

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.2406201		ID. B-3375		COUNTY WAKE		GEOLOGIST J.L. LOVE									
SITE DESCRIPTION BRIDGE NO. 471 ON -L- (SR 1375) OVER LAKE WHEELER SPILLWAY							GROUND WATER								
BORING NO. EBI-A		BORING LOCATION 43+10		OFFSET 15' LT		ALIGNMENT -L-									
COLLAR ELEVATION 271.6'		NORTHING 707409		EASTING 2092585		0 HR. 11.7' 24 HR. 12.7'									
TOTAL DEPTH 41.5'		DRILL MACHINE CME-550		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC									
START DATE 2/13/03		COMPLETION DATE 2/13/03		SURFACE WATER DEPTH 41.5'		DEPTH TO ROCK 41.5'									
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100					
271.6															
270.0	4.3'	4	7	11	1.0										ROADWAY EMBANKMENT, RED-BROWN, SILTY SANDY CLAY WITH GRAVEL-SIZE QUARTZ FRAGMENTS
265.0	6.8'	8	9	11	1.0										
	9.3'	9	8	8	1.0										
260.0	11.8'	7	17	15	1.0										ARTIFICIAL FILL, ORANGE-BROWN, CLAYEY SAND WITH SOME GRAVEL-SIZE QUARTZ FRAGMENTS
	14.3'	1	1	2	1.0										
255.0	16.8'	1	1	2	1.0										RESIDUAL, TAN, COARSE SAND, SAPROLITIC
250.0	21.8'	1	2	3	1.0										
245.0	26.8'	3	7	7	1.0										TAN-GREEN AND PINK, SILTY SAND, SAPROLITIC
240.0	31.8'	3	6	11	1.0										
235.0	36.8'	40	30	70	0.7										WEATHERED ROCK, GRANITE
230.0															
225.0															
220.0															
215.0															
210.0															
205.0															
200.0															
195.0															

AUGER REFUSAL AT
ELEVATION 230.1 FEET
ON CRYSTALLINE ROCK
(GRANITE)