NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33024.1.1	**ID.** B-3376	**COUNTY** WAKE	**GEOLOGIST** C.D. CZAJKA
SITE DESCRIPTION BRIDGE NO. 246 ON -L- (SR 2564, CREECH RD.) OVER BIG BRANCH CREEK TRIB. NO. 1			**GROUND WATER**
BORING NO. EB2-A	**BORING LOCATION** 13+06.0	**OFFSET** 4.9m LT	**ALIGNMENT** -L-	**0 HR.** 5.00m
COLLAR ELEV. 71.09m	**NORTHING** 219488.5	**EASTING** 645757.6	**24 HR.** 3.95m
TOTAL DEPTH 7.70m	**DRILL MACHINE** CME-45	**DRILL METHOD** H.S. AUGER	**HAMMER TYPE** AUTOMATIC
START DATE 11/4/03	**COMPLETION DATE** 11/4/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 7.70m

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
71.09										
70.00	1.24	WOH	1	1	0.30	X 2		W		ROADWAY EMBANKMENT, ORANGE-BROWN, SANDY CLAY
	2.00	1	1	1	0.30	X 2		M		
	2.76	1	1	1	0.30	X 2	SS-6	M		ORANGE-BROWN, SILTY CLAY
68.00	3.52	1	2	1	0.30	X 3	SS-7	W ▼		ALLUVIAL, DARK GRAY, CLAYEY SAND
	4.28	1	1	2	0.30	X 3	SS-8	M M		
66.00	5.04	7	16	18	0.30	X 34	SS-9	D		RESIDUAL, BLUEISH-GREEN, DARK BLUE, AND ORANGE, SAPROLITIC, SILTY SAND
	5.80	7	10	13	0.30	X 23		D		
	6.56	8	27	73	0.24	100/0.24 X				
64.00	7.32	19	26	74	0.23	100/0.23 X				WEATHERED ROCK (GRANITE)
62.00						SPT REFUSAL AT ELEVATION 63.39 METERS ON CRYSTALLINE ROCK (GRANITE)				
60.00										
58.00										
56.00										
54.00										
52.00										

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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			**GROUND WATER**
BORING NO. EB2-B	**BORING LOCATION** 13+06.0	**OFFSET** 4.3m RT	**ALIGNMENT** -L-	**0 HR.** 6.70m
COLLAR ELEV. 71.18m	**NORTHING** 219484.5	**EASTING** 645765.9	**24 HR.** 6.03m
TOTAL DEPTH 7.44m	**DRILL MACHINE** CME-45	**DRILL METHOD** H.S. AUGER	**HAMMER TYPE** AUTOMATIC
START DATE 11/4/03	**COMPLETION DATE** 11/4/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 7.44m

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
71.18										
70.00	1.29	2	2	2	0.30	X 4	SS-10	M		ROADWAY EMBANKMENT, TAN-BROWN, SILTY SAND
68.00	2.81	1	2	2	0.30	X 4	SS-11	M		TAN-BROWN, SILTY CLAY
	4.33	1	1	1	0.30	X 2	SS-12	M		ALLUVIAL, GRAY, SAND CLAY
66.00	5.85	6	8	6	0.30	X 14	SS-13	M ▼		RESIDUAL, GRAY-BROWN, SILTY SAND
64.00	7.37	100			0.07	100/0.07 X		D		WEATHERED ROCK (GRANITE)
62.00						AUGER REFUSAL AT ELEVATION 63.74 METERS ON CRYSTALLINE ROCK (GRANITE)				
60.00										
58.00										
56.00										
54.00										
52.00										