

| WATER VALVE BOX ELEVATIONS |          |          |                    |
|----------------------------|----------|----------|--------------------|
| STREET                     | STATION  | OFFSET   | PROPOSED ELEVATION |
| TIPPERARY                  | 13+05.10 | 23.0' RL | 1361.9             |
| TIPPERARY                  | 13+07.55 | 25.5' RL | 1362.0             |

|             |           |              |
|-------------|-----------|--------------|
| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| 472-83468   | 6         | 55           |

SCALE: 1"=20'

BALTHROP 4TH ADDITION

**TIPPERARY**  
STA. 10+00.00 TO STA. 14+30.46



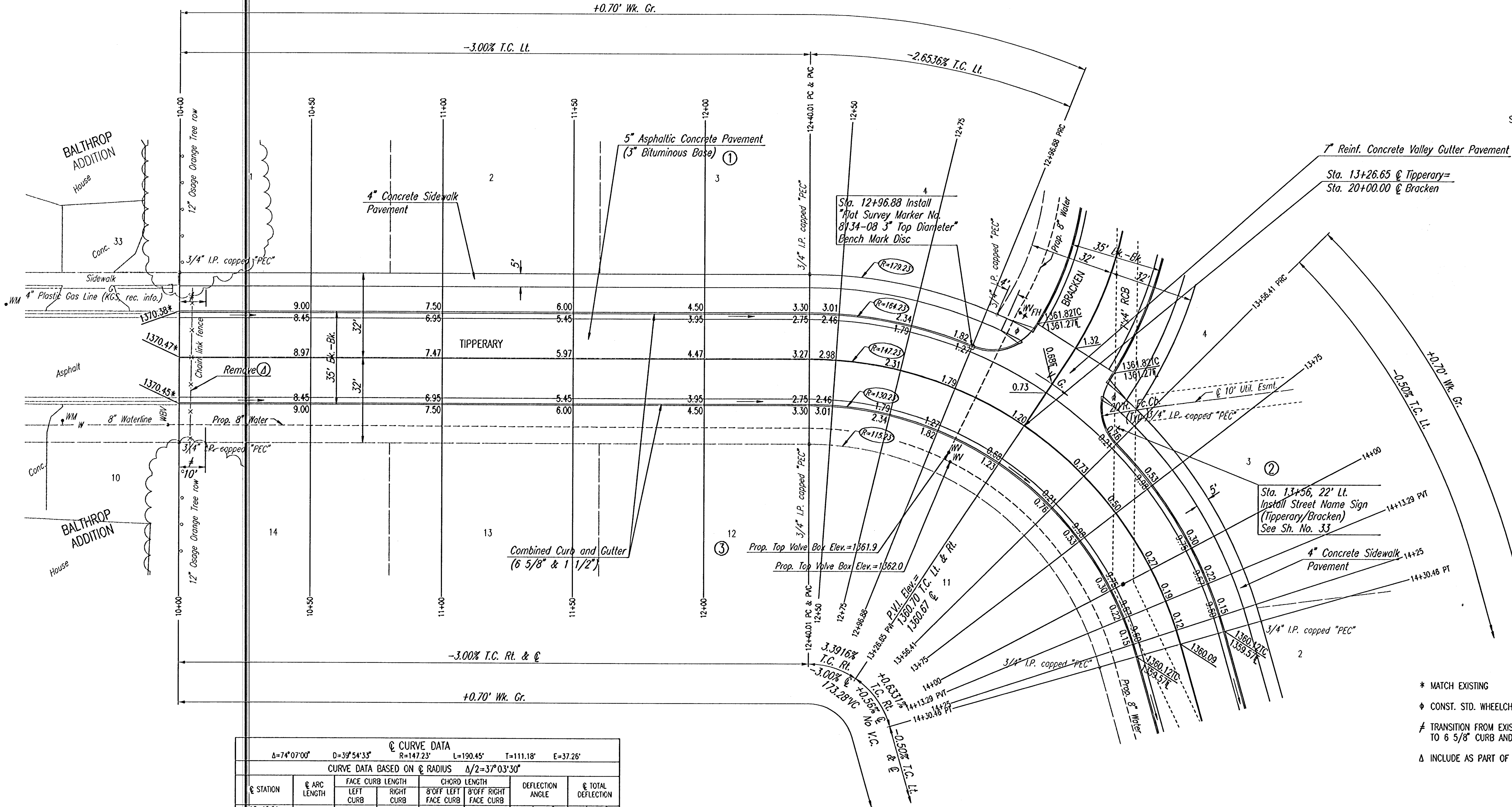
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|             |     |            |           |
|-------------|-----|------------|-----------|
| Designed by | BER | Checked by |           |
| Drawn by    | DEP | Date       | FEB. 2002 |
|             |     | Job No.    | 01545     |

