NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33024.1.	ID. B-3376	COUNTY WAKE	GEOLOGIST O.B. OTI
SITE DESCRIPTION BRIDGE NO. 246 ON -L- (SR 2564, CREECH RD.) OVER BIG BRANCH CREEK TRIB. NO. 1			GROUND WATER
BORING NO. EBI-B(DET)	BORING LOCATION 12+17.5	OFFSET 7.5m RT	ALIGNMENT -L DETOUR- / 0 HR. DRY
COLLAR ELEV. 69.50m	NORTHING 219467.6	EASTING 645738.5	24 HR. 3.25m
TOTAL DEPTH 3.94m	DRILL MACHINE CME-45	DRILL METHOD H.S. AUGER	HAMMER TYPE AUTOMATIC
START DATE 11/3/03	COMPLETION DATE 11/3/03	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 3.97m

ELEV.	DEPTH	BLOW COUNT 15cm	15cm	15cm	PEN. (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
69.50										
	1.30	10	4	3	0.30	7	SS-1	M		ROADWAY EMBANKMENT, ORANGE-BROWN, SANDY CLAY
68.00							SS-2	D		ALLUVIAL, ORANGE-BROWN, SILTY SAND
	2.82	14	14	15	0.30	29	SS-3	D		RESIDUAL, ORANGE TO DARK BROWN, SAPROLITIC, SILTY SAND
66.00	3.94	60			0.03	60/0.03				WEATHERED ROCK (GRANITE)
						AUGER REFUSAL AT ELEVATION 65.56 METERS ON CRYSTALLINE ROCK (GRANITE)				
64.00										
62.00										
60.00										
58.00										
56.00										
54.00										
52.00										
50.00										

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BRIDGE ROD LOG

PROJECT NO. 33024.1.1	ID. B-3376	COUNTY WAKE	GEOLOGIST O.B. OTI
SITE DESCRIPTION BRIDGE NO. 246 ON -L- (SR 2564, CREECH RD.) OVER BIG BRANCH CREEK TRIB. NO. 1			
BORING NO. EB2-A(DET)	BORING LOCATION 12+43.0	OFFSET 6.0m LT	ALIGNMENT -L DETOUR-
COLLAR ELEVATION 68.21m	START DATE 11/18/03	DRILL METHOD BRIDGE RODS	
TOTAL DEPTH 2.50m	COMPLETION DATE 11/18/03	NORTHING 219488.8	EASTING 645732.5

ELEV.	SOIL DESCRIPTION	DEPTH (meters)	BLOW COUNT 0.15m	0.15m	Total	BLOWS per METER (10 20 30 40 50 60 70 80 90 100)
68.21						
68.00			1	1	2	
			1	1	2	
			1	2	3	
			2	2	4	
			2	2	4	
			3	2	5	
		2.00	4	6	10	
			7	13	20	
			100			
66.00						
65.71						BRIDGE ROD REFUSAL AT ELEVATION 65.71 METERS ON RESIDUAL SOIL
		4.00				
64.00						
		6.00				
62.00						
		8.00				
60.00						
		10.00				
58.00						
		12.00				
56.00						
		14.00				
54.00						
		16.00				
52.00						
		18.00				
50.00						
		20.00				
48.00						