



PROJECT NO. 8.2502001		ID. B-3885		COUNTY Orange		GEOLOGIST D. Goodnight										
SITE DESCRIPTION Bridge No. 174 Over Cane Creek on SR 1958							GROUND WATER (ft)									
BORING NO. EB2-A		BORING LOCATION 18+63.0		OFFSET 14.0 ft LT		ALIGNMENT -L-		0 HR. 19.80								
COLLAR ELEV. 435.00 ft		NORTHING 792909.38		EASTING 1923422.47				24 HR. 20.50								
TOTAL DEPTH 39.20 ft		DRILL MACHINE CME 55 ATV		DRILL METHOD 3.25 in. ID HSA		HAMMER TYPE 140 lb. Manual										
DATE STARTED 7/18/03		COMPLETED 7/18/03		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			
435.0													435.0	0.00		
434.0	1.0	3	4	4									SS-13	20.5	Roadway Embankment: Medium Stiff, Brown, Coarse to Fine Sandy, Silty CLAY with Some Roots (A-6)	
431.5	3.5	3	3	2									M			
429.0	6.0	2	2	2									SS-14	17.6		
426.5	8.5	5	2	4									SS-15	16.6	Roadway Embankment: Medium Stiff to Stiff, Brown, Fine to Coarse Sandy SILT with Gravel (A-4)	
421.5	13.5	8	8	5									M			
416.5	18.5	6	8	7									SS-16	31.9	Residual: Stiff to Hard, Tan, Saprolitic, Fine Sandy SILT (A-4)	
411.5	23.5	31	37	50									SS-17	15.5		
406.5	28.5	24	76/4												410.0	Weathered Rock: Tan, Metavolcanic
401.5	33.5	60/2													418.5	Residual: Stiff to Hard, Tan, Saprolitic, Fine Sandy SILT (A-4)
396.5	38.5	75	25/2												427.0	Roadway Embankment: Medium Stiff to Stiff, Brown, Fine to Coarse Sandy SILT with Gravel (A-4)
															427.3	Roadway Embankment: Medium Stiff, Brown, Coarse to Fine Sandy, Silty, CLAY with Gravel and Roots (A-6)
															422.3	Roadway Embankment: Medium Stiff, Brown, Coarse to Fine Sandy SILT with Gravel (A-4)
															422.3	Residual: Very Stiff, Brown, Fine to Coarse Sandy SILT (A-4)
															416.3	Weathered Rock: Tan, Metavolcanic
															412.3	Residual: Hard, Tan, Fine to Coarse Sandy SILT with Rock Fragments (A-4)
															409.3	Weathered Rock: Tan, Metavolcanic
															403.3	Weathered Rock: Tan, Metavolcanic
															395.8	Boring Terminated at 39.2 feet (Elev. 395.8) in Weathered Rock (Tan, Metavolcanic)



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SITE DESCRIPTION Bridge No. 174 Over Cane Creek on SR 1958							GROUND WATER (ft)									
BORING NO. EB2-B		BORING LOCATION 18+49.0		OFFSET 10.0 ft RT		ALIGNMENT -L-		0 HR. 24.50								
COLLAR ELEV. 435.30 ft		NORTHING 792921.18		EASTING 1923447.84				24 HR. 21.80								
TOTAL DEPTH 32.00 ft		DRILL MACHINE CME 55 ATV		DRILL METHOD 3.25 in. ID HSA		HAMMER TYPE 140 lb. Manual										
DATE STARTED 7/21/03		COMPLETED 7/21/03		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			
435.3													435.3	0.00		
434.3	1.0	2	3	3												
431.8	3.5	2	2	3									M			
429.3	6.0	2	2	3									SS-18	19.5		
426.8	8.5	2	3	2									M			
421.8	13.5	4	6	14									M			
416.8	18.5	18	59	41/3									SS-19	16.0	Residual: Very Stiff, Brown, Fine to Coarse Sandy SILT (A-4)	
411.8	23.5	22	45	43											416.3	Weathered Rock: Tan, Metavolcanic
406.8	28.5	60/2													412.3	Residual: Hard, Tan, Fine to Coarse Sandy SILT with Rock Fragments (A-4)
403.3	32.0	60/0													409.3	Weathered Rock: Tan, Metavolcanic
															403.3	Weathered Rock: Tan, Metavolcanic
																Boring Terminated with SPT Refusal at 32.0 feet (Elev. 403.3) on Crystalline Rock (Tan, Metavolcanic)

NCDOT BORE SINGLE 07103020.GPJ NC DOT.GDT 8/18/03