

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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PROJECT NO 8.2852001			ID B-3419		COUNTY BURKE			GEOLOGIST TB DANIEL						
SITE DESCRIPTION BRIDGE NO.46 OVER CATAWBA RIVER ON SR.1223										GND WATER				
BORING NO EB1-A			NORTHING 0.00			EASTING 0.00			0 HR 6.20ft					
ALIGNMENT -L-			BORING LOCATION 19+14.000			OFFSET 20.00ft LT			24 HR 9.00ft					
COLLAR ELEV 1070.50ft			TOTAL DEPTH 35.00ft		START DATE 3/11/03		COMPLETION DATE 03/11/03							
DRILL MACHINE CME-550X				DRILL METHOD SPT CASING BORING				HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH N/A				DEPTH TO ROCK N/A				Log EB1-A, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
1070.50														Ground Surface
	4.90	8	3	97	0.9					100				FILL: BOULDERS, COBBLES AND SAND, MOI.
1060.00	9.90	3	4	6	1.0	10								ALLUVIUM: TAN SILTY FINE SAND WITH GRAVEL, MOI. TO SAT.
	14.90	95	5		0.5					100				WEATHERED ROCK
1050.00	19.90	50			0.3					50				WEATHERED ROCK WITH THIN ZONES OF CRYSTALLINE ROCK
	24.90	47	53		0.7					100				WEATHERED ROCK WITH THIN ZONES OF CRYSTALLINE ROCK
1040.00	29.90	100			0.3					100				WEATHERED ROCK WITH THIN ZONES OF CRYSTALLINE ROCK
1035.50	34.90	60			0.0					60				CRYSTALLINE ROCK
						BORING TERMINATED IN CRYSTALLINE ROCK AT A DEPTH OF 35.0 FEET								

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SITE DESCRIPTION BRIDGE NO.46 OVER CATAWBA RIVER ON SR.1223										GND WATER				
BORING NO EB1-B			NORTHING 0.00			EASTING 0.00			0 HR N/A					
ALIGNMENT -L-			BORING LOCATION 19+38.000			OFFSET 23.00ft RT			24 HR N/A					
COLLAR ELEV 1068.70ft			TOTAL DEPTH 28.70ft		START DATE 5/28/03		COMPLETION DATE 05/28/03							
DRILL MACHINE CME-550X				DRILL METHOD SPT CASING BORING				HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH N/A				DEPTH TO ROCK N/A				Log EB1-B, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
1068.70														Ground Surface
	3.70	8	5	4	1.0					9				FILL: COBBLES, BOULDERS AND SAND, MOIST
1060.00	8.70	4	28	26	1.0									ALLUVIUM: GREY SILTY FINE SAND WITH BASAL GRAVEL, MOI. TO SAT.
	13.70	50			0.3					54				SAPROLITE: SILTY SAND, SAT., GRADES TO WEATHERED ROCK
1050.00	18.70	50			0.1					50				WEATHERED ROCK WITH THIN ZONES OF CRYSTALLINE ROCK
	23.70	50			0.3					50				WEATHERED ROCK WITH THIN ZONES OF CRYSTALLINE ROCK
1040.00														CRYSTALLINE ROCK
						BORING TERMINATED IN CRYSTALLINE ROCK AT A DEPTH OF 28.7 FEET								