



BORING LOG		BORING NO. B-02		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+12.97, 11.6 FT RT CL Surface Elev. = 1271.3 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
	VERY LOOSE, RED BROWN WITH WHITE SEAMS, SILTY SAND ELEV. = 1253.8	5	SM	1	SS	16	4	10.4			LL = NP PL = NP PI = NP w ₂₀₀ = 23.0%
	VERY LOOSE, RED BROWN, POORLY GRADED SAND ELEV. = 1258.3	10			HS						LL = NP PL = NP PI = NP w ₂₀₀ = 8.0%
	VERY HARD, RED BROWN, LEAN CLAY WITH TRACES OF SAND (SHALEY) ELEV. = 1247.8	15			HS						LL = 42 PL = 24 PI = 18 w ₂₀₀ = 94.0%
	SOFT, RED BROWN, LEAN CLAY WITH SAND ELEV. = 1245.8	25			HS						LL = 35 PL = 12 PI = 23 w ₂₀₀ = 97.0%
	MODERATELY HARD TO HARD, RED BROWN, WEATHERED SHALE (SILTY, SANDY)				RB						
REMARKS: 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 6/9/15							
		WL	9 FT--WD	7 FT--AB	DATE COMPLETED 6/9/15						
		WL			RIG CME-75	FOREMAN C.K.					
		WL			REVIEWED C.K.	JOB NO. 1441					

BORING LOG		BORING NO. B-02		PAGE 2 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+12.97, 11.6 FT RT CL (Continued)	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
					HS						
	MODERATELY HARD TO HARD, RED BROWN, WEATHERED SHALE (SILTY, SANDY) (continued) ELEV. = 1225.43	35			RB						
		40			RB						
		45			RB						
	Bottom of Boring at 45.87 feet	50			RB						
		55			RB						
		60			RB						
REMARKS: 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 6/9/15							
		WL	9 FT--WD	7 FT--AB	DATE COMPLETED 6/9/15						
		WL			RIG CME-75	FOREMAN C.K.					
		WL			REVIEWED C.K.	JOB NO. 1441					

MAJOR COUNTY SAND CREEK

BORING LOGS
B-02

J/P NO. 28348(04)

SHEET NO. B006