	ſ	DEPARTMENT O	F OKLAHOMA F TRANSPORTATION EY DIVISION	
SWO	4843(1) J/P 28	8825(04)	; E.C. 1394-	Woodward Co.
()		f 1983 on Plane Coordin		Zone.
Oklaho		coordinates were the combined ad	e derived by multiplying the Oklahor justment factor of 1.00010. The OE	
1.	Primary Control Stations	adjusted to	OBTAINED BY OPUS SOL	LUTIONS (B) Order
	A) Closure before adjustment		; Y	Angles
	Trav. Length B) C) Method of Distance Measur () Electronic ()	; is	Angles () Order before adjustment. () Triangulation	; 1: () Chained
	D) Instrument used for angles			()
2.	Secondary Control adj	usted to	Primary Control W-77-713, W-77-714	(B) Order
	Closure before adjustment X Secondary Control d of Distance Measurement:	; is (; Y; Tied to	Angles
VERTIC	D) Instrument used for angles AL CONTROL IS (3rd) (3RD) order and tied to AL CLOSURE = 0.03 feet before adjus	order. Level Lin OBTAINED BY OPU tment. 3rd order wo	US SOLUTIONS (3RD) order. ould allow 0.049 feet.	UMINUM CAP W-77-713 NGVD 29 datum
(1)	ACY DEFINITION: HORIZONTAL: (3rd Order = Class		(X)	NAVD 88 datum
(2)		ss II = 1 : 5,000') 7 Ft. x sqrt. of Mi. 60 Ft. x sqrt. of Mi.		rder = 0.035 Ft. x sqrt. of Mi.)
	/survey reports each Alignment		JOSEPH H. FARMER Professional Land Surveyo	or
			April 24, 2013	_
Rev. 11	(FORM SD #20) /03		Date	

	UTILITY OWNERS CONTACT INFORMATION				
	OWNER	ADDRESS	PHONE		
OG&E		3220 S. HIGH ST. OKLAHOMA CITY, OK 73129	405-553-0902		
	ONEOK/ONG GAS TRANSPORTATION	4901 N. SANTE FE AVE. PO BOX 401 OKC, OK 73118	405-556-6411		
PIONEER TELEPHONE		205 E. ROBERTS KINGFISHER, OK 73750	405-375-0255		



THIS SURVEY MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, MAY 11, 2007.

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION

SURVEY OF

STATE HIGHWAY 34

BRIDGE OVER SOUTH PERSIMMON CREEK,
4.9 MILES NORTH OF THE DEWEY COUNTY LINE

SWO 4843(1) STATE JOB NO. 28825(04),

WOODWARD COUNTY

	R-21-W R-20-W		TO SHARON			W - C	R-19-W	T O1 N	
EW 53			~~\				7	T-21-N T-20-N	
EW 54	6	5	4	3	2	1			
EW 55	7	8 %	•	ήδ	7.	12	ST	A. 2329+41.50	
EW 56	18	17	16	15	14	13		END PROJECT	
EW 57	30	20	21	27	26	25	S	TA. 2279+25.78 BEGIN PROJECT) :
EW 58	3:1	32	33 INDIAN	34	335	36 } -		T 20 N	
EW 59		NS 204				1 1 000 SN		T-20-N T-19-N	
	PROJE(CT LEN	GTH:	5,01	5.72 F	₹ Ţ. (0.95	MILE	
	EQUAT			BOP EOP	STA.			+25.78 +41.50	
	FXCFP1	LIONS		NONE					

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NOVEMBER 14, 2012

MARCH 19, 2013

INDFX	ΩF	SHEETS

SDS 1. TITLE SHEET
SDS 2. HISTORICAL LETTER
SDS 3. LEVEL WORKSHEET

LEVEL WORKSHEET ALIGNMENT REPORT

COGO LIST

SDS 4. CONTROL MAP & INFO.
SDS 5-6. SURVEY DATA SHEETS

SDS 7-8. LAND TIES

PERSONNEL:

JOE FARMER, P.L.S. TECHNICIAN MANAGER 2 TANNER WENTWORTH, L.S.I. SURVEY INTERN 1 BRIAN BIRD, L.S.I. SURVEY INTERN 1 COREY SIMMONS, TECHNICIAN 1

SAM MCGEE, TECHNICIAN 1
ERIC MENTZER, TECHNICIAN 3
ERIC OLDHAM, TECHNICIAN 1
MATTHEW OVERALL, TECHNICIAN 1
REBECCA ROBIGHAUX, TECHNICIAN 2

PARKER KUGLER, TECHNICIAN 1
MATTHEW CHERNICKY, LEAD ROW AGENT

EQUIPMENT:

TOPCON GR3 GPS
TOPCON HIPER II GPS
TOPCON IS 3" IMAGING ROBOTIC TOTAL STATION

SURVEY BEGAN:

SURVEY COMPLETED:

TOPCON FC-2500 DATA COLLECTORS
GPT-9005A 5" ROBOTIC TOTAL STATION
TOPCON GPT 3000W TOTAL STATION
TOPCON GPT 3005W TOTAL STATION
TOPCON GTS 3000 TOTAL STATION
TOPCON GTS 313 TOTAL STATION

TRIMBLE TSC 1 DATA COLLECTORS TRIMBLE TSC 2 DATA COLLECTORS TRIMBLE 5700 GPS TRIMBLE 5800 GPS

SOKKIA SDL 30 DIGITAL LEVEL INROADS WORKING IN AUTOCAD PLATFORMS

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION

SWO 4843(1) JOB/PIECE 28825(04)

ENGR. CONTRACT NO. 1394

LAND SURVEYORS CERTIFICATION

I hereby certify that all land and property sub-division distances, angles, corners and monumentation made or used in conjunction with this survey and depicted or recorder herein or hereon were recovered, established or re-established in substantial conformity with:

- applicable instructions contained in the U.S. Government Bureau of Land Management publication "Manual of Screeying Instructions";
- its supplement, "Restoration of Lost or obliterated Corners and Subdivision of
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by the State Board of Registration for Professional Ungineers and Land
- surveyors; and
 sound land surveying practices;

including a thorough search, study, analysis and consideration of all existing records and field evidence.

I further certify that all survey monuments depicted exist and that all land survey work was done by me or under my direct supervision and that it is true, accurate and correct to the best of my knowledge and belief.

Dated this 24 day of APRIL , 20/3

nd Surveyor Asignature

Joseph H. Farmer Printed Name

Oklahoma Registered Land Surveyor No. <u>1799</u>

Certificate of Authorization No. 32 Exp. Date June 30, 2014

DATE APPROVED_______BY _____CHIEF OF SURVEYS

JOSEPH H. F COBB ENGIN

PREPARED BY:
JOSEPH H. FARMER, PLS
COBB ENGINEERING COMPANY

COBB

PREPARED FOR:

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SURVEY DIVISION

SHEET NO. 10

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED FEBRUARY 2007 GOVERN.