| Q CURVE DATA                                             |              |                      |            |                         |                        |                  |                    |
|----------------------------------------------------------|--------------|----------------------|------------|-------------------------|------------------------|------------------|--------------------|
| $\Delta=74^{\circ}07'00"$                                |              | $D=39^{\circ}54'33"$ |            | $R=147.23'$             |                        | $L=190.45'$      |                    |
|                                                          |              |                      |            | $T=111.18'$             |                        | $E=37.26'$       |                    |
| CURVE DATA BASED ON Q RADIUS $\Delta/2=37^{\circ}03'30"$ |              |                      |            |                         |                        |                  |                    |
| 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 |                  |                    |
| 12+40.01                                                 | —            | —                    | —          | —                       | —                      | 0°00'00"         | 0°00'00"           |
| 12+50                                                    | 9.99'        | 10.94'               | 9.04'      | 11.48'                  | 8.50'                  | 1°56'38"         | 1°56'37"           |
| 12+75                                                    | 25.00'       | 27.38'               | 22.62'     | 28.70'                  | 21.24'                 | 4°51'52"         | 6°48'29"           |
| 12+96.88                                                 | 21.88'       | 23.96'               | 19.80'     | 25.13'                  | 18.59'                 | 4°15'27"         | 11°03'56"          |
| 13+26.65                                                 | 29.77'       | 32.60'               | 26.94'     | 34.16'                  | 25.28'                 | 5°47'33"         | 16°51'30"          |
| 13+56.41                                                 | 29.76'       | 32.59'               | 26.93'     | 34.15'                  | 25.27'                 | 5°47'26"         | 22°38'56"          |
| 13+75                                                    | 18.59'       | 20.36'               | 16.82'     | 21.35'                  | 15.80'                 | 3°37'02"         | 26°15'58"          |
| 14+00                                                    | 25.00'       | 27.38'               | 22.62'     | 28.70'                  | 21.24'                 | 4°51'52"         | 31°07'50"          |
| 14+25                                                    | 25.00'       | 27.38'               | 22.62'     | 28.70'                  | 21.24'                 | 4°51'52"         | 35°59'42"          |
| 14+30.46                                                 | 5.46'        | 5.98'                | 4.94'      | 6.28'                   | 4.65'                  | 1°03'48"         | 37°03'30"          |
| TOTAL                                                    | 190.45'      | 208.56'              | 172.34'    | Del./TTL=11.674980 min. |                        |                  |                    |

Defl./ft.=11.674980 min.

DSNR: DEP OPER: S&D SCALE: 1"=20.00  
Q:\2001\01545\000\TIPPERARY-14.DWG 03-13-2002 04:06:33 pm



- \* MATCH EXISTING
- ◆ CONST. STD. WHEELCHAIR RAMP
- ≠ TRANSITION FROM EXISTING CURB AND GUTTER TO 6 5/8" CURB AND GUTTER
- △ INCLUDE AS PART OF "SITE CLEARING"