

SURVEY CONTROL DATA

1. HORIZONTAL CONTROL:

A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM, NAD83 (1993), LAMBERT PROJECTION (SOUTH 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 NAVD 88.

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: June 1, 2021.  
SURVEY COMPLETED: January 10, 2022.

JAMES W. PERCER, PROFESSIONAL LAND SURVEYOR I  
CLAYTON MACK, TRANSPORTATION SPEC. VI  
ANTHONY PRIDDY, TRANSPORTATION SPEC. V  
JOSEPH SPRINGFIELD, TRANSPORTATION SPEC. V

EQUIPMENT: LEICA M60 MULTISTATION  
LEICA SYSTEM GS18 FOR RTK SURVEY

SURVEY EXTENTS



1" = 100  
1" = 500

- 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, NOVEMBER 01, 2020.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED JANUARY 2018 GOVERN.

SDS 1 OF 28

SURVEY DATA SHEETS

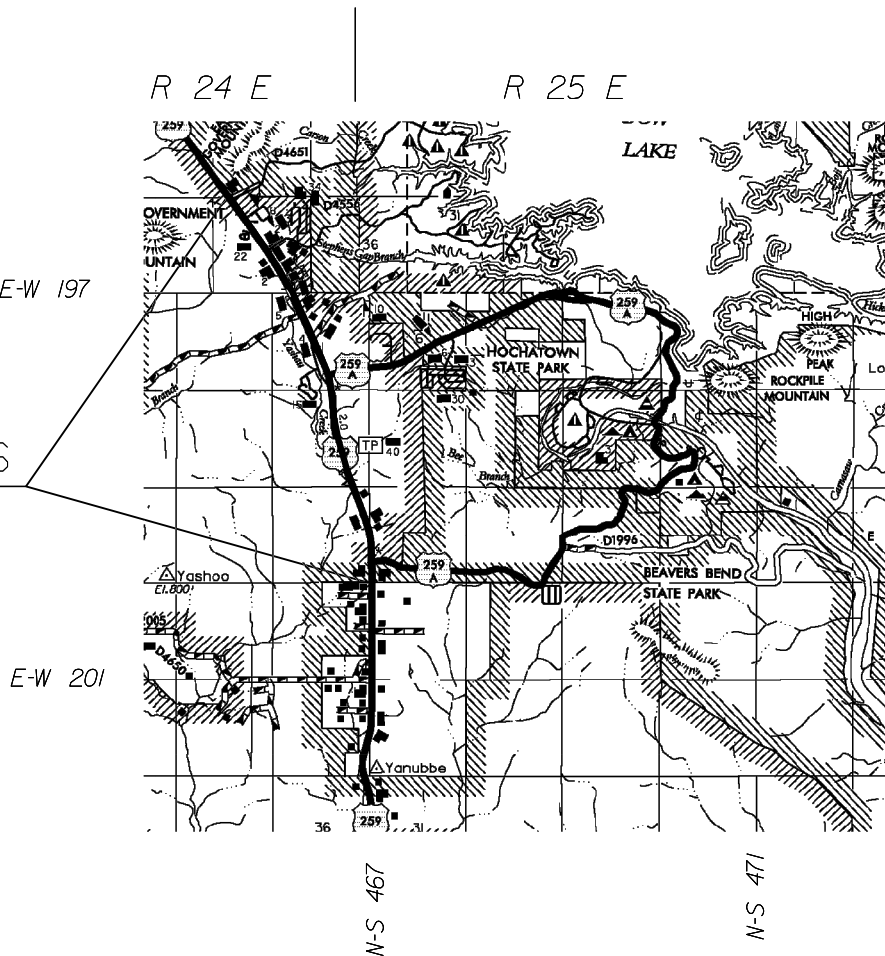
McCURTAIN COUNTY

U.S. 259

SWO 5534(1)

STATE JOB NO. 34333(04)

PROJECT LOCATION



Electronic File Transfer Disclaimer:

These Files, Drawings and/or Notes are provided for information only. The Oklahoma Department of Transportation (ODOT) and the Owner cannot be held responsible for the content or accuracy of these Files, Drawings and/or Notes due to conversions, software translations, or any other manipulation of said Files, Drawings and/or Notes. ODOT expressly disclaims any responsibility arising from any use of these Files, Drawings and/or Notes. To the full extent permitted by applicable law, the recipient of these Files, Drawings and/or Notes hereby agrees to defend, indemnify, and hold harmless ODOT and the Owner from and against any and all claims, suits, actions, damages, loss, liability or costs of every nature or description (including reasonable attorney's fees) arising from, or in any way attributable to or connected with any of these Files, Drawings and/or Notes.

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

INDEX OF SURVEY SHEETS

- Title Sheet
- 2-3. Historical Letter & Written Report
- 4-5 Alignment Report
6. Cogo Points List
7. Benchmark List
- 8-9. Survey Data Sheets

STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION

SWO 5534(1) Job/Piece 34333 (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 13th day of January, 2022.

Land Surveyor

Signature

James Wiley Percer, PLS  
Printed Name

Oklahoma Registered Land Surveyor No. 2013

Certificate of Authorization No. Exp. Date



PLS	JWP	OKLAHOMA DEPARTMENT OF TRANSPORTATION			
DRAWN	JWP	SURVEY DIVISION			
CHECKED		SURVEY DATA SHEET			
APPROVED	BLB				
CREW	ANTLERS	SWO 5534 ( 1 )	STATE JOB NO. 34333 (04)	SHEET NO. S001	

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

OKLAHOMA DEPARTMENT OF TRANSPORTATION  
Survey Division (405) 521-2621 Fax 405-522-0364

Date: January 13, 2021

To: Mr. Kyle King, Chief of Surveys  
From: James W. Percer, Professional Land Surveyor  
Subject: SWO 5534(1) - J/P 34333(04)

US 259 McCurtain County

From U.S. 259 and the South S.H. 259A intersection,  
extend Northerly approximately 6 miles to U.S. 259 and the  
Golf Course Road Intersection.

HISTORICAL LETTER AND WRITTEN REPORT

Method of Survey - Conventional Survey Methods  
Units of Measurement - U.S. Survey Foot.  
Survey Began - June 01, 2021  
Survey Completed - January 13, 2022

1. General

Previous Surveys and plans used on this project.  
Plans:  
FAP-002(3)  
FAP-002(5)  
FAP-002(7)

Surveys:  
SWO 2107(1)

2. Survey Assignment:  
This project was assigned to the Antlers Survey Crew, under my direct  
supervision by Jeff King, Assistant Chief of Surveys.

3. Purpose of Survey:  
The purpose of this survey is to obtain adequate information for an  
alignment study of U.S. 259.

4. Survey Limits:  
From U.S. 259 and the South S.H. 259A intersection, extend Northerly  
approximately 6 miles to U.S. 259 and the Golf Course Road Intersection.  
The survey extended 150' right and 150' left of Centerline.

5. Alignment:  
The alignment for this survey is along existing Centerline of Survey of  
U.S. 259 as shown on plans listed above , which were obtained from Print

Services at the Central Office. Centerline was established using  
calculated centerline data obtained from the previously referenced plans  
and surveys, and tied to found reference monuments.

6. Stationing  
Stationing for this project along the centerline of U.S. 70 is from  
NHFP1-207N(010) plans. The beginning station for U.S. 70 alignment is 318  
+00.00.

Stationing continues Northerly, following previous survey and plans  
stationing without equation.  
Stationing along SH 259A begins at the Centerline of US 259, being station  
0+00.00, and continues Easterly without equation.

7. Horizontal Control:  
Horizontal Control for this survey is the Oklahoma State Plane Coordinate  
System, South Zone. Control points were set for this project. Static GPS  
data was collected on those points and a fully constrained horizontal  
adjustment was performed using OPUS Projects to establish X and Y  
coordinate values.

8. Vertical Control:  
Level datum for this survey is (NGS) N.A.V.D. 88, with the primary  
benchmark being NGS Benchmark EK0294 (V 165).  
Additional benchmarks were set on this project, established by a double  
run of differential levels. The complete Benchmark List containing  
descriptions and amount of adjustment can be found in the project archive  
and as graphics in the Survey Data Sheets. This survey meets the  
requirements of N.G.S. 3rd order standards as a minimum.

9. Topography:  
Topographic information was obtained by conventional field methods as  
necessary, using Leica RTK GPS and total station. The field data have  
been combined and the digital file has been archived as SWO5534\_1\_V1 TOPO  
per Department policies and instructions.

10. Surface features:  
The surface features on this project were obtained by conventional field  
methods, using Leica RTK GPS and total station, as well as mobile Lidar  
and USDA surface information. The field data have been combined with the  
Lidar and USDA data. A Surface File (SFF), which is an Open Roads  
Designer Design File containing breaklines and random ground points as  
well as triangles for contouring and quantity computations has been  
created and archived as per instructions.

11. Land and Property Ties  
Complete land ties were prepared as part of this survey on Sections 18,  
in Township 5 South, Range 25 East, Sections 13, 12 and 1 in Township 5  
South, Range 24 East and Sections 35, 26, 27 and 22 in Township 4  
South, Range 24 East of the Indian Base and Meridian. New Oklahoma  
Certified Corner Record forms were prepared as part of this survey, and  
were placed in the Corner database to be filed with the Oklahoma  
Department of Libraries.

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	JWP		
CHECKED			
APPROVED	BLB		
CREW	ANTLERS		
SWO5534 (1) STATE JOB NO.34333(04) SHEET NO.002			

SURVEY DATA SHEET

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

12. Right-of-Way:  
Right-of-Way for this project was computed along US 259 using previously referenced Plans and surveys and right-of-way deeds obtained at the McCurtain County Clerk's office. No plans or right-of-way deeds were found for SH 253A, nor was occupied right-of-way evident. No right-of-way is shown along US 259A.

13. Utilities:  
Guy Engineering was contacted during this project and marked the location of said utilities for us to locate. This information can be found in the project TOPO file.

14. Environmental Concerns:  
There were no hazardous waste sites found during this survey. There were no abandoned underground storage tanks found on this project. No W.P.A. structures were found on this project.

15. Drainage Information:  
Drainage areas were not calculated as part of this project.

16. Submission of Survey Data:  
All digital survey data has been placed in the appropriate project folder on the ODOT Intranet storage system as per archiving instruction dated May 20, 2003.

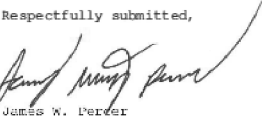
For a complete listing of computer files created and archived on this project see:  
[http://intranet/survey/data/SW05534\\_1/index.txt](http://intranet/survey/data/SW05534_1/index.txt)

In addition to the computer files submitted, Adobe .PDF files of the following have been placed in the archive in the ProjectWise folder:

- A. Historical Letter & Written Report
- B. Form SD-41, Surveyor's Certification.
- C. Cogo Data (coordinate list with alignments).
- D. Benchmarks & Check Levels list, including the SWO and description of the project
- E. OSSDA Test Points record
- F. Form SD-7, Public and Privately Owned Utilites List
- G. Form SD-9, Final Cost of Survey

Personnel:  
James W. Percer, Proj. Land Surveyor I  
Clayton R. Mack - Transportation Spec. VI  
Joseph Springfield - Transportation Spec. V  
Anthony Priddy - Transportation Spec. V

Respectfully submitted,

  
James W. Percer  
Professional Land Surveyor

OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION		
PLS	JWP	
DRAWN	JWP	
CHECKED		
APPROVED	BLB	
CREW	ANTLERS	
SURVEY DATA SHEET		
SW05534 (1) STATE JOB NO.34333(04) SHEET NO.S003		

Horizontal Alignment Review Report

Report Created: Wednesday, January 5, 2022  
Time: 7:20:09 AM

Project: Default  
Description:  
File Name: Y:\PERCER\SWO-5534 MAIN DESIGN FILE.dgn  
Last Revised: 1/5/2022 07:10:25

Note: All units in this report are in feet unless specified otherwise.

