

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

DESCRIPTION	REVISIONS	DATE

Horizontal Alignment Name: EX. LINE 1

Element: Linear  
 P.O.B. STA. (148) 300+00.00 168890.6617 2123648.8580  
 P.I. STA. (138) 310+94.46 168766.5157 2122561.4570  
 Tangent Direction: S 83°29'12.76" W  
 Tangent Length: 1094.46

Element: Linear  
 P.I. STA. (138) 310+94.46 168766.5157 2122561.4570  
 P.C. STA. (142) 313+80.20 168734.1047 2122277.5690  
 Tangent Direction: S 83°29'12.63" W  
 Tangent Length: 285.73

Element: Circular  
 P.C. STA. (142) 313+80.20 168734.1047 2122277.5690  
 P.I. STA. ( ) 321+01.69 168652.2673 2121560.7348  
 C.C. (143) 180119.3417 2120977.7730  
 P.T. STA. (144) 328+21.22 168660.9817 2120839.3540  
 Radius: 11459.19  
 Delta: 7°12'18.31" Right  
 Degree of Curve: 0°29'59.99"  
 Length: 1441.02  
 Tangent: 721.46  
 Chord: 1440.07  
 Middle Ordinate: 22.64  
 External: 22.69  
 Tangent Direction: S 83°29'13.28" W  
 Radial Direction: N 6°30'46.72" W  
 Chord Direction: S 87°05'21.92" E  
 Radial Direction: N 0°41'31.59" E  
 Tangent Direction: N 89°18'28.41" W

Element: Linear  
 P.T. STA. (144) 328+21.22 168660.9817 2120839.3540  
 P.C. STA. (145) 365+36.32 168705.8477 2117124.5190  
 Tangent Direction: N 89°18'28.95" W  
 Tangent Length: 3715.11

Element: Circular  
 P.C. STA. (145) 365+36.32 168705.8477 2117124.5190  
 P.I. STA. ( ) 367+39.10 168708.2971 2116921.7555  
 C.C. STA. (146) 145789.1217 2116847.6850  
 P.T. STA. (147) 369+42.26 168707.1527 2116718.5920  
 Radius: 22918.40  
 Delta: 1°00'53.40" Left  
 Degree of Curve: 0°15'00.00"  
 Length: 405.93  
 Tangent: 202.97  
 Chord: 405.93  
 Middle Ordinate: 0.90  
 External: 0.90  
 Tangent Direction: N 89°18'28.44" W  
 Radial Direction: N 0°41'31.56" E  
 Chord Direction: N 89°48'56.89" W  
 Radial Direction: N 0°19'21.84" W  
 Tangent Direction: S 89°40'38.16" W

Element: Linear  
 P.T. STA. (147) 369+42.26 168707.1527 2116718.5920  
 P.I. STA. (141) 372+39.29 168705.4767 2116421.5710  
 Tangent Direction: S 89°40'36.12" W  
 Tangent Length: 297.03

Element: Linear  
 P.I. STA. (141) 372+39.29 168705.4767 2116421.5710  
 P.O.E. STA. (152) 376+39.28 168703.2207 2116021.5780  
 Tangent Direction: S 89°40'36.66" W  
 Tangent Length: 400.00

Horizontal Alignment Name: EX. LINE 3

Element: Linear  
 P.O.B. STA. (2114) 322+51.94 166688.0587 2120295.9798  
 P.C. STA. (102) 332+16.01 167597.7627 2119976.8000  
 Tangent Direction: N 19°20'02.38" W  
 Tangent Length: 964.07

Element: Circular  
 P.C. STA. (102) 332+16.01 167597.7627 2119976.8000  
 P.I. STA. ( ) 334+01.44 167772.7331 2119915.4092  
 C.C. STA. (106) 167850.6877 2120697.6630  
 P.C.C. STA. (2240) 335+79.83 167956.3780 2119941.0627  
 Radius: 763.95  
 Delta: 27°17'11.02" Right  
 Degree of Curvature(Arc): 7°29'59.90"  
 Length: 363.82  
 Tangent: 185.43  
 Chord: 360.39  
 Middle Ordinate: 21.56  
 External: 22.18  
 Tangent Direction: N 19°20'02.92" W  
 Radial Direction: N 70°39'57.08" E  
 Chord Direction: N 5°41'27.38" W  
 Radial Direction: S 82°02'51.90" E  
 Tangent Direction: N 7°57'08.10" E

