NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.2407701	**ID.** B-3530	**COUNTY** WAKE	**GEOLOGIST** J.L. LOVE/C.D. CZAJKA
SITE DESCRIPTION BRIDGE NO. 174 ON -L- (SR 2320, RILEY HILL RD.) OVER BUFFALO CREEK			**GROUND WATER**
BORING NO. EBI-A	**BORING LOCATION** 15+33	**OFFSET** 16' LT	**ALIGNMENT** -L-	**0 HR.** DRY
COLLAR ELEVATION 319.1'	**NORTHING** 768818	**EASTING** 2169625		**24 HR.** FIAD
TOTAL DEPTH 28.6'	**DRILL MACHINE** CME-550	**DRILL METHOD** H.S. AUGERS	**HAMMER TYPE** MANUAL	
START DATE 9/29/03	**COMPLETION DATE** 9/29/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 28.6'	

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
319.1										
315.0	3.5	2	3	4	1.0	X 7		D		ROADWAY EMBANKMENT, ORANGE-BROWN, SILTY SAND
310.0	8.5	1	1	1	1.0	X 2	SS-5	W		ALLUVIAL, GRAY, COARSE SAND
305.0	13.5	100			0.3	100+ X				WEATHERED ROCK (GRANITE)
300.0	18.5	100			0.5	100+ X				
295.0	23.5	100			0.4	100+ X				
290.0	28.5	60			0.1	60/0.1 X				
285.0						SPT REFUSAL AT ELEVATION 290.5 FEET ON CRYSTALLINE ROCK (GRANITE)				
280.0										
275.0										
270.0										
265.0										
260.0										
255.0										
250.0										
245.0										
240.0										

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SHEET 8

PROJECT NO. 8.2407701	**ID.** B-3530	**COUNTY** WAKE	**GEOLOGIST** J.L. LOVE/C.D. CZAJKA
SITE DESCRIPTION BRIDGE NO. 174 ON -L- (SR 2320, RILEY HILL RD.) OVER BUFFALO CREEK			**GROUND WATER**
BORING NO. EBI-B	**BORING LOCATION** 15+33	**OFFSET** 6' RT	**ALIGNMENT** -L-	**0 HR.** 7.2'
COLLAR ELEVATION 318.9'	**NORTHING** 768796	**EASTING** 2169623		**24 HR.** 5.6'
TOTAL DEPTH 10.5'	**DRILL MACHINE** CME-550	**DRILL METHOD** H.S. AUGERS	**HAMMER TYPE** MANUAL	
START DATE 9/29/03	**COMPLETION DATE** 9/29/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 10.5'	

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
318.9										
315.0	3.5	2	3	2	1.0	X 5		M		ROADWAY EMBANKMENT, BROWN TO ORANGE-BROWN, SILTY SAND
310.0	8.5	1	1	8	1.0	X 9	SS-4	W		ALLUVIAL, DARK GRAY, SANDY SILT
305.0						AUGER REFUSAL AT ELEVATION 308.4 FEET ON CRYSTALLINE ROCK (GRANITE)				WEATHERED ROCK (GRANITE)
300.0										
295.0										
290.0										
285.0										
280.0										
275.0										
270.0										
265.0										
260.0										
255.0										
250.0										
245.0										
240.0										