

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF
STATE HIGHWAY 44
SWO 4837(1)
J/P NO. 28774(04)
WASHITA COUNTY
S.H. 44, BRIDGE OVER DRY ELK CREEK,
0.3 MILES NORTH OF S.H. 55 IN SENTINEL

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
REVISIONS					DATE
DESCRIPTION					

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 4837(1) J/P 28774(04) : _____ CO. Washita

HORIZONTAL CONTROL:
 Oklahoma Coordinate System of 1927 _____ Zone.
 Oklahoma Coordinate System of 1983 (93) South Zone.
 Oklahoma Dept. of Transportation Plane Coordinate System of 1927 _____ Zone.
 Oklahoma Dept. of Transportation Plane Coordinate System of 1983 _____ Zone.
 Arbitrary Coordinate System _____

HORIZONTAL PLANE DATUM DEFINITION:
 Oklahoma Department of Transportation coordinates were derived by multiplying the Oklahoma Coordinate Systems of 1927 or 1983 by the combined adjustment factor of 1.00010. The ODOT Coordinate System is 2350 feet above sea level.

1. Primary Control adjusted to NGS (C) Order
 Stations _____
 A) Closure before adjustment X _____ Y _____ Angles _____
 Trav. Length _____ No. Angles _____ ; 1: _____
 B) _____ ; is () Order before adjustment.
 C) Method of Distance Measurement:
 Electronic GPS Triangulation Chained
 D) Instrument used for angles Topcon GPS GR3

2. Secondary Control adjusted to Primary Control (D) Order
 Stations _____
 A) Closure before adjustment X _____ Y _____ Angles _____
 B) _____ ; is () Order, Tied to _____
 C) Method of Distance Measurement:
 Electronic GPS Triangulation Chained
 D) Instrument used for angles Sokkia Total Station Set 3 130r3

VERTICAL CONTROL IS 3rd order. Level Line taken from _____
 order and tied to _____ order. NGVD 29 datum NAVD 88 datum

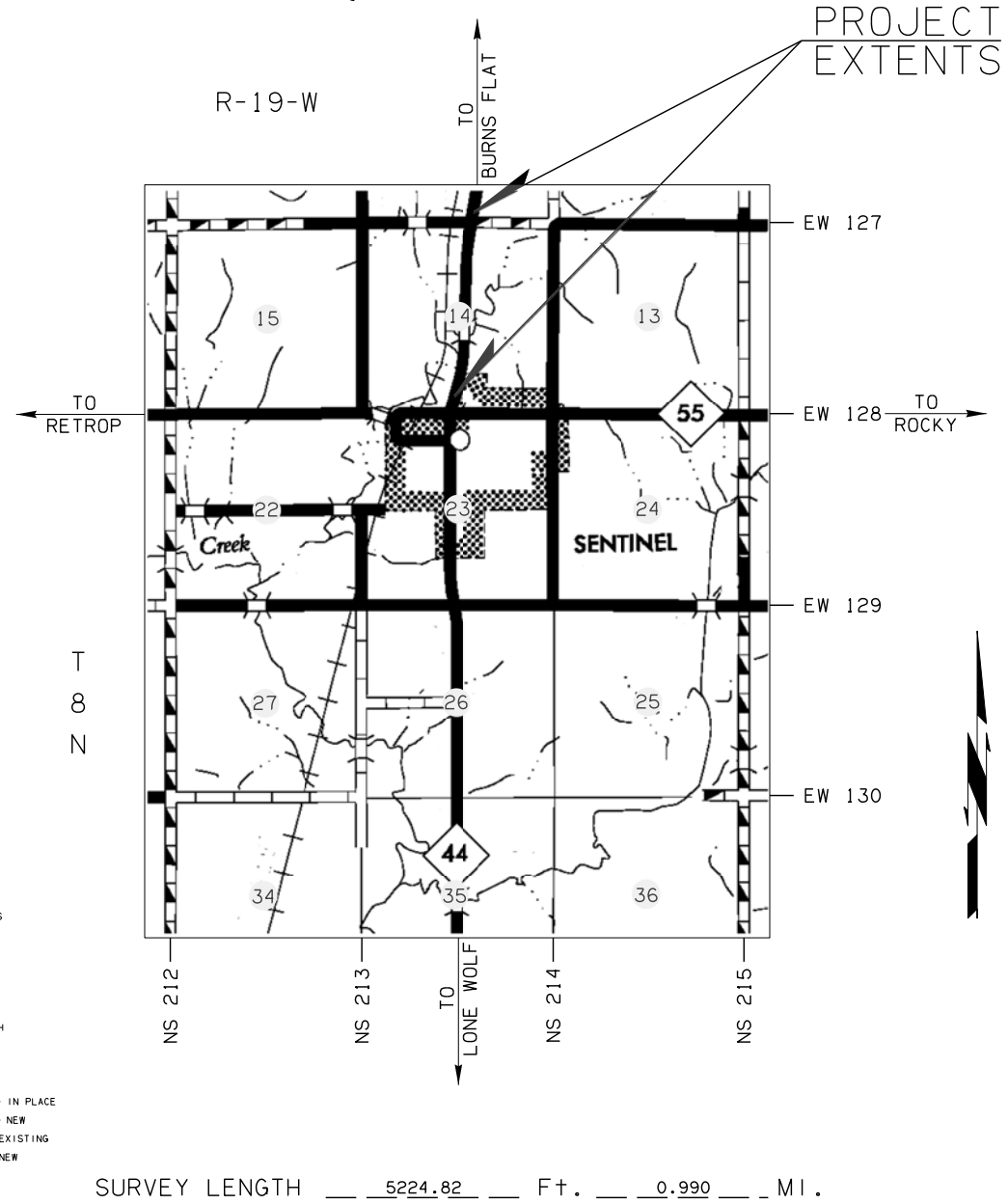
ACCURACY DEFINITION:
 (1) HORIZONTAL: (3rd Order = Class I = 1 : 10,000')
 (3rd Order = Class II = 1 : 5,000')
 (2) VERTICAL: (1st Order = 0.017 Ft. x sqrt. of Mi.) (2nd Order = 0.035 Ft. x sqrt. of Mi.)
 (3rd Order = 0.050 Ft. x sqrt. of Mi.)

