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. EB2-A	**BORING LOCATION** 18+22	**OFFSET** 24' LT	**ALIGNMENT** -L-
COLLAR ELEVATION 383.4'	**NORTHING** 874433	**EASTING** 2028866	**24 HR.** 10.2'
TOTAL DEPTH 14.4'	**DRILL MACHINE** CME-550	**DRILL METHOD** H.S. AUGERS	**HAMMER TYPE** AUTOMATIC
START DATE 5/24/05	**COMPLETION DATE** 5/24/05	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 14.4'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
383.4										
380.0	2.3	1	2	3	1.0	X 5	SS-3	M		ROADWAY EMBANKMENT, ORANGE, SILTY CLAY
	4.8	2	4	5	1.0	X 9		M		
	7.3	1	1	1	1.0	X 2	SS-4	M		ALLUVIAL, GRAY, SANDY SILT
375.0	9.8	WOH	2	3	1.0	X 5	SS-5	M		
	12.3	2	19	7	1.0	X 26	SS-6	M		GRAY, CLAYEY COARSE SAND
370.0						AUGER REFUSAL AT ELEVATION 369.0 FEET ON CRYSTALLINE ROCK (METAVOLCANIC TUFF)				
365.0										
360.0										
355.0										
350.0										
345.0										
340.0										
335.0										
330.0										
325.0										
320.0										
315.0										
310.0										
305.0										

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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. EB2-B	**BORING LOCATION** 18+09	**OFFSET** 24' RT	**ALIGNMENT** -L-
COLLAR ELEVATION 377.1'	**NORTHING** 874391	**EASTING** 2028893	**24 HR.** 2.3'
TOTAL DEPTH 26.5'	**DRILL MACHINE** CME-550	**DRILL METHOD** H.S. AUGERS	**HAMMER TYPE** AUTOMATIC
START DATE 5/24/05	**COMPLETION DATE** 5/24/05	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 17.9'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
377.1										
375.0	2.8	2	2	3	1.0	X 5	SS-2	M		ALLUVIAL, TAN, SANDY SILT
370.0	7.8	100			0.5	100+ X				GRAY, CLAYEY, COARSE SAND
365.0	12.8	100			0.2	100+ X				WEATHERED ROCK (METAVOLCANIC TUFF)
360.0	17.8	60			0.1	60/0.1 X				
355.0	22.8	60			0.1	60/0.1 X				CRYSTALLINE ROCK (METAVOLCANIC TUFF)
350.0						AUGER REFUSAL AT ELEVATION 350.6 FEET IN CRYSTALLINE ROCK (METAVOLCANIC TUFF)				
345.0										
340.0										
335.0										
330.0										
325.0										
320.0										
315.0										
310.0										
305.0										
300.0										