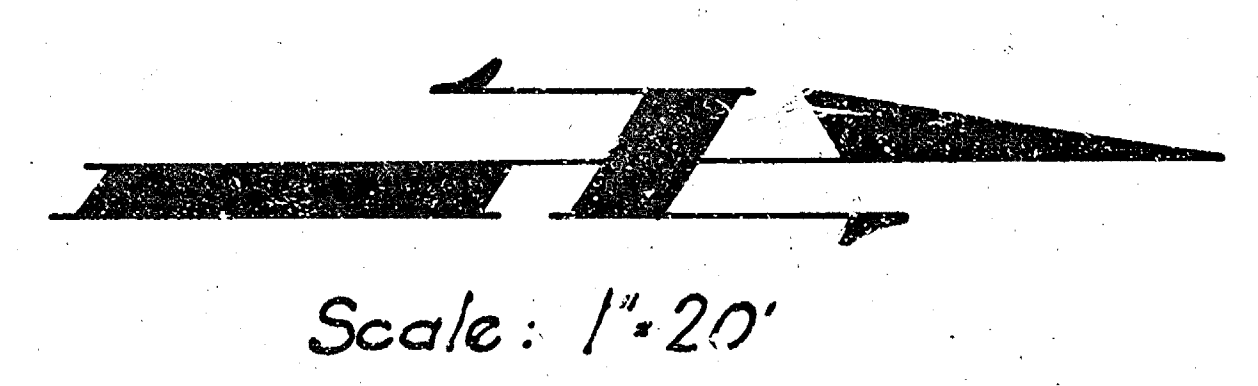
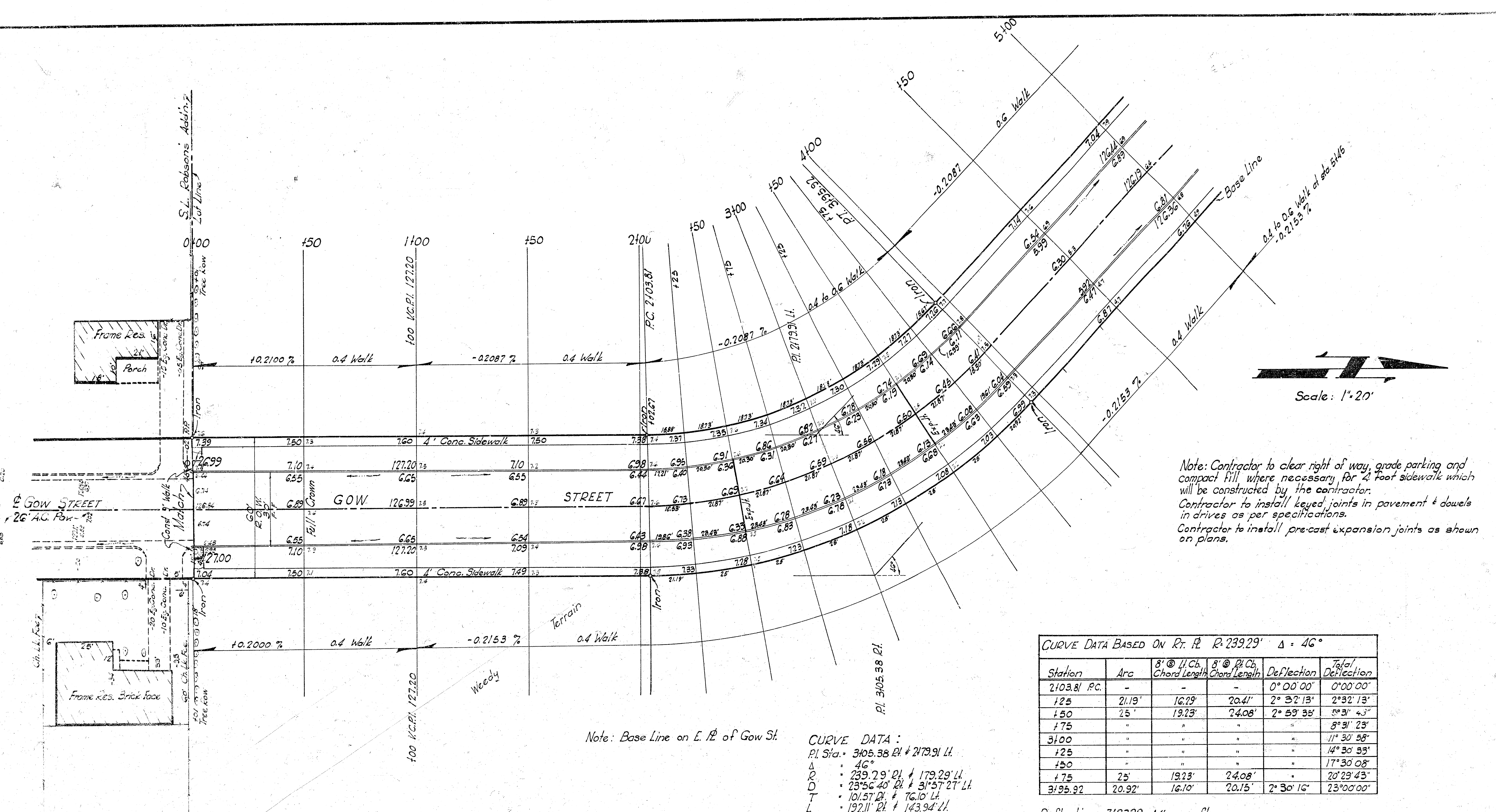


