

MORRISTOWN F 029-K2)
 * HOLE NO. B-STA. 264+07 OFFSET .4' R1
 DRILLER: JLLS
 LOG APPROVED BY: G. BACHELDER-ADAMS
 DATE: START 1-9-98 FINISH
 SURFACE ELEVATION 184.407

METRIC ELEVATION METERS	DEPTH (FT)	BLDG OR CASING PENETRATION	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK																									
184.407																																	
	10						M brn	A-2-4 SILT w=36.5% TOP OF BEDROCK @ 6.6'																									
								<table border="1"> <tr> <td>1</td> <td>RM</td> <td>INT.</td> <td>ZREC</td> <td>ROD</td> </tr> <tr> <td>1</td> <td>MMDC</td> <td>6.6-8.6</td> <td>32</td> <td>0%</td> </tr> <tr> <td>2</td> <td>MMDC</td> <td>8.6-16.6</td> <td>100</td> <td>50%</td> </tr> <tr> <td>3</td> <td>MMDC</td> <td>16.6-26.6</td> <td>100</td> <td>100%</td> </tr> <tr> <td>4</td> <td>MMDC</td> <td>26.6-26.6</td> <td>100</td> <td>95%</td> </tr> </table>	1	RM	INT.	ZREC	ROD	1	MMDC	6.6-8.6	32	0%	2	MMDC	8.6-16.6	100	50%	3	MMDC	16.6-26.6	100	100%	4	MMDC	26.6-26.6	100	95%
1	RM	INT.	ZREC	ROD																													
1	MMDC	6.6-8.6	32	0%																													
2	MMDC	8.6-16.6	100	50%																													
3	MMDC	16.6-26.6	100	100%																													
4	MMDC	26.6-26.6	100	95%																													
	20							SEE GEOLOGIST'S REPORT BELOW																									
	30							HOLE STOPPED @ 26.6' IN BEDROCK																									
	40							INTERVAL 6.6-16.6 CORE CONSISTS OF A QUARTZ-RICH GRAPHIC PHYLLITE. THIS RUN IS MODERATELY WEATHERED AND SOFT. ROCK FRACTURES ALONG VERTICAL FOLIATIONS AND LOW ANGLE CROSS-FRACTURES. THIS RUN IS IN COMPETENT ROCK.																									
	50							INTERVAL 16.6-26.6 CORE CONSISTS OF THE SAME ROCK TYPE AS RUN #1. THE ROCK IS MODERATELY COMPETENT TO COMPETENT.																									
								INTERVAL 16.6-26.6 SAME ROCK TYPE AS RUN #1 BUT ROCK IS FRESH. MODERATELY HARD TO HARD AND COMPETENT. CORE RECOVERED IN ONE PIECE.																									
								INTERVAL 26.6-26.6 SAME ROCK TYPE AS RUN #1. CORE IS FRACTURED ALONG FOLIATION INTO LARGE PIECES. CORE IS COMPETENT OVERALL.																									

BOTTOM OF SOUTH SLANT LEG FOOTING ELEVATION 178.185

MORRISTOWN F 029-K2)
 * HOLE NO. B-STA. 264+08 OFFSET .02'
 DRILLER: JLLS
 LOG APPROVED BY: G. BACHELDER-ADAMS
 DATE: START 1-9-98 FINISH
 SURFACE ELEVATION 177.266

METRIC ELEVATION METERS	DEPTH (FT)	BLDG OR CASING PENETRATION	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK															
177.266																							
	10						M brn	A-4 SILT w=25.0%															
	20						M brn	A-2-4 SILTY SAND w=24.4%															
	30						M brn	A-4 SILTY SAND w=16.7% TOP OF BEDROCK @ 16.5'															
	40							<table border="1"> <tr> <td>1</td> <td>RM</td> <td>INT.</td> <td>ZREC</td> <td>ROD</td> </tr> <tr> <td>1</td> <td>MMDC</td> <td>16.5-26.5</td> <td>100</td> <td>12%</td> </tr> <tr> <td>2</td> <td>MMDC</td> <td>26.5-26.5</td> <td>98</td> <td>1%</td> </tr> </table>	1	RM	INT.	ZREC	ROD	1	MMDC	16.5-26.5	100	12%	2	MMDC	26.5-26.5	98	1%
1	RM	INT.	ZREC	ROD																			
1	MMDC	16.5-26.5	100	12%																			
2	MMDC	26.5-26.5	98	1%																			
	50							SEE GEOLOGIST'S REPORT BELOW															
	60							HOLE STOPPED @ 26.5' IN BEDROCK															
	70							CORE CONSISTS OF QUARTZITE AND A QUARTZ-RICH PHYLLITE. CORE IS BRITTLE DUE TO HIGH QUARTZ CONTENT RESULTING IN LOW ROD. OVERALL THE ROCK IS MODERATELY HARD AND COMPETENT.															

