

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33465.1.1		ID. B-4110		COUNTY DURHAM		GEOLOGIST J. L. PEDRO								
SITE DESCRIPTION BRIDGE NO. 5 ON -L- (SR 1616) OVER MOUNTAIN CREEK							GROUND WATER							
BORING NO. EBI-A		BORING LOCATION 16+72		OFFSET 25' LT		ALIGNMENT -L-								
COLLAR ELEVATION 388.5'		NORTHING 874334		EASTING 2028761		0 HR. 11.8'								
TOTAL DEPTH 16.3'		DRILL MACHINE CME-550		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC								
START DATE 5/25/05		COMPLETION DATE 5/25/05		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 16.3'								
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75					100
388.5	2.0	3	3	3	1.0	X 6								
385.0	4.5	3	11	36	1.0	X 47								
380.0	7.0	5	5	4	1.0	X 9								
	9.5	2	3	3	1.0	X 6								
	12.0	16	8	92	0.9				100+					
	14.5	100			0.3				100+					
AUGER REFUSAL AT ELEVATION 372.2 FEET ON CRYSTALLINE ROCK (METAVOLCANIC TUFF)														

PROJECT NO. 33465.1.1		ID. B-4110		COUNTY DURHAM		GEOLOGIST J. L. PEDRO								
SITE DESCRIPTION BRIDGE NO. 5 ON -L- (SR 1616) OVER MOUNTAIN CREEK							GROUND WATER							
BORING NO. EBI-B		BORING LOCATION 16+62		OFFSET 20' RT		ALIGNMENT -L-								
COLLAR ELEVATION 384.4'		NORTHING 874292		EASTING 2028781		0 HR. 12.9'								
TOTAL DEPTH 22.8'		DRILL MACHINE CME-550		DRILL METHOD H.S. AUGERS		HAMMER TYPE AUTOMATIC								
START DATE 5/23/05		COMPLETION DATE 5/23/05		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 22.8'								
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75					100
384.4	2.0	10	20	27	1.0	X 47								
380.0	7.0	67	33		0.6				100+					
375.0	12.0	32	68		0.8				100+					
370.0	17.0	48	52		0.7				100+					
365.0	22.0	100			0.2				100+					
AUGER REFUSAL AT ELEVATION 361.6 FEET ON CRYSTALLINE ROCK (METAVOLCANIC TUFF)														