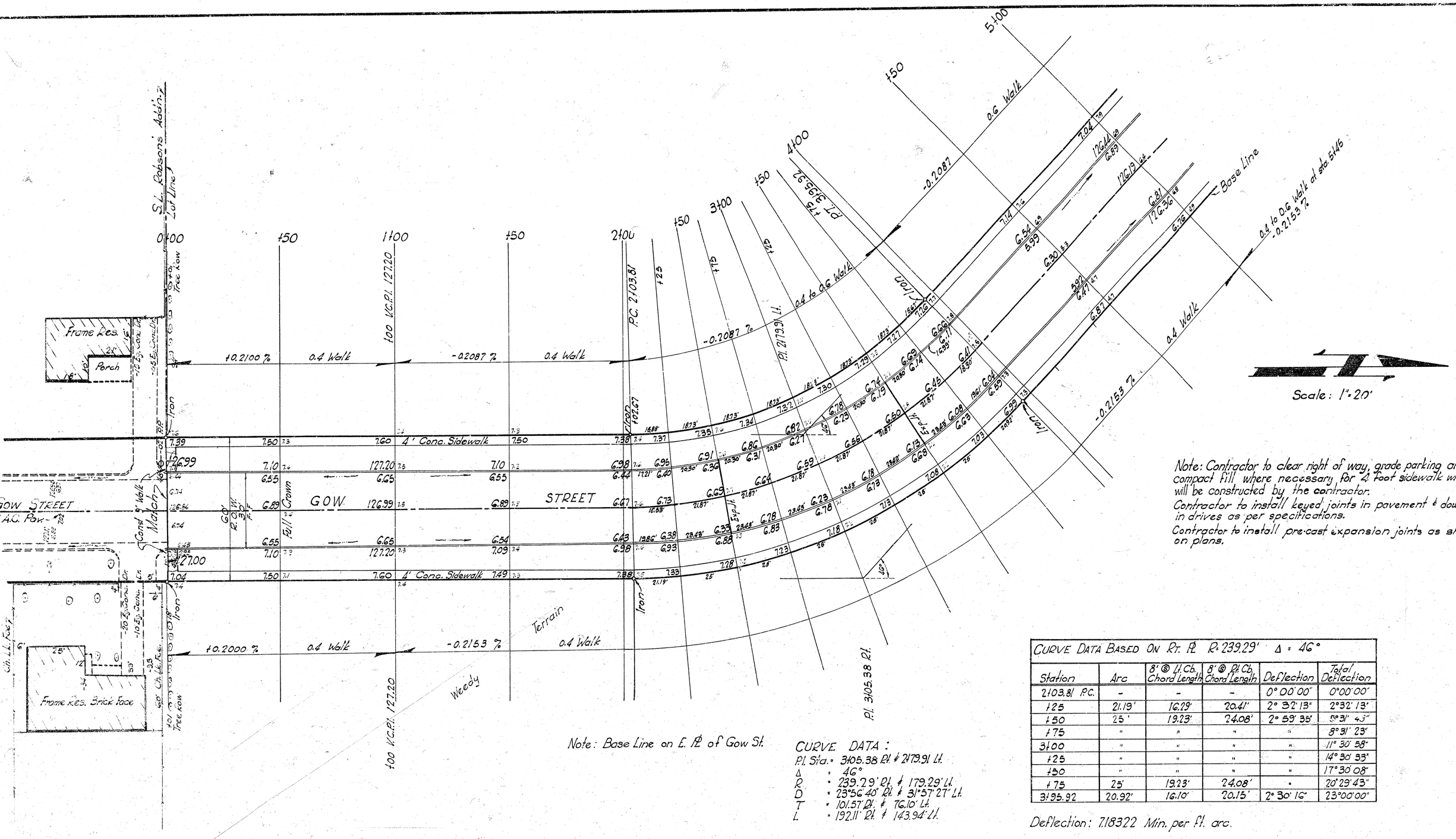


Note: Base Line on E. R/W of Gow St.

CURVE DATA:
P.I. Sta. = 3105.38 P.I. ∠ 2173.91 Lt.
Δ = 46°
R = 239.29' P.I. ∠ 179.29' Lt.
D = 23°56'40" P.I. ∠ 31°57'27" Lt.
T = 101.57' P.I. ∠ TC 10' Lt.
L = 192.11' P.I. ∠ 143.94' Lt.