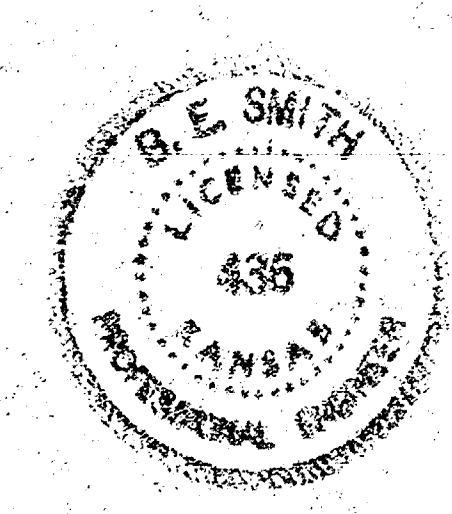


Note: Contractor to clear right of way, grade parking and compact fill where necessary for 4 foot sidewalk which will be constructed by the contractor.  
 Contractor to install keyed joints in pavement & dowels in drives as per specifications.  
 Contractor to install pre-cast expansion joints as shown on plans.

B.M. 133.26 "M" in Muller S.E. Cor. 19th & Westridge.  
 B.M. 130.61 S.E. Cor. Conc. Porch Ho. #1951 Joann St.

Earthwork Quantities For Project

|            |              |                |             |
|------------|--------------|----------------|-------------|
| Excavation | 4054 Cu.Yds. | Compacted Fill | 99 Cu.Yds.  |
| 110%       | 405 Cu.Yds.  | 110%           | 10 Cu.Yds.  |
| Total      | 4459 Cu.Yds. | Total          | 109 Cu.Yds. |



**GOW & JOANN STREETS**  
 as platted in Robson's Scenic Heights  
 30' Conc. & Curb  
 B.E. Smith City Engineer  
 City of Wichita, Kansas  
 Date: Sept. 1968 Proj. No. C17-90



B.M. 133.26 "M" in Muller S.E. cor. 19th & Westridge.  
B.M. 130.61 S.E. cor. conc. porch Ho. "1951 Joann.

