

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT 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 OVER REED CRK BETWEEN SR 1855 & NC 16							GND WATER							
BORING NO EB1-A SBL		NORTHING 0.00		EASTING 0.00		0 HR N/A	24 HR N/A							
ALIGNMENT L		BORING LOCATION 256+64.000		OFFSET 16.70m LT										
COLLAR ELEV 288.14m		TOTAL DEPTH 3.79m		START DATE 12/30/03		COMPLETION DATE 12/30/03								
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK 3.79m			Log EB1-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
288.14														
287.00	0.94	2	5	7	0.30									RESIDUAL - STIFF TO HARD RED-BROWN SANDY SILTY CLAY
285.00	2.46	5	22	78	0.19									WEATHERED ROCK
284.35														ROLLER CONE REFUSAL AT ELEVATION 284.351 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 EB1-B SBL		NORTHING 0.00		EASTING 0.00		0 HR 8.10m	24 HR 8.20m							
ALIGNMENT L		BORING LOCATION 256+64.600		OFFSET 12.00m LT										
COLLAR ELEV 287.63m		TOTAL DEPTH 8.99m		START DATE 12/30/03		COMPLETION DATE 12/30/03								
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH N/A			DEPTH TO ROCK N/A			Log EB1-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
287.63														
287.00	0.94	4	12	14	0.30									RESIDUAL - MEDIUM DENSE TO VERY DENSE TAN-WHITE CLAYEY SILTY SAND
285.00	2.46	22	29	30	0.30									
283.00	3.99	19	22	25	0.30									
281.00	7.04	8	12	15	0.30									
279.00	8.56	9	11	36	0.30									
278.64														BORING TERMINATED AT ELEVATION 278.641 METERS IN DENSE SAND