CURVE DATA BASED ON RT. R/W R = 239.29' Δ = 46°

Station	Arc	8' @ 4% Ch. Chord Length	8' @ 8% Ch. Chord Length	Deflection	Total Deflection
2103.81 P.C.	-	-	-	0°00'00"	0°00'00"
+25	21.19'	16.19'	20.41'	2° 32' 13"	2°32' 13"
+50	25'	19.23'	24.08'	2° 59' 35"	5°31' 43"
+75	"	"	"	"	8°31' 23"
3100	"	"	"	"	11° 30' 58"
+25	"	"	"	"	14° 30' 33"
+50	"	"	"	"	17° 30' 08"
+75	25'	19.23'	24.08'	"	20° 29' 43"
3195.92	20.92'	16.10'	20.15'	2° 30' 16"	23°00'00"

Deflection: 7.18322 Min. per Ft. arc.

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		Compacted Fill	
	4054 Cu. Yds.		99 Cu. Yds.
+10%	405 Cu. Yds.	+10%	10 Cu. Yds.
Total	4459 Cu. Yds.	Total	109 Cu. Yds.

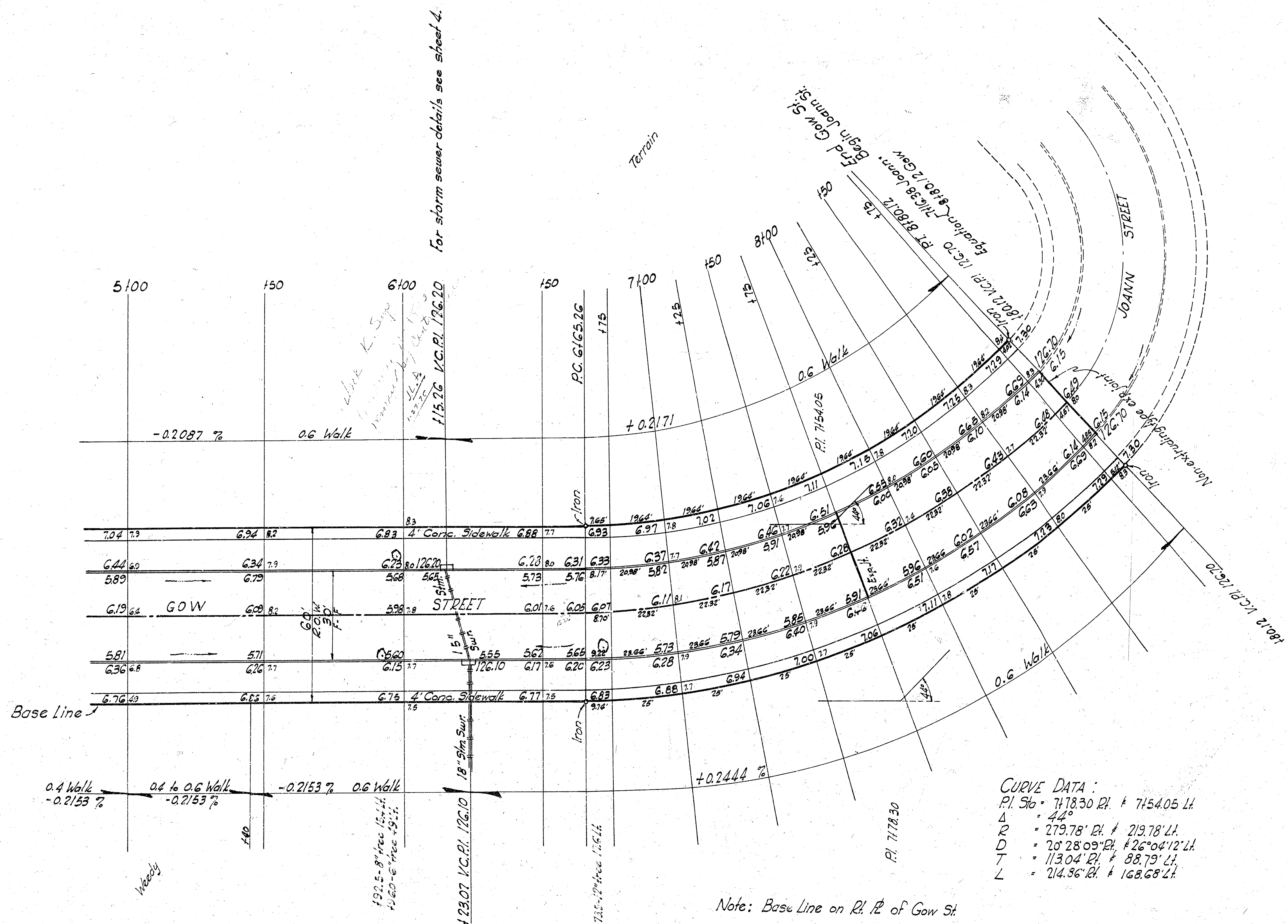
B.E. SMITH LICENSED 435 KANSAS PROFESSIONAL ENGINEER

