

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
|                     | OKLA. |           |             |           |              |

| DESCRIPTION | REVISIONS | DATE |
|-------------|-----------|------|
|             |           |      |

10. Topography/Digital Terrain Model:

Topography on this project was obtained from conventional field level topography using Trimble S-6 Robotic Total Stations, Trimble R8 GPS receivers with Trimble TSC-2 data collectors, and using Carlson RTK GPS receivers with Carlson Surveyor+ data collectors. All paving, structures, and finished floor elevations were obtained with the total stations. GPS RTK surveying was used for land ties and miscellaneous topography. As a minimum, the coverage bandwidths for topographic and/or surface features data obtained on this survey are as follows:

- 200 feet right and left of the Centerline of Survey from the Beginning of Survey to Station 299+00, thence;
- 500 feet right and left of Centerline of Survey from 299+00 to Station 309+00, thence;
- 200 feet right and left of the Centerline of Survey from Station 309+00 to the End of Survey.

11. Land Ties:

Complete land tie information was obtained by a combination of conventional field methods and real-time kinematic (RTK) GPS as needed to purchase new right-of-way, including the bounding out of all sections through which the survey centerline passes.

West Quarter Corner of Section 3, T-25-N, R-17-E, I.M.

I set a magnetic nail with a shiner stamped "CA-1427" at a position established by using ties to the section corners north and south of the position recorded in plans FAS No. S-57(2) for the north/south position. In this plan set it depicts the section line running through the center of the bridge over Salt Creek roughly 1000 ft. north of the 1/4 corner position. The east/west position was established by the intersection of a line running due west of the north/south position and a line running south from the section corner north of the position and through the midpoint of the bridge.

West Quarter Corner of Section 4, T-25-N, R-17-E, I.M.

I set a 3/8" iron pin with a cap stamped "CA-1427" at a position established by using record distances from a section breakdown in the Plat of Boundary Survey for the Oologah Reservoir by W.R. Meeks on December 23rd, 1964.

12. Right-of-Way:

The existing rights-of-way shown on this survey are established by the direct relationship between field observation and the right-of-way depicted on FAS No. S-57 (2) plans. A thorough search for documents to support this depiction was performed at the Nowata County Clerk's Office along with a search performed at Oklahoma Department of Transportation - Right-of-Way Division. No documents were recovered in these efforts.

This includes, as a minimum, the complete mathematical bounding of all parcels that fall partially or completely within the survey coverage limits. "Property division" includes present rights-of-way. The present rights-of-way have been tied to the centerline of survey and shown on the submitted survey notes.

13. Utilities:

Note: All utilities are shown as flagged by the utilities contacted or their representatives. All utilities serving the project area were contacted through OKIE One-Call. All utility locations are approximate, and depths and types are unknown. The utility locations shown on this survey are based on the flagged locations as performed by the utility owners or their contractors. Any inaccuracies or omissions are the responsibility of the utility owners and/or their contractors, and Guy Engineering Services accepts no responsibility for their failure to respond to the OKIE survey requests. Contact CALL OKIE at 1-800-522-OKIE.

14. Drainage:

Drainage areas for all drains crossing the Survey Centerline were taken from USGS quad maps scanned into a Microstation Design File.

15. Data Submitted:

- Computer files:
1. SWO4851\_1\_v1.dgn -Survey Data Sheets
  2. SWO4851\_1\_v1\_TOPO.dgn -Topographic/Planimetric Data
  3. SWO4851\_1\_v1\_sff.dgn -Surface Feature File
  4. SWO4851\_1\_v1\_TRI.dgn -DTM Triangle Drawing
  5. SWO4851\_1\_v1\_dra.dgn -Drainage Area Map
  6. SWO4851.txt -Cogo Points
  7. PDF versions of all hard copied documents.

| OKLAHOMA DEPARTMENT OF TRANSPORTATION<br>SURVEY DIVISION |           |
|--|-----------|
| PLS  | DMM       |
| DRAWN  | VKM       |
| CHECKED  | CAC       |
| APPROVED   | DMM       |
| CREW   | GES, INC. |

**SURVEY DATA SHEET**

SWO 4851(1) PROJECT NO. 28857(04) SHEET NO. S003