



BORING LOG NO. B-1										Page 1 of 1		
PROJECT: Bridge No. 22 over Clear Creek					CLIENT: Guy Engineering							
SITE: Cherokee County, Oklahoma												
GRAPHIC LOG	LOCATION	DEPTH (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	UNCONFINED COMPRESSIVE STRENGTH (psi)	WATER CONTENT (%)	ATTERBERG LIMITS	PERCENT FINES		
	See Exhibit A-2											
	Station: 233+31 Offset: 14' LT											
	Surface Elev.: 657.5 (FL.)											
	ELEVATION (FL.)											
	4" Asphalt LEAN CLAY (CL) with chert fragments, reddish-brown, medium stiff to very stiff											
		8				7-7-6 N=13		12				
		10				3-5-10 N=15		13				
		16				3-3-4 N=7		16	37-19-18	80		
		18				8-11-13 N=24		14				
		18				12-16-21 N=37		14				
		18.5										
	CHERTY LIMESTONE, grayish-white, hard, fractured					50/1"						
		23.5										
	Boring Terminated at 23.5 Feet					50/0"						
<p>Stratification lines are approximate. In-situ, the transition may be gradual.</p> <p>Hammer Type: Automatic            -Classification estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.</p> <p>Advancement Method: Power Auger            See Exhibit A-3 for description of field procedures.            See Appendix B for description of laboratory procedures and additional data (if any).</p> <p>Abandonment Method: Backfilled with cuttings above 4'; grouted 4' to 14'; backfilled with cuttings from 14' to termination depth.            See Appendix C for explanation of symbols and abbreviations.</p> <p>Notes:</p> <p>THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL: 04145114-(2015).GPJ</p>												
<b>WATER LEVEL OBSERVATIONS</b> 13.5 ft While Sampling 13.5 ft After Boring					Boring Started: 5/22/2015 Drill Rig: ATV 945 Project No.: 04145114		Boring Completed: 5/22/2015 Driller: TJ Exhibit: A-4					

BORING LOG NO. B-2										Page 1 of 1		
PROJECT: Bridge No. 22 over Clear Creek					CLIENT: Guy Engineering							
SITE: Cherokee County, Oklahoma												
GRAPHIC LOG	LOCATION	DEPTH (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	UNCONFINED COMPRESSIVE STRENGTH (psi)	WATER CONTENT (%)	ATTERBERG LIMITS	PERCENT FINES		
	See Exhibit A-2											
	Station: 234+06 Offset: 3' RT											
	Surface Elev.: 658.3 (FL.)											
	ELEVATION (FL.)											
	4" Asphalt LEAN CLAY (CL) with chert fragments, reddish-brown, medium stiff to stiff											
		6				4-6-6 N=12		13	43-21-22	76		
		12				6-7-10 N=17		14				
		12				2-3-3 N=6		18				
		13				7-10-9 N=19		17				
		18				9-10-16 N=26		21				
		18.5										
	CHERTY LIMESTONE, grayish-white, hard, fractured					50/1"						
		23.6										
	Boring Terminated at 23.6 Feet					50/1"						
<p>Stratification lines are approximate. In-situ, the transition may be gradual.</p> <p>Hammer Type: Automatic            -Classification estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.</p> <p>Advancement Method: Power Auger            See Exhibit A-3 for description of field procedures.            See Appendix B for description of laboratory procedures and additional data (if any).</p> <p>Abandonment Method: Backfilled with cuttings above 4'; grouted 4' to 14'; backfilled with cuttings from 14' to termination depth.            See Appendix C for explanation of symbols and abbreviations.</p> <p>Notes:</p> <p>THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL: 04145114-(2015).GPJ</p>												
<b>WATER LEVEL OBSERVATIONS</b> Not Encountered While Drilling Not Encountered After Drilling					Boring Started: 6/15/2015 Drill Rig: ATV 945 Project No.: 04145114		Boring Completed: 6/15/2015 Driller: TJ Exhibit: A-5					

Wednesday, December 02, 2015 2:39:42 PM  
 V:\13-828E Barrington Hollow Br 22 & LWC-Cherokee 2-CED\CIV3D\PLANS\828-BORING LOGS.dwg