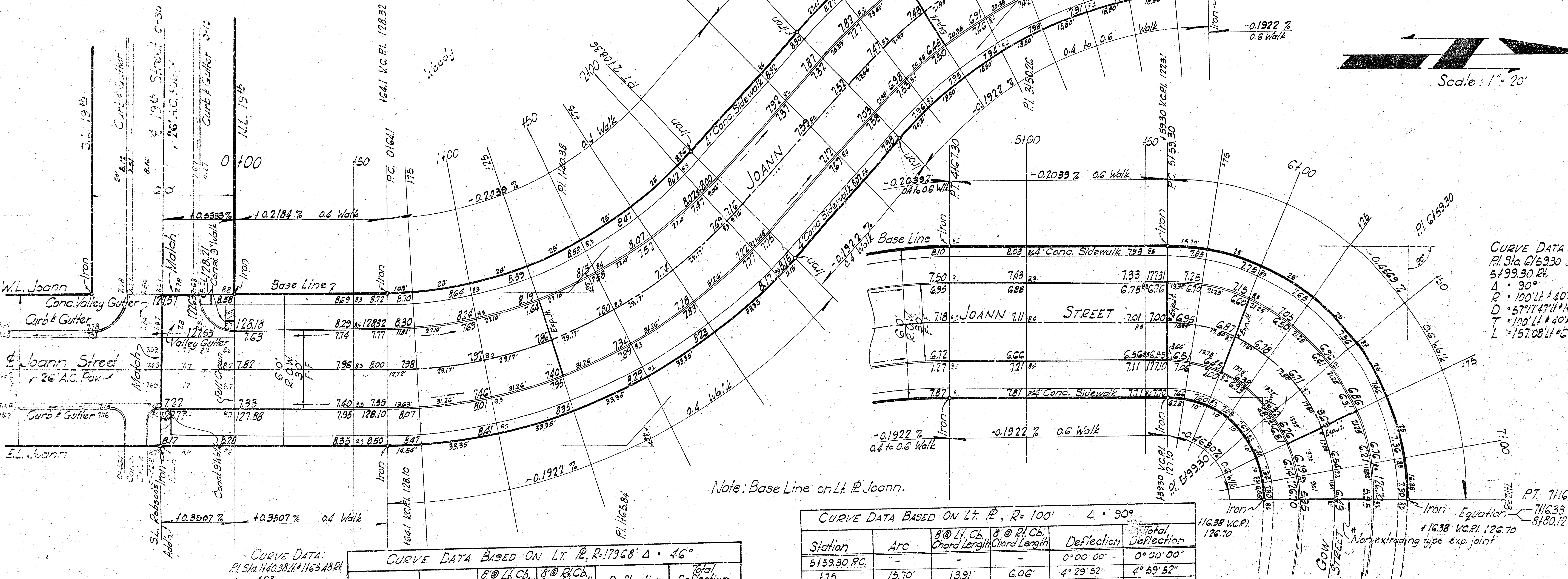
Note: Contractor to clear right of way, grade parking and compact fill where necessary for 4 inch sidewalk which will be constructed by the contractor.

| CURVE DATA BASED ON LT. R, R=241.82' Δ = 46° |        |                           |                           |            |                  |
|----------------------------------------------|--------|---------------------------|---------------------------|------------|------------------|
| Station                                      | Arc    | 8" @ Lt. Ch. Chord Length | 8" @ Rt. Ch. Chord Length | Deflection | Total Deflection |
| 2172.99 P.C.                                 | -      | -                         | -                         | 0° 00' 00" | 0° 00' 00"       |
| 3100                                         | 27.01' | 26.03'                    | 20.85'                    | 3° 10' 47" | 3° 10' 47"       |
| 125                                          | 25'    | 24.10'                    | 19.29'                    | 2° 57' 4"  | 6° 08' 29"       |
| 150                                          | -      | -                         | -                         | -          | 9° 06' 12"       |
| 175                                          | -      | -                         | -                         | -          | 12° 03' 53"      |
| 4100                                         | -      | -                         | -                         | -          | 15° 01' 35"      |
| 125                                          | -      | -                         | -                         | -          | 17° 59' 17"      |
| 150                                          | 25'    | 24.10'                    | 19.29'                    | 2° 57' 41" | 20° 56' 59"      |
| 4167.90 P.T.                                 | 17.30' | 16.67'                    | 13.35'                    | 2° 02' 59" | 23° 00' 00"      |

Deflection: 7.1080 Min. per foot arc.

