NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33243.1.1	ID. B-3703	COUNTY WAKE	GEOLOGIST O. B. OTI
SITE DESCRIPTION BRIDGE NO. 317 ON -L- (SR 1404, JOHNSON POND ROAD) OVER MIDDLE CREEK			GROUND WATER
BORING NO. EBI-A	BORING LOCATION 17+44	OFFSET 16' LT	ALIGNMENT -L- / 0 HR. 12.3'
COLLAR ELEVATION 272.2'	NORTHING 688748	EASTING 2076490	24 HR. 8.0'
TOTAL DEPTH 43.5'	DRILL MACHINE CME-45C	DRILL METHOD H.S. AUGERS	HAMMER TYPE AUTOMATIC
START DATE 11/26/03	COMPLETION DATE 11/26/03	SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A

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
272.2										
270.0	2.0	1	2	2	1.0	X 4		M		ROADWAY EMBANKMENT, BROWN, MODERATELY PLASTIC, SILTY CLAY
265.0	7.0	1	1	3	1.0	X 4		M ▼		ALLUVIAL, GRAY, CLAYEY SAND WITH GRAVEL
260.0	12.0	3	8	6	1.0	X 14	SS-8	M		RESIDUAL, BROWN AND GRAY, SAPROLITIC, SLIGHTLY TO MODERATELY PLASTIC, SILTY CLAY
255.0	17.0	7	11	15	1.0	X 26		M		
250.0	22.0	8	13	22	1.0	X 35		M		
245.0	27.0	26	52	48	0.8	100+ X				WEATHERED ROCK (SCHIST)
240.0	32.0	16	60	40	0.7	100+ X				
235.0	37.0	28	54	46	0.8	100+ X				
230.0	42.0	21	32	53	1.0	85 X		M		BROWN-GRAY, SAPROLITIC, SANDY SILT
225.0						BORING TERMINATED AT ELEVATION 228.7 FEET IN RESIDUAL SANDY SILT				
220.0										
215.0										
210.0										
205.0										
200.0										
195.0										

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SITE DESCRIPTION BRIDGE NO. 317 ON -L- (SR 1404, JOHNSON POND ROAD) OVER MIDDLE CREEK			GROUND WATER
BORING NO. EBI-B	BORING LOCATION 17+44	OFFSET 12' RT	ALIGNMENT -L- / 0 HR. 11.5'
COLLAR ELEVATION 271.9'	NORTHING 688738	EASTING 2076516	24 HR. 8.7'
TOTAL DEPTH 48.4'	DRILL MACHINE CME-45C	DRILL METHOD H.S. AUGERS	HAMMER TYPE AUTOMATIC
START DATE 11/24/03	COMPLETION DATE 11/25/03	SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A

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
271.9										
270.0	1.9	2	1	3	1.0	X 4	SS-1	19%		ROADWAY EMBANKMENT, BROWN, MODERATELY PLASTIC, SILTY CLAY
265.0	6.9	1	0	1	1.0	X 1	SS-2	W ▼		ALLUVIAL, BROWN, SANDY SILT
260.0	11.9	3	6	8	1.0	X 14	SS-3	M		RESIDUAL, BROWN-GRAY, CLAYEY SILT
255.0	16.9	10	10	16	1.0	X 26	SS-4	M		BROWN-GRAY, SAPROLITIC, SLIGHTLY TO MODERATELY PLASTIC, SILTY CLAY
250.0	21.9	3	7	11	1.0	X 18	SS-5	24%		
245.0	26.9	6	16	25	1.0	X 41	SS-6	M		BROWN-GRAY, SAPROLITIC, CLAYEY SILT
240.0	31.9	25	47	53	0.8	100+ X				WEATHERED ROCK (SCHIST)
235.0	36.9	20	25	26	1.0	51 X	SS-7	M		BROWN-GRAY, SAPROLITIC, SANDY SILT
230.0	41.9	45	50	50	0.9	100+ X				WEATHERED ROCK (SCHIST)
225.0	46.9	19	30	32	1.0	62 X		M		BROWN-GRAY, SAPROLITIC, SANDY SILT
220.0						BORING TERMINATED AT ELEVATION 223.5 FEET IN RESIDUAL SANDY SILT				
215.0										
210.0										
205.0										
200.0										
195.0										