1/6

GOW & JOANN STREETS
as platted in Robsons' Scenic Heights

30' Conc. & Curb

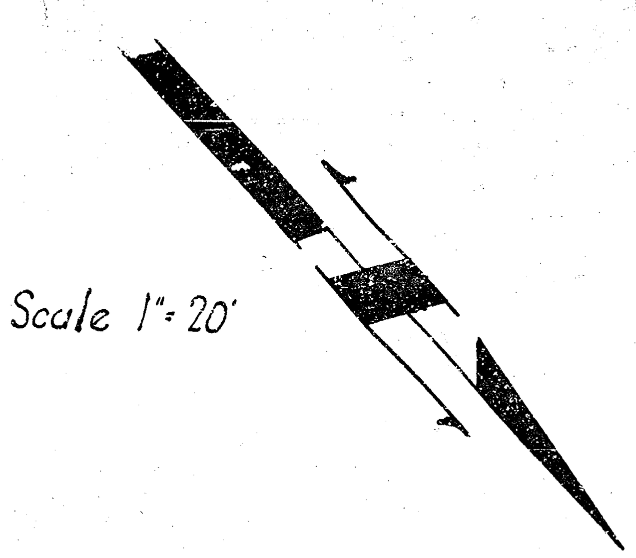
B.E. Smith, City Engineer
City of Wichita, Kansas
Date: Sept. 1968 Proj. No. C17-9



CURVE DATA :
P.I. Sta. = 7+78.30 Rt. & 7+54.05 Lt.
Δ = 44°
R = 279.78' Rt. & 219.78' Lt.
D = 20°28'09" Rt. & 26°04'12" Lt.
T = 113.04' Rt. & 88.79' Lt.
L = 214.86' Rt. & 168.68' Lt.

Note: Base Line on Rt. ℄ of Gow St.

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.



Scale 1" = 20'

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

CURVE DATA BASED ON RT. ℄ R = 279.78' Δ = 44°					
Station	Arc	8' Ⓢ Lt. Cb. Chord Length	8' Ⓢ Rt. Cb. Chord Length	Deflection	Total Deflection
6+65.26 P.T.	-	-	-	0° 00' 00"	0°00'00"
+75	9.74'	7.83'	9.46'	0° 59' 50"	0°59'50"
7+00	25'	20.10'	24.26'	2° 33' 35"	3°33'25"
+25	"	"	"	"	6° 07'00"
+50	"	"	"	"	7° 40' 35"
+75	"	"	"	"	11° 14' 10"
8+00	"	"	"	"	13° 47' 45"
+25	"	"	"	"	16° 21' 20"
+50	"	"	"	"	18° 54' 55"
+75	25'	20.10'	24.26'	2° 33' 35"	21° 28' 30"
8+80.12 P.T.	5.12'	5.08'	4.97'	0° 31' 30"	22° 00' 00"

Deflection: 6.14366 Min. per ft. arc.