Alignment Name: CL16				
Alignment Description:				
Alignment Style: Alignment\SURVEY\ALIGNMENT\CENTERLINE				
		Station	Northing	Easting
Element: Linear				
START	( )	25783.300	293749.1332	2955475.3201
PC	( )	33438.127	301400.0588	2955230.9379
Tangential Direction:		N1.829°W		
Tangential Length:		7654.827		
Element: Circular				
PC	( )	33438.127	301400.0588	2955230.9379
HPI	( )	34500.434	302461.8233	2955197.0235
CC	( )		301217.1404	2949504.2785
PT	( )	35538.885	303440.8578	2954784.7300
Radius:		5729.580		
Delta:		21.0076° Left		
Degree of Curvature (Arc):		1.0000°		
Length:		2100.757		
Tangent:		1062.308		
Chord:		2089.010		
Middle Ordinate:		96.011		
External:		97.848		
Back Tangent Direction:		N1.829°W		
Back Radial Direction:		N88.171°E		
Chord Direction:		N12.333°W		
Ahead Radial Direction:		N87.163°E		
Ahead Tangent Direction:		N22.837°W		
Element: Linear				
PT	( )	35538.885	303440.8578	2954784.7300
PC	( )	39200.289	306815.2530	2953363.6959
Tangential Direction:		N22.837°W		
Tangential Length:		3861.404		
Element: Circular				

PC	( )	39200.289	306815.2530	2953383.6959
HPI	( )	40144.697	307685.6310	2952697.1601
CC	( )		309038.9704	2958644.1474
PT	( )	41072.273	308627.6016	2952829.3541
Radius:		5729.580		
Delta:		18.7198° Right		
Degree of Curvature (Arc):		1.0000°		
Length:		1871.984		
Tangent:		944.408		
Chord:		1863.668		
Middle Ordinate:		76.283		
External:		77.312		
Back Tangent Direction:		N22.837°W		
Back Radial Direction:		N67.163°E		
Chord Direction:		N13.477°W		
Ahead Radial Direction:		N85.883°E		
Ahead Tangent Direction:		N4.117°W		
Element: Linear				
PT	( )	41072.273	308627.6016	2952829.3541
PC	( )	42043.244	309506.0668	2952859.6409
Tangential Direction:		N4.117°W		
Tangential Length:		970.971		
Element: Circular				
PC	( )	42043.244	309506.0668	2952859.6409
HPI	( )	43191.173	310741.0336	2952777.2226
CC	( )		309184.6979	2947144.8476
PT	( )	44308.103	311765.8775	2952280.0787
Radius:		5729.580		
Delta:		22.8586° Left		
Degree of Curvature (Arc):		1.0000°		
Length:		2265.859		
Tangent:		1147.929		
Chord:		2251.122		
Middle Ordinate:		111.645		
External:		113.863		
Back Tangent Direction:		N4.117°W		
Back Radial Direction:		N85.883°E		
Chord Direction:		N15.447°W		
Ahead Radial Direction:		N63.224°E		
Ahead Tangent Direction:		N26.776°W		
Element: Linear				
PT	( )	44308.103	311765.8775	2952280.0787
PC	( )	49162.357	316098.7471	2950073.6853
Tangential Direction:		N26.776°W		
Tangential Length:		4853.254		



Horizontal Alignment Review Report

Page 3 of 4

Element: Circular				
PC	( )	49162.357	318098.7471	2850073.6853
HPI	( )	50164.530	318093.4831	2848622.2058
CC	( )		311258.7347	2840482.0293
PT	( )	51180.919	317789.2409	2849013.0359
	Radius:	10743.630		
	Delta:	10.8583°	Left	
Degree of Curvature (Arc):		0.5333°		
	Length:	1988.562		
	Tangent:	1002.173		
	Chord:	1985.682		
	Middle Ordinate:	46.439		
	External:	48.840		
Back Tangent Direction:		N26.778°W		
Back Radial Direction:		N63.224°E		
Chord Direction:		N32.105°W		
Ahead Radial Direction:		N52.566°E		
Ahead Tangent Direction:		N37.434°W		
Element: Linear				
PT	( )	51180.919	317789.2409	2849013.0359
PC	( )	60309.317	325053.5493	2843452.1903
Tangential Direction:		N37.434°W		
Tangential Length:		9148.398		
Element: Circular				
PC	( )	60309.317	325053.5493	2843452.1903
HPI	( )	61285.022	325828.3105	2842859.1087
CC	( )		327230.2509	2846295.6845
PT	( )	62214.481	328798.8432	2842741.0189
	Radius:	3580.990		
	Delta:	30.4826°	Right	
Degree of Curvature (Arc):		1.8000°		
	Length:	1905.184		
	Tangent:	975.705		
	Chord:	1882.774		
	Middle Ordinate:	125.953		
	External:	130.545		
Back Tangent Direction:		N37.434°W		
Back Radial Direction:		N52.566°E		
Chord Direction:		N22.193°W		
Ahead Radial Direction:		N83.048°E		
Ahead Tangent Direction:		N8.952°W		
Element: Linear				
PT	( )	62214.481	328798.8432	2842741.0189
END	( )	68739.785	331288.8917	2842193.3184

file:///C:/Users/349018/AppData/Local/Temp/RPTjeaem2fm.html

1/5/2022

Horizontal Alignment Review Report

Page 4 of 4

Tangential Direction: N8.952°W  
Tangential Length: 4525.315

file:///C:/Users/349018/AppData/Local/Temp/RPTjeaem2fm.html

1/5/2022

BENCH MARK LIST				SWO 5534(1) J/P 34333(04)			NAVD 88 DATUM	
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	sheet 5 of 8
BM41					581.64		Box cut on Headwall 30.5' Rt Sta. 277+21	
T0	4.84	4.84	4.84	4.84				
BM42					586.48		Box cut on Headwall 30' Lt Sta. 284+29	
T0	3.79	3.79	3.79	3.79				
BM43					590.27		Del Post 68' Lt Sta. 290+38	
T0	20.89	20.89	20.89	20.89				
BM44					611.16		Del Post 52' Rt Sta. 297+00	
T0	-2.88	-2.88	-2.88	-2.88				
BM45					608.28		NGS Y165 85.5 LT Sta. 305+51	
T0	4.39	4.39	4.39	4.39				
BM46					612.67		Box cut on Conc drive 63.5' Rt Sta. 311+94	
T0	-6.29	-6.29	-6.29	-6.29				
BM47					606.38		Box cut on Headwall 25'Rt Sta. 318+58	
T0	17.77	17.77	17.77	17.77				
BM48					624.15		Del Post 72'Lt Sta. 325+09	
T0	10.68	10.68	10.68	10.68				
BM49					634.83		Del Post 50'Lt Sta. 332+21	
T0	-3.87	-3.87	-3.87	-3.87				
BM50					630.96		Box cut on Conc drive 31'Lt Sta. 337+46	
T0	-6.51	-6.51	-6.51	-6.51				
BM51					624.45		Set 1/2 IP W/Cap M-45-1217 68'Rt Sta. 345+73	

BENCH MARK LIST				SWO 5534(1) J/P 34333(04)			NAVD 88 DATUM	
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	sheet 6 of 8
BM51					624.45		Set 1/2 IP W/Cap M-45-1217 68'Rt Sta. 345+73	
T0	-5.67	-5.67	-5.67	-5.67				
BM52					618.78		Del Post 67'Lt Sta. 353+37	
T0	-5.13	-5.13	-5.13	-5.13				
BM53					613.65		Del Post 37'Rt Sta. 359+25	
T0	-3.80	-3.80	-3.80	-3.80				
BM54					609.85		Del Post 41'Rt Sta. 366+08	
T0	-4.16	-4.16	-4.16	-4.16				
BM55					605.69		Box cut on Headwall 36'Rt Sta. 375+81	
T0	6.44	6.44	6.44	6.44				
BM56					612.13		Del Post 64'Lt Sta. 381+71	
T0	2.46	2.46	2.46	2.46				
BM57					614.59		Box cut on Headwall 31'Lt Sta. 385+52	
T0	10.84	10.84	10.84	10.84				
BM58					625.43		Del Post 52'Lt Sta. 391+66	
T0	17.09	17.09	17.09	17.09				
BM59					642.52		Del Post 45'Lt Sta. 398+82	
T0	1.11	1.11	1.11	1.11				
BM60					643.63		Del Post 46'Lt Sta. 406+02	
T0	3.63	3.63	3.63	3.63				
BM61					647.26		Del Post 51'Lt Sta. 413+91	

BENCH MARK LIST			SWO 5534(1) J/P 34333(04)				NAVD 88 DATUM	
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	sheet 7 of 8
BM61					647.26		Del Post	
T0	14.64	14.64	14.64	14.64			51'Lt Sta. 413+91	
BM62					661.90		Del Post	
T0	-6.17	-6.17	-6.17	-6.17			18'Rt Sta. 421+81	
BM63					655.73		Del Post	
T0	-1.90	-1.90	-1.90	-1.90			51'Lt Sta. 429+88	
BM64					653.83		X cut on Conc manhole	
T0	3.14	3.14	3.14	3.14			NE side 127'Rt Sta. 435+43	
BM65					656.97		Del Post	
T0	2.71	2.71	2.71	2.71			86'Rt Sta. 442+26	
BM66					659.68		X cut on Headwall	
T0	2.81	2.81	2.81	2.81			24'Lt Sta. 446+47	
BM67					662.49		Del Post	
T0	10.88	10.88	10.88	10.88			43'Rt Sta. 452+54	
BM68					673.37		Box cut on Headwall	
T0	11.77	11.77	11.77	11.77			48'Rt Sta. 457+64	
BM69					685.14		Box cut on SW Corner	
T0	2.18	2.18	2.18	2.18			of carwash 74'Rt Sta. 465+76	
BM70					687.32		Box cut on Hochatown Monu.	
T0	0.37	0.37	0.37	0.37			69'Rt Sta. 471+64	
BM71					687.69		Del Post	
							66'Rt Sta. 478+81	

BENCH MARK LIST			SWO 5534(1) J/P 34333(04)				NAVD 88 DATUM	
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	sheet 8 of 8
BM71					687.69		Del Post 66'Rt	
T0	11.85	11.85	11.85	11.85			Sta. 478+81	
BM72					699.54		Del Post	
T0	15.03	15.03	15.03	15.03			56'Lt Sta. 486+76	
BM73					714.57		Del Post	
T0	5.16	5.16	5.16	5.16			37'Lt Sta. 493+68	
BM74					719.73		Del Post	
T0	23.63	23.63	23.63	23.63			98'Rt Sta. 498+83	
BM75					743.36		Set 1/2 IP W/Cap	
T0	49.87	49.87	49.87	49.87			M-45-1218 126'Rt Sta. 505+00	
BM76					793.23		X cut on Asp 15'Rt	
T0	12.40	12.40	12.40	12.40			Sta. 526+72	
BM77					805.63		Del Post	
T0	34.71	34.71	34.71	34.71			50'Rt Sta. 538+05	
BM78					840.34		NGS Monu.	
T0	-81.65	-81.65	-81.65	-81.65			75'Lt Sta. 561+30	
BM79					758.69		Del Post	
T0	-33.47	-33.47	-33.47	-33.47			44'Rt Sta. 593+16	
BM80					725.22		Box on Highway 33'Rt Sta. 618+17	
T0	46.19	46.19	46.19	46.19				
BM81					771.41		Set 1/2 IP W/Cap	
							M-45-1219 57'Lt Sta. 643+00	

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

Point Number

X

Y

Point Number

X

Y

Point Number

X

Y

300	2955243.4732	301007.6118
301	2954098.2967	305070.8660
302	2955230.9379	301400.0586
303	2954784.7300	303440.8578
304	2952761.7800	310315.2540
305	2953363.6959	306815.2530
306	2952929.3541	308627.6016
307	2951876.2091	312822.9583
308	2952777.2226	310741.0336
309	2952260.0797	311765.8775
310	2950361.8627	315527.6538
311	2949622.2058	316993.4631
312	2951047.8286	314168.2464
313	2950073.6853	316098.7471
314	2949013.0359	317789.2409
315	2955281.1897	299826.8134
316	2947895.1524	319248.5675
317	2946812.9473	320663.2883
318	2945993.9346	321733.1884
319	2945281.4011	322663.9834
320	2944843.1234	323236.5293
321	2944004.9179	324331.5038
322	2943452.1903	325053.5493
323	2943274.1015	325308.3962
324	2942741.0189	326796.8432
325	2942645.9474	327576.5881
326	2942544.3043	328410.2313
327	2942440.1962	329264.0911
328	2955096.7493	302461.0766
329	2953077.8112	307681.0352
330	2952191.2406	311902.2829
331	2948768.7738	318108.3282
332	2943007.1130	325812.9340
7300	2955155.9761	301397.6642
7301	2952873.2172	310318.9277
7302	2955295.9047	301402.1338
7303	2955020.4894	302460.3991
7304	2955030.6594	302460.7562
7305	2954724.8252	303415.6305
7306	2954844.6348	303466.0850
7307	2954028.7749	305068.4786
7308	2954167.8194	305073.2545
7309	2953303.7911	306790.0258
7310	2953423.6007	306840.4803
7311	2953229.9279	307373.5293
7312	2953212.2146	307598.9061
7313	2953107.3749	308077.8099
7314	2953089.3309	308124.5390
7315	2953029.0900	308634.7813
7316	2952864.5218	308622.9348
7317	2952794.8067	309501.3909
7318	2952959.3828	309603.2465
7319	2952965.4765	309654.7762
7320	2952714.2424	309854.9437
7321	2952640.1665	310311.1344
7322	2952695.9106	310313.0446
7323	2952827.6287	310317.4627
7324	2950604.5084	315191.0766
7325	2952332.7040	311459.2556

