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 GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
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 "OVER ONE HUNDRED YEARS OF SERVICE"

PROJECT NO. 33321.1.1		ID. B-3877		COUNTY Nash		GEOLOGIST C. Baldwin								
SITE DESCRIPTION Bridge No. 52 over Turkey Creek on SR 1101 (Claude Lewis Rd.)							GROUND WATER (ft)							
BORING NO. B2-B		BORING LOCATION 26+21		OFFSET 5ft RT		ALIGNMENT -L-								
COLLAR ELEV. 148.4 ft		NORTHING 726,979		EASTING 2,252,368		0 HR. N/A*								
TOTAL DEPTH 48.8 ft		DRILL MACHINE CME 550		DRILL METHOD 3.25" ID HSA/NQ3 Core		24 HR. N/A*								
DATE STARTED 10/27/04		COMPLETED 10/27/04		SURFACE WATER DEPTH N/A										
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	
148.4					Ground Surface							148.4	0.0	
148.4	0.0	WOH	WOH	WOH							SS-38	40.5%		-ALLUVIAL- Gray, fine sandy CLAY (A-6(4)), with some silt & trace coarse sand.
143.9	4.5	4	4	4							ST-1			
138.9	9.5	19	69	31/0.1'										Gray, silty fine to coarse SAND (A-2-4), with some clay.
133.9	14.5	21	29	32										-WEATHERED ROCK- Gray, META-ARGILLITE.
128.9	19.5	44	40	60/0.2'										-RESIDUAL- Gray, fine to coarse sandy SILT (A-4), with some clay.
														-WEATHERED ROCK- Gray, severely weathered, soft to medium hard META-ARGILLITE.
														-NON-CRYSTALLINE ROCK- Gray, moderately severely weathered, medium hard META-ARGILLITE.
														-WEATHERED ROCK- Gray, severely weathered, soft META-ARGILLITE.
														-NON-CRYSTALLINE ROCK- Gray, moderately severely weathered, medium hard META-ARGILLITE.
														-WEATHERED ROCK- Gray, severely weathered, soft META-ARGILLITE.
											RS-4			-NON-CRYSTALLINE ROCK- Gray, moderately severely weathered, moderately hard META-ARGILLITE.
														Boring Terminated at Elevation 99.6 ft in NON-CRYSTALLINE ROCK (META-ARGILLITE)
														NOTES: 1) 9.5' from bridge deck to natural ground. 2) Geologist indicates strata change in split spoon at depths of 10.0' (elev. 138.4') & 20.5' (elev. 127.9'). 3) Driller indicates softer drilling at a depth of 13.0' (elev. 135.4'). 4) Coring began at a depth of 20.7' (elev. 127.7'). 5) Shelby tube (ST-1) was submitted to NCDOT lab for EFA testing. * Groundwater not measured due to water introduced for coring.

NCDOT BORE SINGLE F66-239.GPJ NC_DOT.GDT 12/10/04