2/6

GOW & JOANN STREETS
as platted in Robson's Scenic Heig[hts]
30' Conc. & Curb

B.E. Smith City Engineer
City of Wichita, Kansas

Date: Proj. No. C17-90

B.M. 1332.6 "M" in Muller S.E. cor. 19th & Westridge.
B.M. 1306.1 S.E. cor. conc. porch No. "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 = 241.82' Δ = 46°					
Station	Arc	8'@ Lt. Cb. Chord Length	8'@ Rt. Cb. Chord Length	Deflection	Total Deflection
2+72.99 P.C.	-	-	-	0° 00' 00"	0° 00' 00"
3+00	27.01'	26.03'	20.85'	3° 10' 47"	3° 10' 47"
+25	25'	24.10'	19.29'	2° 57' 4	6° 08' 29"
+50	"	"	"	"	9° 06' 12"
+75	"	"	"	"	12° 03' 53"
4+00	"	"	"	"	15° 01' 35"
+25	"	"	"	"	17° 59' 17"
+50	25'	24.10'	19.29'	2° 57' 41"	20° 56' 59"
4+67.30 P.T.	17.30'	16.67'	13.35'	2° 02' 59"	23° 00' 00"

Deflection: 7.1080 Min. per foot arc.

CURVE DATA:
P.I. Sta 3+75.72 Lt. & 3+50.26' Rt.
Δ = 46°
R = 241.82' Lt. & 181.82 Rt.
D = 23°40'22" Lt. & 31°30'40" Rt.
T = 102.73 Lt. & 77.27' Rt.
L = 194.31' Lt. & 146.14' Rt.

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.

Scale: 1" = 20'

Note: Base Line on Lt. ℄ Joann.

Note: Non-extruding type exp. joint

CURVE DATA BASED ON Lt. ℄, R = 179.68' Δ = 46°					
Station	Arc	8'@ Lt. Cb. Chord Length	8'@ Rt. Cb. Chord Length	Deflection	Total Deflection
0+64.1 P.C.	-	-	-	0° 00' 00"	0° 00' 00"
+75	10.9'	11.18'	14.00'	1° 44' 16"	1° 44' 16"
1+00	25'	25.64'	32.12'	3° 59' 09"	5° 43' 25"
+25	"	"	"	3° 59' 10"	9° 42' 35"
+50	"	"	"	3° 59' 09"	13° 41' 44"
+75	"	"	"	"	17° 40' 53"
2+00	25'	25.64'	32.12'	3° 59' 09"	21° 40' 02"
2+08.36 P.T.	8.36'	8.25'	10.75'	1° 20' 58"	23° 00' 00"

Deflection: 9.5663 Min. per foot arc.

CURVE DATA:
P.I. Sta 1+40.38 Lt. & 1+65.48 Rt.
Δ = 46°
R = 179.68' Lt. & 239.69' Rt.
D = 31° 53' 13" Lt. & 23° 54' 17" Rt.
T = 76.28' Lt. & 101.74' Rt.
L = 144.26' Lt. & 192.43' Rt.

CURVE DATA BASED ON Lt. ℄, R = 100' Δ = 90°					
Station	Arc	8'@ Lt. Cb. Chord Length	8'@ Rt. Cb. Chord Length	Deflection	Total Deflection
5+59.30 P.C.	-	-	-	0° 00' 00"	0° 00' 00"
+75	15.70'	13.91'	6.06'	4° 29' 52"	4° 59' 52"
6+00	25'	22.15'	9.66'	7° 09' 43"	11° 39' 35"
+25	"	"	"	"	18° 49' 18"
+50	"	"	"	"	25° 59' 01"
+75	"	"	"	"	33° 08' 44"
7+00	25'	22.15'	9.66'	7° 09' 43"	40° 18' 27"
7+16.38 P.T.	16.38'	14.51'	6.33'	4° 41' 33"	45° 00' 00"

Deflection: 17.18873 Min. per foot arc.

GOW & JOANN STREETS
as platted in Robsons Scenic Heights
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 No. "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.