Element: Circular  
 P.C.C. STA. (2240) 335+79.83 167956.3780 2119941.0627  
 P.I. STA. ( ) 342+52.63 168622.7047 2120034.1426  
 C.C. STA. (106) 167850.6877 2120697.6630  
 P.T. STA. (104) 346+83.03 168614.5777 2120706.8910  
 Radius: 763.95  
 Delta: 82°44'23.51" Right  
 Degree of Curvature(Arc): 7°29'59.91"  
 Length: 1103.20  
 Tangent: 672.80  
 Chord: 1009.81  
 Middle Ordinate: 190.64  
 External: 254.03  
 Tangent Direction: N 7°57'08.10" E  
 Radial Direction: S 82°02'51.90" E  
 Chord Direction: N 49°19'19.99" E  
 Radial Direction: S 0°41'31.61" W  
 Tangent Direction: S 89°18'28.39" E

Horizontal Alignment Name: EX. LINE 2

Element: Linear  
 P.O.B. STA. (158) 300+00.00 168905.8587 2123649.7270  
 P.C. STA. (155) 301+19.20 168892.3377 2123531.2950  
 Tangent Direction: S 83°29'12.93" W  
 Tangent Length: 119.20

Element: Circular  
 P.C. STA. (155) 301+19.20 168892.3377 2123531.2950  
 P.I. STA. ( ) 304+88.90 168850.4036 2123163.9854  
 C.C. STA. (156) 174584.9557 2122881.3940  
 P.T. STA. (157) 308+57.54 168856.0187 2122794.3630  
 Radius: 5729.60  
 Delta: 7°23'00.05" Right  
 Degree of Curvature(Arc): 0°59'59.99"  
 Length: 738.34  
 Tangent: 369.68  
 Chord: 737.83  
 Middle Ordinate: 11.89  
 External: 11.91  
 Tangent Direction: S 83°29'13.18" W  
 Radial Direction: N 6°30'46.82" W  
 Chord Direction: S 87°10'42.65" W  
 Radial Direction: N 0°52'13.23" E  
 Tangent Direction: N 89°07'46.77" W

Element: Linear  
 P.T. STA. (157) 308+57.54 168856.0187 2122794.3630  
 P.O.E. STA. (159) 331+70.11 168891.1397 2120482.0600  
 Tangent Direction: N 89°07'47.34" W  
 Tangent Length: 2312.57

Horizontal Alignment Name: EX. LINE 4

Element: Circular  
 P.C. STA. (2116) 320+59.65 166492.1506 2120208.8283  
 P.I. STA. ( ) 321+19.04 166544.8162 2120181.3781  
 C.C. STA. (213) 163821.7444 2115085.4163  
 P.T. STA. (2019) 321+78.42 166596.9028 2120152.8531  
 Radius: 5777.58  
 Delta: 1°10'40.26" Left  
 Degree of Curvature(Arc): 0°59'30.09"  
 Length: 118.77  
 Tangent: 59.39  
 Chord: 118.77  
 Middle Ordinate: 0.31  
 External: 0.31  
 Tangent Direction: N 27°31'45.35" W  
 Radial Direction: N 62°28'14.65" E  
 Chord Direction: N 28°07'05.41" E  
 Radial Direction: N 61°17'34.39" E  
 Tangent Direction: N 28°42'25.61" W

Element: Linear  
 P.T. STA. (2019) 321+78.42 166596.9028 2120152.8531  
 P.C. STA. (154) 332+34.91 167523.5287 2119645.3900  
 Tangent Direction: N 28°42'25.73" W  
 Tangent Length: 1056.48