7326	2952259.1786	311561.3512
7327	2952179.7298	311725.3324
7328	2952318.1101	311795.1600
7329	2952186.2675	312056.4380
7330	2952184.3517	312115.7284
7331	2952004.0931	312073.3991
7332	2951970.1000	312196.2586
7333	2950471.9548	315531.4550
7334	2950556.9179	315363.0800
7335	2948771.0625	317998.4040
7336	2950433.4226	315530.1246
7337	2950225.9846	315852.6452
7338	2950064.4471	315833.2473
7339	2949880.9063	316232.1839
7340	2949814.0210	316448.7914
7341	2949975.4800	316049.1920
7342	2950131.7158	316128.0296
7343	2948961.4225	317749.7307
7344	2949064.6493	317828.7511
7345	2945996.4202	321623.0069
7346	2948889.3032	318105.2088
7347	2948848.2445	318111.4476
7348	2948763.5169	318222.1300
7349	2948542.0936	318511.3822
7350	2948508.4157	318580.0539
7351	2948386.8459	318738.8644
7352	2948329.3464	318789.3006
7353	2946733.5299	320660.0972
7354	2945092.7057	322762.4291
7355	2945991.4490	321843.3698
7356	2945781.1911	321904.1675
7357	2945532.0267	322122.7244
7358	2945370.2301	322334.0844
7359	2945182.5134	322579.3046
7360	2944732.6500	323232.7812
7361	2944922.9098	323239.2363
7362	2944763.3371	323233.8224
7363	2951775.1765	312926.6083
7364	2944953.5989	323240.2775
7365	2943400.5789	325014.0391
7366	2943503.8037	325093.0595
7367	2942702.9702	325802.5574
7368	2943076.9661	325815.3173
7369	2942676.3865	326789.2866
7370	2942864.8959	326460.9162
7371	2942882.2442	326814.0622
7372	2942887.3735	326918.4761
7373	2942863.5741	327113.6706
7374	2942768.2313	327110.7123
7375	2945580.4993	322380.2142
7376	2951747.8577	312925.2533
7377	2945524.3635	322494.6670
8000	2955206.2197	299824.6790
8001	2954096.3326	300864.9441
8002	2953909.9495	299778.4343
8003	2953896.1182	300108.3272
8004	2954951.4498	300145.8952
8005	2955195.6818	300154.5894
8006	2954946.0422	300297.7990

8007	2955190.8291	300306.5130
8008	2954938.2867	300515.6610
8009	2955183.8694	300524.4033
8010	2955179.8787	300649.3404
8011	2954933.8398	300640.5818
8012	2954105.3694	300611.0897
8013	2955059.9367	301035.8207
8014	2954409.1597	300877.0188
8015	2954401.7195	301086.0240
8016	2954847.8525	301102.8162
8017	2954851.0614	301012.7233
8018	2955127.9112	301807.9281
8019	2955060.0382	301032.1735
8020	2955063.6096	300889.9783
8021	2955172.0587	300894.1643
8022	2955167.2513	301044.6701
8023	2954844.6069	301173.8441
8024	2954846.4247	301173.6418
8025	2955162.5999	301190.2923
8026	2956162.7142	301186.8666
8027	2955161.6524	301219.9560
8028	2954838.1780	301207.4420
8029	2954828.8049	301350.9964
8030	2955157.0563	301363.8466
8031	2955152.0888	301493.7512
8032	2954824.0246	301481.0080
8033	2954575.4019	301471.3506
8034	2953032.3150	306356.8722
8035	2954564.1254	301786.1887
8036	2953826.9632	301757.7639
8037	2953799.3019	302417.5221
8038	2954162.8022	304750.2134
8039	2952424.3729	304690.4898
8040	2953735.7246	305058.4098
8041	2953725.2090	305388.6789
8042	2953714.6935	305718.9480
8043	2953711.4094	305822.0932
8044	2952402.9385	305343.3053
8045	2952392.2816	305673.6229
8046	2953853.4875	305696.2855
8047	2953384.0905	305707.6167
8048	2952370.9676	306334.2581
8049	2953362.9887	306368.1793
8050	2953011.4720	307678.7775
8051	2953479.7587	306372.1721
8052	2952338.9809	307325.7002
8053	2952658.6451	307336.3036
8054	2952668.4005	307033.9405
8055	2953077.9742	307174.4338
8056	2952891.1297	307667.8754
8057	2952676.5034	307667.3776
8058	2952590.4198	307793.1610
8059	2952584.7507	307839.8178
8060	2952574.8708	307921.1298
8061	2952689.8649	308397.6818
8062	2952466.7867	308986.7841
8063	2952972.2304	307853.0048
8064	2952882.2824	307849.9437
8065	2952857.6524	307955.0849

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	JWP		
CHECKED			
APPROVED	BLB		
CREW	ANTLERS		
SWO 5534 ( 1 ) STATE JOB NO.34333(04) SHEET NO.5008			

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

Point Number	X	Y	Point Number	X	Y	Point Number	X	Y
8066	2952881.0587	307957.7720	8125	2950912.8447	314291.4657	8194	2947450.8198	319723.0787
8067	2952879.9418	307998.1269	8126	2950948.4961	314220.8139	8185	2947060.7558	319739.0737
8068	2952931.4094	308068.5159	8127	2950898.9070	314319.0866	8186	2946873.3632	320477.4286
8069	2952871.9810	308529.8204	8128	2950312.3922	314110.0684	8187	2947015.6406	319788.1605
8070	2952759.7479	308687.2872	8129	2950290.3029	315525.1831	8188	2946968.7583	319903.3342
8071	2952801.9901	308862.3451	8130	2949825.9151	315783.7786	8189	2947146.8953	320120.1050
8072	2952842.7417	308925.5072	8131	2949516.5038	315498.4662	8190	2946890.5887	319964.8629
8073	2952510.1970	308678.9421	8132	2949509.2076	315710.8309	8191	2946819.5137	320058.1399
8074	2952837.0176	309005.0272	8133	2948777.4056	317810.3342	8192	2947055.7179	320239.2129
8075	2952451.6489	309090.8689	8134	2950032.1166	315936.9528	8193	2946742.6546	320188.1505
8076	2952457.1553	309086.5048	8135	2950083.0267	315836.0622	8194	2946964.5405	320358.3207
8077	2952677.6079	309091.8219	8136	2950047.0683	315784.0260	8195	2946693.3772	320263.1864
8078	2952665.3505	309096.9863	8137	2949968.7671	315759.0434	8196	2946643.8514	320301.4578
8079	2952690.4201	309004.3222	8138	2949493.8588	316157.5773	8197	2944743.5262	322772.5827
8080	2952699.8806	309000.4413	8139	2949912.5271	316171.9615	8198	2946803.4605	320568.7447
8081	2952836.6762	309009.7702	8140	2949597.6651	316820.9574	8199	2946566.8094	320448.1582
8082	2952442.9542	309244.1509	8141	2948811.7521	316791.9694	8200	2946559.9244	320653.0974
8083	2952796.1434	309572.8580	8142	2949397.8728	317135.8831	8201	2945953.8600	321678.6047
8084	2952509.5443	309314.6829	8143	2949240.0634	317032.5001	8202	2945648.6748	321755.1848
8085	2952841.2976	309520.5260	8144	2949111.9388	317223.5083	8203	2945606.7472	321748.6536
8086	2952631.7591	309520.1030	8145	2949057.4400	317297.0148	8204	2945575.3419	321743.7541
8087	2952813.8842	309326.4006	8146	2949260.2306	317339.5505	8205	2945512.8909	321682.0535
8088	2952455.9627	311154.3483	8147	2949262.1653	317336.7565	8206	2945426.3588	321574.6436
8089	2952619.0808	309566.5440	8148	2949002.0656	317371.7023	8207	2945259.8583	321484.2828
8090	2952610.7409	309728.6570	8149	2948992.7948	317384.2066	8208	2945118.1136	321516.0002
8091	2952751.8195	309732.0236	8150	2949156.6180	317486.4670	8209	2945178.0846	321665.7157
8092	2952368.4070	309722.8742	8151	2949146.5130	317500.5182	8210	2945210.3761	321895.3867
8093	2952403.8200	309631.1483	8152	2948942.8426	317451.5807	8211	2945359.8734	322043.1863
8094	2952401.3932	310905.8492	8153	2948791.0147	317406.8270	8212	2945506.6407	322155.8869
8095	2952434.2556	310994.0424	8154	2948872.7505	317641.6378	8213	2945211.3486	322213.1367
8096	2952506.6631	310625.1134	8155	2948943.4326	317773.2315	8214	2945075.0430	322369.1235
8097	2952668.4663	310440.5257	8156	2948052.0430	318867.8931	8215	2945244.7073	322498.0589
8098	2952664.9936	310455.7032	8157	2948789.3384	317974.5296	8216	2945178.7165	322587.0468
8099	2952293.8820	310914.8886	8158	2948477.9671	317798.5804	8217	2944892.9659	322577.4909
8100	2952122.4148	311127.0491	8159	2948287.9924	318089.4566	8218	2944399.6692	323221.4840
8101	2950804.5781	313798.7556	8160	2948335.8682	318091.3558	8219	2945089.5342	322766.5721
8102	2951547.6636	312918.9209	8161	2948330.5901	318324.5661	8220	2944876.5961	323044.7399
8103	2951804.4712	312920.8404	8162	2948315.2363	318322.3350	8221	2944661.3480	322879.8854
8104	2950832.8824	312894.7693	8163	2948269.8500	318400.3886	8222	2944071.0902	323650.4399
8105	2950826.6337	313094.3394	8164	2948274.8129	318400.6636	8223	2944500.0532	323211.9073
8106	2951506.6937	313114.6103	8165	2948393.8979	318491.1061	8224	2944620.6233	323193.0231
8107	2950814.3345	313487.1548	8166	2948108.4355	318314.2177	8225	2944814.5713	323125.7649
8108	2951310.6411	313503.1359	8167	2948094.7167	318702.2652	8226	2944220.8036	323454.9908
8109	2950807.8028	313695.7665	8168	2948129.1625	318690.0625	8227	2944585.3827	323466.2898
8110	2951207.4140	313707.7054	8169	2948190.8094	318756.4070	8228	2944306.4232	323830.7034
8111	2950716.3691	313790.5704	8170	2948093.7680	318729.1211	8229	2944196.5866	323974.2125
8112	2950804.7318	313793.8544	8171	2948026.8251	318726.2687	8230	2943317.4866	324674.2951
8113	2950713.0068	313697.1774	8172	2948049.8470	318798.6980	8231	2943961.1889	323793.9147
8114	2951155.6627	313810.2631	8173	2948018.2817	318935.8589	8232	2943851.2815	323937.3975
8115	2950807.3078	313919.2069	8174	2948069.4122	318914.9920	8233	2944086.7040	324117.7296
8116	2950809.0064	313877.0211	8175	2948050.7993	318939.3066	8234	2943708.3788	324123.9554
8117	2951114.8919	313891.0603	8176	2948037.8127	318934.6240	8235	2943922.2224	324332.5971
8118	2950009.0304	315515.4688	8177	2947711.1053	319583.0595	8236	2943521.6958	324367.6679
8119	2951069.4115	313981.1908	8178	2947998.6526	318957.1516	8237	2943757.2497	324548.1060
8120	2951051.4081	314016.8688	8179	2947955.1766	318064.2215	8238	2943582.0812	324776.9804
8121	2950798.0060	314008.7095	8180	2947230.6523	319554.2189	8239	2943358.1085	324627.7245
8122	2950800.8549	313917.4995	8181	2947395.6626	319370.5354	8240	2943414.1862	324738.7630
8123	2950791.5361	314215.3935	8182	2947655.2070	319456.0813	8241	2943222.5713	324831.3857
8124	2950791.6045	314248.9029	8183	2947298.8576	319921.5919	8242	2943544.6722	324825.8028

