NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33131.1.1	**ID.** B-3522	**COUNTY** WAKE	**GEOLOGIST** E.C. CAMPBELL
SITE DESCRIPTION BRIDGE NO. 215 ON -L- (SR 1007, POOLE RD.) OVER BUFFALO CREEK			**GROUND WATER**
BORING NO. BI-B	**BORING LOCATION** 25+88	**OFFSET** 12' RT	**ALIGNMENT** -L-	**0 HR.** N/A
COLLAR ELEVATION 255.7'	**NORTHING** 737806	**EASTING** 2182804	**24 HR.** 2.2'
TOTAL DEPTH 18.3'	**DRILL MACHINE** MOBILE B-57	**DRILL METHOD** ROTARY WASH	**HAMMER TYPE** MANUAL
START DATE 1/13/04	**COMPLETION DATE** 1/13/04	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 5.4'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
255.0	0.0	1	2	1	1.0	X 3	SS-7	D		ALLUVIAL, TAN, SILTY SAND
	1.9	1	Ø	1	1.0	X 1	SS-8	W		LIGHT GRAY TO GRAY-GREEN, SANDY SILT
250.0	5.3	60			Ø.1	60/0.1" X	RS-1			CRYSTALLINE ROCK, PINK-WHITE-BLACK, FRESH, HARD TO VERY HARD, NO FRACTURES, GRANITE REC=100% RQD=100%
245.0										
240.0							RS-2			
235.0						CORING TERMINATED AT ELEVATION 237.4 FEET IN CRYSTALLINE ROCK (GRANITE)				
230.0										
225.0										
220.0										
215.0										
210.0										
205.0										
200.0										
195.0										
190.0										
185.0										
180.0										

CORE BORING REPORT

PROJECT: 33131.1.1 ID: B-3522 COUNTY: Wake BORING NO: B1-B

DESCRIPTION: Bridge No. 215 on -L- (SR 1007, Poole Road) over Buffalo Creek

LOCATION OF BORING: -L- Sta. 26+88, 12' RT COMPLETION DATE: 1/13/2004

COLLAR or GROUND ELEVATION: 255.7 ft CORE SIZE: NW GEOLOGIST: E. C. Campbell

CORE EQUIPMENT: Mobile B-57, NWD4 core barrel DRILLER: M. Moseley (SME, INC)

ELEV (ft)	DEPTH (ft)	DRILL RATE (min/ft)	RUN (ft)	REC (ft) (%)	RQD (ft) (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
250.3	5.4						Pink-white-black, fresh, very hard, no fractures, granite
		19:10		2.9	2.9	RS-1	
		19:05	2.9			5.4-6.3	
		18:57		(100%)	(100%)		
247.4	8.3						
247.4	8.3	4:47					Pink-white-black, fresh, hard, no fractures, granite
		7:17		5.0	5.0		
		9:07	5.0				
		10:05		(100%)	(100%)		
242.4	13.3	16:06					
242.4	13.3	11:15					Pink-white-black, fresh, hard, no fractures, granite
		19:20		5.0	5.0	RS-2	
		17:45	5.0			16.7-17.5	
		22:46		(100%)	(100%)		
237.4	18.3	10:45					
							BOREHOLE TERMINATED AT ELEVATION OF 237.4 FEET, IN GRANITE.