



Earth Science Engineering, LLC

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LOG OF BORING B-1

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City Hall Radio Tower
Goodlettsville, Davidson County, Tennessee
City of Goodlettsville

Date Started : 07/28/2018
Date Completed : 07/28/2018
Hole Diameter : 2.25 in.
Drilling Method : Hollow Stem Auger
Sampling Method : SPT; automatic hammer

Driller : M. Poliak
Helper : D. Hendrix
Drill Equipment : 6620DT
Est. surface material : 12" topsoil
Surface elevations not provided

ESE Project No: 88122

Depth in Feet	Surf. Elev.	Samples	Sample Condition	Water Levels	USCS	GRAPHIC	N-value (blows per foot)	Qp (tsf)	mc (%)	Qr (tsf)	Dd (pcf)	Water Level											
			Split Spoon Shelby Tube Auger Cuttings Rock Core	During Drilling At Completion																			
DESCRIPTION																							
								0	1	2	3	4	5	6	15	20	25	30					
0			Very Stiff brown with tan with trace yellow silty CLAY (fill)		FL		17																
			Very Stiff brown with tan, orange, black, and gray CLAY (fill)		FL		24																
			Very Stiff brown with tan with trace gray silty CLAY (fill) with limestone fragments		FL		23																
			Firm brown with greenish brown, gray, and black CLAY		CH		8																
			Hard black with brown and gray CLAY		CH		50/6																
15			Boring was terminated at (-)14' due to auger refusal.																				
			During drilling free water was encountered at (-)14' and (-)9' at completion.																				
20																							

07-31-2018 \\Ckc-pe\ese\Other Files\MTECH Boring Log Files\2018 Projects\City Hall Radio Tower\B-1.bo