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	JWP		
CHECKED			
APPROVED	BLB		
CREW	ANTLERS		
SWO <u>5534</u> ( 1 ) STATE JOB NO <u>34333(04)</u> SHEET NO <u>S009</u>			

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

DESCRIPTION	REVISIONS	DATE

Point Number	X	Y	Point Number	X	Y	Point Number	X	Y
8243	2943276.0837	325186.9071	8302	2942876.3991	328820.5255	8362	2948449.0074	319149.2532
8244	2943230.6361	324904.3111	8303	2942876.7073	328805.5287	8363	2948061.1232	319525.8729
8245	2943398.7048	325016.4868	8304	2942836.5864	328819.4731	8364	2947774.3200	319514.3490
8246	2943423.8281	324983.6653	8305	2942836.8938	328804.4762	8365	2947870.0519	319389.2914
8247	2942767.2104	325474.8750	8306	2942634.1020	328799.1154	8366	2948142.9177	319400.1132
8248	2943276.4830	325162.4359	8307	2942633.7938	328814.1122	8367	2948289.9584	319405.9448
8249	2942777.7990	325145.4456	8308	2943002.9519	328634.4292	8368	2948201.2375	318956.6532
8250	2942753.3465	325144.6125	8309	2942560.7772	328812.1821	8369	2948196.2694	318976.2066
8251	2942757.9245	324923.7499	8310	2942995.9265	328916.2216	8370	2948671.3454	318561.9302
8252	2943056.7228	324439.2924	8311	2942868.3011	328652.0916	8371	2948547.9746	319184.5115
8253	2943067.8124	324454.4279	8312	2942931.6311	328639.8355	8372	2948604.8610	319092.7077
8254	2943201.0689	324554.2976	8313	2942994.4537	328634.2546	8373	2948339.9646	318918.5846
8255	2942579.9013	327581.2177	8314	2942883.8889	328419.9011	8374	2948346.2534	318885.2526
8256	2943094.0119	325485.9644	8315	2943007.2059	328423.1598	8375	2948421.2685	318828.6568
8257	2942937.4538	325810.5574	8316	2942707.8925	328414.8033	8376	2948343.1414	318777.2001
8258	2942487.6053	328098.8894	8317	2942739.2007	328214.1612	8377	2948364.9814	318758.0430
8259	2942626.9769	328107.1701	8318	2942732.9408	328420.6576	8378	2948540.8664	318873.9264
8260	2942732.7189	328456.6107	8319	2942606.4383	328421.2815	8379	2948717.2123	318990.4533
8261	2942190.1967	328438.9965	8320	2942992.8716	326888.7855	8380	2948738.7733	318955.7688
8262	2942139.7356	328494.4121	8321	2943037.2853	327752.0584	8381	2948743.2304	318823.6175
8263	2942244.8946	328655.8559	8322	2943153.0958	327964.5368	8382	2948662.0609	318748.9954
8264	2942311.3776	328677.7014	8323	2943200.2579	327998.5368	8383	2948675.3915	318715.6298
8265	2942401.8523	328873.6527	8324	2943222.6368	327998.8791	8384	2948655.4154	318614.7384
8266	2942524.7477	328876.8145	8325	2942715.1143	327546.3610	8385	2949180.5496	318521.3966
8267	2942665.3458	328880.4317	8326	2943254.5357	327407.7774	8386	2948559.2397	318521.6522
8268	2942561.1784	327726.5771	8327	2943166.2715	327408.2106	8387	2948569.4216	318494.2636
8269	2942564.7589	327575.2229	8328	2943102.5728	327320.5625	8388	2948559.3462	318488.8446
8270	2942444.0898	327538.3486	8329	2942982.8724	327103.5283	8389	2948751.0901	318590.5813
8271	2942288.8290	327453.9267	8330	2942965.3074	327103.0630	8390	2948758.5253	318370.1277
8272	2942265.0426	327652.6817	8331	2942865.1791	327100.5080	8391	2948965.9982	318378.2714
8273	2942244.4792	327824.5056	8332	2942885.7696	326885.8264	8392	2948961.7348	318486.8877
8274	2942223.9158	327996.3295	8333	2946179.9964	321597.0644	8393	2949181.5655	318495.5165
8275	2942201.0115	328187.7138	8334	2943020.1857	326676.4180	8394	2949235.7886	317934.7093
8276	2942200.4454	328208.3360	8335	2942875.2736	326672.1689	8395	2949520.4879	318534.7398
8277	2942225.3827	328211.1286	8336	2943043.7930	326493.0413	8396	2949532.2897	318234.0713
8278	2942499.3580	328241.8069	8337	2943012.3869	326465.7456	8397	2949347.2885	318131.0360
8279	2942520.3014	328070.0383	8338	2942864.8940	326460.9162	8398	2949484.5287	318136.4223
8280	2942541.2399	327898.3077	8339	2943272.0209	325435.9142	8399	2949406.5632	318073.3843
8281	2943059.8715	328959.3914	8340	2946568.1886	321887.8080	8400	2949443.6692	317301.5397
8282	2942479.0451	328408.4086	8341	2947308.4053	320683.1818	8401	2949505.9397	318105.0770
8283	2942220.1661	328401.1783	8342	2946550.2044	321911.8199	8402	2949574.9926	318046.2397
8284	2941901.4067	328392.2756	8343	2946630.9876	321970.7612	8403	2949650.9000	317987.6294
8285	2941876.3705	329703.2392	8344	2946690.9347	321890.7216	8404	2949548.4880	317905.4048
8286	2942319.6478	329715.7323	8345	2946610.8951	321830.7745	8405	2949378.1944	317764.1227
8287	2942994.0740	329348.0654	8346	2946592.9110	321854.7863	8406	2949080.2175	317808.3638
8288	2942881.0500	329393.9956	8347	2946205.0720	321564.3073	8407	2949271.8218	317548.9057
8289	2942775.1446	329398.4145	8348	2947179.0642	320677.9880	8408	2949606.4659	317733.1461
8290	2942821.5019	329396.4540	8349	2947014.0962	320507.4535	8409	2949608.8374	317307.4509
8291	2942702.8410	329371.9346	8350	2947412.3040	320523.4368	8410	2949760.7368	317073.9307
8292	2942657.2449	329349.0875	8351	2946979.6737	320552.4207	8411	2949782.6996	317313.6731
8293	2942495.5208	329347.3935	8352	2947646.5564	319681.2507	8412	2949788.2504	317158.5724
8294	2942830.9145	329062.4766	8353	2947521.3482	320355.7790	8413	2949789.6585	317119.2268
8295	2942536.0963	329014.6066	8354	2947141.8781	320340.5280	8414	2949886.7880	317038.6065
8296	2942625.1896	328990.2670	8355	2947260.0682	320186.1325	8415	2949829.6925	317002.9784
8297	2943067.5329	328862.4600	8356	2947622.2161	320200.6955	8416	2949659.0771	316969.1003
8298	2943046.5427	328950.3931	8357	2947394.2203	320010.8853	8417	2949746.3228	316826.4405
8299	2943052.8861	328870.1427	8358	2947736.7136	320024.6548	8418	2951091.6153	314225.7563
8300	2942926.5288	328781.6078	8359	2947843.0327	319861.1885	8419	2950129.8420	316840.5862
8301	2942914.6146	328790.8574	8360	2947518.7928	319848.1523	8420	2950118.0393	317170.3751

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	JWP		
CHECKED			
APPROVED	BLB		
CREW	ANTLERS		
SWO <u>5534</u> ( <u>1</u> ) STATE JOB NO. <u>34333(04)</u> SHEET NO. <u>S010</u>			

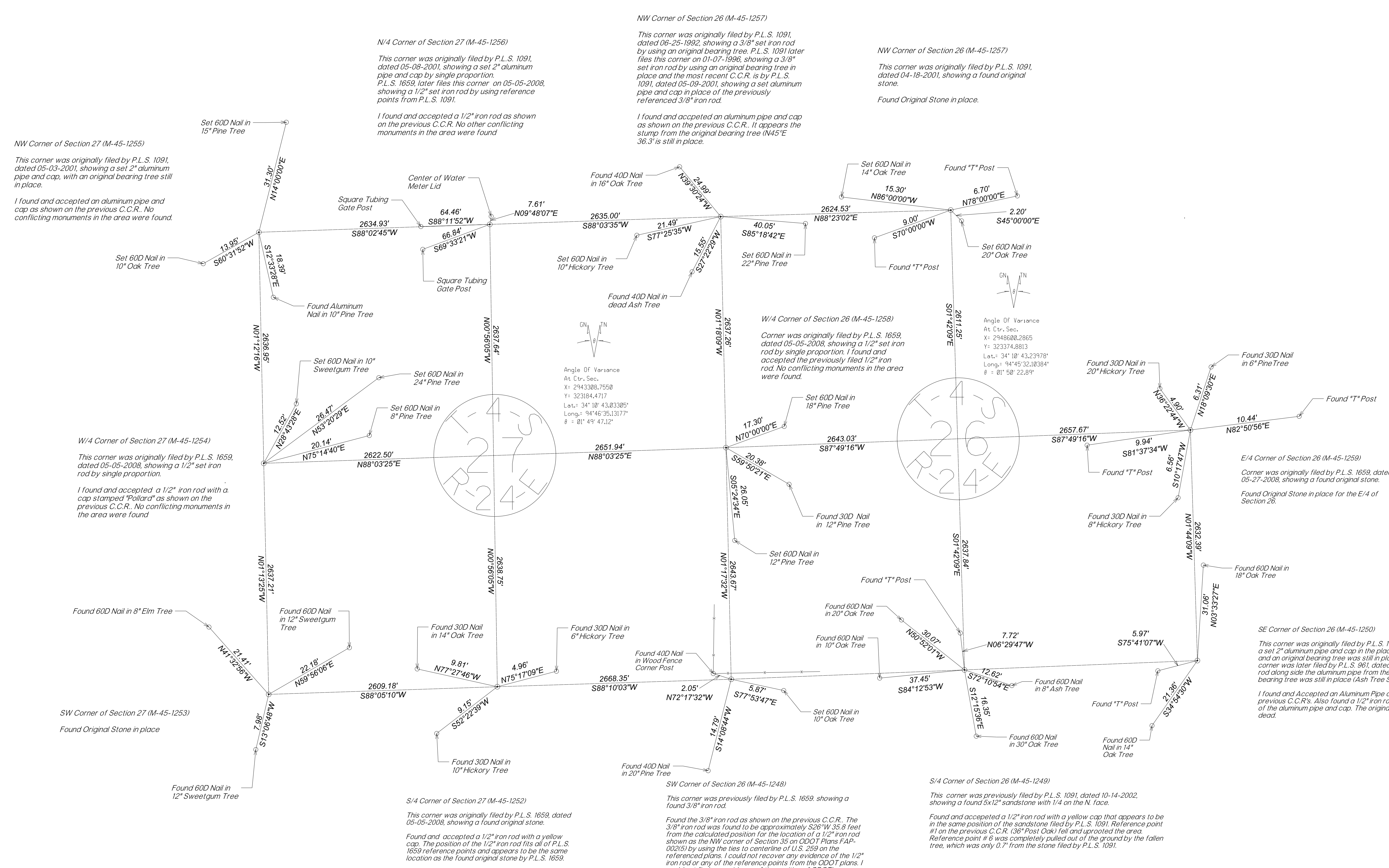
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION		REVISIONS		DATE	

