

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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SHEET 13

PROJECT NO. 33198.1.1		ID. B-3652		COUNTY GUILFORD		GEOLOGIST O.B. OTI											
SITE DESCRIPTION BRIDGE NO. 20 ON -L- (SR 412) OVER DEEP RIVER							GROUND WATER										
BORING NO. EBI-A(DET)		BORING LOCATION 15+45		OFFSET 2' LT		ALIGNMENT -DET-											
COLLAR ELEVATION 734.5'		NORTHING 817550		EASTING 1720205		24 HR. 14.8'											
TOTAL DEPTH 19.5'		DRILL MACHINE CME-550		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC											
START DATE 4/2/04		COMPLETION DATE 4/2/04		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 19.5'											
ELEV.	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							
734.5	1.8	1	2	2	1.0	X 4									SS-1	M	RESIDUAL, TAN-BROWN, SANDY CLAY
730.0	6.8	2	2	2	1.0	X 4									M		
725.0	11.8	3	4	5	1.0	X 9									SS-2	M	
720.0	16.8	2	7	13	1.0	X 20									SS-3	M	
715.0	AUGER REFUSAL AT ELEVATION 715.0 FEET ON CRYSTALLINE ROCK (GRANITE)																

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SITE DESCRIPTION BRIDGE NO. 20 ON -L- (SR 412) OVER DEEP RIVER							GROUND WATER										
BORING NO. EB2-C(DET)		BORING LOCATION 17+20		OFFSET CL		ALIGNMENT -DET-											
COLLAR ELEVATION 725.8'		NORTHING 817537		EASTING 1720380		24 HR. 14.0'											
TOTAL DEPTH 29.1'		DRILL MACHINE CME-550		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC											
START DATE 5/6/04		COMPLETION DATE 5/6/04		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 29.1'											
ELEV.	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							
725.8	4.0	1	2	2	1.0	X 4									SS-18	M	RESIDUAL, TAN-BROWN, SANDY CLAY
720.0	9.0	13	16	16	1.0	X 32									SS-19	M	
715.0	14.0	8	24	33	1.0	X 57									SS-20	▼	TAN-BROWN, SAPROLITIC, SANDY SILT
710.0	19.0	36	33	33	1.0	X 66									M		
705.0	24.0	100			0.4	100+ X											WEATHERED ROCK (METAVOLCANIC)
700.0	29.0	60			0.1	60/0.1 X											
695.0	AUGER REFUSAL AT ELEVATION 696.7 FEET ON CRYSTALLINE ROCK (METAVOLCANIC)																