NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1830503	ID R-2206C	COUNTY LINCOLN	GEOLOGIST C.E. BURRIS
SITE DESCRIPTION BRIDGE OVER KILLIAN CRK. ON NC 16 BETWEEN MUNDY RD. & NC 150			GND WATER
BORING NO B2-A NBL	NORTHING 0.00	EASTING 0.00	0 HR 1.21m
ALIGNMENT L	BORING LOCATION 223+13.000	OFFSET 10.40m RT	24 HR 1.31m
COLLAR ELEV 251.97m	TOTAL DEPTH 9.29m	START DATE 12/05/03	COMPLETION DATE 12/05/03
DRILL MACHINE CME-550	DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK 4.93m		Log B2-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
251.97						Ground Surface				
251.00	1.89	0	1	2	0.30	3		WET		ALLUVIUM - VERY LOOSE TO LOOSE GRAY-TAN-WHITE MICACEOUS SAND WITH QUARTZ GRAVEL
249.00	3.41	15	33	36	0.30	69	SS-13	MOIST		RESIDUAL - VERY DENSE BROWN-GRAY-TAN MICACEOUS SILTY SAND
247.00	4.94	100			0.00	100	RUN #1			WEATHERED ROCK
245.00							RUN #2			HARD ROCK - GRAY SLIGHTLY WEATHERED TO FRESH, HARD TO VERY HARD GRANITE, REC=94% RQD=57% AS ABOVE, REC=95% RQD=55%
243.00							RUN #3			AS ABOVE, REC=100% RQD=84%
242.68						CORING TERMINATED AT ELEVATION 242.676 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:** LINCOLN **GEOLOGIST:** C.E. BURRIS
SITE DESCRPTION: DUAL BRIDGES ON NC 16 OVER KILLIAN CREEK **DRILLER:** C.L. SMITH
BORING NO: B2-A NBL **BORING LOCATION (STA):** 223+13.0 **OFFSET:** 10.4 RT
COLLAR ELEV: 251.966 **PERSONNEL:** J.K. STICKNEY **CORE SIZE:** NXWL
TOTAL DEPTH: 9.29 **DRILL MACHINE:** CME-550 **DATE STARTED:** 12/5/03
TOTAL RUN: 4.36 **DRILL EQUIP:** NXWL, TRI-CONE **DATE COMPLETED:** 12/5/03

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/.3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
247.036	4.93		1	94	57		GRAY SLIGHTLY WEATHERED TO FRESH, HARD TO VERY HARD GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
245.566	6.40		2	95	55		GRAY VERY SLIGHTLY WEATHERED TO FRESH, VERY HARD GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
244.116	7.85		3	100	84		GRAY FRESH, VERY HARD GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
242.676	9.29						

NOTES