



WBS ELEMENT NO33454.1.1		ID No.	COUNTY Davidson		GEOLOGIST P. Weaver/P. Alton										
SITE DESCRIPTION Bridge 140 Over Rich Fork Creek on US 29-70/I-85 Business						GROUND WATER (ft)									
BORING NO. EB1-A		BORING LOCATION 19+62		OFFSET 39ft LT	ALIGNMENT -L-		0 HR. NM								
COLLAR ELEV. 655.5 ft		NORTHING 771984.06		EASTING 1651341.93		24 HR. 0.7									
TOTAL DEPTH 48.6 ft		DRILL MACHINE CME 850		DRILL METHOD Wash Rotary		HAMMER TYPE 140 lb. Automatic									
DATE STARTED 2/24/04		COMPLETED 2/25/04		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		
655.5													655.5	0.00	
654.5	1.0	2	2	3								W		ALLUVIAL: Medium Stiff to Soft, Brown and Grey, Clayey, Coarse to Fine Sandy SILT	
652.0	3.5	1	1	1								W			
649.5	6.0	1	1	1								SS-1	34.4%		
647.0	8.5	1	1	1								W		ALLUVIAL: Very Loose to Loose, Grey and White, Silty, Coarse to Fine SAND with a Little Organic Matter (Root Fragments)	
642.0	13.5	1	2	3								W			
637.0	18.5	2	4	8								W		ALLUVIAL: Medium Dense, Grey and White, Fine to Coarse SAND with a Little Gravel	
632.0	23.5	14	18	23								M			
627.0	28.5	5	10	13								SS-2	22.7%		
622.0	33.5	8	15	13								M		RESIDUAL: Hard, Grey with Some White to White and Black with Brown, Coarse to Fine Sandy SILT with Some Mica	
617.0	38.5	8	11	19								M			
612.0	43.5	60/0.2			60/0.2									WEATHERED ROCK: White and Black with Brown, Metadiorite	
607.0	48.5	60/0.1			60/0.1									Boring Terminated with SPT Refusal at 606.9 feet on Crystalline Rock: Metadiorite Note: Drill fluid = creek water + bentonite Mud density = 65.0 lbs./cu. ft.	

NCDOT BORE SINGLE 07104004.GPJ NC_DOT.GDT 3/22/04



WBS ELEMENT NO33454.1.1		ID No.	COUNTY Davidson		GEOLOGIST P. Weaver/P. Alton										
SITE DESCRIPTION Bridge 140 Over Rich Fork Creek on US 29-70/I-85 Business						GROUND WATER (ft)									
BORING NO. EB1-B		BORING LOCATION 19+62		OFFSET 20ft RT	ALIGNMENT -L-		0 HR. NM								
COLLAR ELEV. 656.2 ft		NORTHING 771929.32		EASTING 1651363.01		24 HR. 2.0									
TOTAL DEPTH 49.7 ft		DRILL MACHINE CME 850		DRILL METHOD Wash Rotary		HAMMER TYPE 140 lb. Automatic									
DATE STARTED 2/24/04		COMPLETED 2/24/04		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		
656.2													656.2	0.00	
655.2	1.0	WOH	WOH	WOH								W		ALLUVIAL: Very Loose, Brown, Silty, Fine to Coarse SAND	
652.7	3.5	3	4	6								W		ALLUVIAL: Stiff to Soft, Brown and Grey, Clayey, Coarse to Fine Sandy SILT with a Little Mica	
650.2	6.0	4	4	4								W			
647.7	8.5	2	4	4								W			
642.7	13.5	WOH	1	2								W			
637.7	18.5	3	3	4								SS-3	S	ALLUVIAL: Loose, Grey, Fine to Coarse SAND with a Little Gravel and Mica and a Trace of Silt	
632.7	23.5	8	15	14								M		RESIDUAL: Very Stiff, Grey with Brown and White, Coarse to Fine Sandy SILT	
627.7	28.5	9	11	14								SS-4	21.2%		
622.7	33.5	23	50	50/0.3											
617.7	38.5	60	40/0.3											WEATHERED ROCK: Grey with Brown and White, Metadiorite	
612.7	43.5	23	41	59/0.4											
607.7	48.5	30	48	52/0.2										Boring Terminated at Elevation 606.5 feet in Weathered Rock: Metadiorite Note: Drill fluid = creek water + bentonite Mud density = 65.2 lbs./cu. ft.	

NCDOT BORE SINGLE 07104004.GPJ NC_DOT.GDT 3/19/04