

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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SHEET 10

PROJECT NO. 8.T540402	ID. R-2417BB	COUNTY LEE	GEOLOGIST E.C. CAMPBELL
SITE DESCRIPTION STRUCTURE NO. 1 ON -YI- (SR 1524, O'QUINN RD.) OVER -L- (SANFORD BYPASS, US 421/NC 87)			GROUND WATER
BORING NO. EB2-A	BORING LOCATION 21+38	OFFSET 16' LT	ALIGNMENT -YI-
COLLAR ELEVATION 431.7'	NORTHING 626599	EASTING 1963760	24 HR. 29.2'

TOTAL DEPTH 54.6'	DRILL MACHINE CME-45C	DRILL METHOD MUD ROTARY	HAMMER TYPE AUTOMATIC
START DATE 9/10/03	COMPLETION DATE 9/10/03	SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOL. %	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'		0	25	50	75				
431.7	3.1	9	12	15	1.0								COASTAL PLAIN, ORANGE-BROWN TO RED-BROWN, SILTY CLAY
425.0	8.1	5	7	9	1.0								
420.0	13.1	3	4	5	1.0								
415.0	18.1	4	5	7	1.0								
410.0	23.1	3	4	6	1.0								RESIDUAL, LIGHT GRAY AND PINK-TAN, SAPROLITIC, SANDY SILT
405.0	28.1	4	4	6	1.0								RED-BROWN, SAPROLITIC, SILTY CLAY
400.0	33.1	4	5	9	1.0								LIGHT GRAY, SAPROLITIC, CLAYEY SILT
395.0	38.1	11	15	22	1.0								BLACK, TAN, AND PINK, SAPROLITIC, SILTY SAND
390.0	43.1	10	16	20	1.0								ORANGE-BROWN, BLACK, TAN, AND PINK, SAPROLITIC, SANDY SILT
385.0	48.1	16	18	24	1.0								
380.0	53.1	19	31	40	1.0								
375.0	BORING TERMINATED AT ELEVATION 377.7 FEET IN SANDY SILT												

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SITE DESCRIPTION STRUCTURE NO. 1 ON -YI- (SR 1524, O'QUINN RD.) OVER -L- (SANFORD BYPASS, US 421/NC 87)			GROUND WATER
BORING NO. EB2-B	BORING LOCATION 21+22	OFFSET 19' RT	ALIGNMENT -YI-
COLLAR ELEVATION 431.7'	NORTHING 626622	EASTING 1963729	24 HR. 29.1'

TOTAL DEPTH 54.0'	DRILL MACHINE CME-45C	DRILL METHOD MUD ROTARY	HAMMER TYPE AUTOMATIC
START DATE 9/11/03	COMPLETION DATE 9/11/03	SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOL. %	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'		0	25	50	75				
431.7	3.1	10	15	17	1.0								COASTAL PLAIN, RED-BROWN AND ORANGE, SILTY CLAY
425.0	8.1	6	8	10	1.0								
420.0	13.1	5	5	7	1.0								
415.0	18.1	4	4	6	1.0								
410.0	23.1	5	5	6	1.0								RESIDUAL, LIGHT GRAY, TAN, ORANGE-BROWN, PINK AND BLACK, SAPROLITIC, SANDY SILT
405.0	28.1	3	5	7	1.0								
400.0	33.1	8	10	16	1.0								
395.0	38.1	15	20	27	1.0								
390.0	43.1	10	25	30	1.0								
385.0	48.1	38	43	40	1.0								
380.0	53.1	45	55	0.9									
375.0	BORING TERMINATED AT ELEVATION 377.7 FEET IN WEATHERED ROCK (BIOTITE GNEISS)												