

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
0	OKLA.				

SURVEY DATA SHEETS

SURVEY CONTROL DATA

1. HORIZONTAL CONTROL:

- A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM, NAD83 (2007), (NORTH ZONE).
- B. ACCURACY - THE PRIMARY CONTROL NETWORK, THE SECONDARY CONTROL NETWORK AND SECTION BOUNDARIES FOR THIS SURVEY ARE IN GENERAL COMPLIANCE WITH THE NGS SECOND ORDER, CLASS II STANDARDS FOR HORIZONTAL CONTROL (1:20,000).

2. BEARINGS:

THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL. THE ANGLE OF VARIANCE BETWEEN GRID NORTH (GN) AND THE ASTRONOMICAL TRUE NORTH (TN) IS DEPICTED DIAGRAMMATICALLY.

3. VERTICAL CONTROLS:

- A. LEVEL DATUM IS NGS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)
- B. ACCURACY - VERTICAL CONTROL FOR THIS SURVEY IS WITHIN THE CLOSURE REQUIREMENT OF NOAA/NGS "CLASSIFICATION, STANDARDS OF ACCURACY, AND GENERAL SPECIFICATIONS OF GEODETIC CONTROL SURVEYS" (FEB. 1974, REPRINTED FEB. 1977) THIRD ORDER STANDARDS AS A MINIMUM.

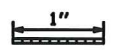
SURVEY BEGAN: JANUARY 12, 2008.
SURVEY COMPLETED: APRIL 10, 2008.

GARY S. RHOADS, PROFESSIONAL LAND SURVEYOR
JASON M. WHITTENBERG, TRANSPORTATION SPECIALIST LEVEL III
RUSSELL E. HUBER, TRANSPORTATION SPECIALIST LEVEL II
CURTIS S. HINDS, TRANSPORTATION SPECIALIST LEVEL II
JEREMY G. TURNER, SURVEY TECHNICIAN II

EQUIPMENT:

EE-129 SYSTEM 500 GPS UNIT
EE-130 SYSTEM 500 GPS UNIT
EE-135 SYSTEM 500 GPS UNIT
EE-211 SYSREM 1200 GPS UNIT
EL-413 WILD NA 2002 DIGITAL LEVEL
ET-492 TC 1800 TOTAL STATION
TCRA 1203 TOTAL STATION
RANGER HAND HELD GPS CONTROLLER SN 00011193
EC-0023 ALLEGRO HAND HELD GPS CONTROLLER

SCALES



SURVEY DATA SHEETS 1" = 100'

GEOMETRIC DATA SHEETS 1" = 500'

CONVENTIONAL SYMBOLS

- RAILROADS
- RANGE & TOWNSHIP
- SECTION LINES
- QUARTER SECTION LINES
- FENCES
- EXISTING ROADS
- BASE LINE
- TELEPHONE & TELEGRAPH
- POWER LINES
- BUILDINGS
- OILWELL
- DRAINAGE STRUCTURES - IN PLACE

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, JUNE 11, 2001.

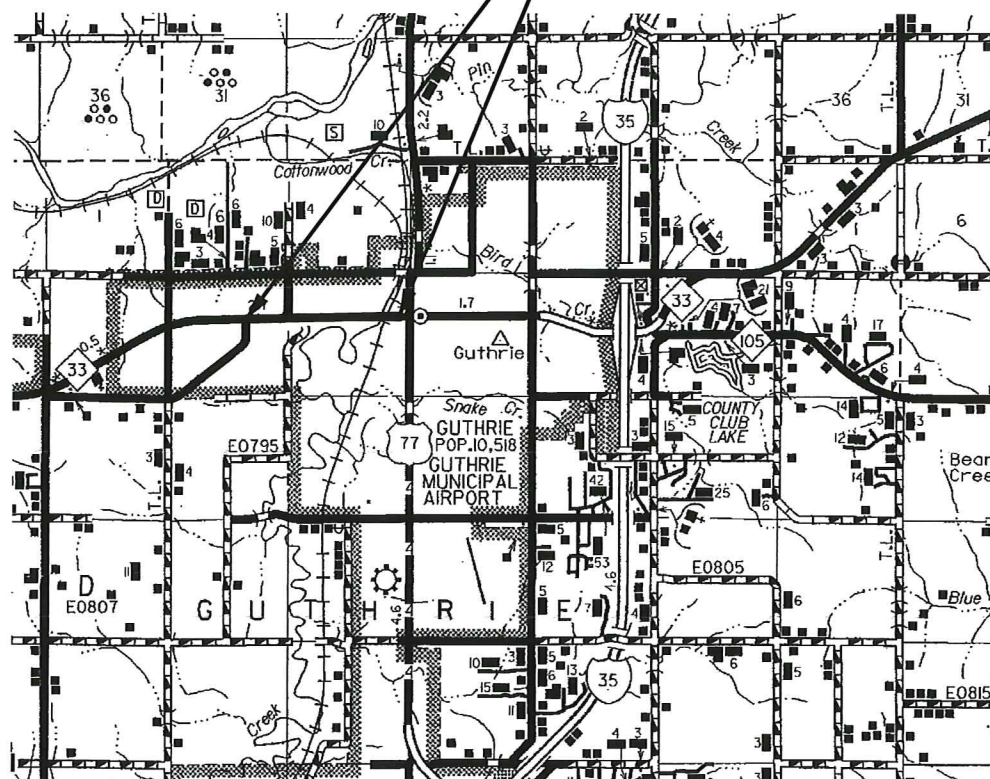
811 the new national "Call Before You Dig" number.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED SEPTEMBER 11, 2001 GOVERN.

SDS 1 OF 17

PROJECT LOCATION

SURVEY EXTENTS



LOGAN COUNTY
SH 33
SWO 4432(I)
STATE JOB NO. 21860(04)

Electronic File Transfer Disclaimer:

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INDEX OF SURVEY SHEETS

1. TITLE SHEET
- 2-4. SURVEY INFORMATION (notes, letters)
- 5-8. COGO POINTS & ALIGNMENT DATA
9. HORIZONTAL CONTROL DIAGRAM
- 10-15. SURVEY DATA SHEETS
- 16-17. GEOMETRIC DATA SHEETS

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 4432(I)

Job/Place 21860 (04)

Engr. Contract No. _____

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:

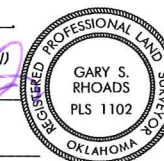
- applicable instructions contained in the U.S. Government Bureau of Land Management publication "Manual of Surveying Instructions";
- its supplement, "Restoration of Lost or Obliterated Corners and Subdivision of Sections";
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted 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 16 day of APRIL, 2009

Land Surveyor  (sg01)
Signature
GARY S. RHOADS
Printed Name



Oklahoma Registered Land Surveyor No. 1102

Certificate of Authorization No. _____ Exp. Date _____

OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION			
PLS	GSR	SURVEY DATA SHEET	
DRAIN	JMW		
CHECKED	CSH		
APPROVED			
CREW	EL RENO		

SWO 4432(I) STATE JOB NO. 21860(04) SHEET NO. 001