

# STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION

REV. NO.	DESCRIPTION	DATE
1	BENCHMARK CORRECTIONS	3-16-2016

### LAND TIES

Land ties for this survey were from found existing corners filed by local surveyors and corners set by standard methods from those corners. The original surveys for this area were done in the 1870's and no original monuments were found. The land corners used for this survey are those corners being used for present day surveys.

### CONTROL DATUM

Horizontal control datum is Oklahoma State Plane Coordinate System NAD83(1993) Lambert Projection North Zone. The distances, coordinates and elevations shown in this survey are U.S. Survey Feet. All angles and bearings shown are in degrees, minutes and seconds.

Vertical datum is NAVD88. A bench mark list is included hereon.

### CENTERLINE OF SURVEY

The center line of this survey was established by the consulting engineer for this project and was placed on the ground by Delta surveying & Engineering Co. This centerline or CRL has been set and the major control points, PI's PC's, PT's and POT's have been set and referenced as per ODOT requirements as best as is practical and possible.

### SURVEY CONTROL

Horizontal control for this project was established by Aerial Data Services for aerial photo control and was then used by Delta Surveying & Engineering Co. for the land surveys and miscellaneous topographic surveys on the site. A network of about 60 monuments were set by ADS by static GPS using points Albert, K218, U216, and T194.

Vertical control was established by ADS on these same 60 monuments by differential leveling. The reported closures were within their required tolerance.

This horizontal and vertical control was established at the beginning of this project and is being used for every facet of the work.

Survey methods include Static GPS, RTK GPS, Electronic Total Station, Data Collection and Differential Leveling.

STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION

F.A.P. No. OKCY-XTWN-(070)TI

Job/Piece 17428 (80)

Control Section No.55-69

### 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 3<sup>RD</sup> day of MARCH 2016

Land Surveyor *David W. McCann*  
Signature  
David W. McCann  
Delta Surveying & Engineering Co.

Oklahoma Registered Land Surveyor No. 1118

Certificate of Authorization No. 990 Exp. Date 6/30/16



BENCHMARK TABLE					
POINT #	STATION OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
Benchmark #53	STA. 163+61.20 306.96' RT.	N 169368.731	E 2108485.095	Elev. =1187.370'	Found cut "X" T/C PC NE-E Reno & Western
Benchmark #54	STA. 165+46.43 103.57' LT.	N 169721.273	E 2108760.737	Elev. =1196.130'	Found cut "X" T/C PCR SW-W California & Classen
Benchmark #55	STA. 167+86.35 145.57' RT.	N 169409.032	E 2108906.189	Elev. =1193.650'	Set cut "X" T/C PC NW-N Reno & Classen
Benchmark #209	STA. 162+01.49 387.79' LT.	N 170081.104	E 2108461.002	Elev. =1196.822'	Set cut "X" T/C PC SE-S Sheridan & Western
Benchmark #210	STA. 169+75.79 302.74' LT.	N 169722.210	E 2109308.992	Elev. =1196.634'	Set cut "X" T/C PCR SE-E California & Francis
Benchmark #211	STA. 174+71.86 376.18' LT.	N 169559.021	E 2109755.508	Elev. =1195.972'	Set cut "X" T/C E PCR of N Alley on Shartel between California & Reno

This Plot of 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.

DESIGN		OKLAHOMA DEPARTMENT OF TRANSPORTATION  Section 33, T12N-R3W, IM  PROJECT NO. <u>OKCY-XTWN (078)</u> STATE JOB NO. <u>17428 (88)</u> SHEET NO. <u>S3</u>
DRAWN	LJ	
CHECKED	DWM	
APPROVED		