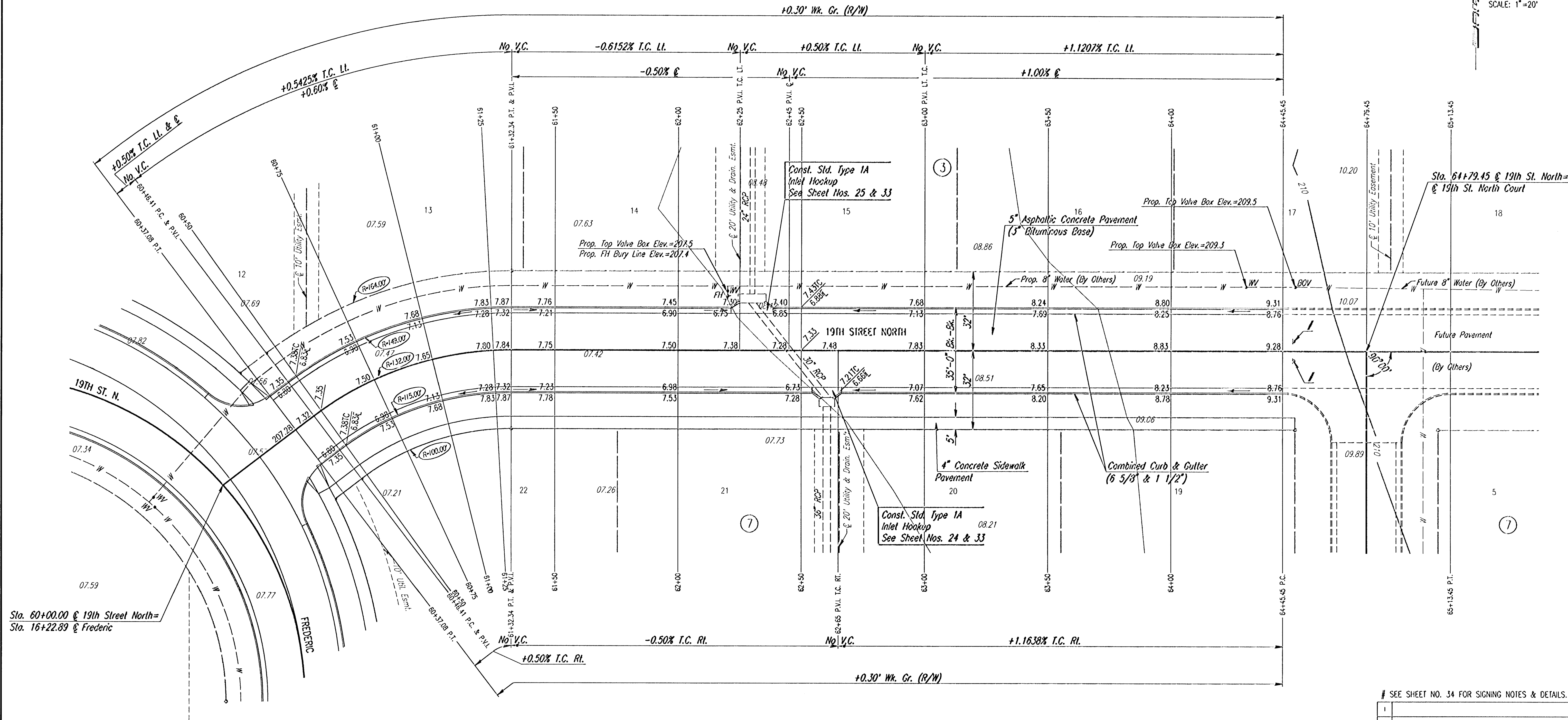


DSNR: BER OPER: BJS SCALE: 1"=20'  
1/2001/01156/SIR60-64.DGN Plot Date: 10-23-2001

| WATER VALVE BOX ELEVATIONS |         |           |                    |
|----------------------------|---------|-----------|--------------------|
| STREET                     | STATION | OFFSET    | PROPOSED ELEVATION |
| 19TH STREET NORTH          | 62+20   | 24.0' LT. | 207.5              |
| 19TH STREET NORTH          | 64+01   | 26.0' LT. | 209.3              |
| 19TH STREET NORTH          | 64+51   | 26.0' LT. | 209.5              |

| PROJECT NO.                  | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 472-76-245-83375-000-000-001 | 13        | 58           |