CURVE DATA:  
PI Sta 3175.7211 ± 3150.26 R/L  
Δ = 46°  
R = 241.8211 ± 181.82 R/L  
D = 23° 40' 22" ± 31° 35' 40" R/L  
T = 102.7311 ± 77.27 R/L  
L = 194.3111 ± 46.14 R/L

Note: Contractor to install pre-cast expansion joint as shown on plans.  
Contractor to install keyed joints in pavement & dowels in drives as per specifications.  
Contractor to install pre-cast expansion joint as shown on plans.



CURVE DATA:  
PI Sta 1140.5811 ± 1165.48 R/L  
Δ = 46°  
R = 179.6811 ± 239.69 R/L  
D = 31° 53' 13" ± 23° 54' 17" R/L  
T = 76.2811 ± 101.74 R/L  
L = 144.2611 ± 192.43 R/L

| CURVE DATA BASED ON LT. R, R=179.68' Δ = 46° |       |                           |                           |            |                  |
|----------------------------------------------|-------|---------------------------|---------------------------|------------|------------------|
| Station                                      | Arc   | 8" @ Lt. Ch. Chord Length | 8" @ Rt. Ch. Chord Length | Deflection | Total Deflection |
| 0+64.1 P.C.                                  | -     | -                         | -                         | 0° 00' 00" | 0° 00' 00"       |
| 125                                          | 14.9' | 11.18'                    | 14.00'                    | 1° 44' 16" | 1° 44' 16"       |
| 175                                          | 25'   | 25.64'                    | 32.12'                    | 3° 59' 09" | 5° 43' 25"       |
| 125                                          | -     | -                         | -                         | -          | 9° 42' 35"       |
| 150                                          | -     | -                         | -                         | -          | 13° 41' 44"      |
| 175                                          | -     | -                         | -                         | -          | 17° 40' 53"      |
| 2100                                         | 25'   | 25.64'                    | 32.12'                    | 3° 59' 09" | 21° 40' 02"      |
| 2108.36 P.T.                                 | 8.36' | 8.25'                     | 10.75'                    | 1° 20' 58" | 23° 00' 00"      |

Deflection: 9.5663 Min. per foot arc.

| CURVE DATA BASED ON LT. R, R=100' Δ = 90° |        |                           |                           |            |                  |
|-------------------------------------------|--------|---------------------------|---------------------------|------------|------------------|
| Station                                   | Arc    | 8" @ Lt. Ch. Chord Length | 8" @ Rt. Ch. Chord Length | Deflection | Total Deflection |
| 5159.30 P.C.                              | -      | -                         | -                         | 0° 00' 00" | 0° 00' 00"       |
| 175                                       | 15.70' | 13.91'                    | 6.06'                     | 4° 29' 52" | 4° 29' 52"       |
| 6100                                      | 25'    | 22.15'                    | 9.66'                     | 7° 09' 43" | 11° 39' 35"      |
| 125                                       | -      | -                         | -                         | -          | 3° 49' 18"       |
| 150                                       | -      | -                         | -                         | -          | 25° 59' 01"      |
| 175                                       | -      | -                         | -                         | -          | 33° 08' 44"      |
| 7100                                      | 25'    | 22.15'                    | 9.66'                     | 7° 09' 43" | 40° 18' 27"      |
| 7116.98 P.T.                              | 16.38' | 14.51'                    | 6.23'                     | 4° 41' 33" | 45° 00' 00"      |

Deflection: 17.18873 Min. per foot arc.

**GOW & JOANN STREET**  
as platted in Robson's Scenic Hwy  
30' Conc. & Curb  
B.E. Smith City Engineer  
City of Wichita, Kansas  
Date Proj. No. C17-90

B.M. 133.26 "M" in Muller S.E. cor. 19th & Westridge.  
B.M. 130.61 S.E. cor. conc. porch Ho. 1951 Joann.

