

#1
Curve Data Based on Centerline
Rad. = 100' Delta = 90° 27' 57" Tangent = 100.82'
Arc = 157.89' L.C. = 142.00' Def/Ft. = 17.18902 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 2+27.50 | - | - | - | 000'00" | 000'00" |
| 2+50.00 | 22.50' | 16.84' | 28.07' | 6'26'45" | 6'26'45" |
| 2+75.00 | 25.00' | 18.70' | 31.17' | 7'09'43" | 13'36'29" |
| 3+00.00 | 25.00' | 18.70' | 31.17' | 7'09'43" | 20'46'12" |
| 3+25.00 | 25.00' | 18.70' | 31.17' | 7'09'43" | 27'56'56" |
| 3+50.00 | 25.00' | 18.70' | 31.17' | 7'09'43" | 35'05'39" |
| 3+75.00 | 25.00' | 18.70' | 31.17' | 7'09'43" | 42'15'23" |
| 3+85.40 | 10.40' | 7.80' | 12.99' | 2'58'46" | 45'14'09" |

#2
Curve Data Based on Centerline
Rad. = 100' Delta = 90° 27' 57" Tangent = 100.82'
Arc = 157.89' L.C. = 142.00' Def/Ft. = 17.18902 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 4+84.77 | - | - | - | 000'00" | 000'00" |
| 5+00.00 | 15.23' | 19.02' | 11.41' | 4'21'47" | 4'21'47" |
| 5+25.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 11'31'31" |
| 5+50.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 18'41'14" |
| 5+75.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 25'50'58" |
| 6+00.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 33'00'41" |
| 6+25.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 40'10'25" |
| 6+42.67 | 17.67' | 22.06' | 13.24' | 5'03'44" | 45'14'09" |

#3
Curve Data Based on Centerline
Rad. = 100' Delta = 89° 32'03" Tangent = 99.19'
Arc = 156.27' L.C. = 140.85' Def/Ft. = 17.18836 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|----------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 9+68.21 | - | - | - | 000'00" | 000'00" |
| 9+75.00 | 6.79' | 8.49' | 5.09' | 1'56'42" | 1'56'42" |
| 10+00.00 | 25.00' | 31.17' | 18.70' | 7'09'42" | 9'06'25" |
| 10+25.00 | 25.00' | 31.17' | 18.70' | 7'09'42" | 16'16'07" |
| 10+50.00 | 25.00' | 31.17' | 18.70' | 7'09'42" | 23'25'50" |
| 10+75.00 | 25.00' | 31.17' | 18.70' | 7'09'42" | 30'35'32" |
| 11+00.00 | 25.00' | 31.17' | 18.70' | 7'09'42" | 37'45'15" |
| 11+24.48 | 24.48' | 30.52' | 18.31' | 7'00'46" | 44'46'01" |

#4
Curve Data Based on Centerline
Rad. = 100' Delta = 89° 32'03" Tangent = 99.19'
Arc = 156.27' L.C. = 140.85' Def/Ft. = 17.18836 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|----------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 12+22.11 | - | - | - | 000'00" | 000'00" |
| 12+50.00 | 22.89' | 17.13' | 28.55' | 6'33'26" | 6'33'26" |
| 12+75.00 | 25.00' | 18.70' | 31.17' | 7'09'42" | 13'43'09" |
| 13+00.00 | 25.00' | 18.70' | 31.17' | 7'09'42" | 20'52'51" |
| 13+25.00 | 25.00' | 18.70' | 31.17' | 7'09'42" | 28'02'34" |
| 13+50.00 | 25.00' | 18.70' | 31.17' | 7'09'42" | 35'12'16" |
| 13+75.00 | 25.00' | 18.70' | 31.17' | 7'09'42" | 42'21'59" |
| 13+83.39 | 8.39' | 6.28' | 10.47' | 2'24'02" | 44'46'01" |

