NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34383.1.1	ID R-2206C	COUNTY CATAWBA	GEOLOGIST J.K. STICKNEY
SITE DESCRIPTION BRIDGE ON NC 16 BYPASS OVER REED CRK BETWEEN SR 1855 & NC 16			GND WATER
BORING NO B1-A NBL	NORTHING 0.00	EASTING 0.00	0 HR 2.10m
ALIGNMENT L	BORING LOCATION 256+81.000	OFFSET 11.20m RT	24 HR 2.30m
COLLAR ELEV 280.51m	TOTAL DEPTH 10.57m	START DATE 1/08/04	COMPLETION DATE 01/08/04
DRILL MACHINE CME-550	DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK 7.79m		Log B1-A NBL, Page 1 of 1

ELEV	DEPTH	BLOW CT 15cm	15cm	15cm	PEN (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
280.51						Ground Surface				
280.00										ALLUVIUM - LOOSE TO MEDIUM DENSE TAN-BROWN SILTY SAND WITH GRAVEL
	1.55	9	8	7	0.30	15		MOIST		
278.00										
	3.07	1	3	3	0.30	6		MOIST		
276.00										
	4.60	9	6	7	0.30	13		DRY		RESIDUAL - MEDIUM DENSE TO DENSE TAN CLAYEY SILTY SAND
	6.12	8	11	19	0.30	30		DRY		
274.00										
	7.65	100			0.02	100				WEATHERED ROCK
							RUN #1			HARD ROCK - GRAY GRANITE, REC=98% RQD=86%
272.00										
							RUN #2			GRAY GRANITE, REC=98% RQD=89%
269.94						CORING TERMINATED AT ELEVATION 269.941 METERS IN VERY HARD GRANITE				

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

PROJECT NO: 8.1830503 **PROJECT ID:** R-2206C **COUNTY:** CATAWBA **GEOLOGIST:** J.K. STICKNEY
SITE DESCRPTION: BRIDGE ON NC 16 BYPASS OVER REED CRK BETWEEN SR 1855 & NC 16 **DRILLER:** C.L. SMITH
BORING NO: B1-A NBL **BORING LOCATION (STA):** 256+81.0 **OFFSET:** 11.2 RT
COLLAR ELEV: 280.511 **PERSONNEL:** C.E. BURRIS **CORE SIZE:** NXWL
TOTAL DEPTH: 10.57 **DRILL MACHINE:** CME-550 **DATE STARTED:** 1-8-04
TOTAL RUN: 2.78 **DRILL EQUIP:** NXWL, TRI-CONE **DATE COMPLETED:** 1-8-04

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/.3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
272.721	7.79		1	98	86		GRAY VERY SLIGHTLY WEATHERED TO FRESH VERY HARD GRANITE WITH VERY CLOSE TO MODERATELY CLOSE FRACTURE SPACING
271.421	9.09		2	98	89		GRAY FRESH, VERY HARD, GRANITE WITH MODERATELY CLOSE TO WIDE FRACTURE SPACING
269.941	10.57						

NOTES