Metric

MORRISTOWN F 029-1(2)

* HOLE NO. B-1 STA. 259+70 OFFSET 1.20
DRILLER MH,LG
LOG APPROVED BY G. BATCHELDER-ADAMS
DATE: START 2-19-86 FINISH
SURFACE ELEVATION 192.359

BOTTOM OF ABUT. NO. 1
FOOTING ELEV. 192.000

ESTIMATED PILE TIP
ELEVATION 177.12

METRIC ELEVATION (METERS)	DEPTH (FT)	BLOWS ON CASING	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
192.359								
			39			M	BR	A-1-a GRAVEL W=8.8%
190	10		-					NO SAMPLE GR, STONE IN CASING
			-					NO SAMPLE BO.
	20		47			M	BR	A-4 SILT
185			59			M	BR	A-4 SILT W=21.5%
	30		71			M	BR	A-2-4 SILTY SAND W=23.8%
			59			M	BR	A-2-4 SILTY SAND W=21.5%
180	40		74			M	BR	A-2-4 SILTY SAND W=21.2%
			65			M	BR	A-4 SANDY SILT W=21.5%
								TOP OF BEDROCK @ 50.0'
						RUN# 1		DEPTH 3REC ROD 50.0-54.0 75% 37.5%
						2		54.0-59.0 98% 100%
						3		59.0-60.0 90% 44%
								ROCK TYPE - SEE BELOW
175	50							
								HOLE STOPPED @ 60.0' IN BEDROCK
	60					RUN# 1		DEPTH 3REC ROD 50.0-54.0 CORE CONSISTS OF BLACK CARBONACEOUS, QUARTZ-SERICITE SCHIST, CORE IS MODERATELY HARD AND UNWEATHERED.
						RUN# 2		INCREASE IN QUARTZ CONTENT RESULTS IN MORE COMPETENT CORE.
						RUN# 3		SAME ROCK TYPE AS RUNS #1 AND #2.
170	70							
	80							

MORRISTOWN F 029-1(2)

* HOLE NO. B-2 STA. 259+80 OFFSET 6
DRILLER MH,LG
LOG APPROVED BY G. BATCHELDER-ADAMS
DATE: START 2-19-86 FINISH
SURFACE ELEVATION 192.877

BOTTOM OF ABUT. NO. 1
FOOTING ELEV. 192.000

ESTIMATED PILE TIP
ELEVATION 180.99

METRIC ELEVATION (METERS)	DEPTH (FT)	BLOWS ON CASING	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
192.877								
			10					A-2-4 SILTY SAND W=24.5%
190	10		38					A-1-b GRAVEL W=8.2%
			-					NO SAMPLE BO.
	20		-					NO SAMPLE BO.
185			28			M	BR	A-4 SANDY SILT W=25.9%
	30		109					A-2-4 SAND W=26.7%
			102					A-4 SANDY SILT W=19.4%
								TOP OF BEDROCK @ 39.0'
180	40							
						RUN# 1		DEPTH 3REC ROD 39.0-44 60% 0%
						RUN# 2		44.0-47.5 70% 0%
						RUN 3		47.5-50.0 100% 54%
								ROCK TYPE - SEE BELOW
175	50							
								HOLE STOPPED @ 50.0 IN BEDROCK
	60					RUN# 1		ROCK IS QUARTZ SERICITE SCHST. THE ROCK APPEARS TO BE UNWEATHERED AND MODERATELY HARD.
						RUN# 2		VERY SOFT BLACK GRAPHITIC PHYLLITE, INCOMPETENT ROCK.
						RUN# 3		QUARTZOSE PHYLLITE & QUARTZ SERICITE SCHST ROCK IS UNWEATHERED.

MORRISTOWN F 029-1(2)

* HOLE NO. B-3 STA. 259+70 OFFSET 81.20
DRILLER MH,LG
LOG APPROVED BY G. BATCHELDER-ADAMS
DATE: START 2-17-86 FINISH
SURFACE ELEVATION 194.676

BOTTOM OF ABUT. NO. 1
FOOTING ELEV. 192.000

ESTIMATED PILE TIP
ELEVATION 186.29

METRIC ELEVATION (METERS)	DEPTH (FT)	BLOWS ON CASING	STANDARD PENETRATION	LIQUID LIMIT	PLASTIC INDEX	MOISTURE	COLOR	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
194.676								
			46			M	BR	A-2-4 SILTY SAND W=20.8%
	10		-					NO SAMPLE GR & BO.
190			-					CORED BO 14.5-15.5' NO SAMPLE
	20							NO SAMPLE
			39					NO SAMPLE
								TOP OF BEDROCK @ 27.5'
								LENGTH 3REC ROD
						RUN# 1		27.5-32.5 72 46%
						RUN# 2		32.5-37.5 90 40%
185	30							
								HOLE STOPPED @ 37.5' IN BEDROCK
	40					RUN# 1		QUARTZOSE PHYLLITE AND GRAPHITIC PHYLLITE, CORE IS UNWEATHERED AND SOFT.
						RUN# 2		QUARTZ-SERICITE SCHST AND QUARTZOSE PHYLLITE. THE ROCK IS UNWEATHERED, MODERATELY HARD AND COMPETENT.
180	50							
	60							
175								

MORRISTOWN F 029-1(2)

* HOLE NO. B-4 STA. 261+40 OFFSET 17.33
DRILLER MH,LG,TMM
LOG APPROVED BY G. BATCHELDER-ADAMS
DATE: START 6-1-87 FINISH
SURFACE ELEVATION 177.150 (RAFT DECK ELEVATION)

METRIC ELEVATION (METERS)	DEPTH (FT)	BLOWS 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 @ 6.5'
	10		---					NO SAMPLE
			6					NO SAMPLE
170	20		---					BXDC 19.0-23.0 BOULDER
			---					BXDC 23.0-27.0 BOULDER
165	30		---					BXDC 29.0-33.0 BOULDER
			R					NO SAMPLE BOULDER
	40							TOP OF BEDROCK @ 40.0'
160								SEE GEOLOGISTS REPORT BELOW
155	50							HOLE STOPPED @ 48.0' IN BEDROCK
								RUN LENGTH 3REC ROD
								1 40.0-45.0 96 42%
								2 45.0-48.0 43 15%
								ROCK CONSISTS OF DARK GRAY CARBONACEOUS PHYLLITE WITH QUARTZ VEINS ALONG AND CROSS CUTTING THE FOLIATION THE PHYLLITE IS SOFT TO MODERATELY HARD IN AREAS WHERE QUARTZ IS MORE ABUNDANT. THE ROCK IS COMPETENT IN-PLACE BUT BRITTLE IN CORES.
150	60							
	70							

* 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.

McFarland Johnson

PROJECT NAME: MORRISTOWN	
PROJECT NUMBER: STP F 029-1(2)C/1	
FILE NAME: zd082all.dgn	PLOT DATE: 29-MAR-2012
PROJECT LEADER: DMB	DRAWN BY:
DESIGNED BY: VTrans / S. Della	CHECKED BY: R. Joy
BORING LOG SHEET - 1	SHEET 65 OF 123