Point Number	X	Y	Point Number	X	Y	Point Number	X	Y
8421	2950140.5972	316110.4290	8481	2947809.0260	319012.2377	9051	2940540.4477	330976.9237
8422	2950274.2357	316115.3740	8482	2947909.8589	319090.5186	9052	2940588.6882	328355.6123
8423	2950567.2252	315534.7443	8483	2947940.0152	319051.1244	9053	2948767.3570	318108.2726
8424	2950563.0275	315340.9987	8484	2947849.0726	319169.9257			
8425	2950996.4886	315355.9333	8485	2947746.3854	319090.2052			
8426	2951007.9289	314996.1151	8486	2947699.4115	319148.6728			
8427	2950997.8379	314995.7675	8487	2947787.2144	319243.4014			
8428	2950708.0991	314985.7865	8488	2947801.9061	319231.5407			
8429	2950794.8003	314813.9672	9000	2955229.7987	299825.5202			
8430	2951003.3889	314821.1557	9001	2949945.6522	299636.3606			
8431	2951531.2690	314839.3479	9002	2952590.1002	299731.3484			
8432	2951543.2618	314491.3545	9003	2952413.5955	305012.9677			
8433	2951529.0745	314400.8656	9004	2949857.4475	302279.1201			
8434	2951067.5442	314474.9600	9005	2949769.9008	304921.7157			
8435	2951023.7482	314564.8594	9006	2960478.4905	299975.4772			
8436	2950967.6035	314471.5157	9007	2955057.8536	305103.8318			
8437	2950922.2665	314561.3621	9008	2955143.9018	302464.7322			
8438	2951252.6248	313906.6770	9009	2952501.8545	302371.9676			
8439	2951537.6800	314241.1606	9010	2957679.9889	305180.7897			
8440	2951634.7865	314244.5141	9011	2960316.9776	305252.6739			
8441	2952115.0306	314261.0907	9012	2960397.0233	302614.1328			
8442	2952120.8853	314079.9055	9013	2949597.7988	310208.8298			
8443	2952125.5712	313934.8837	9014	2957837.7781	299894.3628			
8444	2951640.9937	314064.3992	9015	2957758.8370	302539.1019			
8445	2951180.5447	314049.5212	9016	2949683.8845	307565.5304			
8446	2951568.1148	313813.7084	9017	2951497.9692	315566.8800			
8447	2951304.1281	313804.6107	9018	2949506.0318	312850.0042			
8448	2951392.7426	313807.8641	9019	2949427.8625	315485.4057			
8449	2951399.1935	313794.9803	9020	2954716.5262	315670.1537			
8450	2951326.0109	313761.2448	9021	2952072.2428	315585.3065			
8451	2951853.1736	312929.2437	9022	2954974.8606	307745.5971			
8452	2951683.8317	313817.6940	9023	2954802.6955	313028.9046			
8453	2951693.1721	313546.6658	9024	2954803.1259	313015.7116			
8454	2951438.5131	313538.2944	9025	2954891.1073	310386.6763			
8455	2951929.4912	313554.4342	9026	2952243.0908	310297.8560			
8456	2951830.2918	313405.6788	9027	2955016.3571	306424.7145			
8457	2951645.3643	313128.3688	9028	2952328.3397	307655.5286			
8458	2951887.5130	313261.1769	9029	2952157.7329	312939.5344			
8459	2951870.8202	313194.6286	9030	2946215.4233	315393.7954			
8460	2951846.8598	313047.0105	9031	2948856.1473	315475.6662			
8461	2953618.8135	306376.9269	9032	2951335.7698	320844.7444			
8462	2955553.9842	300991.4539	9033	2946117.5179	318004.2614			
8463	2953693.6624	306379.4863	9034	2946018.7901	320631.3962			
8464	2953699.8724	306184.4441	9035	2948678.6568	320738.2054			
8465	2955140.7455	302561.5349	9036	2951256.0325	323475.9251			
8466	2955122.3898	305124.5071	9037	2943351.8028	320546.0748			
8467	2955100.8777	305764.2820	9038	2948600.2866	323374.8614			
8468	2955313.0680	300664.1730	9039	2945959.1663	323274.3841			
8469	2955428.7391	300987.4549	9040	2945899.2180	325910.9678			
8470	2955563.6151	300689.9731	9041	2948522.7062	325984.9831			
8471	2955774.5272	300998.4956	9042	2943308.7550	323184.4718			
8472	2955784.6644	300697.0338	9043	2940687.7633	323095.5476			
8473	2947949.9673	318836.8107	9044	2940744.0816	320458.9387			
8474	2955318.9019	300682.1566	9045	2945782.7359	331104.8295			
8475	2955346.1661	299828.5919	9046	2940632.3296	325731.9119			
8476	2948807.2025	318861.2448	9047	2943285.7256	325821.7573			
8478	2947971.4538	318963.1558	9048	2945851.2657	328502.5824			
8479	2947958.5733	319001.7395	9049	2943214.1252	328428.9389			
8480	2947871.6666	318934.2701	9050	2943162.2208	331051.4819			

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	JWP		
CHECKED			
APPROVED	BLB		
CREW	ANTLERS		
SWO 5534 ( 1 ) STATE JOB NO.34.333(04) SHEET NO.5011			







NOTE: REFERENCES SHOWN ARE NOT TO SCALE.

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	JWP			
CHECKED			SURVEY DATA SHEET	
APPROVED	BLB			
CREW	ANTLERS			
			SWO_5534(1)	
COUNTY	MCCURTAIN	HIGHWAY	U.S. 259	STATE JOB NO. 34.333(04) SHEET NO. S013

NW Corner of Section 35 (M-45-1248)

This corner was previously filed by P.L.S. 1659, showing a found 3/8" iron rod.

Found the 3/8" iron rod as shown on the previous C.C.R.. The 3/8" iron rod was found to be approximately S26°W 35.8 feet from the calculated position for the location of a 1/2" iron rod shown as the NW corner of Section 35 on ODOT Plans FAP-002(5) by using the ties to centerline of U.S. 259 on the referenced plans. I could not recover any evidence of the 1/2" iron rod or any of the reference points from the ODOT plans. I could not find any evidence of the position of ODOT's corner being used as control by local surveyors in the area. The 3/8" iron rod filed by P.L.S. 1659 appears to have been used for control in multiple surveys in the area and is the NW corner of the Lakewood Estates Subdivision. It is in my opinion, to protect the harmony of the area, the 3/8" found iron rod is the best position for the NW corner of Section 35.

W/4 Corner of Section 35 (M-45-1247)

This corner was previously filed by P.L.S. 961, dated 03-20-2007, showing a 1/2" set iron rod by using a 5/8" iron rod N89°W 27.81 feet for the latitude and using the NW and SW corners of Section 35 for the departure, to establish the W/4 of Section 35.

I found and accepted the 1/2" iron rod set by P.L.S. 961. This monument had multiple lathes and different color flagging attached to it and on trees around it. It seems apparent this corner has been relied on by multiple surveyors.

SW Corner of Section 35 (M-45-1246)

This corner was previously filed by P.L.S. 961, dated 03-22-2007, showing a 1/2" set iron rod by single proportion.

I found and accepted a 1/2" iron rod as shown on the previous C.C.R. No conflicting monuments in the area were found.

N/4 Corner of Section 35 (M-45-1249)

This corner was previously filed by P.L.S. 1091, dated 10-14-2002, showing a found 5x12" sandstone with 1/4 on the N. face.

Found and accepted a 1/2" iron rod with a yellow cap that appears to be in the same position of the sandstone filed by P.L.S. 1091. Reference point #1 on the previous C.C.R. (36" Post Oak) fell and uprooted the area. Reference point #5 was completely pulled out of the ground by the fallen tree, which was only 0.7' from the stone filed by P.L.S. 1091.

S/4 Corner of Section 35 (M-45-1245)

This corner was previously filed by P.L.S. 1659, dated 03-10-2010, showing a 3/8" found iron rod with a quartz stone laying beside it.

I found and accepted the 3/8" iron rod as shown on the previous C.C.R.. This corner is harmonious with other PLSS corners in the area and no other conflicting monuments were found.

NE Corner of Section 35 (M-45-1250)

This corner was originally filed by P.L.S. 1091, dated 10-15-2002, showing a set 2" aluminum pipe and cap in the place of an existing 3/8" iron rod and an original bearing tree was still in place (Ash Tree S36°E 8.85'). This corner was later filed by P.L.S. 961, dated 05-27-2008 showing a 1/2" iron rod along side the aluminum pipe from the previous C.C.R. and the original bearing tree was still in place (Ash Tree S36°E 7.92')

I found and Accepted an Aluminum Pipe and cap as shown on the previous C.C.R's. Also found a 1/2" iron rod N55°E 0.23' from the center of the aluminum pipe and cap. The original ash tree is still standing, but is dead.

E/4 Corner of Section 35 (M-45-1251)

This corner was previously filed by P.L.S. 1091, dated 10-14-2002, showing a found original stone.

I recovered the original stone and an original bearing tree (32° Oak Tree N88°E 38.3')

SE Corner of Section 35 (M-45-1244)

Corner was previously filed by P.L.S. 1091, dated 10-15-2002, showing a set 2" aluminum pipe and cap.

I found and accepted a 2" aluminum pipe and cap as shown on the previous C.C.R. This corner is in harmony with other PLSS corners in the area. I also found a 3/8" iron rod N20°37'11"W 10.13' that I did not accept

NOTE: REFERENCES SHOWN ARE NOT TO SCALE.

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	JWP			
CHECKED			SURVEY DATA SHEET	
APPROVED	BLB			
CREW	ANTLERS			
			SWO_5534(1)	
COUNTY	MCCURTAIN	HIGHWAY	U.S. 259	STATE JOB NO. 34.333(04) SHEET NO. S014

W/4 Corner of Section 1 Township 5 South, Range 24 East (M-45-1239)

This corner was originally filed by P.L.S. 1091, dated 07-03-1990, showing a found original stone with a 3/8" iron pin that appears to be set along side the original stone.

Found and accepted a 1/2" iron rod with a yellow cap. No references from the previous C.C.R. were located. After contacting P.L.S. 961, who had tied into the 3/8" iron pin shown on the previous C.C.R. before, he gave me bearings and distances to the NW and SW corners of section 1. It appears the found 1/2" iron rod fits the location of the 3/8" iron rod shown on the previous C.C.R..

Also found a 1/2" iron rod with a yellow cap S82°56'02"E 4.78' that appears to have been set by Single Proportion. This corner was not accepted.

SW Corner of Section 12 (M-45-1237)

This corner was originally filed by P.L.S. 1659, dated 09-16-2015, showing a 1/2" set iron rod.

Found and accepted a 1/2" iron rod as shown on the previous C.C.R.

No conflicting monuments in the area were found.

S/4 Corner of Section 1 (M-45-1236)

Corner was originally filed by P.L.S. 1091, dated 07-03-1990, showing a found quartz stone with a 3/8" iron rod on the North side of it.

I found an accepted the quartz stone with a 3/8" iron rod on the North side of it, as shown on the previous C.C.R. No conflicting monuments in the area were found

NOTE: REFERENCES SHOWN ARE NOT TO SCALE.

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	JWP			
CHECKED			SURVEY DATA SHEET	
APPROVED	BLB			
CREW	ANTLERS		SWO_5534(1)	
COUNTY	MCCURTAIN	HIGHWAY	U.S. 259	STATE JOB NO. 34333(04) SHEET NO. S015



NW Corner of Section 12 (M-45-1237)

This corner was originally filed by P.L.S. 1659, dated 09-16-2015, showing a 1/2" set iron rod.

Found and accepted a 1/2" iron rod as shown on the previous C.C.R.

No conflicting monuments in the area were found.

N/4 Corner of Section 12 (M-45-1236)

Corner was originally filed by P.L.S. 1091, dated 07-03-1990, showing a found quartz stone with a 3/8" iron rod on the North side of it.

I found an accepted the quartz stone with a 3/8" iron rod on the North side of it, as shown on the previous C.C.R. No conflicting monuments in the area were found

NE Corner of Section 12 (M-45-1235)

Corner was originally filed by P.L.S. 1091, dated 01-30-2001, showing a found original stone.

I found the original stone with a 1/2" iron rod on the South side of the stone.

W/4 Corner of Section 12 (M-45-1238)

This corner was originally filed by P.L.S. 1091, dated 07-03-1990, showing a found original stone.

No evidence of a Sandstone was found, however a found Quartz Stone in mound of rocks was recovered. This Quartz Stone appears to be in the same position of the previous C.C.R.

