TIP # : B-2963
STATE PROJECT # : 8.2352201
FED PROJECT # : BRSTP-1107(4)
COUNTY : DURHAM
DATE STARTED : 6/2/98
DATE COMPLETED : 6/2/98
DRILL MACHINE : CME 550X
DRILL METHOD : HSA
GEOLOGIST/ENG : K. MORROW
SITE DESCRIPTION : BRIDGE NO. 111 ON SR 1107 OVER NEW HOPE CREEK

BORING # : EB2-A
COLLAR ELEVATION : 230.3 ft.
TOTAL DEPTH : 40.1 ft.
BORING LOCATION : STA. 26+11, -L-
OFFSET : 11.0 ft. Lt.
GROUND WATER : 12.7 ft. I.A.D. 12.4 ft. @ 24 HR.

CTL ENGINEERING INC. GEOTECHNICAL BORING LOG
DURHAM, NC CHARLOTTE, NC

ELEV.	DEPTH (ft)	BLOW COUNT 6"	6"	6"	BLOWS PER FOOT (0 20 40 60 80 100)	Wn / GW	SAM NO.	LOG	DESCRIPTION
					AUTOMATIC HAMMER				
235.0									GROUND SURFACE 230.3
230.0	1.1								
	3.8	4	4	4	8	11	SS-1		EMBANKMENT FILL - REDDISH-BROWN, MEDIUM STIFF, CLAYEY-SILT 227.3
225.0	8.8	1	1	2	3	M			EMBANKMENT FILL - REDDISH-BROWN, SOFT, SILTY-CLAY 220.7
220.0	13.8	1	1	2	3	32	SS-3		ALLUVIAL - GRAY-TAN-ORANGE, SOFT TO STIFF, SILTY-CLAY
215.0	18.8	2	2	4	6	W			
210.0	23.8	6	6	8	14	W			207.4
205.0	28.8	6	15	17	32	W			RESIDUAL - REDDISH-BROWN AND GRAY, HARD, CLAYEY-SANDY-SILT 203.0
200.0	33.8	27	50/3		100+	W			REDDISH - BROWN AND GRAY, SOFT WEATHERED ROCK (TRIASSIC SANDSTONE AND MUDSTONE)
195.0	38.8	100/5			100+				
190.0		42	11	89/4	100+				190.2
185.0									BORING TERMINATED AT ELEVATION 190.2 ft. IN SOFT WEATHERED ROCK (TRIASSIC SANDSTONE AND MUDSTONE)
180.0									
175.0									
170.0									
165.0									

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DRILL MACHINE : CME 550X
DRILL METHOD : HSA
GEOLOGIST/ENG : K. MORROW
SITE DESCRIPTION : BRIDGE NO. 111 ON SR 1107 OVER NEW HOPE CREEK

BORING # : EB2-B
COLLAR ELEVATION : 230.8 ft.
TOTAL DEPTH : 44.6 ft.
BORING LOCATION : STA. 26+11, -L-
OFFSET : 15.0 ft. Rt.
GROUND WATER : 12.9 ft. I.A.D. 12.3 ft. @ 24 HR.

CTL ENGINEERING INC. GEOTECHNICAL BORING LOG
DURHAM, NC CHARLOTTE, NC

ELEV.	DEPTH (ft)	BLOW COUNT 6"	6"	6"	BLOWS PER FOOT (0 20 40 60 80 100)	Wn / GW	SAM NO.	LOG	DESCRIPTION
					AUTOMATIC HAMMER				
235.0									GROUND SURFACE 230.8
230.0	1.0								
	4.0	7	8	6	14	M			EMBANKMENT FILL - TAN, STIFF, SANDY-SILT 228.3
225.0	9.0	4	5	6	11	M			EMBANKMENT FILL - REDDISH-BROWN, STIFF, SILTY-CLAY 221.9
220.0	14.0	1	1	1	2	24	SS-15		ALLUVIAL - GRAY-TAN-ORANGE, SOFT TO STIFF, SILTY-CLAY
215.0	19.0	2	4	6	10	W			
210.0	24.0	4	6	8	14	23	SS-17		207.6
205.0	29.0	7	22	36	58	W			RESIDUAL - REDDISH-BROWN, HARD, CLAYEY-SILT 198.0
200.0	34.0	14	23	35	58	W			REDDISH - BROWN AND GRAY, SOFT TO HARD WEATHERED ROCK (TRIASSIC SANDSTONE AND MUDSTONE)
195.0	39.0	49	51/1		100+				
190.0	44.0	100/5			100+				
185.0		65	35/1		100+				186.2
180.0									BORING TERMINATED AT ELEVATION 186.2 ft. IN SOFT WEATHERED ROCK (TRIASSIC SANDSTONE AND MUDSTONE)
175.0									
170.0									
165.0									