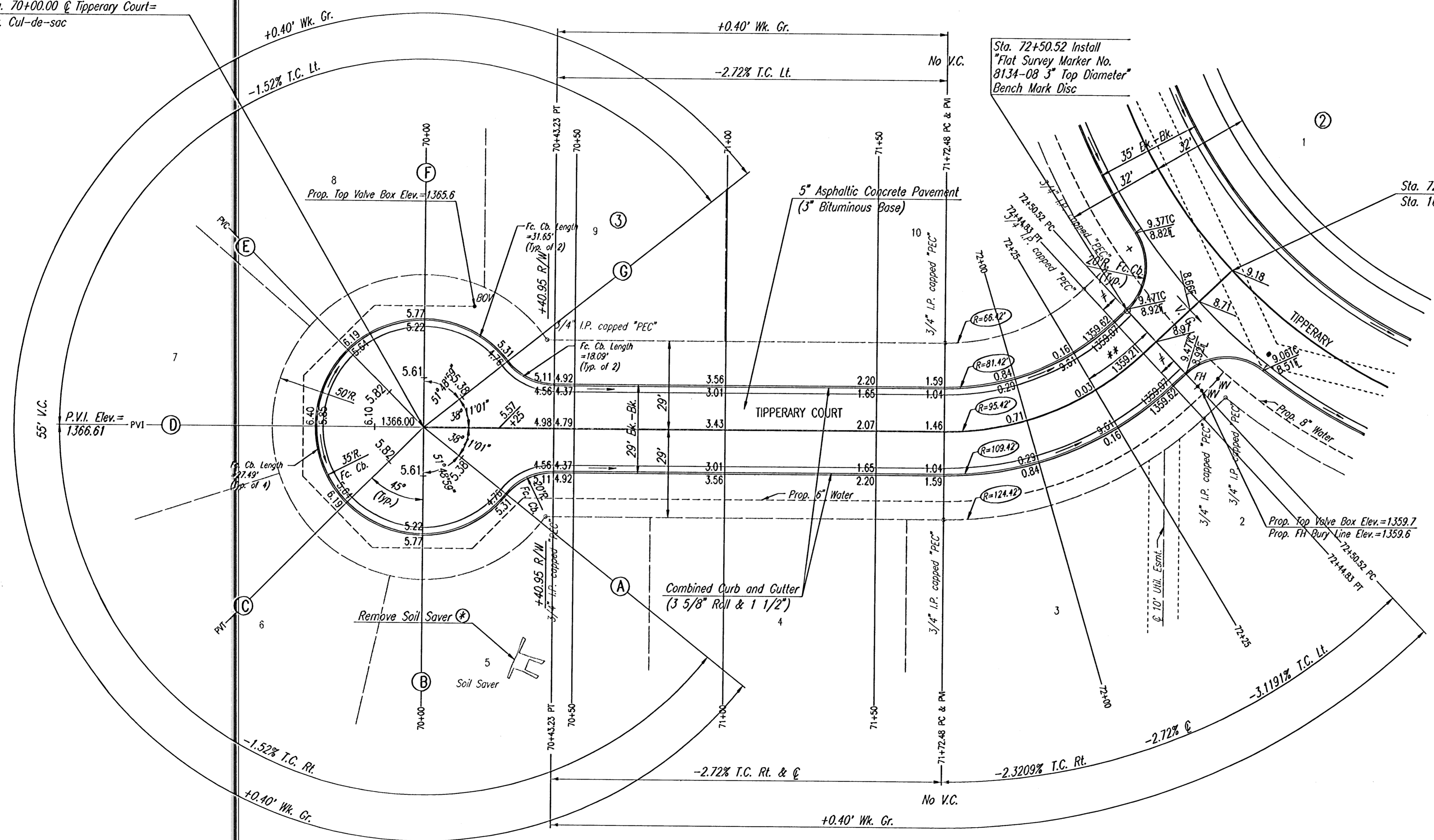


|           |           |              |
|-----------|-----------|--------------|
| NO.       | SHEET NO. | TOTAL SHEETS |
| 472-83468 | 10        | 55           |