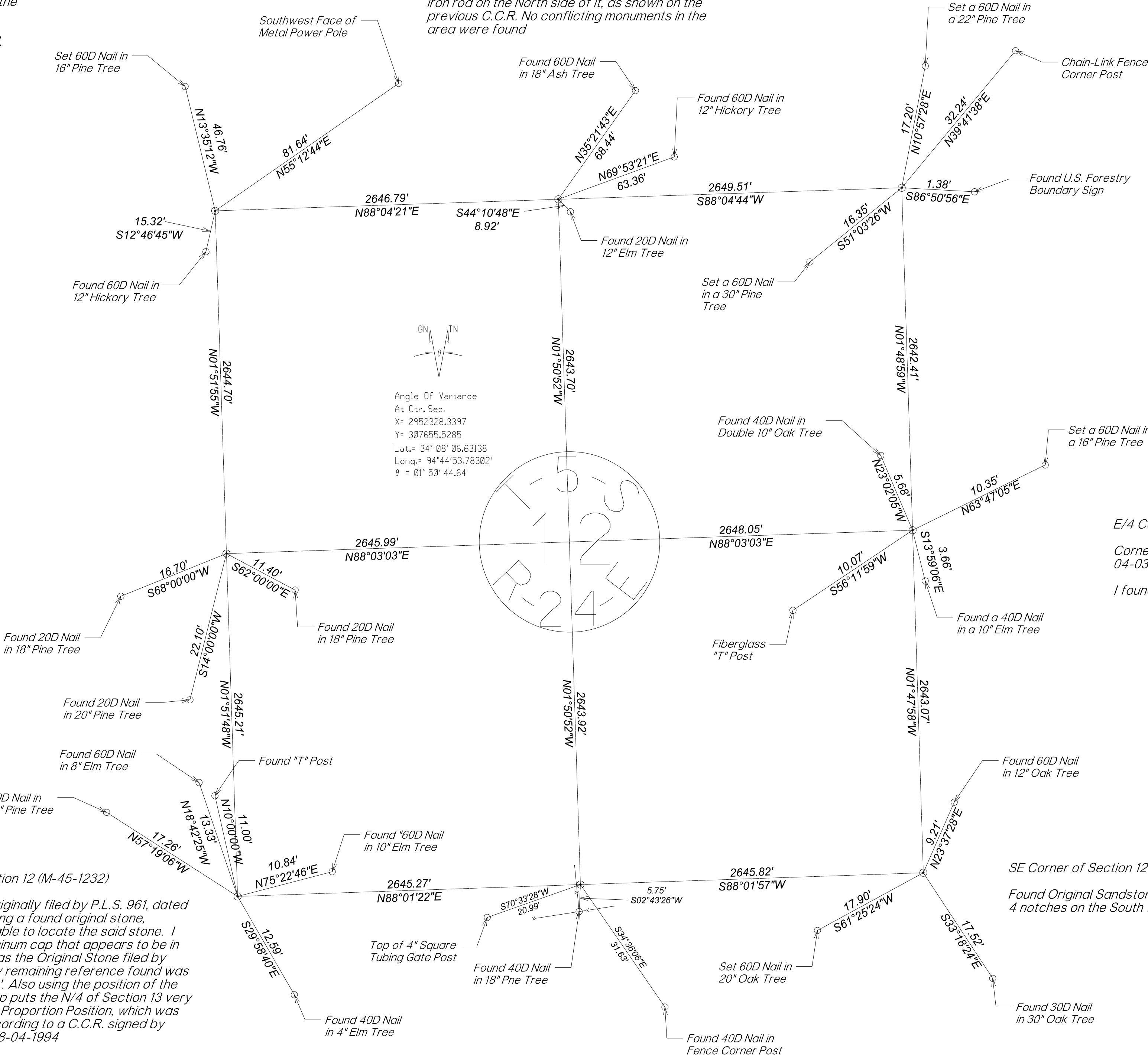
Used the Quartz Stone as found.

SW Corner of Section 12 (M-45-1232)

This corner was originally filed by P.L.S. 961, dated 08-04-1994, showing a found original stone, however I was unable to locate the said stone. I recovered an aluminum cap that appears to be in the same position as the Original Stone filed by P.L.S. 961. The only remaining reference found was a "T" Post N10°W 11'. Also using the position of the found aluminum cap puts the N/4 of Section 13 very close to the Single Proportion Position, which was how it was set according to a C.C.R. signed by P.L.S. 961, dated 08-04-1994

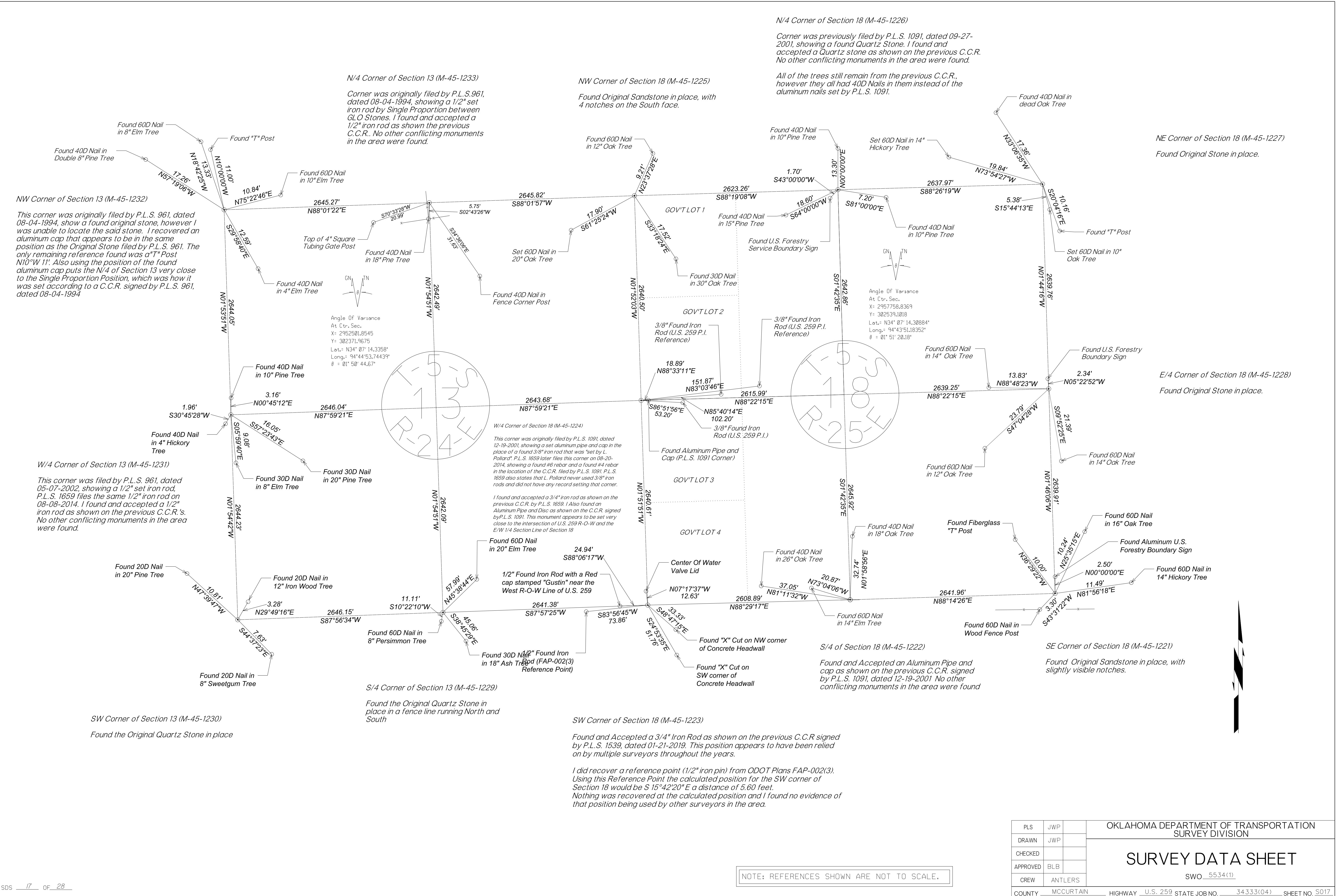
S/4 Corner of Section 12 (M-45-1233)

Corner was originally filed by P.L.S. 961, dated 08-04-1994, showing a 1/2" set iron rod by Single Proportion between GLO Stones. I found and accepted a 1/2" iron rod as shown the previous C.C.R. No other conflicting monuments in the area were found.



NOTE: REFERENCES SHOWN ARE NOT TO SCALE.

PLS	JWP	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	JWP	
CHECKED		
APPROVED	BLB	
CREW	ANTLERS	
COUNTY	MCCURTAIN	SURVEY DATA SHEET
HIGHWAY	U.S. 259	
STATE JOB NO.	34333(04)	SWO_5534(1)
SHEET NO.	S016	



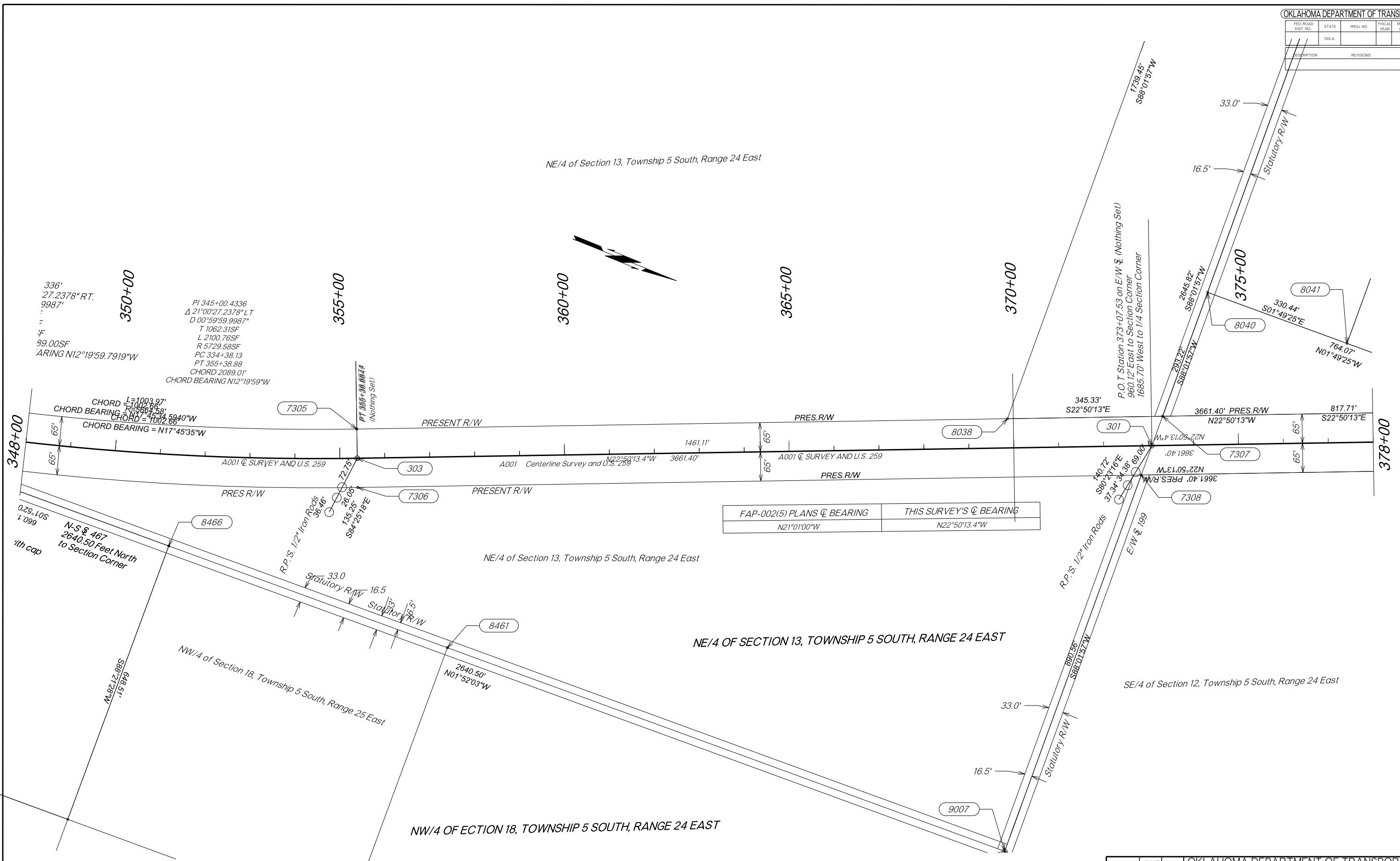
SDS 17 OF 28

PLS	JWP		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	JWP			
CHECKED			SURVEY DATA SHEET	
APPROVED	BLB			
CREW	ANTLERS		SWO_5534(1)	
COUNTY	MCCURTAIN	HIGHWAY	U.S. 259	STATE JOB NO. 34.33(04) SHEET NO. S017