Distribution:
 Copy w/survey reports _____ Cliff R. Stout Jr.
 Copy in each Alignment _____ Professional Land Surveyor
 and level book _____
 _____ December 14, 2012
 _____ Date
 (FORM SD #20)
 Rev. 11/03

Index of Sheets
 1. Title Sheet
 2. Historical Letter and Written Report
 3. Historical Letter and Written Report
 4. Check Levels & Alignment Report
 5. Cogo Report
 6. Horizontal Control
 7. Survey Data Sheets
 8. Land Tie Data Sheet

Survey Began 7-20-12
 Survey End 12-28-12

Personal:	Title:	Equipment:	Serial#
Cliff R. Stout Jr.	Professional Land Surveyor	Sokkia 130R3 Total Station	D22819
Thomas D. Lee	Professional Land Surveyor	Sokkia Allegro Data Collector	30139
Tim Endsley	Senior CADD Technician	Sokkia Allegro Data Collector	30126
Mandy Palmatary	Administrative Support	Sokkia Total Station Set 3 130r3	141740
Brad Cypert	Senior Party Chief	Topcon FC-2200 Data Collector	TPS100191
Brian Hale	Party Chief	Topcon GPS GR3 Receiver	444-0405
Sam Gibson	Party Chief	Topcon GPS GR3 Receiver	444-0402
Jason Arnold	Instrument Man	Topcon GPS GR3 Receiver	444-0456
Josh Pridemore	Instrument Man	Topcon GPS GR3 Receiver	444-458
Caleb Avery	Instrument Man	Topcon FC-2500 Data Collector	558-2012
Teresa Lenox	Hydraulic Technician	Trimble Digital Level DiNi	707885
Carissa Palmer	Utility Technician		



CONVENTIONAL SYMBOLS

	PROPOSED ROAD
	RAILROADS
	RANGE & TOWNSHIP
	SECTION LINES
	QUARTER SECTION LINES
	FENCES
	GROUND LINE
	EXISTING ROADS
	BASE LINE
	GRADE LINES
	TELEPHONE & TELEGRAPH
	POWER LINES
	BUILDINGS
	OILWELL
	DRAINAGE STRUCTURES - IN PLACE
	DRAINAGE STRUCTURES - NEW
	RIGHT-OF-WAY LINES - EXISTING
	RIGHT-OF-WAY LINES - NEW
	CONTROLLED ACCESS
	RIGHT-OF-WAY FENCE

Utilities

Utility	Phone Number
Electric Lines: Public Service of Oklahoma	(800) 522-6543
Gas Lines: ONG (Oklahoma Natural Gas)	(405) 522-1805

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 4837(1) Job / Piece 28774(04) Engr. Contract No. 1394

LAND SURVEYOR'S 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 recorded 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 Surveying Instructions";
- its supplement, "Restoration of Lost or Obliterated Corners and Subdivision of Sections";
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by the State Board of Registration for Professional Engineers 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 14th day of December, 2012

Land Surveyor Cliff R. Stout Jr.
Signature

Cliff R. Stout Jr.
Printed Name

Oklahoma Professional Land Surveyor No. 1473

Certificate of Authorization No. 3949 Exp. Date: June 30, 2013

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 17, 2010.

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PLS	CRS	DATE	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	TDL	12/12	 SURVEY DATA SHEET 100 N.E. 5th Street Oklahoma City, OK 73104 Telephone: (405) 840-7094 FAX: (405) 840-5116
CHECKED	JAC	12/12	
APPROVED	CRS	12/12	
CREW	BC, SG, BH		
SWO <u>4837(1)</u> PROJECT NO. <u>28774(04)</u> SHEET NO. <u>SD01</u>			