

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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 EB1-A NBL		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT L		BORING LOCATION 256+65.300		OFFSET 11.60m RT		24 HR 4.50m								
COLLAR ELEV 283.27m		TOTAL DEPTH 14.62m		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 14.62m			Log EB1-A 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
283.27														
	0.82	2	3	4	0.30									RESIDUAL - MEDIUM STIFF TAN CLAYEY SANDY SILT
	2.34	3	20	17	0.30									DENSE TAN-WHITE CLAYEY SAND WITH GRAVEL SIZE QUARTZ
	3.86	3	3	4	0.30									MEDIUM STIFF TO STIFF WHITE-TAN CLAYEY SILTY SAND
	5.39	4	4	4	0.30									
	6.91	1	3	6	0.30									
	8.44	6	8	10	0.30									
	10.46	3	7	11	0.30									MEDIUM DENSE TO DENSE TAN-WHITE SILTY CLAYEY SAND
	11.98	9	14	31	0.30									
	13.51	100			0.07									WEATHERED ROCK
														ROLLER CONE REFUSAL AT ELEVATION 268.646 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 NBL		NORTHING 0.00		EASTING 0.00		0 HR 3.50m								
ALIGNMENT L		BORING LOCATION 256+65.700		OFFSET 18.60m RT		24 HR 3.60m								
COLLAR ELEV 281.51m		TOTAL DEPTH 14.40m		START DATE 1/06/04		COMPLETION DATE 01/06/04								
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK 14.40m			Log EB1-B 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
281.51														
	1.97	3	4	6	0.30									ALLUVIUM - STIFF TAN SILTY SANDY CLAY
	3.49	3	6	6	0.30									
	5.02	3	7	11	0.30									RESIDUAL - STIFF TO VERY STIFF TAN-GRAY CLAYEY SANDY SILT
	6.54	3	7	9	0.30									
	8.07	4	6	10	0.30									
	9.59	4	6	8	0.30									
	11.11	8	13	34	0.30									DENSE BLACK-WHITE SILTY CLAYEY SAND
	12.61	100			0.10									WEATHERED ROCK
	14.13	100			0.04									
														ROLLER CONE REFUSAL AT ELEVATION 267.106 METERS ON HARD ROCK