



PROJECT NO. 8.2353001		ID. B-3450		COUNTY Durham		GEOLOGIST D. Goodnight										
SITE DESCRIPTION Bridge No. 122 Over Sandy Creek on SR 1116 (Garrett Road)							GROUND WATER (ft)									
BORING NO.	EB1-A	BORING LOCATION 21+77		OFFSET 21 ft LT	ALIGNMENT -L-											
COLLAR ELEV. 256.1 ft		NORTHING 803238.48		EASTING 2007743.85		0 HR.	4.8									
TOTAL DEPTH 38.7 ft		DRILL MACHINE CME 850		DRILL METHOD 3-7/8" Tricone Wash Rotary		HAMMER TYPE 140 lb. Automatic										
DATE STARTED 9/18/02		COMPLETED 9/18/02		SURFACE WATER DEPTH NA												
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100			
256.1													256.1	0.00		
255.1	1.0	2	3	4								SS-1	16.2%	ROADWAY EMBANKMENT FILL: Medium Stiff Brown Silty Coarse to Fine Sandy CLAY with Gravel	4.0	
252.6	3.5	2	9	6										ROADWAY EMBANKMENT FILL: Loose Moist Black Asphalt and Gravel	5.5	
250.1	6.0	2	1	2										ALLUVIAL: Very Loose Grey Clayey Silty Fine SAND with a Trace of Organics (Decayed Plant Material)	8.0	
247.6	8.5	WOH	WOH	1								SS-2	20.1%	ALLUVIAL: Very Soft Grey Clayey Coarse to Fine Sandy SILT with a Trace of Organics (Decayed Plant Material)	12.0	
242.6	13.5	2	2	2								S		ALLUVIAL: Loose to Very Loose Tan and Grey Fine to Coarse SAND with a Trace of Silt and Clay and with a Little Organics (Decayed Plant Material)		
237.6	18.5	1	1	1								S				
232.6	23.5	WOH	WOH	6								SS-3	W	ALLUVIAL: Medium Stiff Grey Fine Sandy Silty CLAY with Interbedded Fine Sand Layers and with a Little Organic Matter (5.3% Decayed Plant Material)	24.5	
227.6	28.5	60	40/0.1									M/W		ALLUVIAL: Loose to Medium Dense Grey Silty Fine SAND	27.0	
222.6	33.5	100/0.5												WEATHERED ROCK: Grey Triassic Sandstone	31.0	
217.6	38.5	60/0.2												WEATHERED ROCK: Brown and Grey Triassic Mudstone	31.0	
														Boring Terminated at Elevation 217.4 feet in Weathered Rock (Brown Triassic Mudstone)	38.7	

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SITE DESCRIPTION Bridge No. 122 Over Sandy Creek on SR 1116 (Garrett Road)							GROUND WATER (ft)									
BORING NO.	EB1-B	BORING LOCATION 21+85		OFFSET 23 ft RT	ALIGNMENT -L-											
COLLAR ELEV. 256.1 ft		NORTHING 803261.49		EASTING 2007782.32		0 HR.	11.2									
TOTAL DEPTH 39.1 ft		DRILL MACHINE Mobile B-57		DRILL METHOD 3-7/8" Tricone Wash Rotary		HAMMER TYPE 140 lb. Manual										
DATE STARTED 10/10/02		COMPLETED 10/10/02		SURFACE WATER DEPTH NA												
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100			
256.1													256.1	0.00		
255.1	1.0	5	4	5								SS-4	14.4%	ROADWAY EMBANKMENT FILL: Stiff to Very Stiff Orange-Brown to Grey Silty Fine to Coarse Sandy CLAY with Gravel		
252.6	3.5	12	9	9												
250.1	6.0	6	5	6												
247.6	8.5	4	6	2										ALLUVIAL: Medium Stiff to Stiff Grey Clayey Coarse to Fine Sandy SILT	8.0	
242.6	13.5	3	3	5								SS-5	W	ALLUVIAL: Loose Tan and Grey Fine to Coarse SAND with a Trace of Silt and Clay	12.0	
237.6	18.5	1	2	3								W		Loose Highly Organic (Wood) Tan and Grey Fine to Coarse SAND with a Trace of Silt and Clay	18.5	
232.6	23.5	1	4	11								W		ALLUVIAL: Stiff to Very Stiff Grey Silty Fine to Coarse Sandy CLAY	22.0	
227.6	28.5	100												WEATHERED ROCK: Grey Triassic Sandstone	28.0	
222.6	33.5	60/0.1												NON-CRYSTALLINE ROCK: Grey Triassic Sandstone	31.0	
217.6	38.5	50	50/0.1											WEATHERED ROCK: Red-Brown and Grey Triassic Mudstone	37.0	
														Boring Terminated at Elevation 217.0 feet in Weathered Rock (Triassic Mudstone)	39.1	

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