

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. B2-A		BORING LOCATION 18+42		OFFSET 8' LT		ALIGNMENT -L-	
COLLAR ELEVATION 261.3'		NORTHING 688836		EASTING 2076534		24 HR. N/A	
TOTAL DEPTH 53.9'		DRILL MACHINE CME-45C		DRILL METHOD N CASING, WASH		HAMMER TYPE AUTOMATIC	
START DATE 12/09/03		COMPLETION DATE 12/11/03		SURFACE WATER DEPTH 2.3'		DEPTH TO ROCK N/A	
ELEV.	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5 0.5 0.5	0	25 50 75 100		MOI.	
							WATER SURFACE 12/03
261.3	0.0	5	6	6	1.0	X12	ALLUVIAL, BROWN-GRAY, SILTY, COARSE SAND WITH GRAVEL
260.0	2.4	6	8	9	1.0	X17	
255.0	7.4	4	8	10	1.0	X18	RESIDUAL, BROWN-GRAY, MODERATELY PLASTIC, SILTY CLAY
250.0	12.4	13	15	17	1.0	X32	
245.0	17.4	3	4	5	1.0	X9	RESIDUAL, BROWN-GRAY, MODERATELY PLASTIC, SILTY CLAY
240.0	22.4	10	20	25	1.0	X45	
235.0	27.4	21	26	40	1.0	X66	RESIDUAL, BROWN-GRAY, MODERATELY PLASTIC, SILTY CLAY
230.0	32.4	14	36	64	0.9	100+ X	
225.0	37.4	22	78		0.9	100+ X	WEATHERED ROCK (SCHIST)
220.0	42.4	25	60	40	0.7	100+ X	
215.0	47.4	24	38	62	0.8	100+ X	WEATHERED ROCK (SCHIST)
210.0	52.4	16	23	53	1.0	X76	
205.0							BORING TERMINATED AT ELEVATION 207.4 FEET IN RESIDUAL SILTY CLAY
200.0							
195.0							
190.0							
185.0							

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SITE DESCRIPTION BRIDGE NO. 317 ON -L- (SR 1404, JOHNSON POND ROAD) OVER MIDDLE CREEK							GROUND WATER
BORING NO. B2-B		BORING LOCATION 18+42		OFFSET 7' RT		ALIGNMENT -L-	
COLLAR ELEVATION 261.7'		NORTHING 688830		EASTING 2076548		24 HR. N/A	
TOTAL DEPTH 37.6'		DRILL MACHINE CME-45C		DRILL METHOD N CASING, WASH		HAMMER TYPE AUTOMATIC	
START DATE 12/12/03		COMPLETION DATE 12/15/03		SURFACE WATER DEPTH 2.4'		DEPTH TO ROCK N/A	
ELEV.	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5 0.5 0.5	0	25 50 75 100		MOI.	
							WATER SURFACE 12/03
261.7							ALLUVIAL, BROWN-GRAY, SILTY, COARSE SAND WITH GRAVEL
260.0	2.0	6	9	13	1.0	X22	
255.0	7.0	10	17	22	1.0	X39	RESIDUAL, BROWN-GRAY, MODERATELY PLASTIC, SILTY CLAY
250.0	12.0	5	12	18	1.0	X30	
245.0	17.0	7	12	17	1.0	X29	RESIDUAL, BROWN-GRAY, MODERATELY PLASTIC, SILTY CLAY
240.0	22.0	7	13	18	1.0	X31	
235.0	27.0	8	14	18	1.0	X32	RESIDUAL, BROWN-GRAY, MODERATELY PLASTIC, SILTY CLAY
230.0	32.0	65	35		0.7	100+ X	
225.0	37.0	74	26		0.6	100+ X	WEATHERED ROCK (SCHIST)
220.0							
215.0							
210.0							
205.0							
200.0							
195.0							
190.0							
185.0							