

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 24 OF 70

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

PROJECT NO. 33377.1.1	ID. B-4009	COUNTY ANSON	GEOLOGIST STICKNEY J.K.
SITE DESCRIPTION BRIDGE NO. 33 OVER BROWN CREEK ON US 74 WBL			GROUND WATER
BORING NO. B2-A	BORING LOCATION 36+27.50	OFFSET -7.70	ALIGNMENT L
COLLAR ELEVATION 237.50	NORTHING 457161.9355	EASTING 1644663.8484	0 HR. 24 HR.
TOTAL DEPTH 37.9	DRILL MACHINE CME-550X	DRILL METHOD NWCAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 3/21/05	COMPLETION DATE 3/21/05	SURFACE WATER DEPTH 5.5	DEPTH TO ROCK 15.3

PROJECT NO: 33377.1.1 PROJECT ID: B-4009 COUNTY: ANSON GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE NO. 33 ON US 74 OVER BROWN CREEK DRILLER: C.L. SMITH
 BORING NO: B2-A BORING LOCATION (STA): 36+27.50 -L- OFFSET: 7.70' LT.
 COLLAR ELEV: 237.50' PERSONNEL: CORE SIZE: NXWL
 TOTAL DEPTH: 37.90' DRILL MACHINE: CME-550 DATE STARTED: 03/21/05
 TOTAL RUN: 22.60' DRILL EQUIP: DATE COMPLETED: 03/21/05

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
237.50														(ALLUVIUM) GRAY SOFT TO MED. STIFF SILTY F. SANDY CLAY (A-6)
235.00	3.6	0	1	3	1							SS-13	SAT	
230.00	8.6	0	2	2	1							SS-14	SAT	GRAY V. LOOSE TO LOOSE SAND (A-3) W/LEAVES
225.00	13.6	41	59		0.95							SS-15	D	(TRIASSIC) RED-PURPLE STIFF TO HARD F. SANDY CLAYEY SILT (A-4)
220.00	15.3											CORE1		WEATHERED ROCK (RED-PURPLE HARD F. SANDY CLAYEY SILT) (A-4)
215.00	18.3											CORE2	RS-2	(NON-CRYSTALLINE ROCK) RED-BRN MOD. WEATH. MED. HARD MUDSTONE & SANDSTONE REC=100% RQD=57%
210.00	23.3											CORE3		RED-BRN MOD. WEATH. MED. HARD MUDSTONE & SANDSTONE REC=90% RQD=73%
205.00	28.3											CORE4		RED-BRN MOD. WEATH. MED. TO MOD. HARD MUDSTONE TO 30.3 THEN SLI. WEATH. MOD. HARD SANDSTONE REC=96% RQD=60%
200.00	33.1											CORE5		RED-BRN SLI. WEATH. MOD. HARD SANDSTONE REC=100% RQD=82%
195.00														RED-BRN SLI. WEATH. MOD. HARD SANDSTONE REC=100% RQD=93%
190.00														
185.00														
180.00														
175.00														
170.00														
165.00														
160.00														TERMINATED BORING AT ELEV. 199.60 SLI. WEATH. MOD. HARD SANDSTONE

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
222.20	15.30		1	100	57		RED/BRN., MOD. WEATH., MED. HARD, MUDSTONE & SANDSTONE. FS = THIN
219.20	18.30		2	90	73	RS-2	RED/BRN., MOD. WEATH., MED. HARD, MUDSTONE & SANDSTONE. *NO WATER RETURN. FS = THIN
214.20	23.30		3	96	60		RED/BRN., MOD. WEATH., MED. TO MOD. HARD, MUDSTONE TO 30.30', THEN SLI. WEATH., MOD. HARD, SANDSTONE. *NO WATER RETURN. FS = THICK
209.20	28.30		4	100	82		RED/BRN., SLI. WEATH., MOD. HARD, SANDSTONE. *NO WATER RETURN. FS = THICK
204.40	33.10		5	100	93		RED/BRN., SLI. WEATH., MOD. HARD, SANDSTONE. *WATER RETURN RESUMES. (33.10') FS = THICK
199.60	37.90						
NOTES							