

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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SHEET 8

PROJECT NO. 33568.I.I		ID. B-4224		COUNTY PENDER/DUPLIN		GEOLOGIST J.L. STONE							
SITE DESCRIPTION BRIDGE NO. 63 OVER DOCTORS CREEK ON SR 1305 AND SR 1155							GROUND WATER						
BORING NO. BI-A		BORING LOCATION 17+40		OFFSET 7.0' LT		ALIGNMENT -L-							
COLLAR ELEVATION 32.4'		NORTHING 0.00		EASTING 0.00		24 HR. ARTESIAN							
TOTAL DEPTH 47.5'		DRILL MACHINE CME-550		DRILL METHOD ROTARY W/MUD		HAMMER TYPE MANUAL							
START DATE 3/9/05		COMPLETION DATE 3/9/05		SURFACE WATER DEPTH		DEPTH TO ROCK							
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG MOI. G	SOIL AND ROCK DESCRIPTION	
		0.5'	1.0'	1.5'		0	25	50	75				100
32.4	0.0	3	3	2	1.0	X 5							TAN ORANGE, SANDY CLAY, WET (ALLUVIUM)
30.0	6.0	3	4	7	1.0	X 11							DARK GRAY, SANDY CLAY, WET (PEEDEE FORMATION)
25.0	9.8	4	4	6	1.0	X 10							GREEN, CLAYEY FINE TO COARSE SAND, SAT.
20.0	14.8	5	5	8	1.0	X 13							GREEN, FINE TO COARSE SAND, SAT.
15.0	19.8	11	11	18	1.0	X 29							LIMESTONE, SATURATED
10.0	24.8	15	17	29	1.0	X 46							GREEN, SANDY CLAY, WET
5.0	29.8	60			0.0					100+ X			CALCAREOUS SANDSTONE WITH SOME SAND LAYERS
0.0	34.8	10	19	29	1.0	X 48							GREEN, SILTY SANDY CLAY, WET
-5.0	39.8	9	10	16	1.0	X 26							LIMESTONE WITH SOME CLAY LAYERS, WET
-10.0	44.8	26	29	71	0.7					100+ X			
-15.0	47.5	60			0.0					100+ X			
TRICONE REFUSAL AT ELEVATION -15.1' ON SANDSTONE													

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SITE DESCRIPTION BRIDGE NO. 63 OVER DOCTORS CREEK ON SR 1305 AND SR 1155							GROUND WATER						
BORING NO. BI-B		BORING LOCATION 17+40		OFFSET 20.0' RT		ALIGNMENT -L-							
COLLAR ELEVATION 34.6'		NORTHING 0.00		EASTING 0.00		24 HR. ARTESIAN							
TOTAL DEPTH 60.2'		DRILL MACHINE CME-550		DRILL METHOD ROTARY W/MUD		HAMMER TYPE MANUAL							
START DATE 3/8/05		COMPLETION DATE 3/8/05		SURFACE WATER DEPTH		DEPTH TO ROCK							
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG MOI. G	SOIL AND ROCK DESCRIPTION	
		0.5'	1.0'	1.5'		0	25	50	75				100
34.6	0.0	1	2	3	1.0	X 5							TAN BROWN, SILTY FINE SAND, MOI. TO SAT. (ALLUVIUM)
30.0	5.0	5	6	9	1.0	X 15							DARK GRAY, CLAYEY FINE TO COARSE SAND, SAT. (PEEDEE FORMATION)
25.0	8.8	4	3	7	1.0	X 10							DARK GRAY-GREEN, SANDY CLAY, WET
20.0	13.8	5	29	71	0.9					100+ X			LIMESTONE, SATURATED
15.0	18.8	8	10	13	1.0	X 23							GREEN, FINE TO COARSE SAND, SAT.
10.0	23.8	12	13	19	1.0	X 32							GREEN, SANDY CLAY, WET
5.0	28.8	17	12	11	1.0	X 23							LIMESTONE WITH SOME SAND LAYERS, SATURATED
0.0	33.8	9	16	27	1.0	X 43							GREEN, SILTY SANDY CLAY, WET
-5.0	38.8	11	18	22	1.0	X 40							LIMESTONE WITH SOME SAND LAYERS, SATURATED
-10.0	43.8	8	15	18	1.0	X 33							GREEN, SANDY CLAY, WET
-15.0	48.8	16	44	56	0.8					100+ X			GREEN, SANDY CLAY, WET
-20.0	53.8	40	60		0.9					100+ X			GREEN, SILTY SANDY CLAY, WET
-25.0	58.8	10	12	88	0.9					100+ X			LIMESTONE WITH SOME CLAY LAYERS, WET
BORING TERMINATED AT ELEVATION -25.6' IN LIMESTONE													