Element: Circular  
 P.C. STA. (154) 332+34.91 167523.5287 2119645.3900  
 P.I. STA. ( ) 334+08.56 167675.8408 2119561.9768  
 C.C. STA. (167) 168023.9137 2120559.0910  
 P.C.C. STA. (2244) 335+79.06 167846.9752 2119532.4814  
 Radius: 1041.75  
 Delta: 18°55'41.41" Right  
 Degree of Curvature(Arc): 5°29'59.91"  
 Length: 344.15  
 Tangent: 173.66  
 Chord: 342.59  
 Middle Ordinate: 14.18  
 External: 14.38  
 Tangent Direction: N 28°42'25.76" W  
 Radial Direction: N 61°17'34.24" E  
 Chord Direction: N 19°14'35.00" W  
 Radial Direction: N 80°13'15.65" E  
 Tangent Direction: N 9°46'44.35" W

Element: Circular  
 P.C.C. STA. (2244) 335+79.06 167846.9752 2119532.4814  
 P.I. STA. ( ) 339+19.68 168182.6449 2119474.6280  
 C.C. STA. (167) 168023.9137 2120559.0910  
 P.C.C. STA. (168) 342+37.47 168487.6567 2119626.2600  
 Radius: 1041.75  
 Delta: 36°12'45.25" Right  
 Degree of Curvature(Arc): 5°29'59.93"  
 Length: 658.41  
 Tangent: 340.62  
 Chord: 647.51  
 Middle Ordinate: 51.59  
 External: 54.27  
 Tangent Direction: N 9°46'44.35" W  
 Radial Direction: N 80°13'15.65" E  
 Chord Direction: N 8°19'38.74" E  
 Radial Direction: S 63°33'59.11" E  
 Tangent Direction: N 26°26'00.89" E

Element: Circular  
 P.C.C. STA. (168) 342+37.47 168487.6567 2119626.2600  
 P.I. STA. ( ) 345+59.62 168776.1227 2119769.6662  
 C.C. STA. (172) 168168.8337 2120267.5820  
 P.C.C. STA. (173) 348+42.93 168860.2067 2120080.6450  
 Radius: 716.20  
 Delta: 48°26'10.76" Right  
 Degree of Curvature(Arc): 7°59'59.90"  
 Length: 605.46  
 Tangent: 322.15  
 Chord: 587.59  
 Middle Ordinate: 63.03  
 External: 69.12  
 Tangent Direction: N 26°26'00.73" E  
 Radial Direction: S 63°33'59.27" E  
 Chord Direction: N 50°39'06.10" E  
 Radial Direction: S 15°07'48.51" E  
 Tangent Direction: N 74°52'11.49" E

Element: Circular  
 P.C.C. STA. (173) 348+42.93 168860.2067 2120080.6450  
 P.I. STA. ( ) 349+77.25 168895.2679 2120210.3162  
 C.C. STA. (165) 167937.6027 2120330.1040  
 P.T. STA. (166) 351+09.83 168893.2277 2120344.6210  
 Radius: 955.73  
 Delta: 16°00'01.78" Right  
 Degree of Curvature(Arc): 5°59'41.80"  
 Length: 266.90  
 Tangent: 134.32  
 Chord: 266.03  
 Middle Ordinate: 9.30  
 External: 9.39  
 Tangent Direction: N 74°52'11.37" E  
 Radial Direction: S 15°07'48.63" E  
 Chord Direction: N 82°52'11.48" E  
 Radial Direction: S 0°52'13.15" W  
 Tangent Direction: S 89°07'46.85" E

Horizontal Alignment Name: EX. LINE 4 CONT.

Element: Linear  
 P.T. STA. (166) 351+09.83 168893.2277 2120344.6210  
 P.O.E. STA. (159) 352+47.28 168891.1397 2120482.0600  
 Tangent Direction: S 89°07'46.63" E  
 Tangent Length: 137.45

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

GEOMETRIC LAYOUT SHEET 3 OF 4

STATE JOB NO. 30444(06) SHEET NO. 17

OKLAHOMA COUNTY