## NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL LINIT BORING LOG

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PROJECT NO 34383.1.1 ID R-2206C								COUNTY CATAWBA				GEOLOGIST J.K. STICKNEY			
SITE DESCRIPTION BRIDGE ON NC 16 BYPASS O						OVER REED CRK BETWEEN SR 1855				& NC	16		GND WATER		
BORING NO B1-B NBL					NORTI	HING 0.0	}			EASTING 0.00				0 HR 1.90m	
ALIGNMENT L					BORIN	G LOCAT	TON 256+81.000 O			OFFSET 17.40m RT			24 HR 2.30m		
COLLAR ELEV 280.25m				17	ГОТАІ	DEPTH	15.81m START DAT			TE 1/07/04			COMPLETION DATE 01/07/04		
DRILL MACHINE CME-550							DRILL METHOD SPT CO			RE BORING			HAMMER TYPE AUTOMATIC		
SURFACE WATER DEPTH						DEPTH TO ROCK 10.86m			1			Log B1-B NBL, Page 1 of 1			
ELEV DEPTH		BL	OW (	CT	PEN		BLOWS F	LOWS PER 30cm		SAMPLE	Y/		SOIL AND ROCK		
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280.25						<u> </u>	-Ground	Surface							
_	_											0000	ALLUVIUM - LOC		
	- `											0000 0000	DENSE TAN-BRO	WN SILTY SAND TZ GRAVEL	
279.00	 - 1.57	8	10	9	0.30							0000 0000	WITH QUAR	IZ GRAVEL	
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269.00_	_									RUN #1			WEATHEF HARD F		
3													BROWN-TAN-G		
	_					=====				RUN #2			REC=89%		
=	_								<u> </u>	NON #2			AS ABOVE, REC	=93% RQD=0%	
267.00_									[=====]					•	
	_								=====	D1 31 22					
· <u>∃</u>										RUN #3			AS ABOVE, REC	=95% RQD=35%	
=	_														
265.00_										RS-1					
264.44	_									RUN #4			GRAY GRANI		
207.74	-					COR	NG TER	MINATE	7 AT				RQD:	=93%	
	_					ELEVAT	NG TER ION 269	941 MET	ERS-IN-						
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## 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-B NBL** 

**BORING LOCATION (STA):** 256+81.0

**OFFSET:** 17.4 RT

COLLAR ELEV: 280.251

**CORE SIZE:** NXWL

TOTAL DEPTH: 15.81

PERSONNEL: C.E. BURRIS **DRILL MACHINE:** CME-550

DATE STARTED: 1-7-04

TOTAL RUN: 4.95

DRILL EQUIP: NXWL, TRI-CONE

**DATE COMPLETED:** 1-7-04

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/.3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
269.391	10.86		1	89	0		BROWN-TAN-GRAY MEDIUM TO MODERATELY HARD, MODERATELY SEVERELY TO MODERATELY WEATHERED GRANITE WITH VERY CLOSE TO CLOSE FRACTURE SPACING (IN RUNS 1 AND 2 THERE IS AN INTERMITTENT CONTACT WITH ROCK FROM THE KINGS MOUNTAIN SHCIST)
268.081	12.17		2	93	0		AS ABOVE
266.561	13.69		3	95	35	RS-1	AS ABOVE TO 14.06 METERS THEN, GRAY VERY HARD, FRESH GRANITE WITH CLOSE FRACTURE SPACING
265.041	15.21		4	98	93		GRAY FRESH, VERY HARD GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
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NOTES							