#5
Curve Data Based on Centerline
Rad. = 102.4' Delta = 62° 39'07" Tangent = 62.32'
Arc = 111.97' L.C. = 106.48' Def/Ft. = 16.78627 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|----------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 15+88.38 | - | - | - | 000'00" | 000'00" |
| 16+00.00 | 11.62' | 8.78' | 14.45' | 3'15'03" | 3'15'03" |
| 16+25.00 | 25.00' | 18.85' | 31.03' | 6'59'39" | 10'14'43" |
| 16+50.00 | 25.00' | 18.85' | 31.03' | 6'59'39" | 17'24'22" |
| 16+75.00 | 25.00' | 18.85' | 31.03' | 6'59'39" | 24'34'01" |
| 17+00.35 | 25.35' | 18.11' | 31.46' | 7'05'32" | 31'19'33" |

#6
Curve Data Based on Centerline
Rad. = 100' Delta = 50'09'50" Tangent = 46.80'
Arc = 87.55' L.C. = 84.78' Def/Ft. = 17.18922 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|----------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 21+56.24 | - | - | - | 000'00" | 000'00" |
| 21+75.00 | 18.76' | 23.42' | 14.05' | 5'22'28" | 5'22'28" |
| 22+00.00 | 25.00' | 31.17' | 18.70' | 7'09'44" | 12'32'12" |
| 22+25.00 | 25.00' | 31.17' | 18.70' | 7'09'44" | 19'41'56" |
| 22+43.80 | 18.80' | 23.47' | 14.08' | 5'23'09" | 25'05'05" |

#7
Curve Data Based on Centerline
Rad. = 100' Delta = 62° 51' 13" Tangent = 61.10'
Arc = 109.7' L.C. = 104.28' Def/Ft. = 17.18877 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 4+15.16 | - | - | - | 000'00" | 000'00" |
| 4+25.00 | 9.84' | 12.50' | 7.38' | 2'49'08" | 2'49'08" |
| 4+50.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 9'58'51" |
| 4+75.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 17'08'34" |
| 5+00.00 | 25.00' | 31.17' | 18.70' | 7'09'43" | 24'18'18" |
| 5+24.86 | 24.86' | 31.00' | 18.60' | 7'07'19" | 31'25'56" |

#8
Curve Data Based on Centerline
Rad. = 100' Delta = 45° 27' 57" Tangent = 41.90'
Arc = 79.35' L.C. = 72.29' Def/Ft. = 17.18935 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 5+99.46 | - | - | - | 000'00" | 000'00" |
| 6+00.00 | 0.54' | 0.67' | 0.40' | 0'09'17" | 0'09'17" |
| 6+25.00 | 25.00' | 31.17' | 18.70' | 7'09'44" | 7'19'01" |
| 6+50.00 | 25.00' | 31.17' | 18.70' | 7'09'44" | 14'28'45" |
| 6+78.82 | 28.82' | 35.90' | 21.54' | 8'15'24" | 22'44'09" |

#9
Curve Data Based on Centerline
Rad. = 150' Delta = 45'00'00" Tangent = 62.13'
Arc = 117.81' L.C. = 114.81' Def/Ft. = 11.45913 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|----------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 10+69.21 | - | - | - | 000'00" | 000'00" |
| 10+75.00 | 5.79' | 4.82' | 6.75' | 1'06'21" | 1'06'21" |
| 11+00.00 | 25.00' | 20.81' | 29.13' | 4'46'28" | 5'52'49" |
| 11+25.00 | 25.00' | 20.81' | 29.13' | 4'46'28" | 10'39'18" |
| 11+50.00 | 25.00' | 20.81' | 29.13' | 4'46'28" | 15'25'47" |
| 11+87.02 | 37.02' | 30.77' | 43.08' | 7'04'13" | 22'30'00" |

#10
Curve Data Based on Centerline
Rad. = 100' Delta = 26° 24' 24" Tangent = 23.46'
Arc = 46.09' L.C. = 45.68' Def/Ft. = 17.18811 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 2+28.54 | - | - | - | 000'00" | 000'00" |
| 2+50.00 | 21.46' | 26.13' | 16.71' | 6'08'51" | 6'08'51" |
| 2+74.63 | 24.63' | 29.97' | 19.16' | 7'03'20" | 13'12'12" |

#11
Curve Data Based on Centerline
Rad. = 100' Delta = 30° 58' 24" Tangent = 27.71'
Arc = 54.06' L.C. = 53.40' Def/Ft. = 17.18831 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 0+57.90 | - | - | - | 000'00" | 000'00" |
| 0+75.00 | 17.10' | 12.81' | 21.35' | 4'53'55" | 4'53'55" |
| 1+00.00 | 25.00' | 18.70' | 31.17' | 7'09'42" | 12'03'37" |
| 1+11.96 | 11.96' | 8.96' | 14.94' | 3'25'34" | 15'29'12" |