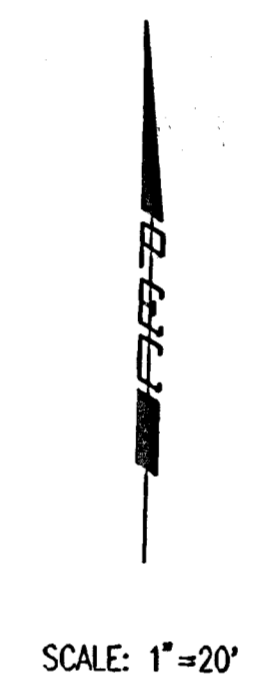
| WATER VALVE BOX ELEVATIONS |          |           |                    |
|----------------------------|----------|-----------|--------------------|
| STREET                     | STATION  | OFFSET    | PROPOSED ELEVATION |
| TIPPERARY COURT            | 70+16.50 | 39.5' LT. | 1355.6             |
| TIPPERARY COURT            | 72+50.52 | 22.0' RT. | 1359.7             |

Sta. 70+00.00 @ Tipperary Court=  
Clr. Cul-de-sac



Sta. 72+50.52 Install  
"Flat Survey Marker No.  
8134-08 3" Top Diameter"  
Bench Mark Disc

Sta. 72+84.81 @ Tipperary Court=  
Sta. 16+03.32 @ Tipperary



NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

| @ CURVE DATA  |              |                       |            |                         |                        |                    |
|---|--------------|-----------------------|------------|-------------------------|------------------------|--------------------|
| $\Delta=43^{\circ}26'22''$                                |              | $D=60^{\circ}02'36''$ |            | $R=95.42'$              | $L=72.35'$             | $T=38.01'$         |
| CURVE DATA BASED ON @ RADIUS $\Delta/2=21^{\circ}43'11''$ |              |                       |            |                         |                        |                    |
| @ STATION   | @ ARC LENGTH | FACE CURB LENGTH      |            | CHORD LENGTH            |                        | DEFLECTION ANGLE   |
|   |              | LEFT CURB             | RIGHT CURB | 8' OFF LEFT FACE CURB   | 8' OFF RIGHT FACE CURB | @ TOTAL DEFLECTION |
| 71+72.48  | —            | —                     | —          | —                       | —                      | 0°00'00"           |
| 71+75   | 2.52'        | 2.20'                 | 2.89'      | 1.94'                   | 3.10'                  | 0°45'24"           |
| 72+00   | 25.00'       | 21.80'                | 28.67'     | 19.18'                  | 30.68'                 | 7°30'21"           |
| 72+25   | 25.00'       | 21.80'                | 28.67'     | 19.18'                  | 30.68'                 | 8°15'45"           |
| 72+44.83  | 19.83'       | 17.29'                | 22.73'     | 15.23'                  | 24.35'                 | 5°57'05"           |
| TOTAL   | 72.35'       | 63.09'                | 82.96'     | Def./ft.=18.012209 min. |                        | 21°43'11"          |

# 5' TRANSITION FROM COMBINED CURB AND GUTTER (3 5/8" ROLL & 1 1/2") TO COMBINED CURB AND GUTTER (6 5/8" & 1 1/2"). TO BE BID AND AID FOR AS "COMBINED CURB AND GUTTER (3 5/8" ROLL & 1 1/2)".

\*\* TRANSITION FROM 3/8" FT. X-SLOPE LT. AND RT. TO NO CROWN LT. AND RT.

BALTHROP 4TH ADDITION

### TIPPERARY COURT

STA. 70+00.00 TO STA. 72+84.81

**Professional Engineering Consultants, P.A.**  
303 S. TOPEKA • WICHITA, KANSAS 67202  
316-262-2691 • FAX 316-262-3003

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

DSNR: DEP OPER: SAD SCALE: 1"=20.00  
 Q:\2001\01545\000\TIPPERARY.DWG 03-13-2002 04:04:40 pm