



BORING LOG		BORING NO. B-03		PAGE 1 OF 2							
CLIENT: CIRCUIT ENGINEERING DISTRICT 8		ENGINEER: TYLER SCHRODER, PE									
LOCATION: INT OF NS255 & EW 52 CO. RDS., MAJOR COUNTY, OK		PROJECT: NEW BRIDGE OVER SAND CREEK-- J/P NO. 28348(04)									
GRAPHICS LOG	LAYER / MATERIAL DESCRIPTION Station= 102+86.71, 7.9 FT RT CL Surface Elev. = 1272.2 feet Veg. Thick.: 18" GR. CVR	DEPTH, FT.	SAMPLES			TESTS					
			USCS SYMBOL	NUMBER	TYPE	RECOVERY, IN.	SPT-N BLOWS / FT.	MOISTURE, %	DRY DENSITY, PCF	UNCONFINED STRENGTH, PSF	LIMITS (LL) (PL) INDEXES (PI) #200 SIEVE
	SOFT, RED BROWN, SILT WITH SAND ELEV. = 1264.7	5	ML	1	SS	18	7	19.1		LL = 23 PI = 19 #200 = 87.0%	
	VERY SOFT, RED BROWN, SANDY SILT ELEV. = 1258.2	10	ML	2	SS	18	4	20.0		LL = 21 PI = 19 #200 = 69.0%	
	VERY HARD, RED BROWN, LEAN CLAY WITH TRACES OF SAND (SHALEY) ELEV. = 1244.7	15	CL	3	SS	10	22/6*	16.7		LL = 36 PI = 21 #200 = 93.0%	
		CL	4	SS	18	54	21.0		LL = 39 PI = 25 #200 = 96.0%		
	SOFT, RED BROWN, LEAN CLAY ELEV. = 1244.7	25	CL	5	SS	16	26	19.0		LL = 32 PI = 23 #200 = 93.0%	
<b>REMARKS:</b> SOIL AND ROCK CLASSIFICATIONS ARE FROM DISTURBED SAMPLES. CORE SAMPLES AND FURTHER LABORATORY TESTING MAY REVEAL OTHER ROCK AND/OR SOIL TYPES. THE STRATIFICATION SHOWN IN THE SOIL AND ROCK ABOVE IS AN ESTIMATION OF IN-SITU CONDITIONS. THEREFORE, THE NATURAL TRANSITION BETWEEN SOIL AND ROCK TYPES MAY BE GRADUAL. * ESTIMATED FROM POCKET PENETROMETER											
 ARROWHEAD ENGINEERING COMPANY 3300 108TH AVE SE NORMAN, OK 73026 PHONE (405) 596-2642		WATER LEVEL OBSERVATIONS			DATE STARTED 6/10/15						
		WL	13 FT--WD	10 FT-AB	DATE COMPLETED 6/10/15						
		WL			RIG CME-75	FOREMAN C.K.					
		WL			REVIEWED C.K.	JOB NO. 1441					

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LOCATION: INT OF NS255 & EW 52 CO. RDS., MAJOR COUNTY, OK		PROJECT: NEW BRIDGE OVER SAND CREEK-- J/P NO. 28348(04)									
GRAPHICS LOG	LAYER / MATERIAL DESCRIPTION Station= 102+86.71, 7.9 FT RT CL (Continued) ELEV. = 1241.7	DEPTH, FT.	SAMPLES			TESTS					
			USCS SYMBOL	NUMBER	TYPE	RECOVERY, IN.	SPT-N BLOWS / FT.	MOISTURE, %	DRY DENSITY, PCF	UNCONFINED STRENGTH, PSF	LIMITS (LL) (PL) INDEXES (PI) #200 SIEVE
	MODERATELY HARD TO HARD, RED BROWN, WEATHERED SHALE (SILTY, SANDY) ELEV. = 1221.33	35		7	TCP	0	24/6*	17.1		LL = 30 PI = 18 #200 = 98.0%	
		RB		8	TCP	0	50/1.38*				
		40		9	TCP	0	50/1.0*				
		RB		10	TCP	0	50/1.5*				
	Bottom of Boring at 50.87 feet	45		10	TCP	0	50/0.88*				
		RB		11	TCP	0	50/0.38*				
		50		11	TCP	0	50/0.75*				
		55					50/0.50*				
		60									
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MAJOR COUNTY SAND CREEK

BORING LOGS  
B-03

J/P NO. 28348(04) SHEET NO. B007