NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.T540402	**ID.** R-2417BB	**COUNTY** LEE	**GEOLOGIST** C.D. CZAJKA
SITE DESCRIPTION DUAL BRIDGES ON -L- (US 421 BYPASS) OVER -Y3- (NC 42) AND -RXR- (A&W RAILWAY)			**GROUND WATER**
BORING NO. BI-C	**BORING LOCATION** 566+04	**OFFSET** 31' LT	**ALIGNMENT** -L-
COLLAR ELEVATION 433.2'	**NORTHING** 622502	**EASTING** 1964778	**0 HR.** N/A
			24 HR. 7.0'
TOTAL DEPTH 58.6'	**DRILL MACHINE** CME-850	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 9/17/03	**COMPLETION DATE** 9/17/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 58.6'

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
433.2										
430.0	3.5	2	3	7	1.0	10		M		COASTAL PLAIN, ORANGE-RED, RED-GRAY, AND GRAY, HIGHLY PLASTIC, SILTY CLAY
425.0	8.5	4	6	9	1.0	15	SS-16	W		
420.0	13.5	3	4	7	1.0	11	SS-17	W		
415.0	18.5	3	4	4	1.0	8		W		ORANGE-RED, RED-GRAY, AND GRAY, SLIGHTLY PLASTIC, CLAYEY SAND
410.0	23.5	5	7	10	1.0	17		W		ORANGE-BROWN AND GRAY-WHITE, HIGHLY PLASTIC, CLAYEY SAND
405.0	28.5	3	4	6	1.0	10		W		
400.0	33.5	3	3	8	1.0	11	SS-18	W		RESIDUAL, ORANGE-BROWN, HIGHLY PLASTIC, SILTY CLAY
395.0	38.5	6	11	15	1.0	26		W		GREEN-GRAY AND BROWN, SAPROLITIC, SILTY SAND
390.0	43.5	8	12	17	1.0	29		W		
385.0	48.5	23	77		0.9	100+				WEATHERED ROCK (GNEISS)
380.0	53.5	14	25	75	0.8	100+				
375.0	58.5	60			0.1	60/0.1				
370.0						SPT REFUSAL AT ELEVATION 374.6 FEET ON CRYSTALLINE ROCK (GNEISS)				
365.0										
360.0										
355.0										

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SITE DESCRIPTION DUAL BRIDGES ON -L- (US 421 BYPASS) OVER -Y3- (NC 42) AND -RXR- (A&W RAILWAY)			**GROUND WATER**
BORING NO. BI-B	**BORING LOCATION** 566+03	**OFFSET** 77' RT	**ALIGNMENT** -L-
COLLAR ELEVATION 433.4'	**NORTHING** 622521	**EASTING** 1964672	**0 HR.** N/A
			24 HR. 13.0'
TOTAL DEPTH 53.9'	**DRILL MACHINE** CME-850	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 9/22/03	**COMPLETION DATE** 9/22/03	**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
433.4										
430.0	3.5	3	3	5	1.0	8		M		COASTAL PLAIN, ORANGE-BROWN, ORANGE-RED, AND GRAY, HIGHLY PLASTIC, SILTY CLAY
425.0	8.5	4	8	9	1.0	17		M		
420.0	13.5	3	5	5	1.0	10		W		
415.0	18.5	4	4	5	1.0	9		W		ORANGE-RED, RED-GRAY, AND GRAY, SLIGHTLY TO MODERATELY PLASTIC, CLAYEY SAND
410.0	23.5	3	3	5	1.0	8	SS-19	W		
405.0	28.5	5	6	9	1.0	15		W		ORANGE-BROWN, HIGHLY PLASTIC, CLAYEY SAND
400.0	33.5	2	5	13	1.0	18	SS-20	W		RESIDUAL, ORANGE-BROWN AND GRAY, HIGHLY PLASTIC, SILTY CLAY
395.0	38.5	5	8	11	1.0	19		W		GREEN-GRAY, SAPROLITIC, SILTY SAND
390.0	43.5	11	18	42	1.0	60		W		
385.0	48.5	100			0.4	100+				WEATHERED ROCK (GNEISS)
380.0	53.5	100			0.4	100+				
375.0						BORING TERMINATED AT ELEVATION 379.5 FEET IN WEATHERED ROCK (GNEISS)				
370.0										
365.0										
360.0										
355.0										