

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

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-B		BORING LOCATION 36+27.50		OFFSET 8.60		ALIGNMENT L					
COLLAR ELEVATION 236.30		NORTHING 457148.5675		EASTING 1644654.5218		0 HR. 24 HR.					
TOTAL DEPTH 37.1		DRILL MACHINE CME-550X		DRILL METHOD NWCAS/NXWL		HAMMER TYPE AUTOMATIC					
START DATE 3/23/05		COMPLETION DATE 3/24/05		SURFACE WATER DEPTH 6.0		DEPTH TO ROCK 19.2					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT 0.5' 0.5' 0.5'	PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG MOI.	SOIL AND ROCK DESCRIPTION
				0	25	50	75	100			
236.30											
235.00	2.4	1	0	1							SAT (ALLUVIUM) GRAY V. SOFT TO MED. STIFF SANDY SILTY CLAY (A-6) W/WOOD (PINE LOG)
230.00	7.4	6	4	3							BURNT WOOD & TRASH W/GRAVEL TO 13.5 THEN GRAY MED. DENSE CLAYEY SAND W/GRAVEL (A-1-B)
225.00	13.5	16	13	21							(TRIASSIC) RED-PURPLE V. STIFF TO HARD F. SANDY CLAYEY SILT (A-4)
220.00	18.5	45	55	0.7							WEATHERED ROCK (RED-PURPLE HARD SANDY CLAYEY SILT) (A-4)
215.00	19.2										(NON-CRYSTALLINE ROCK) RED-BRN MOD. WEATH. MED. HARD MUDSTONE REC=98% RQD=58%
210.00	22.3										RED-BRN MOD. WEATH. MED. HARD MUDSTONE REC=92% RQD=66%
205.00	27.3										RED-BRN MOD. WEATH. MOD. HARD SANDSTONE REC=97% RQD=68%
200.00	32.2										RED-GRAY SLI. WEATH. MOD. HARD SANDSTONE REC=90% RQD=84%
195.00											
190.00											
185.00											
180.00											
175.00											
170.00											
165.00											
160.00											

TERMINATED BORING AT
 ELEV. 199.20 IN SLI. WEATH.
 MOD. HARD SANDSTONE

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

SHEET 25 OF 70

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-B BORING LOCATION (STA): 36+27.50 OFFSET: 8.60' RT.
 COLLAR ELEV: 236.30' PERSONNEL: CORE SIZE: NXWL
 TOTAL DEPTH: 37.10' DRILL MACHINE: CME-550 DATE STARTED: 03/24/05
 TOTAL RUN: 17.90' DRILL EQUIP: DATE COMPLETED: 03/24/05

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
217.10	19.20		1	97	58		RED/BRN., MOD. WEATH., MED. HARD, MUD-STONE. FS = THIN
214.00	22.30		2	92	66	RS-7	RED/BRN., MOD. WEATH., MED. HARD, MUD-STONE. FS = THIN
209.00	27.30		3	97	68		RED/BRN., MOD. WEATH., MOD. HARD, SAND-STONE. *NO WATER RETURN FOR ENTIRE RUN. FS = THIN TO THICK
204.10	32.20		4	90	84		RED/GRAY, SLI. WEATH., MOD. HARD SAND-STONE. *WATER RETURN RESUMES. (32.20')
199.20	37.10						FS = THICK

NOTES