

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

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GEOTECHNICAL UNIT BORING LOG

8/17

PROJECT NO 8.1600901		ID R-2568B		COUNTY DAVIDSON		GEOLOGIST RWT									
SITE DESCRIPTION BRIDGE NO. 124 NC 109 OVER RICH FORK CREEK							GND WATER								
BORING NO B1A NBL		NORTHING 0.00		EASTING 0.00		0 HR N/A									
ALIGNMENT -L-		BORING LOCATION 61+30.000		OFFSET 7.00m RT		24 HR 1.80m									
COLLAR ELEV 213.61m		TOTAL DEPTH 13.47m		START DATE 4/29/02		COMPLETION DATE 04/30/02									
DRILL MACHINE CME-550			DRILL METHOD NW CAS/NXWL			HAMMER TYPE AUTOMATIC									
SURFACE WATER DEPTH			DEPTH TO ROCK 6.09m			Log B1A NBL, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100					
213.61															Ground Surface
213.00															(ALLUVIAL) GRAY LOOSE SAT. SILTY CSE. SAND
211.00	3.14	1	2	2	0.30							SS-4	SAT		
209.00	4.66	9	9	20	0.30							SS-5	M		(RESIDUAL) BRN./WHITE MED. DENSE TO DENSE MOIST SILTY SAND
207.00												RUN 1			WEATHERED ROCK
207.00												RUN 2			MOD. WEATH., HARD META. GRANITIC ROCK. REC = 88% RQD = 0%
205.00												RUN 3			SEV. WEATH. & MOD. HARD META. GRANITIC ROCK. REC = 47% RQD = 07%
203.00												RUN 4			SEV. WEATH. & SOFT META. GRANITIC ROCK. REC = 19% RQD = 12%.
201.00												RS-2			MOD. WEATH. TO FRESH & MOD. HARD TO HARD META. GRANITIC ROCK. REC = 86% RQD = 47%
200.14												RUN 5			FRESH, HARD, META. GRANITIC ROCK. REC = 100% RQD = 100%
BORING TERMINATED AT ELEV. 200.14 IN FRESH, HARD, META. GRANITIC CRYSTALLINE ROCK.															

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SITE DESCRIPTION BRIDGE NO. 124 NC 109 OVER RICH FORK CREEK							GND WATER								
BORING NO B1B NBL		NORTHING 0.00		EASTING 0.00		0 HR N/A									
ALIGNMENT -L-		BORING LOCATION 61+28.000		OFFSET 17.00m RT		24 HR 1.80m									
COLLAR ELEV 213.65m		TOTAL DEPTH 13.60m		START DATE 4/30/02		COMPLETION DATE 04/30/02									
DRILL MACHINE CME-550			DRILL METHOD NW CAS/NXWL			HAMMER TYPE AUTOMATIC									
SURFACE WATER DEPTH			DEPTH TO ROCK 5.35m			Log B1B NBL, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100					
213.65															Ground Surface
213.00															(ALLUVIAL) GRAY LOOSE SAT. SILTY CSE. SAND
211.00	3.10	1	1	3	0.30							SS-4	SAT		
209.00	4.62	7	12	19	0.30							SS-6	M		(RESIDUAL) OLIVE/TAN HARD MOIST SANDY SILT
207.00												RUN 1			SEV. WEATH. & SOFT TO MOD. HARD META GRANITIC ROCK. REC = 14% RQD = 07%
205.00												RUN 2			SEV. WEATH. & SOFT TO MOD. HARD META GRANITIC ROCK. REC = 16% RQD = 11%
203.00												RUN 3			MOD. SEV. WEATH. & SOFT META. GRANITIC ROCK. REC = 84% RQD = 00%
201.00												RUN 4			MOD. WEATH. & HARD META. GRANITIC ROCK. REC = 70 RQD = 07%
200.05												RUN 5			FRESH, HARD, META. GRANITIC ROCK. REC = 100% RQD = 100%.
BORING TERMINATED AT ELEV. 200.05 IN FRESH, HARD, META. GRANITIC CRYSTALLINE ROCK.															