

MORRISTOWN F 029-I(2)
 * HOLE NO. P-1 STA. 263+40 OFFSET .C1...
 DRILLER: MCBLYNN
 LOG APPROVED BY: G. BATCHELDER-ADAMS
 DATE: START 6-2-97 FINISH
 SURFACE ELEVATION 177.60 RAFT DECK ELEVATION

METRIC ELEVATION METERS	DEPTH (FT)	BLOCKS ON CASING STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK RAFT DECK @ 0.0'												
177.150							WATER LEVEL @ 1.3'												
175							RIVER BED @ 0.5'												
10	2	#					NO SAMPLE SILT												
	38						NO SAMPLE BOULDER												
20	---						NO SAMPLE BOULDER 19'-39'												
170	---						BXDC 23.2'-26.5' BOULDER												
30	---						BXDC 28.0'-33.0' BOULDER												
	R						NO SAMPLE BOULDER												
165	40	---					NO SAMPLE FLOWING SAND												
							TOP OF BEDROCK @ 46.4'												
50							SEE GEOLOGISTS REPORT BELOW												
160							HOLE STOPPED @ 55.4' IN BEDROCK												
60							<table border="1"> <thead> <tr> <th>RUN</th> <th>LENGTH</th> <th>ZREC</th> <th>ROD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>46.4-50.4'</td> <td>75</td> <td>0</td> </tr> <tr> <td>2</td> <td>50.4-55.4'</td> <td>82</td> <td>40%</td> </tr> </tbody> </table>	RUN	LENGTH	ZREC	ROD	1	46.4-50.4'	75	0	2	50.4-55.4'	82	40%
RUN	LENGTH	ZREC	ROD																
1	46.4-50.4'	75	0																
2	50.4-55.4'	82	40%																
							CORE CONSISTS OF BLACK QUARTZITE PYLITE WITH SMALL 1/4-1/2" CUBES OF PYRITE. CORE IS MODERATELY COMPETENT BUT SOFT, POOR QUALITY TO STEEP DIP AND THIN LAMINATIONS.												
70																			
155																			

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177.150							WATER LEVEL @ 1.3'												
175							RIVER BED @ 7.0'												
10	3	#					NO SAMPLE SILT												
	8						NO SAMPLE GRAVEL												
20	---						BXDC 17.0'-20.0' BOULDERS 17.0'-42.0'												
170	---						NO SAMPLE BOULDER												
30	---						BXDC 30.0'-33.0' BOULDER												
	R						NO SAMPLE BOULDER												
165	40	---					NO SAMPLE BOULDER TOP OF BEDROCK @ 42.4'												
							SEE GEOLOGISTS REPORT BELOW												
50							HOLE STOPPED @ 52.4' IN BEDROCK												
60							<table border="1"> <thead> <tr> <th>RUN</th> <th>LENGTH</th> <th>ZREC</th> <th>ROD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>42.4-47.4</td> <td>36</td> <td>0</td> </tr> <tr> <td>2</td> <td>47.4-52.4</td> <td>88</td> <td>30%</td> </tr> </tbody> </table>	RUN	LENGTH	ZREC	ROD	1	42.4-47.4	36	0	2	47.4-52.4	88	30%
RUN	LENGTH	ZREC	ROD																
1	42.4-47.4	36	0																
2	47.4-52.4	88	30%																
							CORE CONSISTS OF DARK GRAY CARBONACEOUS PYLITE AND PHYLITIC QUARTZITE. PYRITE IS ABUNDANT THROUGHOUT THE CORE AND IS UNWEATHERED. ROCK IS SOFT TO MODERATELY HARD AND IS GENERALLY COMPETENT.												
70																			
155																			