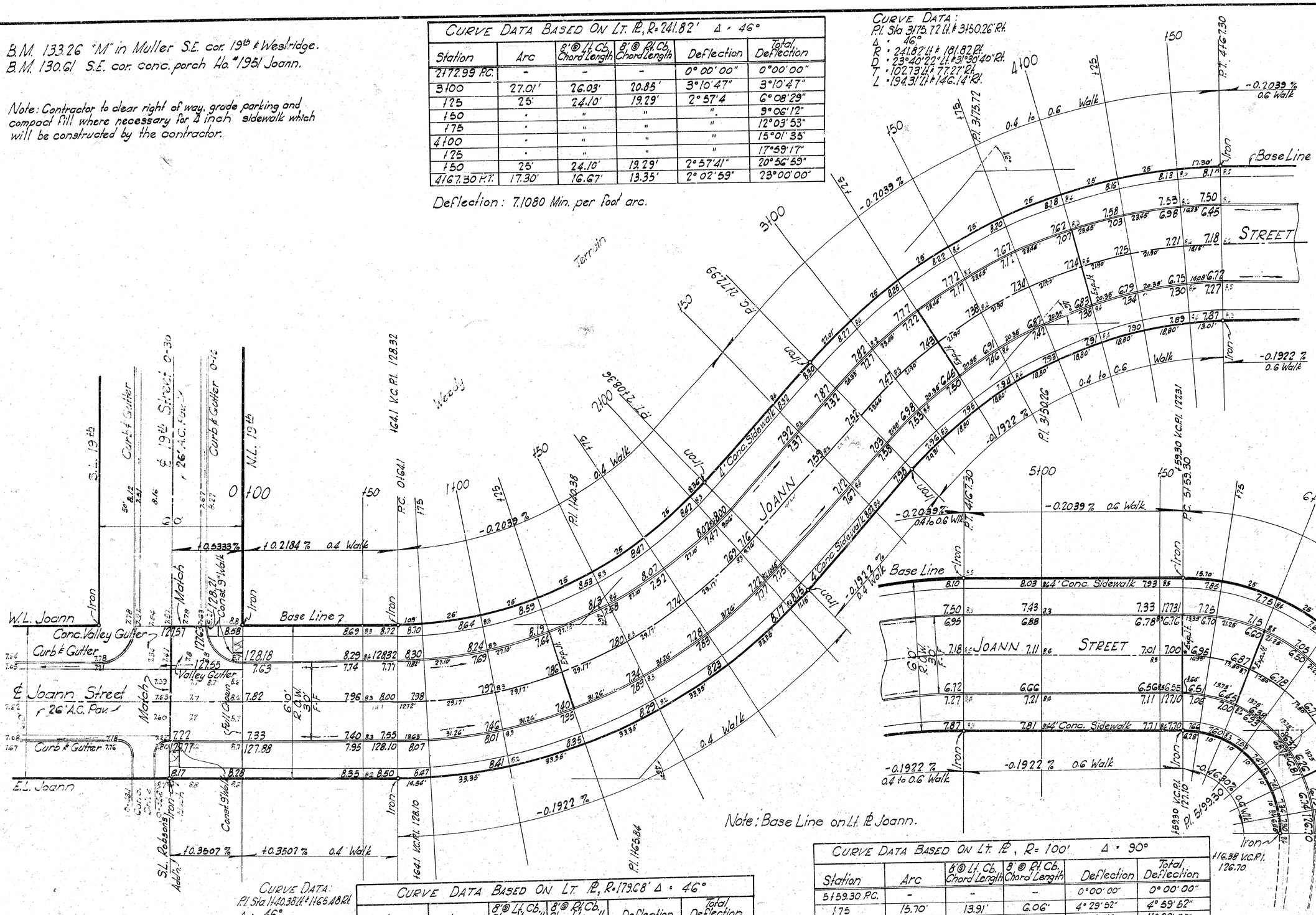
CURVE DATA BASED ON Lt. ℄, R=241.82' Δ = 46°					
Station	Arc	8'℄ Lt. Cb. Chord Length	8'℄ Rt. Cb. Chord Length	Deflection	Total Deflection
2172.99 P.C.	-	-	-	0° 00' 00"	0° 00' 00"
3100	27.01'	26.03'	20.85'	3° 10' 47"	3° 10' 47"
125	25'	24.10'	19.29'	2° 57' 4	6° 08' 29"
150	"	"	"	"	9° 06' 12"
175	"	"	"	"	12° 03' 53"
4100	"	"	"	"	15° 01' 35"
125	"	"	"	"	17° 59' 17"
150	25'	24.10'	19.29'	2° 57' 41"	20° 56' 59"
4167.30 P.T.	17.30'	16.67'	13.35'	2° 02' 59"	23° 00' 00"

Deflection: 7.1080 Min. per foot arc.