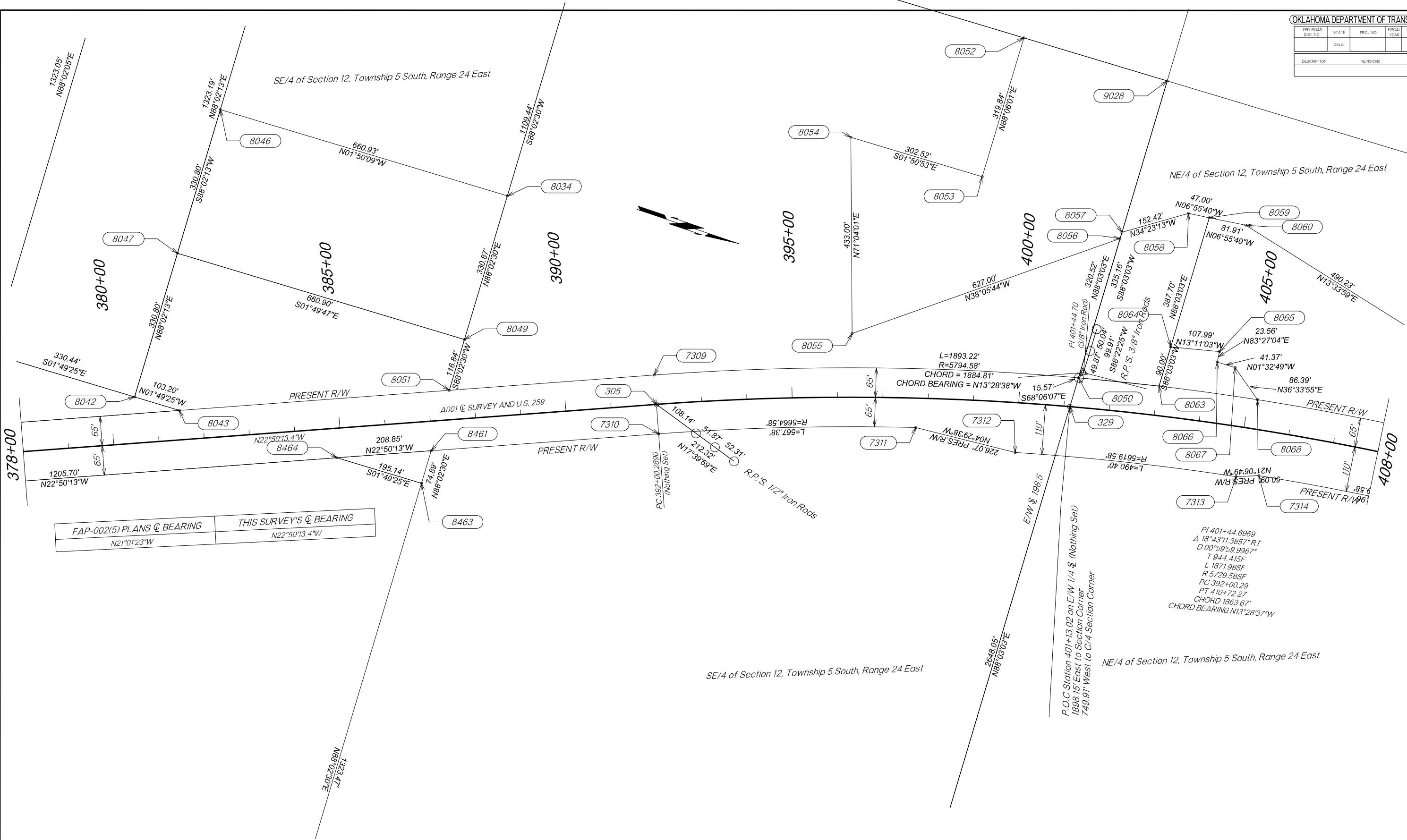
PLS	JWP	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION  SURVEY DATA SHEET
DRAWN	JWP	
CHECKED	BLB	
APPROVED	BLB	
CREW	ANTLERS	
SWO <u>5534 (1)</u> PROJECT NO. <u>34333 (04)</u> SHEET NO. <u>S018</u>		

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



PLS	JWP	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	JWP		
CHECKED	BLB	SURVEY DATA SHEET	
APPROVED	BLB		
CREW	ANTLERS	SWO 5534 (1)	PROJECT NO. 34333 (04) SHEET NO. S019

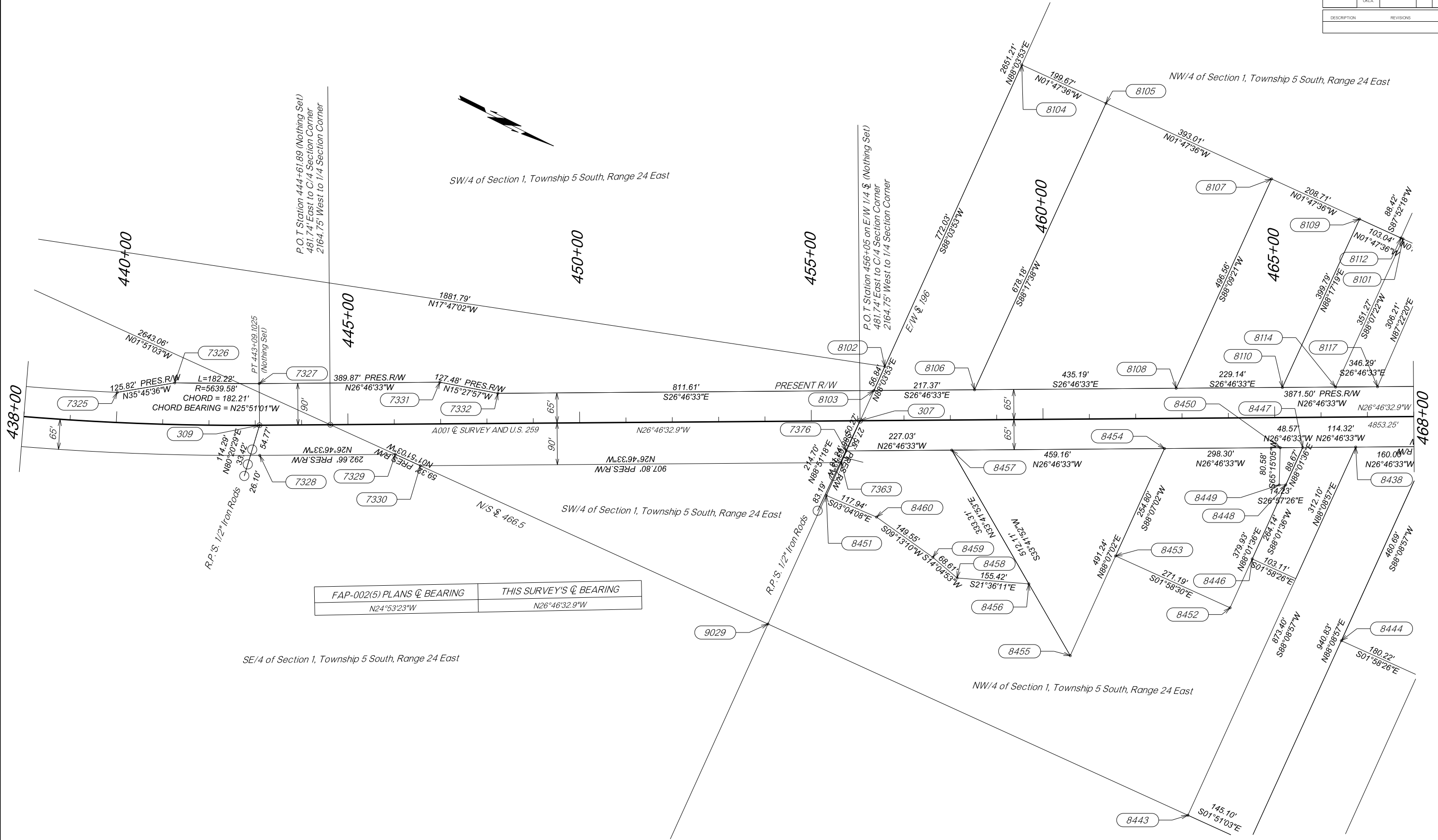
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
DESCRIPTION		REVISIONS		DATE	



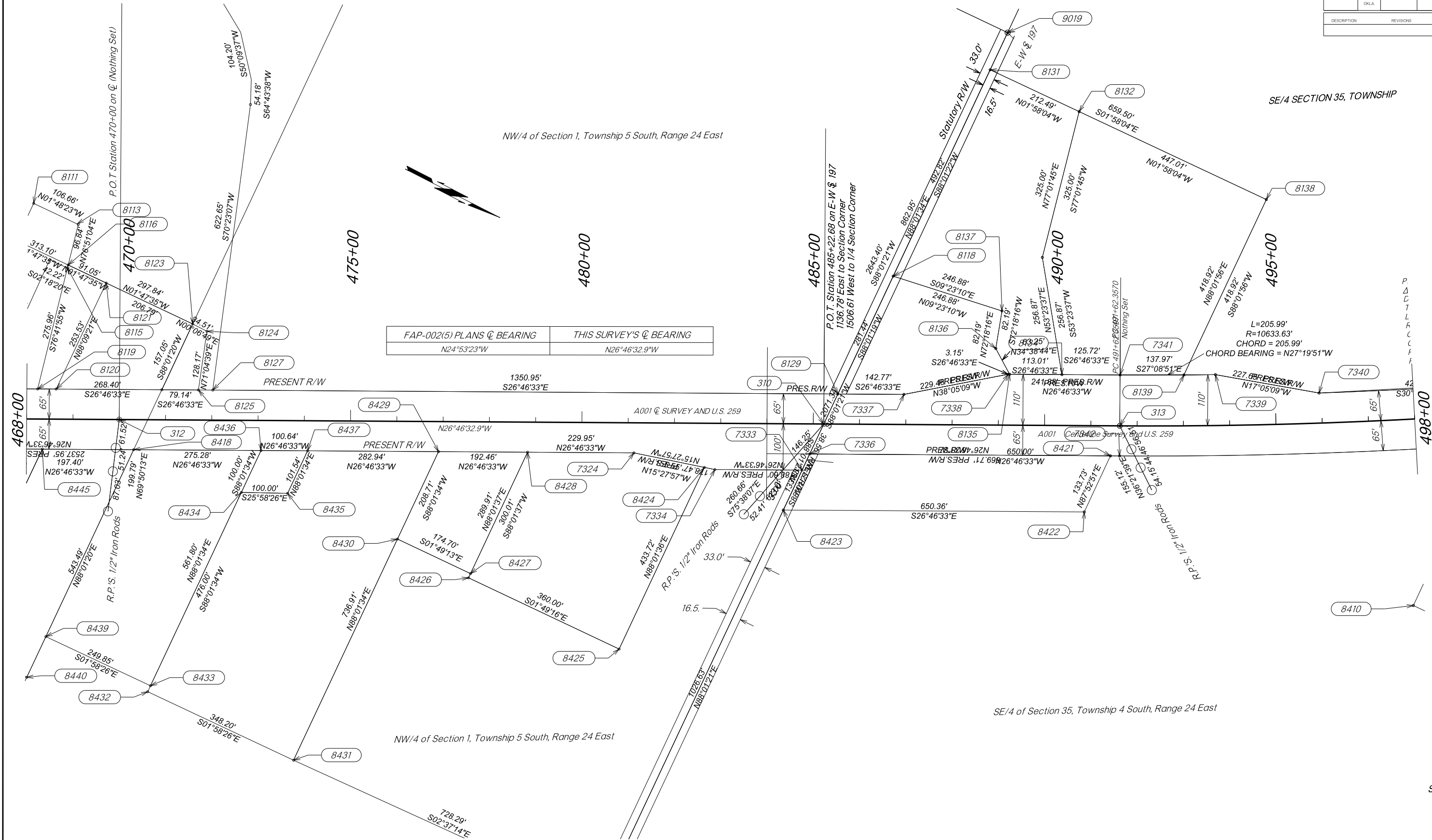
OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION		
PLS	JWP	
DRAWN	JWP	
CHECKED	BLB	
APPROVED	BLB	
CREW	ANTLERS	
SURVEY DATA SHEET		
SWO 5534 (1) PROJECT NO. 34333 (04) SHEET NO. S020		