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177.150							WATER LEVEL @ 1.3'												
175							RIVER BED @ 10.5'												
10	---						NO SAMPLE GRAVEL												
20	---						NO SAMPLE GRAVEL												
170	---						NO SAMPLE BOULDER AND GRAVEL												
30	---						BXDC 29.0'-33.0' BOULDER												
	---						BXDC 33.0'-36.0' BOULDER												
40	---						TOP OF BEDROCK @ 40.0'												
165	40	---					SEE GEOLOGISTS REPORT BELOW												
50							HOLE STOPPED @ 46.0' IN BEDROCK												
60							<table border="1"> <thead> <tr> <th>RUN</th> <th>LENGTH</th> <th>ZREC</th> <th>ROD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>40.0-42.0</td> <td>70</td> <td>45%</td> </tr> <tr> <td>2</td> <td>42.0-46.0</td> <td>98</td> <td>54%</td> </tr> </tbody> </table>	RUN	LENGTH	ZREC	ROD	1	40.0-42.0	70	45%	2	42.0-46.0	98	54%
RUN	LENGTH	ZREC	ROD																
1	40.0-42.0	70	45%																
2	42.0-46.0	98	54%																
							CORE CONSISTS OF BLACK CARBONACEOUS PYLITE IN CONTACT WITH 1/2" CUBES OF PYRITE. FRACTURE FACES SHOW SLICKEN SIDES. CORE IS VERY SOFT BUT UNWEATHERED.												
							BLACK CARBONACEOUS PYLITE IN CONTACT WITH A QUARTZ CHLORITE SCHIST WITH MINOR PYRITE AND ABUNDANT QUARTZ LAMINATIONS. THE QUARTZ CHLORITE SCHIST FORMS BOTTOM 2 FEET OF CORE AND IS MODERATELY HARD AND COMPETENT.												
70																			
150																			

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177.150							WATER LEVEL @ 1.3'												
175							RIVER BED @ 8.0'												
10	---						NO SAMPLE												
	R						NO SAMPLE STONE CAUGHT IN CASING												
20	---						BXDC 19.0'-24.0' BOULDER												
170	---						NO SAMPLE												
30	---						NO SAMPLE BOULDER												
	R						NO SAMPLE TOP OF BEDROCK @ 36.0'												
165	40	---					SEE GEOLOGISTS REPORT BELOW												
50							HOLE STOPPED @ 46.0' IN BEDROCK												
60							<table border="1"> <thead> <tr> <th>RUN</th> <th>LENGTH</th> <th>ZREC</th> <th>ROD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>36.0-41.0</td> <td>35</td> <td>0</td> </tr> <tr> <td>2</td> <td>41.0-46.0</td> <td>50</td> <td>7%</td> </tr> </tbody> </table>	RUN	LENGTH	ZREC	ROD	1	36.0-41.0	35	0	2	41.0-46.0	50	7%
RUN	LENGTH	ZREC	ROD																
1	36.0-41.0	35	0																
2	41.0-46.0	50	7%																
							CORE CONSISTS OF DARK GRAY CARBONACEOUS PYLITE AND PHYLITIC QUARTZITE. ROCK IS MODERATE TO VERY HARD. CORE IS BRITTLE RESULTING IN THE LOW ROAD. OVERALL ROCK IS COMPETENT IN PLACE.												
70																			
155																			

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175							RIVER BED @ 10.5'												
10	---						NO SAMPLE STONE CAUGHT IN CASING												
20	---						NO SAMPLE STONE CAUGHT IN CASING												
170	---						A-2-4 SAND @ 4.52'												
30	---						TOP OF BEDROCK @ 30.0'												
							SEE GEOLOGISTS REPORT BELOW												
165	40	---					HOLE STOPPED @ 40.0' IN BEDROCK												
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RUN	LENGTH	ZREC	ROD																
1	30.0-35.0	90	100%																
2	35.0-40.0	100	80%																
							CORE INTERVAL 30.0' - 35.0' CORE CONSISTS OF QUARTZITE PYLITE. THE FRACTURE SURFACES ARE NOT COATED, SHOWING NO SIGNS OF WEATHERING. PYRITE IS ABUNDANT AND UNWEATHERED. THIS SECTION OF CORE IS MODERATELY HARD AND COMPETENT.												
							CORE INTERVALS 35.0'-40.0' CORE CONSISTS OF BLACK CARBONACEOUS PYLITE WITH MINOR QUARTZITE PYLITE. LAYERS THE LOWER 4 1/2 FT OF THIS CORE IS SOFT BUT COMPETENT AT THE OUTCROP SCALE.												
60																			
70																			
155																			

* FOR METRIC STATION AND OFFSET, SEE BORING CHART ON BORING INFORMATION SHEET

BORING LOGS ARE IN ENGLISH UNITS. A METRIC ELEVATION COLUMN HAS BEEN ADDED TO EACH BORING LOG FOR REFERENCE.

PROJECT NAME: MORRISTOWN
 PROJECT NUMBER: STP F 029-I(2)C/1
 FILE NAME: z10b194a12.dgn PLOT DATE: 29-MAR-2012
 PROJECT LEADER: DMB DRAWN BY:
 DESIGNED BY: VTrans / S. Della CHECKED BY: R. Joy
 BORING LOG SHEET - 2 SHEET 66 OF 123