Curve Data:
P.I. Sta 3175.72 Lt. & 3150.26' Rt.
Δ = 46°
R = 241.82' Lt. & 181.82' Rt.
D = 23° 40' 22" Lt. & 31° 30' 40" Rt.
T = 102.73 Lt. & 77.27 Rt.
L = 194.31' Lt. & 146.14' Rt.

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.

Scale: 1" = 20'



CURVE DATA BASED ON Lt. ℄, R=179.68' Δ = 46°					
Station	Arc	8'℄ Lt. Cb. Chord Length	8'℄ Rt. Cb. Chord Length	Deflection	Total Deflection
0+64.1 P.C.	-	-	-	0° 00' 00"	0° 00' 00"
175	10.9'	11.18'	14.00'	1° 44' 16"	1° 44' 16"
1100	25'	25.64'	32.12'	3° 59' 09"	5° 43' 25"
125	"	"	"	3° 59' 10"	9° 42' 35"
150	"	"	"	3° 59' 09"	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= 100' Δ = 90°					
Station	Arc	8'℄ Lt. Cb. Chord Length	8'℄ Rt. Cb. 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	"	"	"	"	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 P.T.	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 Robsons Scenic Heights
30' Conc. & Curb


B.E. Smith, City Engineer
City of Wichita, Kansas

Date

Proj. No. C-17-9



5+00
+50
+12
+05
4+00
3+19.59 P.T.
+53.81
3+50
+03.81
3+00
+53.81
2+50
+03.81 P.C.
2+00
+50
1+00
+50
0+08 E-W
0+00
125
15'
22.5'
30'
37.5'
45'
60'



11+29.19 P.C.
11+00
+50
137.19 P.T.
10+00
+50
9+00
+80.12 P.C.
+50
8+00
+50
7+00
+65.26 P.C.
+50
6+00
+50
125

130 | 14400 = 2400 | 812 | CF = 1°

130 | 16+26.49 ℄ 19.45K

130 | 16+11.29 Cb Line ℄ W

130 | 15+96.49 ℄ ℄W | 952 | CP = 1.2

130 | 15+39.19 ℄ 19.45K

130 | 15+00 = 1400 | 752 | CF = 5.6

130 | 14+60 | 842 | CF = 3.1

130 | 13+23.9 P.T. | 2.63 | 2.63 | Back Ahead | Pipe Bore 52.5

130 | 13+00 = 3400 | 2442 | CF = 2.8

130 | 12+60 | 1452 | CF = 4.6

130 | 12+00 | 1252 | CF = 5.6

130 | 11+79.19 | 1252 | CF = 5.6

130 | 11+29.19 | 1252 | CF = 5.6

130 | 10+79.19 | 1252 | CF = 5.6

130 | 10+29.19 | 1252 | CF = 5.6

130 | 9+79.19 | 1252 | CF = 5.6

130 | 9+29.19 | 1252 | CF = 5.6

130 | 8+88.13 P.C. | 1252 | CF = 5.6

130 | 8+50 | 972 | CF = 5.6

130 | 8+23.50 P.T. | 1252 | CF = 5.6

130 | 7+79.19 | 1252 | CF = 5.6

130 | 7+29.19 | 1252 | CF = 5.6

130 | 6+79.19 | 1252 | CF = 5.6

130 | 6+29.19 | 1252 | CF = 5.6

130 | 5+79.19 | 1252 | CF = 5.6

130 | 5+29.19 | 1252 | CF = 5.6

130 | 4+88.13 P.C. | 1252 | CF = 5.6

130 | 4+50 | 972 | CF = 5.6

130 | 4+23.50 P.T. | 1252 | CF = 5.6

130 | 3+79.19 | 1252 | CF = 5.6

130 | 3+29.19 | 1252 | CF = 5.6

130 | 2+79.19 | 1252 | CF = 5.6

130 | 2+29.19 | 1252 | CF = 5.6

130 | 1+88.13 P.C. | 1252 | CF = 5.6

130 | 1+50 | 972 | CF = 5.6

130 | 1+23.50 P.T. | 1252 | CF = 5.6

130 | 0+79.19 | 1252 | CF = 5.6

130 | 0+29.19 | 1252 | CF = 5.6

130 | 0+00 | 1252 | CF = 5.6