

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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 GEOTECHNICAL UNIT BORING LOG

SHEET 11 OF 13

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. EB2-A		BORING LOCATION 567+05		OFFSET 79' LT		ALIGNMENT -L-								
COLLAR ELEVATION 435.7'		NORTHING 622394		EASTING 1964808		24 HR. 15.0'								
TOTAL DEPTH 56.0'		DRILL MACHINE CME-850		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC								
START DATE 9/23/03		COMPLETION DATE 9/23/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 53.5'								
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	1.0'	1.5'		0	25	50	75					100
435.7	3.5	3	5	8	1.0									
435.0	8.5	2	4	4	1.0									
430.0	13.5	3	5	6	1.0									
425.0	18.5	4	5	7	1.0									
420.0	23.5	3	4	5	1.0									
415.0	28.5	4	7	6	1.0									
410.0	33.5	7	9	5	1.0									
405.0	38.5	5	10	9	1.0									
400.0	43.5	11	21	34	1.0									
395.0	48.5	10	32	37	1.0									
390.0	53.5	60			0.0									
385.0	TRICONE REFUSAL AT ELEVATION 379.7 FEET IN CRYSTALLINE ROCK (GNEISS)													
380.0	CRYSTALLINE ROCK (GNEISS)													

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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. EB2-B		BORING LOCATION 567+05		OFFSET 79' RT		ALIGNMENT -L-								
COLLAR ELEVATION 436.2'		NORTHING 622421		EASTING 1964652		24 HR. 7.8'								
TOTAL DEPTH 58.6'		DRILL MACHINE CME-850		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC								
START DATE 9/22/03		COMPLETION DATE 9/23/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 58.6'								
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	1.0'	1.5'		0	25	50	75					100
436.2	3.5	3	5	8	1.0									
435.0	8.5	4	5	8	1.0									
430.0	13.5	3	6	7	1.0									
425.0	18.5	3	2	3	1.0									
420.0	23.5	2	3	4	1.0									
415.0	28.5	4	6	8	1.0									
410.0	33.5	3	5	8	1.0									
405.0	38.5	3	6	7	1.0									
400.0	43.5	7	10	11	1.0									
395.0	48.5	7	16	37	1.0									
390.0	53.5	100			0.3									
385.0	58.5	60			0.1									
380.0	SPT REFUSAL AT ELEVATION 377.6 FEET ON CRYSTALLINE ROCK (GNEISS)													
375.0	CRYSTALLINE ROCK (GNEISS)													