

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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SHEET 11 OF 14

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. EB2-A		BORING LOCATION 18+91		OFFSET 13' LT		ALIGNMENT -L-										
COLLAR ELEVATION 271.5'		NORTHING 688883		EASTING 2076549		24 HR. 8.0'										
TOTAL DEPTH 50.0'		DRILL MACHINE CME-45C		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC										
START DATE 12/01/03		COMPLETION DATE 12/01/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A										
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						
271.5																
270.0	4.2	2	2	2	1.0	X 4						SS-9	M		ROADWAY EMBANKMENT, BROWN-RED, HIGHLY PLASTIC, SILTY CLAY	
265.0	9.2	2	4	4	1.0	X 8						SS-10	W		ALLUVIAL, BROWN-GRAY, FINE SAND WITH GRAVEL	
260.0	14.2	3	4	4	1.0	X 8						SS-11	19%			
255.0	19.2	3	7	10	1.0	X 17							W			
250.0	24.2	5	11	18	1.0	X 29						SS-12	W		RESIDUAL, BROWN-GRAY, SLIGHTLY TO MODERATELY PLASTIC, SILTY CLAY	
245.0	29.2	11	28	39	1.0	X 67						SS-13	W			
240.0	34.2	17	50	50	0.8	100+ X										
235.0	39.2	26	58	42	0.7	100+ X										
230.0	44.2	40	60		0.8	100+ X									WEATHERED ROCK (SCHIST)	
225.0	49.2	50	50		0.8	100+ X										
220.0	BORING TERMINATED AT ELEVATION 221.5 FEET IN WEATHERED ROCK (SCHIST)															
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. EB2-B		BORING LOCATION 18+91		OFFSET 14' RT		ALIGNMENT -L-										
COLLAR ELEVATION 271.5'		NORTHING 688872		EASTING 2076574		24 HR. 8.0'										
TOTAL DEPTH 39.7'		DRILL MACHINE CME-45C		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC										
START DATE 12/02/03		COMPLETION DATE 12/02/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A										
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						
271.5																
270.0	4.2	1	2	2	1.0	X 4							M		ROADWAY EMBANKMENT, BROWN-RED, HIGHLY PLASTIC, SILTY CLAY	
265.0	9.2	5	11	11	1.0	X 22							M		ALLUVIAL, BROWN-GRAY, FINE SAND WITH GRAVEL	
260.0	14.2	8	16	21	1.0	X 37							M			
255.0	19.2	11	27	40	1.0	X 67							M		RESIDUAL, BROWN-GRAY, SLIGHTLY TO MODERATELY PLASTIC, SILTY CLAY	
250.0	24.2	21	34	66	0.9	100+ X										
245.0	29.2	30	57	43	0.6	100+ X										
240.0	34.2	60	40		0.7	100+ X									WEATHERED ROCK (SCHIST)	
235.0	39.2	100			0.5	100+ X										
230.0	BORING TERMINATED AT ELEVATION 231.8 FEET IN WEATHERED ROCK (SCHIST)															
225.0																
220.0																
215.0																
210.0																
205.0																
200.0																
195.0																