

LOG OF BORING B-1

SHEET 1 of 1

LOG OF BORING B-2

SHEET 1 of 1

Hinderliter Geotechnical Engineering, LLC 6600 N. Meridian, Suite 116 Oklahoma City, OK 73116 Telephone: (405) 607-4011 Fax: (888) 650-7797										CLIENT: Koneru Consulting Services PROJECT: CIRB-145C(172)RB / 25468(04) LOCATION: Broken Bow, Oklahoma NUMBER: KCS-10-02 DATE(S) DRILLED: 8/11/11											
FIELD DATA					LABORATORY DATA					DRILLING METHOD(S): Rotary using drilling mud to stabilize borehole and flush cuttings. SPT testing & sampling in soil. TCP testing in rock.											
SOIL SYMBOL	DEPTH (FT)	SAMPLES N: BLOWS/FT P: TONS/50 FT T: BLOWS R: % ROD: %	MOISTURE CONTENT (%)	ATTERBERG LIMITS			DRY DENSITY POUNDS/CUFT	MINUS NO. 4 SIEVE (%)	MINUS NO. 10 SIEVE (%)	MINUS NO. 40 SIEVE (%)	MINUS NO. 200 SIEVE (%)	GROUNDWATER INFORMATION: Groundwater encountered at approximately 12' while drilling. Fluid (drilling mud and groundwater) measured at 6-1/2' about 8 hours after boring completion.									
				LL	PL	PI						SURFACE ELEVATION: 355.1									
DESCRIPTION OF STRATUM																					
	5	N = 3	15	NP	NP	NP	100	99	87	36	DOZER CLEARED										
	10	N = 2	16								SILTY SAND (SM) light brown very loose										
	15	N = 69	17	NP	NP	NP	100	99	98	54	SANDY SILT (ML) gray hard										
	20	N = 50/6 T = 50/1.5 50/0.8	16								WEATHERED SANDSTONE gray poorly cemented										
	25	T = 50/0.8 50/0.2									WEATHERED SANDSTONE with hard LIMESTONE SEAMS gray with thin black seams poorly cemented										
	30	T = 50/0.3 50/0.1																			
	35	T = 50/1.0 50/0.6																			
	40	T = 50/0.3 50/0.2									Bottom of boring approximately 39 feet										
N - STANDARD PENETRATION TEST RESISTANCE P - POCKET PENETROMETER RESISTANCE T - TXDOT CONE PENETRATION RESISTANCE R - ROCK CORE RECOVERY RCD - ROCK QUALITY DESIGNATION										REMARKS: Approximate Boring Location: Station 106+50 at 20' LT of estimated proposed centerline location											

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SOIL SYMBOL	DEPTH (FT)	SAMPLES N: BLOWS/FT P: TONS/50 FT T: BLOWS R: % ROD: %	MOISTURE CONTENT (%)	ATTERBERG LIMITS			DRY DENSITY POUNDS/CUFT	MINUS NO. 4 SIEVE (%)	MINUS NO. 10 SIEVE (%)	MINUS NO. 40 SIEVE (%)	MINUS NO. 200 SIEVE (%)	GROUNDWATER INFORMATION: Groundwater encountered at approximately 8' while sampling. Fluid (drilling mud and groundwater) measured at 8' about 4 hours after boring completion.									
				LL	PL	PI						SURFACE ELEVATION: 356.7									
DESCRIPTION OF STRATUM																					
	5	N = 5	13	NP	NP	NP	100	99	96	61	DOZER CLEARED										
	10	N = 3									SANDY SILT (ML) light brown very loose to medium dense										
	15	N = 36	15								no sample										
	20	N = 50/5 T = 50/1.4 50/0.4	12	NP	NP	NP	79	75	71	49	SILTY SAND with GRAVEL (SM) gray dense										
	25	T = 50/1.0 50/0.6									WEATHERED SANDSTONE gray poorly cemented										
	30	T = 50/0.5 50/0.3									WEATHERED SANDSTONE with thin LIMESTONE SEAMS gray with thin black seams poorly cemented										
	35	T = 50/0.8 50/2.2																			
	40	T = 50/0.8 50/0.5									Bottom of boring approximately 37 feet										
N - STANDARD PENETRATION TEST RESISTANCE P - POCKET PENETROMETER RESISTANCE T - TXDOT CONE PENETRATION RESISTANCE R - ROCK CORE RECOVERY RCD - ROCK QUALITY DESIGNATION										REMARKS: Approximate Boring Location: Station 107+50 at 20' LT of estimated proposed centerline location											

12/16/2016 N:\AD06 YANNUBEE CREEK\Drawings\AD06-15-FOUNDATION SHEET.dgn

LOG A GNNL01 KCS-10-02.GPJ LOG A GNNL01.GDT 8/29/11

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DESIGN	BP	06/16	McCURTAIN COUNTY BRIDGE OVER YANUBEE CREEK <h3>FOUNDATION SHEET</h3>
DRAWN	JH	06/16	
CHECKED	SK	06/16	
APPROVED			
SQUAD	KCS		

STATE J/P NO. 25468(04) SHEET NO. 14