

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO: 33608.1.1 PROJECT ID: B-4266 COUNTY: RUTHERFORD GEOLOGIST: R.W. TODD
 SITE DESCRIPTION: BR #110 ON SR 1991 OVER HILL'S CREEK. DRILLER: C.L. SMITH
 BORING NO: B2-A BORING LOCATION (STA): 13+51 -L- OFFSET: 7.50' LT. CORE SIZE: NXWL
 COLLAR ELEV: 764.00' PERSONNEL: DATE STARTED: 01/10/05
 TOTAL DEPTH: 38.30' DRILL MACHINE: CME-550 DATE COMPLETED: 01/10/05
 TOTAL RUN: 14.10' DRILL EQUIP:

PROJECT NO 33608.1.1		ID B-4266		COUNTY RUTHERFORD		GEOLOGIST RWT								
SITE DESCRIPTION BRIDGE 110 ON SR 1991 OVER HILL'S CREEK						GND WATER								
BORING NO B2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT L		BORING LOCATION 13+51.000		OFFSET 7.50ft LT		24 HR 12.00ft								
COLLAR ELEV 764.00ft		TOTAL DEPTH 38.30ft		START DATE 1/10/05		COMPLETION DATE 01/10/05								
DRILL MACHINE CME 550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log B2-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				
764.00														Ground Surface
760.00	5.60	2	2	2	1.0									(ROADWAY FILL) RED/BRN. SOFT MOIST SANDY CLAY
750.00	10.60	2	1	1	1.0									(ALLUVIUM) BRN. & GRAY V. LOOSE WET SILTY SAND
	15.60	7	5	5	1.0									GRAY MED. DENSE WET SILTY SAND
	20.60	35	65		0.7									WEATHERED ROCK
740.00														(HARD CRYSTALLINE ROCK) GRAY/WHITE SLI. WEATH. HARD MICA SCHIST TO META. GRANITE. REC = 98% RQD = 97%
														GRAY/WHITE SLI. WEATH. HARD META. GRANITE TO MICA SCHIST. REC = 99% RQD = 94%
														GRAY SLI. WEATH. HARD MICA SCHIST. REC = 100% RQD = 100%
725.70														BORING TERMINATED AT ELEV. 725.70' IN GRAY, SLI. WEATH. HARD, MICA SCHIST.

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
739.80	24.20		1	98	97		GRAY/WHITE, SLI. WEATH., HARD, MICA SCHIST TO META. GRANITE. FS = CLOSE TO MOD. CLOSE
733.90	30.10		2	99	94	RS-3	GRAY/WHITE, SLI. WEATH., HARD, META. GRANITE TO MICA SCHIST. FS = CLOSE TO MOD. CLOSE
729.10	34.90		3	100	100		GRAY, SLI. WEATH., HARD, MICA SCHIST.
725.70	38.30						FS = CLOSE

NOTES