Note: Contractor to clear right of way, grade parking and compact fill where necessary for 4 inch sidewalk which will be constructed by the contractor.

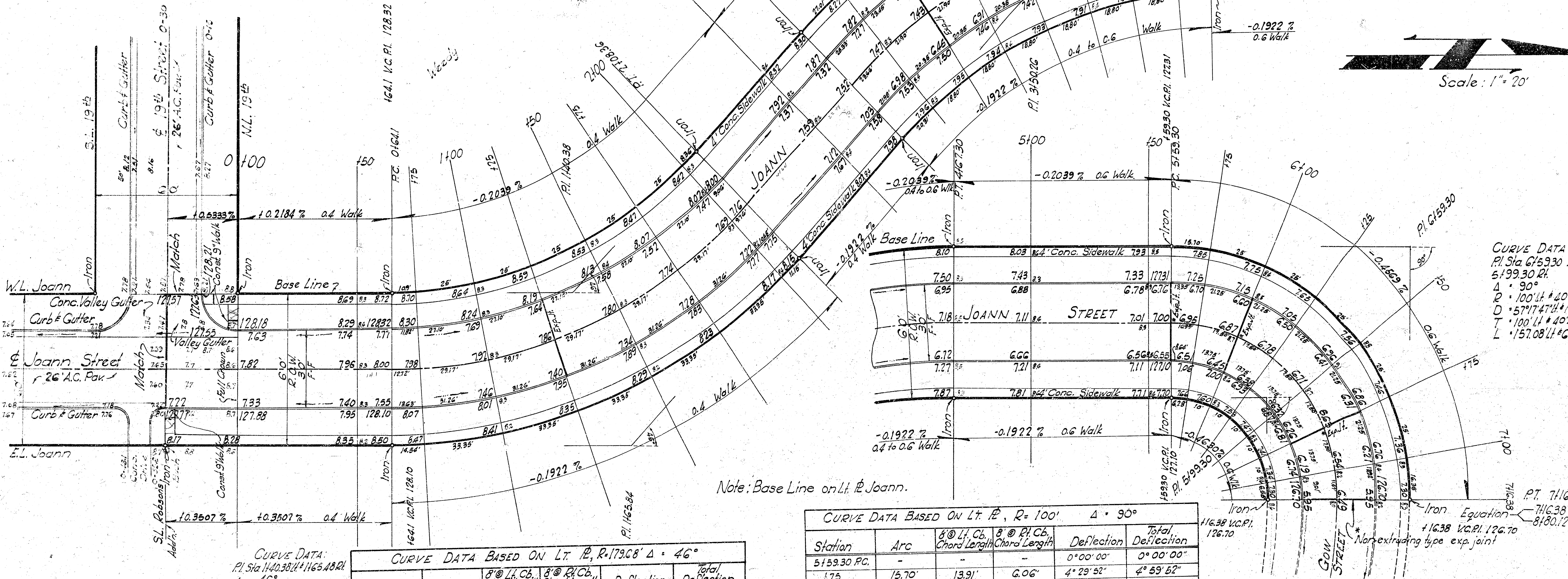
CURVE DATA BASED ON LT. P, R=241.82' Δ = 46°

| Station    | Arc    | 8' @ Lt. Ch. Chord Length | 8' @ Rt. Ch. Chord Length | Deflection | Total Deflection |
|------------|--------|---------------------------|---------------------------|------------|------------------|
| 2172.99 PC | -      | -                         | -                         | 0° 00' 00" | 0° 00' 00"       |
| 3100       | 27.01' | 26.03'                    | 20.85'                    | 3° 10' 47" | 3° 10' 47"       |
| 125        | 25'    | 24.10'                    | 19.29'                    | 2° 57' 4"  | 6° 08' 29"       |
| 150        | "      | "                         | "                         | "          | 9° 06' 12"       |
| 175        | "      | "                         | "                         | "          | 12° 03' 53"      |
| 4100       | "      | "                         | "                         | "          | 15° 01' 35"      |
| 125        | "      | "                         | "                         | "          | 17° 59' 17"      |
| 150        | 25'    | 24.10'                    | 19.29'                    | 2° 57' 4"  | 20° 56' 59"      |
| 4167.30 PT | 17.30' | 16.67'                    | 13.35'                    | 2° 02' 59" | 23° 00' 00"      |

Deflection: 7.1080 Min. per foot arc.

