

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG**

PROJECT NO 8.1711401		ID B-4010		COUNTY ASHE		GEOLOGIST L. L. ACKER						
SITE DESCRIPTION BR. 7 ON NC 163 OVER S. FORK NEW RIVER							GND WATER					
BORING NO EB2-B		NORTHING 0.00		EASTING 0.00		0 HR 10.40ft						
ALIGNMENT -L-		BORING LOCATION 22+60.000		OFFSET 20.00ft RT		24 HR 10.20ft						
COLLAR ELEV 2764.60ft		TOTAL DEPTH 12.70ft		START DATE 8/19/03		COMPLETION DATE 08/19/03						
DRILL MACHINE CME 550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 12.00ft			Log EB2-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			
2764.60												
	2.00	2	2	2	1.0	4						ALLUVIUM: BROWN, SILTY SAND
2760.00	4.50	3	8	34	1.0	42				SS-1	M	ALLUVIUM: CSE. SAND, GRAVEL, COBBLES AND BOULDERS
	9.50	36	100		0.5					SS-2	M	WEATHERED ROCK WITH HARD ROCK SEAMS
2751.90												HARD ROCK NOT CORED
						TERMINATED BORING IN HARD ROCK AT ELEVATION 2752.0 FEET						

JLJ
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS-MATERIALS AND TESTS UNIT
SOILS TEST REPORT-SOILS LABORATORY

T.I.P. ID #:	B-4010				
REPORT ON SAMPLES OF:	Soil for Classification				
PROJECT:	8.1711401	COUNTY:	Ashe	Owner:	--
DATE SAMPLED:	8-19-03	DATE RECEIVED:	9-3-03	DATE REPORTED:	9-18-03
SAMPLED FROM:	Foundation	SAMPLED BY:	L L Acker		
SUBMITTED BY:	W F Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-1	SS-2	SS-3				
Lab Sample No. A-	142975	142976	142977				
HiCAMS Sample #	--	--	--				
Retained #4 Sieve %	--	--	--				
Passing #10 Sieve %	99	61	97				
Passing #40 Sieve %	84	31	89				
Passing #200 Sieve %	23	7	20				

MINUS #10 FRACTION

Soil Mortar - 100%							
Coarse Sand - Ret. #60	42	70	31				
Fine Sand - Ret. #270	40	21	54				
Silt 0.05-0.005 mm %	10	7	9				
Clay < 0.005 mm %	8	2	6				
Passing # 40 Sieve %	--	--	--				
Passing # 200 Sieve %	--	--	--				

Liquid Limit	25	23	30				
Plastic Index	NP	NP	NP				
AASHTO Classification	A-2-4 (0)	A-1-b (0)	A-2-4 (0)				
Quantity							
Texture							
Station	22+60 Rt	22+60 Rt	21+60 Rt				
Hole No.							
Depth (ft) From:	2.0	4.5	0.0				
To:	3.5	6.0	2.0				

Remarks:

CC:

W D Frye

J J Lail

File

SOILS ENGINEER:
