

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

DESCRIPTION	REVISIONS	DATE

Horizontal Alignment Name: LINE 4

STATION NORTHING EASTING

Element: Circular
P.C. STA. (2204) 332+23.41 167516.3290 2119656.1737
P.I. STA. () 334+79.49 167740.9367 2119533.1681
C.C. STA. (2205) 168017.6778 2120571.6347
P.C.C. STA. (2239) 337+25.66 167996.9704 2119528.0876

Radius: 1043.75
Delta: 27°34'13.33" Right
Degree of Curvature(Arc): 5°29'21.85"
Length: 502.25
Tangent: 256.08
Chord: 497.42
Middle Ordinate: 30.06
External: 30.96
Tangent Direction: N 28°42'25.76" W
Radial Direction: N 61°17'34.24" E
Chord Direction: N 14°55'19.08" W
Radial Direction: N 88°51'47.57" E
Tangent Direction: N 1°08'12.43" W

Element: Circular
P.C. STA. (2239) 337+25.66 167996.9704 2119528.0876
P.I. STA. () 339+81.74 168253.0041 2119523.0070
C.C. STA. (2205) 168017.6778 2120571.6347
P.C.C. STA. (2189) 342+27.90 168482.3148 2119637.0054

Radius: 1043.75
Delta: 27°34'13.33" Right
Degree of Curvature(Arc): 5°29'21.85"
Length: 502.25
Tangent: 256.08
Chord: 497.42
Middle Ordinate: 30.06
External: 30.96
Tangent Direction: N 1°08'12.43" W
Radial Direction: N 88°51'47.57" E
Chord Direction: N 12°38'54.22" E
Radial Direction: S 63°33'59.11" E
Tangent Direction: N 26°26'00.89" E

Element: Circular
P.C. STA. (2189) 342+27.90 168482.3148 2119637.0054
P.I. STA. () 345+44.65 168765.9475 2119778.0089
C.C. STA. (172) 168168.8337 2120267.5820
P.C.C. STA. (2193) 348+23.22 168848.6227 2120083.7771

Radius: 704.20
Delta: 48°26'10.77" Right
Degree of Curvature(Arc): 8°08'10.67"
Length: 595.31
Tangent: 316.75
Chord: 577.74
Middle Ordinate: 61.98
External: 67.96
Tangent Direction: N 26°26'00.72" E
Radial Direction: S 63°33'59.28" E
Chord Direction: N 50°39'06.09" E
Radial Direction: S 15°07'48.51" E
Tangent Direction: N 74°52'11.49" E

Element: Circular
P.C. STA. (2193) 348+23.22 168848.6227 2120083.7771
P.I. STA. () 349+55.85 168883.2427 2120211.8165
C.C. STA. (165) 167937.6027 2120330.1040
P.T. STA. (2194) 350+86.76 168881.2280 2120344.4387

Radius: 943.73
Delta: 16°00'01.78" Right
Degree of Curvature(Arc): 6°04'16.24"
Length: 263.55
Tangent: 132.64
Chord: 262.69
Middle Ordinate: 9.18
External: 9.28
Tangent Direction: N 74°52'11.37" E
Radial Direction: S 15°07'48.63" E
Chord Direction: N 82°52'12.29" E
Radial Direction: S 0°52'13.15" W
Tangent Direction: S 89°07'46.85" E

Element: Linear
P.T. STA. (2194) 350+86.76 168881.2280 2120344.4387
P.I. STA. (2256) 372+36.79 168848.5754 2122494.2154
Tangent Direction: S 89°07'47.32" E
Tangent Length: 2150.02

Element: Linear
P.I. STA. (2256) 372+36.79 168848.5754 2122494.2154
P.O.E. STA. (6622) 374+74.70 168857.0410 2122731.9752
Tangent Direction: N 87°57'38.93" E
Tangent Length: 237.91

Horizontal Alignment Name: LINE 3

STATION NORTHING EASTING

Element: Circular
P.C. STA. (2231) 332+03.24 167585.7104 2119981.0287
P.I. STA. () 332+70.16 167648.8555 2119958.8734
C.C. STA. (2230) 167838.6353 2120701.8913
P.C.C. STA. (2238) 333+36.74 167714.8909 2119948.0338

Radius: 763.95
Delta: 10°00'44.18" Right
Degree of Curvature(Arc): 7°29'59.91"
Length: 133.50
Tangent: 66.92
Chord: 133.33
Middle Ordinate: 2.91
External: 2.93
Tangent Direction: N 19°20'02.92" W
Radial Direction: N 70°39'57.08" E
Chord Direction: N 14°19'40.83" W
Radial Direction: N 80°40'41.26" E
Tangent Direction: N 9°19'18.74" W

Element: Circular
P.C. STA. (2238) 333+36.74 167714.8909 2119948.0338
P.I. STA. () 342+47.40 168613.5260 2119800.5244
C.C. STA. (2230) 167838.6353 2120701.8913
P.T. STA. (2232) 346+70.26 168602.5257 2120711.1193

Radius: 763.95
Delta: 100°00'50.35" Right
Degree of Curvature(Arc): 7°29'59.91"
Length: 1333.52
Tangent: 910.66
Chord: 1170.55
Middle Ordinate: 272.96
External: 424.72
Tangent Direction: N 9°19'18.74" W
Radial Direction: N 80°40'41.26" E
Chord Direction: N 40°41'06.44" E
Radial Direction: S 0°41'31.61" W
Tangent Direction: S 89°18'28.39" E

Element: Linear
P.T. STA. (2232) 346+70.26 168602.5257 2120711.1193
P.I. STA. (2234) 347+97.78 168600.9854 2120838.6292
Tangent Direction: S 89°18'28.39" E
Tangent Length: 127.52

Element: Linear
P.I. STA. (2234) 347+97.78 168600.9854 2120838.6292
P.I. STA. (2248) 349+33.21 168599.3409 2120974.0515
Tangent Direction: S 89°18'15.33" E
Tangent Length: 135.43

Element: Linear
P.I. STA. (2248) 349+33.21 168599.3409 2120974.0515
P.C. STA. (1217) 349+33.21 168599.3409 2120974.0525
Tangent Direction: S 89°18'28.46" E
Tangent Length: 0.00

Element: Circular
P.C. STA. (1217) 349+33.21 168599.3409 2120974.0525
P.I. STA. () 356+58.47 168590.5805 2121699.2520
C.C. STA. (1218) 180117.6405 2121113.1931
P.T. STA. (1219) 363+81.81 168672.8468 2122419.8236

Radius: 11519.14
Delta: 7°12'18.89" Left
Degree of Curvature(Arc): 0°29'50.63"
Length: 1448.59
Tangent: 725.25
Chord: 1447.64
Middle Ordinate: 22.76
External: 22.81
Tangent Direction: S 89°18'28.45" E
Radial Direction: S 0°41'31.55" W
Chord Direction: N 87°05'22.10" E
Radial Direction: S 6°30'47.34" E
Tangent Direction: N 83°29'12.66" E

Element: Linear
P.T. STA. (1219) 363+81.81 168672.8468 2122419.8236
P.C. STA. (1220) 369+86.78 168741.4691 2123020.8874
Tangent Direction: N 83°29'12.66" E
Tangent Length: 604.97

POINT NAME	NORTHING	EASTING	ELEVATION	NAIL
1	168776.8173	2119786.1383	1174.941	NAIL
2	168589.0835	2119649.3583	1176.871	NAIL
102	167597.7627	2119976.8000	0.00	
104	168614.5777	2120706.8910	0.00	
106	167850.6877	2120697.6630	0.00	
138	168766.5157	2122561.4570	0.00	
141	168705.4767	2116421.5710	0.00	
142	168734.1047	2122277.5690	0.00	
143	180119.3417	2120977.7730	0.00	
144	168660.9817	2120839.3540	0.00	
145	168705.8477	2117124.5190	0.00	
146	145789.1217	2116847.6850	0.00	
147	168707.1527	2116718.5920	0.00	
148	168890.6617	2123648.8580	0.00	
152	168703.2207	2116021.5780	0.00	
154	167523.5287	2119645.3900	0.00	
155	168892.3377	2123531.2950	0.00	
156	174584.9557	2122881.3940	0.00	
157	168856.0187	2122794.3630	0.00	
158	168905.8587	2123649.7270	0.00	
159	168889.1397	2120482.0600	0.00	
165	167937.6027	2120330.1040	0.00	
166	168893.2277	2120344.6210	0.00	
167	168023.9137	2120559.0910	0.00	
168	168487.6567	2119626.2600	0.00	
172	168168.8337	2120267.5820	0.00	
173	168860.2067	2120080.6450	0.00	
181	168320.2627	2119516.5774	1179.186	NAIL
1216	168757.9280	2123237.2468	0.00	
1217	168599.3409	2120974.0525	0.00	
1218	180117.6405	2121113.1931	0.00	
1219	168672.8468	2122419.8236	0.00	
1220	168741.4691	2123020.8874	0.00	
1221	165895.1689	2123345.8441	0.00	
1222	168757.3903	2123224.5568	0.00	
2019	166596.9028	2120152.8531	0.00	
2116	166492.1506	2120208.8283	0.00	
2189	168482.3148	2119637.0054	0.00	
2193	168848.6227	2120083.7771	0.00	
2194	168881.2280	2120344.4387	0.00	
2204	167516.3290	2119656.1737	0.00	
2205	168017.6778	2120571.6347	0.00	
2216	168469.9138	2118824.9347	0.00	
2230	167838.6353	2120701.8913	0.00	
2231	167585.7104	2119981.0287	0.00	
2232	168602.5257	2120711.1193	0.00	
2234	168600.9854	2120838.6292	0.00	
2238	167714.8909	2119948.0338	0.00	
2239	167996.9704	2119528.0876	0.00	
2240	167956.3780	2119941.0627	0.00	
2244	167846.9752	2119532.4814	0.00	
2248	168599.3409	2120974.0515	0.00	
2256	168848.5754	2122494.2154	0.00	
6622	168857.0410	2122731.9752	0.00	

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

GEOMETRIC LAYOUT
SHEET 4 OF 4