CURVE DATA:  
PI Sta 3175.72 Lt. 3150.26' RH  
Δ = 46°  
R = 241.82' Lt. 181.82' PL  
D = 23° 40' 22" Lt. 31° 30' 40" RH  
T = 102.73' Lt. 77.27' PL  
L = 194.31' Lt. 146.14' PL

Note: Contractor to install pre-cast expansion joint as shown on plans.  
Contractor to install keyed joints in pavement & dowels in drives as per specifications.  
Contractor to install pre-cast expansion joint as shown on plans.



CURVE DATA:  
PI Sta 1140.38 Lt. 1165.48' RH  
Δ = 46°  
R = 179.68' Lt. 239.69' PL  
D = 31° 53' 13" Lt. 23° 54' 17" RH  
T = 76.28' Lt. 101.74' PL  
L = 144.26' Lt. 192.43' PL

CURVE DATA BASED ON LT. P, R=179.68' Δ = 46°

| Station    | Arc   | 8' @ Lt. Ch. Chord Length | 8' @ Rt. Ch. Chord Length | Deflection | Total Deflection |
|------------|-------|---------------------------|---------------------------|------------|------------------|
| 0+641 PC   | -     | -                         | -                         | 0° 00' 00" | 0° 00' 00"       |
| 175        | 10.9' | 11.18'                    | 14.00'                    | 1° 44' 16" | 1° 44' 16"       |
| 125        | 25'   | 25.64'                    | 32.12'                    | 3° 59' 09" | 5° 43' 25"       |
| 150        | "     | "                         | "                         | "          | 9° 42' 35"       |
| 175        | "     | "                         | "                         | "          | 13° 41' 44"      |
| 150        | "     | "                         | "                         | "          | 17° 40' 53"      |
| 2100       | 25'   | 25.64'                    | 32.12'                    | 3° 59' 09" | 21° 40' 02"      |
| 2108.36 PT | 8.36' | 8.25'                     | 10.75'                    | 1° 20' 58" | 23° 00' 00"      |