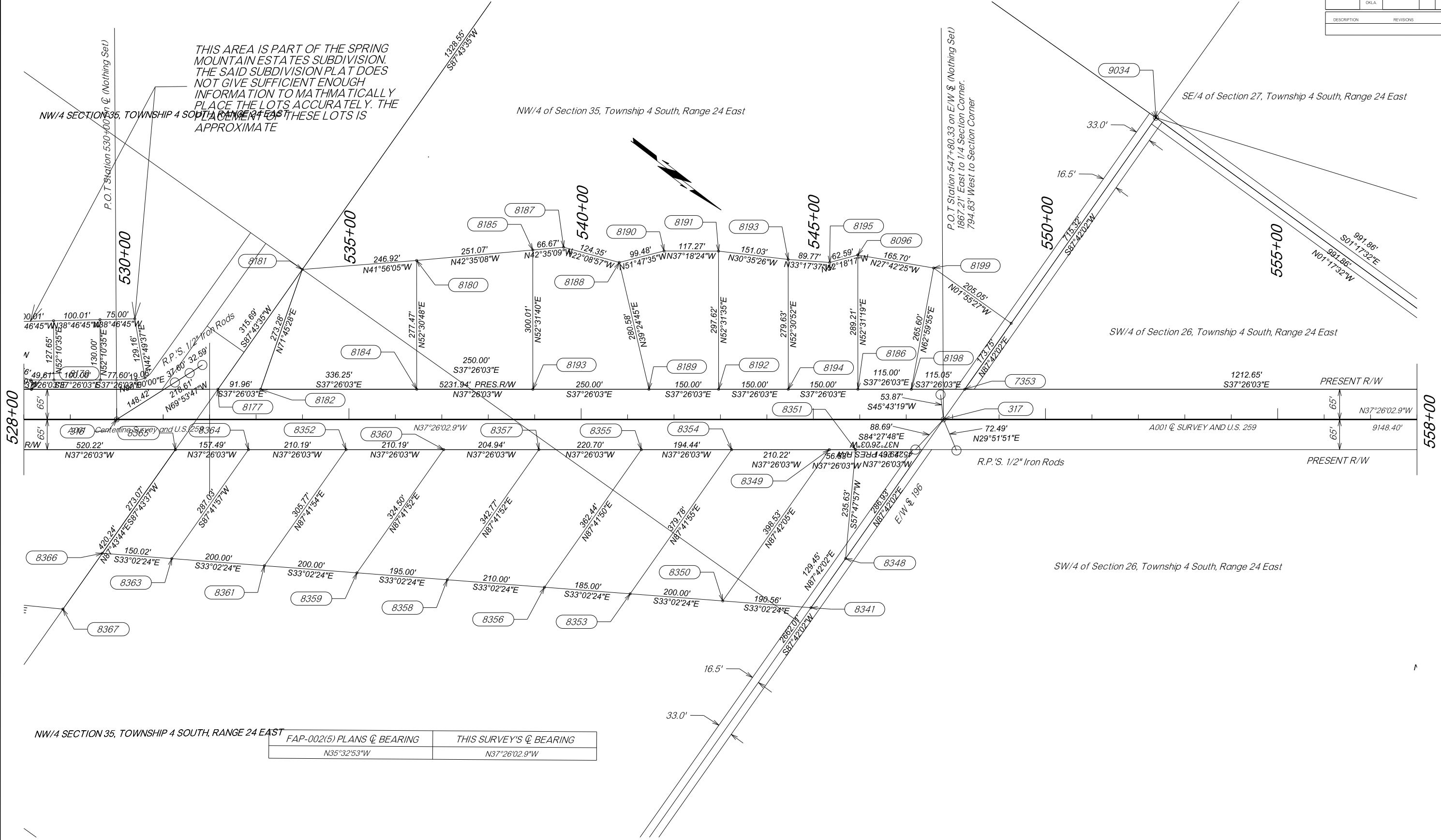




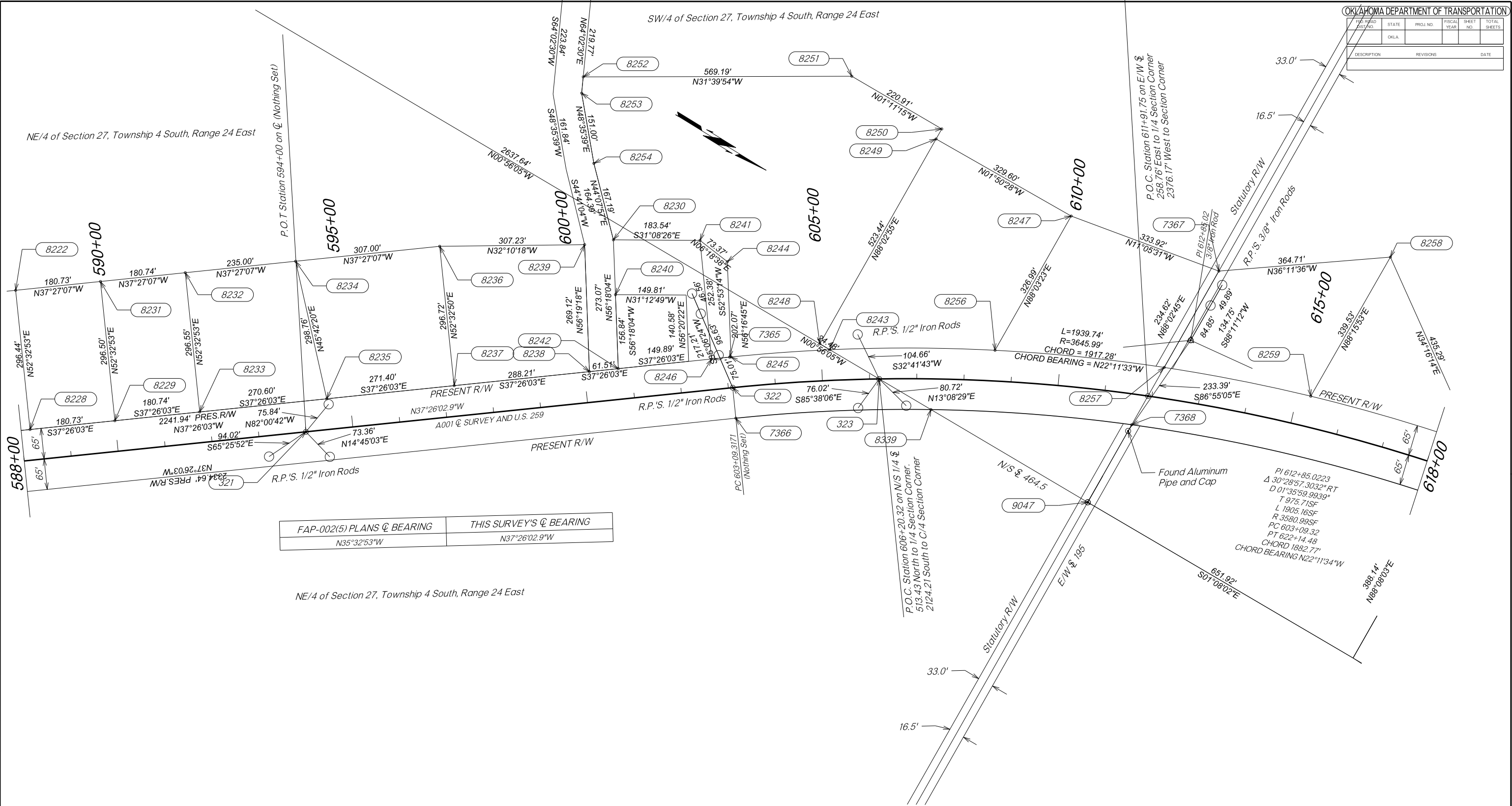
FAP-002(5) PLANS $\angle$ BEARING	THIS SURVEY'S $\angle$ BEARING
N24°53'23\"W	N26°46'32.9\"W











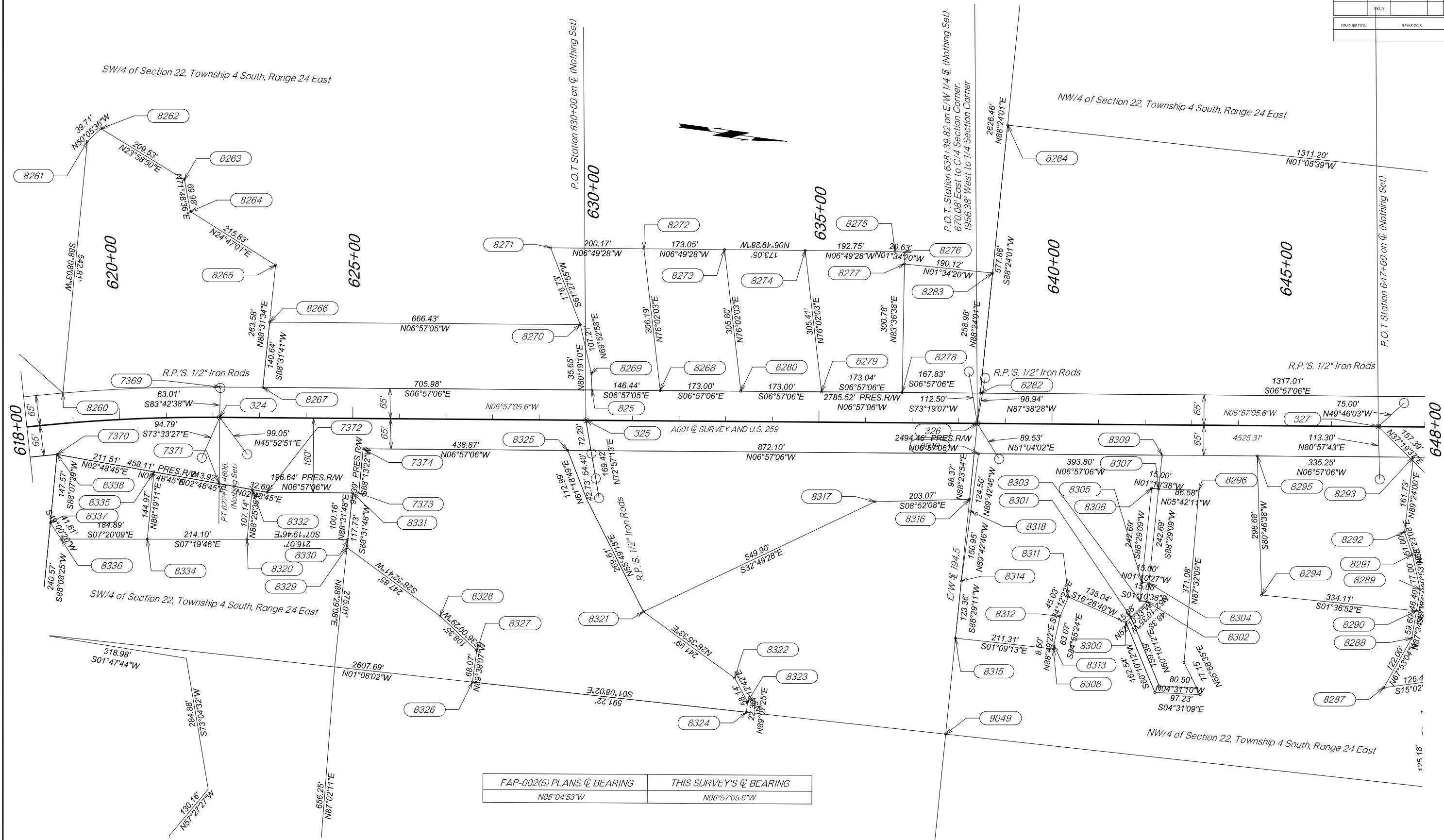
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
DESCRIPTION		REVISIONS		DATE	

FAP-002(5) PLANS $\angle$ BEARING	THIS SURVEY'S $\angle$ BEARING
N35°32'53"W	N37°26'02.9"W

PI 612+85.0223  
 $\Delta$  30°28'57.3032" RT  
D 01°35'59.9939"  
T 975.715F  
L 1905.165F  
R 3580.995F  
PC 603+09.32  
PT 622+14.48  
CHORD 1882.77'  
CHORD BEARING N22°11'34"W

OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION			
SURVEY DATA SHEET			
PLS	JWP		
DRAWN	JWP		
CHECKED	BLB		
APPROVED	BLB		
CREW	ANTLERS	SWO 5534 (1)	PROJECT NO. 34333 (04) SHEET NO. S02Z

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



FAP-002(5) PLANS & BEARING	THIS SURVEY'S & BEARING
N05°04'53\"W	N06°57'05.6\"W

PLS	JWP	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	JWP		
CHECKED	BLB	SURVEY DATA SHEET	
APPROVED	BLB		
CREW	ANTLERS	SWO 5534 (1)	PROJECT NO. 34333 (04) SHEET NO. S028