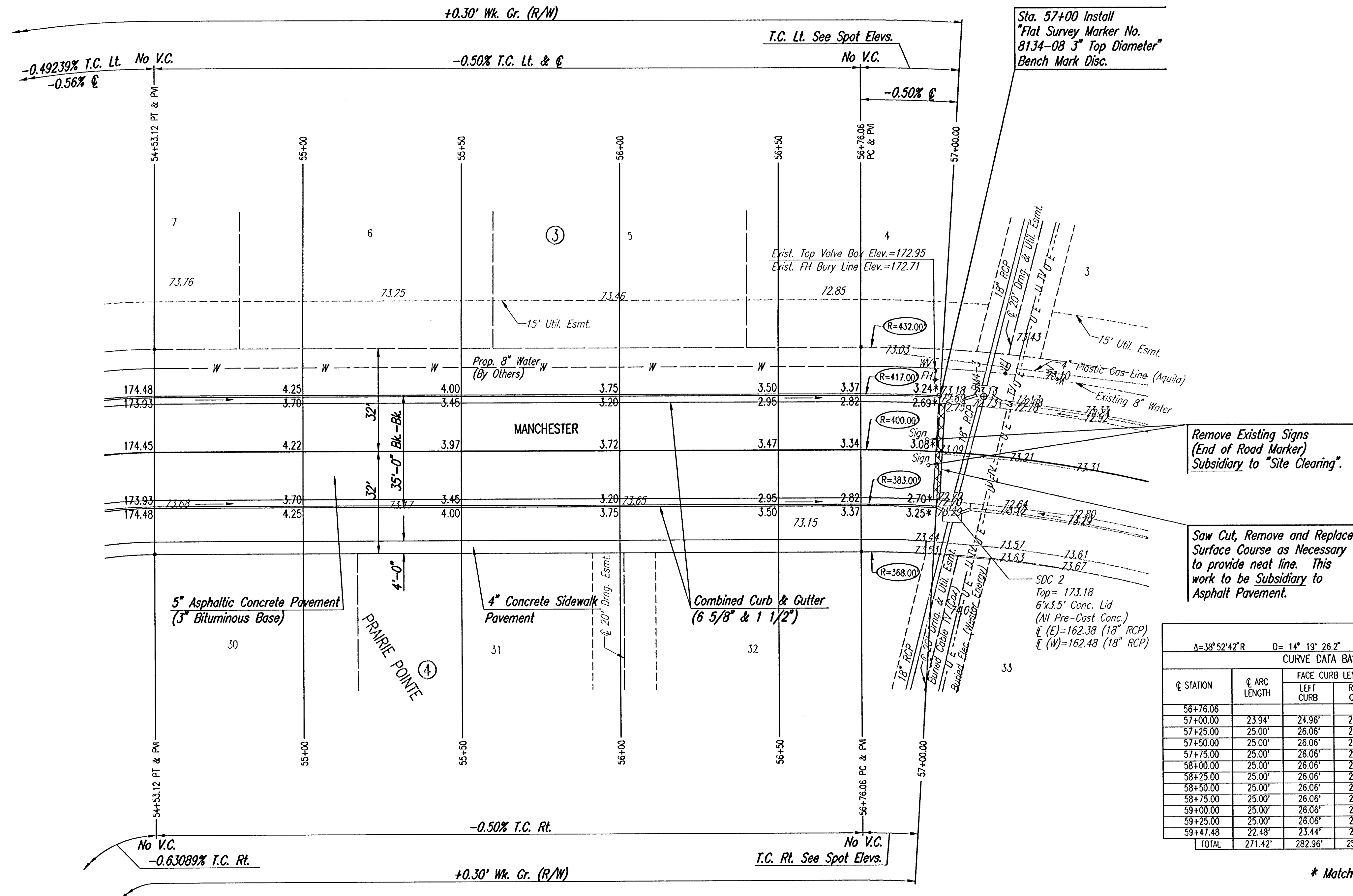


DSR: BLB OPER: BJS SCALE: 1"=20.00  
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| WATER VALVE BOX ELEVATIONS |          |            |                    |
|----------------------------|----------|------------|--------------------|
| STREET                     | STATION  | OFFSET     | EXISTING ELEVATION |
| MANCHESTER                 | 56+98.20 | 26.0'± LT. | 172.95             |
|                            |          |            |                    |
|                            |          |            |                    |

| Q CURVE DATA                                  |              |                  |            |                       |                        |                         |                    |           |
|-----------------------------------------------|--------------|------------------|------------|-----------------------|------------------------|-------------------------|--------------------|-----------|
| Δ=38°52'42"R                                  |              | D= 14° 19' 26.2" |            | R= 400.00'            |                        | Δ/2= 7.21°              | T= 141.17'         | E= 24.18' |
| CURVE DATA BASED ON Q radius Δ/2= 19° 26' 21" |              |                  |            |                       |                        |                         |                    |           |
| Q STATION                                     | Q ARC LENGTH | FACE CURB LENGTH |            | CHORD LENGTH          |                        | DEFLECTION ANGLE        | Q TOTAL DEFLECTION |           |
|                                               |              | LEFT CURB        | RIGHT CURB | 8' OFF LEFT FACE CURB | 8' OFF RIGHT FACE CURB |                         |                    |           |
| 56+76.06                                      |              |                  |            |                       |                        | 0°00'00.0"              | 0°00'00.0"         |           |
| 57+00.00                                      | 23.94'       | 24.96'           | 22.92'     | 25.43'                | 22.44'                 | 01°42'52.5"             | 01°42'52.5"        |           |
| 57+25.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 03°30'18.3"        |           |
| 57+50.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 05°17'44.0"        |           |
| 57+75.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 07°05'09.8"        |           |
| 58+00.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 08°52'35.6"        |           |
| 58+25.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 10°40'01.4"        |           |
| 58+50.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 12°27'27.2"        |           |
| 58+75.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 14°14'52.9"        |           |
| 59+00.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 16°02'18.7"        |           |
| 59+25.00                                      | 25.00'       | 26.06'           | 23.94'     | 26.56'                | 23.43'                 | 01°47'25.8"             | 17°49'44.5"        |           |
| 59+47.48                                      | 22.48'       | 23.44'           | 21.53'     | 23.88'                | 21.07'                 | 08°36'06.0"             | 19°26'21.1"        |           |
| TOTAL                                         | 271.42'      | 282.96'          | 259.89'    |                       |                        | Def./ft.= 4.297184 min. |                    |           |

\* Match Existing

|                                                                                                                        |                                                                              |          |              |                |      |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------|--------------|----------------|------|
|                                                                                                                        | No.                                                                          | Revision |              | By             | Date |
|                                                                                                                        | PRAIRIE POINTE-PHASE 2                                                       |          |              |                |      |
|                                                                                                                        | MANCHESTER                                                                   |          |              |                |      |
|                                                                                                                        | STA. 54+53.12 TO STA. 57+00.00                                               |          |              |                |      |
|                                                                                                                        | JAMES L. ARMOUR, P.E.-CITY ENGINEER<br>CITY OF WICHITA PROJECT NO. 472-84042 |          |              |                |      |
| Professional Engineering Consultants, P.A.<br>303 S. TOPEKA • WICHITA, KANSAS 67202<br>316-262-2091 • FAX 316-262-3003 |                                                                              |          |              |                |      |
| Designed by                                                                                                            | BDB, BLB                                                                     | Job No.  | 35-05300-000 | Sheet 11 of 38 |      |
| Drawn by                                                                                                               | BJS                                                                          | Date     | May 2005     |                |      |