BOTTOM OF NORTH SLANT LEG FOOTING ELEVATION 170.175

MORRISTOWN F 029-K2)
 * HOLE NO. B-STA. 264+09 OFFSET .20'
 DRILLER: JLLS
 LOG APPROVED BY: G. BACHELDER-ADAMS
 DATE: START 1-9-98 FINISH
 SURFACE ELEVATION 176.565

METRIC ELEVATION METERS	DEPTH (FT)	BLDG OR CASING PENETRATION	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK															
176.565																							
	10						M brn	A-2-4 SILTY SAND w=16.0% TOP OF BEDROCK @ 13.5' PENETRATED SOFT BEDROCK WITH CASING TO 14.5'															
	20							<table border="1"> <tr> <td>1</td> <td>RM</td> <td>INT.</td> <td>ZREC</td> <td>ROD</td> </tr> <tr> <td>1</td> <td>MMDC</td> <td>14.5-19.5</td> <td>98</td> <td>14%</td> </tr> <tr> <td>2</td> <td>MMDC</td> <td>19.5-24.5</td> <td>100</td> <td>26%</td> </tr> </table>	1	RM	INT.	ZREC	ROD	1	MMDC	14.5-19.5	98	14%	2	MMDC	19.5-24.5	100	26%
1	RM	INT.	ZREC	ROD																			
1	MMDC	14.5-19.5	98	14%																			
2	MMDC	19.5-24.5	100	26%																			
	30							SEE GEOLOGIST'S REPORT BELOW															
	40							HOLE STOPPED @ 24.5' IN BEDROCK															
	50							CORE CONSISTS OF PHYLLIC QUARTZITE AND PHYLLITE. THE CORE IS ONLY SLIGHTLY WEATHERED ALONG FOLIATION SURFACES. IS MODERATELY HARD AND COMPETENT OVERALL. LOW ROD IS DUE TO BRITTLE NATURE OF CORE AND IS NOT INDICATIVE OF OVERALL ROCK QUALITY. THIS CORE HAS A HIGHER PERCENTAGE OF MODERATELY SOFT PHYLLITE THAN HOLE #B-17, B-18 AND B-20.															

BOTTOM OF NORTH SLANT LEG FOOTING ELEVATION 170.175

MORRISTOWN F 029-K2)
 * HOLE NO. B-STA. 264+10 OFFSET .03'
 DRILLER: JLLS
 LOG APPROVED BY: G. BACHELDER-ADAMS
 DATE: START 1-9-98 FINISH
 SURFACE ELEVATION 178.637

METRIC ELEVATION METERS	DEPTH (FT)	BLDG OR CASING PENETRATION	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK															
178.637																							
	10						M brn	A-4 SANDY SILT w=14.6%															
	20						M brn	A-2-4 SILTY SAND w=12.0% ENCOUNTERED SOME BOULDERS/ COBBLES 8'-9'															
	30						M brn	A-4 SILTY SAND w=10.3% TOP OF BEDROCK @ 24.5'															
	40							<table border="1"> <tr> <td>1</td> <td>RM</td> <td>INT.</td> <td>ZREC</td> <td>ROD</td> </tr> <tr> <td>1</td> <td>MMDC</td> <td>24.5-26.5</td> <td>94</td> <td>32%</td> </tr> <tr> <td>2</td> <td>MMDC</td> <td>26.5-31.5</td> <td>80</td> <td>28%</td> </tr> </table>	1	RM	INT.	ZREC	ROD	1	MMDC	24.5-26.5	94	32%	2	MMDC	26.5-31.5	80	28%
1	RM	INT.	ZREC	ROD																			
1	MMDC	24.5-26.5	94	32%																			
2	MMDC	26.5-31.5	80	28%																			
	50							SEE GEOLOGIST'S REPORT BELOW															
	60							HOLE STOPPED @ 31.5' IN BEDROCK															
	70							CORE CONSISTS OF PHYLLIC QUARTZITE AND PHYLLITE. THE CORE IS MODERATELY HARD AND BRITTLE DUE TO HIGH QUARTZ CONTENT. THIS RESULTS IN LOW ROD VALUES. THE ROCK IS COMPETENT OVERALL.															

BOTTOM OF NORTH SLANT LEG FOOTING ELEVATION 170.175

MORRISTOWN F 029-K2)
 * HOLE NO. B-STA. 264+06 OFFSET .20' R1
 DRILLER: JLLS
 LOG APPROVED BY: G. BACHELDER-ADAMS
 DATE: START 1-9-98 FINISH
 SURFACE ELEVATION 177.692

METRIC ELEVATION METERS	DEPTH (FT)	BLDG OR CASING PENETRATION	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK															
177.692																							
	10							SANDY SILT WASH NO SAMPLE TAKEN															
	20							NO RECOVERY SANDY GRAVEL															
	30							NO RECOVERY SANDY GRAVEL															
	40						M brn	A-1-b SILTY GRAVEL w=2.7%															
	50						M brn	A-2-4 SILTY SAND w=24.7% TOP OF BEDROCK @ 23.5'															
	60							<table border="1"> <tr> <td>1</td> <td>RM</td> <td>INT.</td> <td>ZREC</td> <td>ROD</td> </tr> <tr> <td>1</td> <td>MMDC</td> <td>23.5-28.7</td> <td>100</td> <td>64%</td> </tr> <tr> <td>2</td> <td>MMDC</td> <td>28.7-33.7</td> <td>62</td> <td>28%</td> </tr> </table>	1	RM	INT.	ZREC	ROD	1	MMDC	23.5-28.7	100	64%	2	MMDC	28.7-33.7	62	28%
1	RM	INT.	ZREC	ROD																			
1	MMDC	23.5-28.7	100	64%																			
2	MMDC	28.7-33.7	62	28%																			
	70							SEE GEOLOGIST'S REPORT BELOW															
	80							HOLE STOPPED @ 33.7' IN BEDROCK															
	90							CORE CONSISTS OF QUARTZITE AND A QUARTZ-RICH PHYLLITE. CORE IS BRITTLE DUE TO HIGH QUARTZ CONTENT RESULTING IN LOW ROD. ROCK IS A COMPETENT BEARING SURFACE.															

* 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-K2)C/1

FILE NAME: z10b194a14.dgn PLOT DATE: 29-MAR-2012
 PROJECT LEADER: DMB DRAWN BY:
 DESIGNED BY: VTrans / S. Della CHECKED BY: R. Joy
 BORING LOG SHEET - 4 SHEET 68 OF 123