#12
Curve Data Based on Centerline
Rad. = 100' Delta = 27° 44' 53" Tangent = 24.70'
Arc = 48.43' L.C. = 47.96' Def/Ft. = 17.18855 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 4+16.19 | - | - | - | 000'00" | 000'00" |
| 4+25.00 | 8.81' | 6.61' | 11.01' | 2'31'26" | 2'31'26" |
| 4+50.00 | 25.00' | 18.70' | 31.17' | 7'09'43" | 9'41'08" |
| 4+64.62 | 14.62' | 10.96' | 18.26' | 4'11'18" | 13'52'26" |

#13
Curve Data Based on Centerline
Rad. = 150' Delta = 63° 36' 54" Tangent = 93.03'
Arc = 168.54' L.C. = 158.12' Def/Ft. = 11.45913 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 1+89.62 | - | - | - | 000'00" | 000'00" |
| 2+00.00 | 10.38' | 8.86' | 11.90' | 1'58'57" | 1'58'57" |
| 2+25.00 | 25.00' | 21.31' | 28.63' | 4'46'29" | 6'45'26" |
| 2+50.00 | 25.00' | 21.31' | 28.63' | 4'46'29" | 11'31'55" |
| 2+75.00 | 25.00' | 21.31' | 28.63' | 4'46'29" | 16'18'24" |
| 3+00.00 | 25.00' | 21.31' | 28.63' | 4'46'29" | 21'04'53" |
| 3+25.00 | 25.00' | 21.31' | 28.63' | 4'46'29" | 25'51'22" |
| 3+56.16 | 31.16' | 26.54' | 35.67' | 5'57'04" | 31'48'27" |

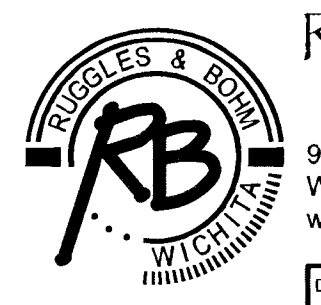
#14
Curve Data Based on Centerline
Rad. = 500' Delta = 9° 13'08" Tangent = 40.31'
Arc = 80.54' L.C. = 80.36' Def/Ft. = 3.43390 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|----------|----------|
| | | 8 Lt. | 8 Rt. | | |
| 4+67.79 | - | - | - | 000'00" | 000'00" |
| 4+75.00 | 7.21' | 6.88' | 7.52' | 0'24'45" | 0'24'45" |
| 5+00.00 | 25.00' | 23.87' | 26.07' | 1'25'51" | 1'50'36" |
| 5+25.00 | 25.00' | 23.87' | 26.07' | 1'25'51" | 3'16'27" |
| 5+48.25 | 23.25' | 22.20' | 24.24' | 1'19'50" | 4'36'17" |

#15
Curve Data Based on Centerline
Rad. = 100' Delta = 40° 40' 38" Tangent = 37.07'
Arc = 71' L.C. = 69.51' Def/Ft. = 17.18756 Min.

| Station | Arc | FACE CHORD LENGTHS | | Defl. | T. Defl. |
|---------|--------|--------------------|--------|-----------|-----------|
| | | 8 Lt. | 8 Rt. | | |
| 0+71.53 | - | - | - | 000'00" | 000'00" |
| 0+75.00 | 3.47' | 4.25' | 2.69' | 0'59'38" | 0'59'38" |
| 1+00.00 | 25.00' | 30.54' | 19.32' | 7'09'41" | 8'09'20" |
| 1+42.53 | 42.53' | 51.70' | 32.71' | 12'10'59" | 20'20'19" |

**Sierra Hills Addition
Curve Data
WICHITA, KANSAS**



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| DRAWING FILE Paving Details [Curve Data] | PROJECT NUMBER 472-83703 | DATE Apr. 10, 2003 | DESIGN CMB DRAWN EJC REVIEW UTILITY | SHEET 18 OF 69 |
|---|-----------------------------|-----------------------|--|-------------------------|