

BORING LOG NO. P-1

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PROJECT: Proposed Signal Poles

CLIENT: Shelby County AL
Columbiana, AL

SITE: County Road 52
Helena, AL

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	ATTERBERG LIMITS	
							LL-PL-PI	
	DEPTH							
	0.3 TOPSOIL (4")							
	FILL - SILTY SAND , with sandstone fragments, brown							
					8-7-9 N=16			
					6-50/1" N=50+			
	5.0 Boring Terminated at 5 Feet	5						
Stratification lines are approximate. In-situ, the transition may be gradual.								

Advancement Method: Hollow stem auger	See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations.	Notes:	
Abandonment Method: Boring backfilled with auger cuttings upon completion.			
WATER LEVEL OBSERVATIONS Water not observed during drilling	 2147 Riverchase Office Rd Hoover, AL	Boring Started: 07-14-2021	Boring Completed: 07-14-2021
		Drill Rig: CME 55	Driller: Smith Drilling
		Project No.: E1215139	Exhibit: A-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL E1215139 PROPOSED SIGNAL P.GPJ TERRACON_DATATEMPLATE.GDT 7/15/21

BORING LOG NO. P-2

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PROJECT: Proposed Signal Poles

CLIENT: Shelby County AL
Columbiana, AL

SITE: County Road 52
Helena, AL

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	ATTERBERG LIMITS	
							LL-PL-PI	
	DEPTH							
	0.3' TOPSOIL (3")							
	FILL - SILTY SAND , with sandstone fragments, yellowish brown							
					21-24-18 N=42			
		5			7-7-26 N=33			
	Sandstone boulder 5'-6'				3-5-4 N=9			
	8.0'				5-6-7 N=13			
	LEAN CLAY (CL) , some fine sand, yellowish brown, stiff to very stiff	10						
					12-16-20 N=36			
	yellow with gray and becomes hard	15						
	18.5'				50/5" N=50+			
	WEATHERED SHALE , brown to gray							
	19.5'							
	Boring Terminated at 19.5 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method: Hollow stem auger	See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any).	Notes:	
Abandonment Method: Boring backfilled with auger cuttings upon completion.	See Appendix C for explanation of symbols and abbreviations.		
WATER LEVEL OBSERVATIONS Water not observed during drilling	 2147 Riverchase Office Rd Hoover, AL	Boring Started: 07-14-2021	Boring Completed: 07-14-2021
		Drill Rig: CME 55	Driller: Smith Drilling
		Project No.: E1215139	Exhibit: A-5

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BORING LOG NO. P-3

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PROJECT: Proposed Signal Poles

CLIENT: Shelby County AL
Columbiana, AL

SITE: County Road 52
Helena, AL

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	ATTERBERG LIMITS
							LL-PL-PI
	DEPTH						
	0.4 ASPHALT (5")						
	0.8 BASE (4")						
	FILL - SILTY SAND , with sandstone fragments, yellowish brown and gray				10-9-8 N=17		
	5.0 LEAN CLAY (CL) , some fine sand, reddish brown, stiff to very stiff	5			7-6-6 N=12		
					3-4-5 N=9		
	becomes hard						
		10			10-15-20 N=35		
	becomes yellowish brown and contains relict bedding	15			16-22-30 N=52		
	contains gray weathered shale				30-50/5" N=50+		
	20.0 Boring Terminated at 20 Feet	20					

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Hollow stem auger

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

WATER LEVEL OBSERVATIONS

Water not observed during drilling

Terracon
2147 Riverchase Office Rd
Hoover, AL

Boring Started: 07-14-2021

Boring Completed: 07-14-2021

Drill Rig: CME 55

Driller: Smith Drilling

Project No.: E1215139

Exhibit: A-6

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BORING LOG NO. P-4

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PROJECT: Proposed Signal Poles

CLIENT: Shelby County AL
Columbiana, AL

SITE: County Road 52
Helena, AL

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	WATER CONTENT (%)	ATTERBERG LIMITS	
							LL-PL-PI	
	DEPTH							
	0.4 ASPHALT (5")							
	FILL - SILTY SAND , with sandstone fragments, brown							
					7-8-9 N=17			
		5			4-6-6 N=12			
					4-4-3 N=7			
	10.0	10			7-10-9 N=19			
	SANDY LEAN CLAY (CL) , reddish brown, very stiff							
	13.0							
	SILTY SAND (SM) , reddish brown, very dense				50/4" N=50+			
	16.0	15						
	WEATHERED SANDSTONE , brown							
	19.0							
	Boring Terminated at 19 Feet				50/1" N=50+			

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Hollow stem auger

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

WATER LEVEL OBSERVATIONS

Water not observed during drilling

Terracon
2147 Riverchase Office Rd
Hoover, AL

Boring Started: 07-14-2021

Boring Completed: 07-14-2021

Drill Rig: CME 55

Driller: Smith Drilling

Project No.: E1215139

Exhibit: A-7

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