 14.0'-19.0', Rec. = 3.9', See Geologist's Report.	2	79	75	40			
20		Hole stopped @ 19.0'							

Note: Water table not encountered.

Geologist's Report:

Run #1: 9.00'-11.10', Gray silliceous limestone, Hard, Unweathered, Not competent. Drillers report seam from 11.10'-12.10' 12.10'- Bottom of core, Gray phyllite with closely spaced joints, Moderately hard, Rock is unweathered, Staining along joint surfaces.

Run #2: Top section= Same as bottom of Run #1 but no jointing, Competent. Middle section= Gray silliceous limestone, Hard, Unweathered, Competent. Bottom section= Same as top of Run #2 with some quartz veins, Competent.

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SUBSURFACE INFORMATION

HOLE NO.: B-3
SHEET 1 OF 1
DATE STARTED: 7/31/00
DATE COMPLETED: 7/31/00

PROJECT NAME: WILLIAMSTOWN
SITE NAME: BR 10
STATION: 219+25.00
GROUND EL.: 875.99

PROJECT NUMBER: BRS 0204(4)
SITE NO.: Vt 64
OFFSET: -18.00
G.W. DEPTH: 9.5

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: RUSSELL
LOGGER: DAVIS

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

875.99 GROUND EL.
867.00 TOP ABUT. FOOTING EL.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		No Rec., Appears to be sand.	2						
			Top of bedrock @ 10.5'						
			RUN	REC%	RQD%	Dip°			
10		Run#1: BXMDC, 10.5'-15.5' Rec. = 4.0', Small seam 12.5'-13.0', See Geologist's Report.	1	80	50	40			
15		Run#2: BXMDC, 15.5'-20.5' Rec. = 4.45' See Geologist's Report.	2	89	75	40			
20		Hole stopped @ 20.5'							

Note: Water table 9.5'

Geologist's Report:

Run #1: 10.50'-12.50', Gray silliceous limestone, Hard, Unweathered, RQD fair, Not competent Drillers report seam from 12.5'-13.0'. Bottom section= Gray phyllite, Moderately hard, Unweathered.

Run #2: Top section= Gray phyllite with quartz, Moderately hard, Unweathered, Competent. Bottom section= Gray silliceous limestone, Hard, Unweathered Competent.

STATE OF VERMONT
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SUBSURFACE INFORMATION

HOLE NO.: B-4
SHEET 1 OF 1
DATE STARTED: 7/27/00
DATE COMPLETED: 7/28/00

PROJECT NAME: WILLIAMSTOWN
SITE NAME: BR 10
STATION: 219+50.00
GROUND EL.: 875.63

PROJECT NUMBER: BRS 0204(4)
SITE NO.: Vt 64
OFFSET: 30.00
G.W. DEPTH: 14.1

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: RUSSELL
LOGGER: DAVIS

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

875.63 GROUND EL.
860.00 TOP ABUT. FOOTING EL.

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-b, SaGr, brn, MTW, Rec. = 0.7'	6	23.5	48.4	32.1	19.5		
10		BXDC, 9.0'-11.0', Boulder, No sample							
		BXDC, 12.0'-14.0', Boulder, No sample							
15		BXDC, 15.0'-17.0', Boulder							
			Top of bedrock @ 18.0'						
			RUN	REC%	RQD%	Dip°			
20		Run#1: BXMDC, 18.0'-23.0' Rec. = 4.83' See Geologist's Report.	1	98	98	40			
25		Run#2: BXMDC, 23.0'-28.0' Rec. = 5.0' See Geologist's Report.	2	100	100	40			
30		Hole stopped @ 28.0'							

Note: Water table 14.1'

Geologist's Report:

Run #1: Gray silliceous limestone, Hard, Unweathered, Competent.

Run #2: Same as Run #1, Competent.

SURVEYED BY		DATE	
DRAWN BY	J.TOUCHETTE	DATE	08/00
SQUAD LEADER	C.C. BENDA		
DESIGN FILE NO.	/matres/83elll/mellbor.dgn		
IPARM FILE	selllbo2.i	DATE PLOTTED	07-APR-2008
PROJ. NAME	WILLIAMSTOWN		
PROJ. NO.	BRS 0204(4)		
SHEET 43 OF 108 SHEETS			