SCALE: 1"=20'



Sta. 60+00.00 @ 19th Street North=  
Sta. 16+22.89 @ Frederic

| CURVE DATA                     |            |                       |            |                     |                      |                    |                     |            |            |
|--------------------------------|------------|-----------------------|------------|---------------------|----------------------|--------------------|---------------------|------------|------------|
| $\Delta=3^{\circ}18'10''$      |            | $D=43^{\circ}24'21''$ |            | $R=132.00'$         |                      | $L=85.93'$         |                     | $T=44.55'$ |            |
| $E=7.32'$                      |            |                       |            |                     |                      |                    |                     |            |            |
| CURVE DATA BASED ON $\Delta/2$ |            |                       |            |                     |                      |                    |                     |            |            |
| $\Delta/2=1^{\circ}59'05''$    |            |                       |            |                     |                      |                    |                     |            |            |
| STATION                        | ARC LENGTH | FACE CURB LENGTH      |            | CHORD LENGTH        |                      | DEFLECTION ANGLE   | TOTAL DEFLECTION    | STATION    | ARC LENGTH |
|                                |            | LEFT CURB             | RIGHT CURB | BOFF LEFT FACE CURB | BOFF RIGHT FACE CURB |                    |                     |            |            |
| 60+46.41                       |            |                       |            |                     |                      | $0^{\circ}00'00''$ | $0^{\circ}00'00''$  | 60+46.41   |            |
| 60+50                          | 3.59'      | 4.05'                 | 3.13'      | 4.27'               | 2.91'                | $0^{\circ}45'45''$ | $0^{\circ}45'45''$  | 60+50      |            |
| 60+75                          | 25.00'     | 28.22'                | 21.78'     | 29.69'              | 20.23'               | $5^{\circ}25'33''$ | $6^{\circ}12'18''$  | 60+75      |            |
| 61+00                          | 25.00'     | 28.22'                | 21.78'     | 29.69'              | 20.23'               | $5^{\circ}25'33''$ | $11^{\circ}37'50''$ | 61+00      |            |
| 61+25                          | 25.00'     | 28.22'                | 21.78'     | 29.69'              | 20.23'               | $5^{\circ}25'33''$ | $17^{\circ}03'23''$ | 61+25      |            |
| 61+32.34                       | 7.35'      | 8.30'                 | 6.40'      | 8.74'               | 5.96'                | $1^{\circ}35'42''$ | $18^{\circ}39'05''$ | 61+32.34   |            |
| TOTAL                          | 85.94'     | 97.01'                | 74.87'     |                     |                      |                    |                     |            |            |

Defl./ft.=13.023198 min.

# SEE SHEET NO. 34 FOR SIGNING NOTES & DETAILS.

| Revisions                                                                                                              |     | By         | Date      |
|------------------------------------------------------------------------------------------------------------------------|-----|------------|-----------|
| No.                                                                                                                    |     |            |           |
| REMINGTON PLACE-PHASE I<br>CITY OF WICHITA, KANSAS                                                                     |     |            |           |
| 19TH STREET NORTH<br>STA. 60+00.00 TO STA. 64+45.45                                                                    |     |            |           |
| Professional Engineering Consultants, P.A.<br>300 S. TOPEKA • WICHITA, KANSAS 67202<br>316-262-2691 • FAX 316-262-3003 |     |            |           |
| Designed by                                                                                                            | BER | Checked by |           |
| Drawn by                                                                                                               | BJS | Date       | JUNE 2001 |
|                                                                                                                        |     | Job No.    | 01158     |