

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG

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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 EB2-A SBL		NORTHING 0.00		EASTING 0.00		0 HR 2.40m								
ALIGNMENT L		BORING LOCATION 257+18.100		OFFSET 17.40m LT		24 HR 1.70m								
COLLAR ELEV 281.34m		TOTAL DEPTH 6.03m		START DATE 12/29/03		COMPLETION DATE 12/29/03								
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK 6.03m			Log EB2-A SBL, 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
281.34														Ground Surface
280.00	1.17	1	2	5	0.30									ALLUVIUM - MEDIUM STIFF TAN-GRAY SILTY SANDY CLAY
278.00	2.69	3	5	5	0.30									RESIDUAL - MEDIUM DENSE TO VERY DENSE TAN-BROWN CLAYEY SILTY SAND
276.00	4.22	3	5	6	0.30									
275.31	5.74	8	92	0.27										WEATHERED ROCK
ROLLER CONE REFUSAL AT ELEVATION 275.306 METERS ON HARD ROCK														

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SITE DESCRIPTION BRIDGE ON NC 16 BYPASS OVER REED CRK BETWEEN SR 1855 & NC 16							GND WATER							
BORING NO EB2-B SBL		NORTHING 0.00		EASTING 0.00		0 HR 2.20m								
ALIGNMENT L		BORING LOCATION 257+19.000		OFFSET 11.40m LT		24 HR 1.90m								
COLLAR ELEV 281.40m		TOTAL DEPTH 5.43m		START DATE 12/29/03		COMPLETION DATE 12/29/03								
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 5.43m			Log EB2-B SBL, 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
281.40														Ground Surface
281.00	1.15	1	2	3	0.30									ALLUVIUM - MEDIUM STIFF TAN-GRAY SILTY SANDY CLAY
279.00	2.67	5	3	4	0.30									RESIDUAL - LOOSE BROWN CLAYEY SILTY SAND
277.00	4.20	3	3	4	0.30									
275.97														WEATHERED ROCK
ROLLER CONE REFUSAL AT ELEVATION 275.971 METERS ON HARD ROCK														