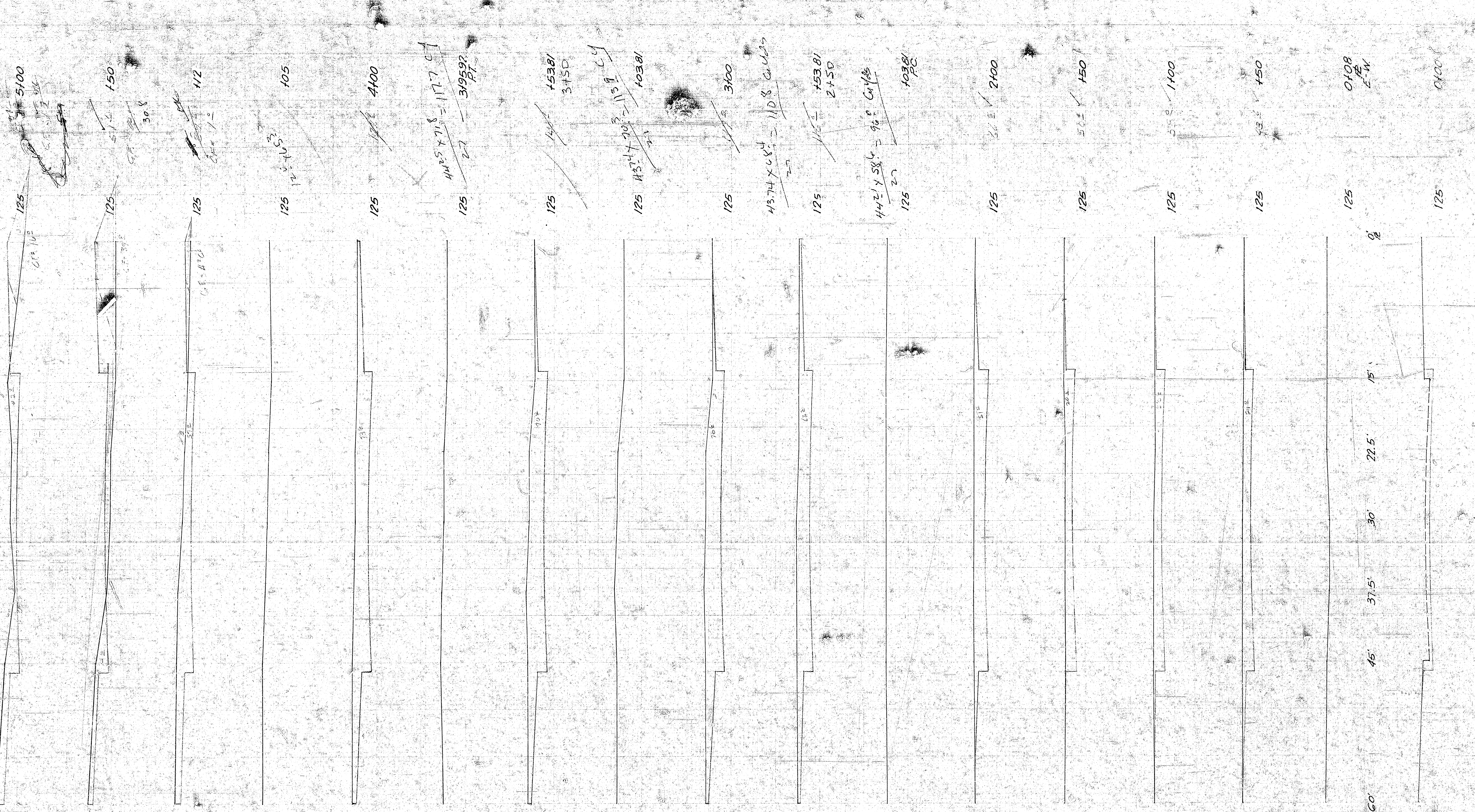
Deflection: 9.5663 Min. per foot arc.

CURVE DATA BASED ON LT. P, R=100' Δ = 90°

| Station    | Arc    | 8' @ Lt. Ch. Chord Length | 8' @ Rt. Ch. Chord Length | Deflection | Total Deflection |
|------------|--------|---------------------------|---------------------------|------------|------------------|
| 5159.30 PC | -      | -                         | -                         | 0° 00' 00" | 0° 00' 00"       |
| 175        | 15.70' | 13.91'                    | 6.06'                     | 4° 29' 52" | 4° 29' 52"       |
| 6100       | 25'    | 22.15'                    | 9.66'                     | 7° 09' 43" | 11° 39' 35"      |
| 125        | "      | "                         | "                         | "          | 18° 49' 18"      |
| 150        | "      | "                         | "                         | "          | 25° 59' 01"      |
| 175        | "      | "                         | "                         | "          | 33° 08' 44"      |
| 7100       | 25'    | 22.15'                    | 9.66'                     | 7° 09' 43" | 40° 18' 27"      |
| 7116.38 PT | 16.38' | 14.51'                    | 6.33'                     | 4° 41' 33" | 45° 00' 00"      |

Deflection: 17.18873 Min. per foot arc.

**GOW & JOANN STREET**  
as platted in Robson's Scenic Hwy  
30' Conc. & Curb  
B.E. Smith City Engineer  
City of Wichita, Kansas  
Date Proj. No. C17-9



1112319  
PC

125

11100  
5400

125

150

125

13219  
PT

125

10100  
5400

125

150

125

9400  
1400

125

18212  
PC

125

150

125

8400

125

150

125

7400

125

16526  
PC

125

150

125

6400

125

150

125

5400

125

