

R. W. BRUGGEMAN - DIRECTOR OF ENGINEERING/CITY ENGINEER

WILLO-ESQUE COURT FROM THE WESTERLY  
LINE OF WILLO-ESQUE DRIVE TO AND IN-  
CLUDING CUL-DE-SAC; SHERIAC CIRCLE  
FROM THE WL OF WILLO-ESQUE DRIVE  
TO AND INCLUDING CUL-DE-SAC; SHERIAC  
COURT FROM THE SOUTHERLY LINE OF  
SHERIAC CIRCLE TO AND INCLUDING  
CUL-DE-SAC

*B.M.-C.O.W. Disc., 52' S. & 32' W. of E's Wood-  
chuck & Maple. Elev. = 141.10*

BM- 3/4" IP, NE Cor Lot 5. Elev. = 140.24

BM-Chiseled  $\square$  on B/C; W. Side of Willo-  
Esque Drive; 67<sup>5</sup>' W. of Tarabury Lane.  
Elev. = 141.30

BM-Chiseled  $\square$  on B/C; W. Side of Willo-  
Esque Drive; 96' S. of  $\&$  Sheriac Circle.  
Elev. = 136.14

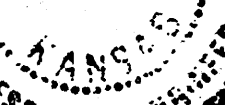


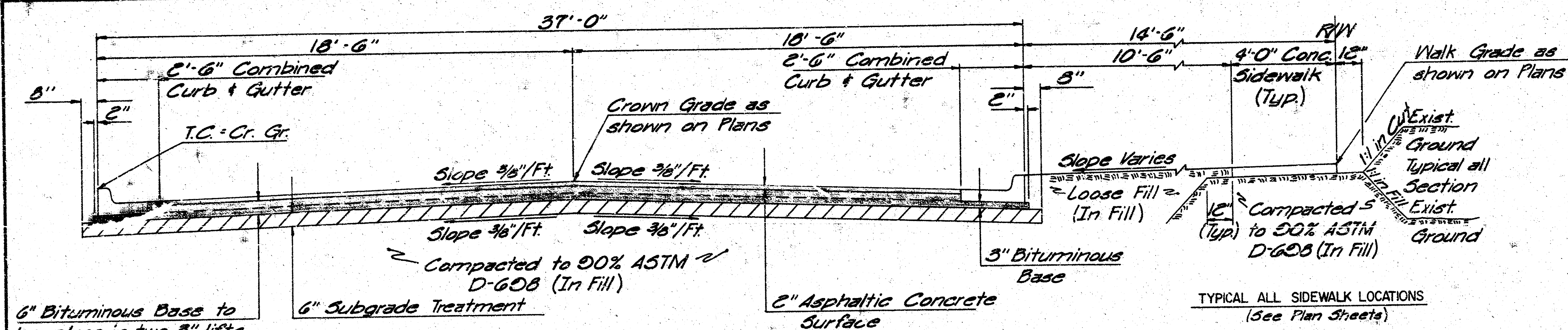
Top of Curb elevations are given for Standard Curb & Gutter. Since the curb and gutter to be const. on this project is to be Roll Type, subtract 0.25 feet from the top of curb elevations shown. The walk grades on the plans are with respect to full curb elevations and these are the elevations the walk and property lines are to be graded to.

|      |                       |
|------|-----------------------|
| 1.   | TITLE SHEET           |
| 2.   | TYPICAL SECTION       |
| 3.   | VALLEY GUTTER DETAILS |
| 4-5. | PLAN SHEETS           |
| 6-8. | CROSS SECTIONS        |

NOTE: All excess excavated material from street construction shall be wasted on lots 18, 19, 20, and 21 block 1.

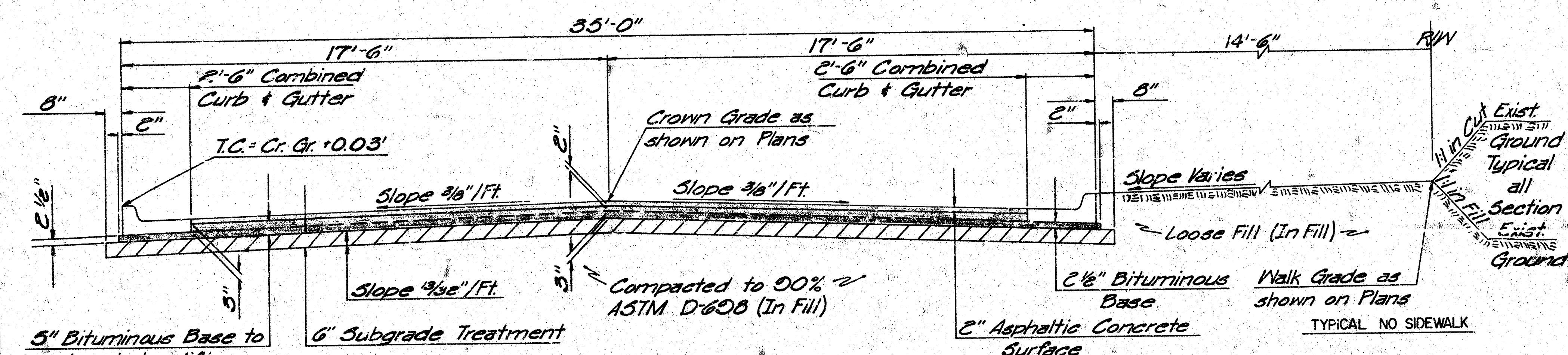
JULY , 1981

|                                                                                                                                                                                |                                                                                                                                                                                                                 |                        |    |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|------------------------|
| <br> | No.                                                                                                                                                                                                             | Revision               | By | Date                   |
|                                                                                                                                                                                | CITY OF WICHITA, KANSAS<br><br><b>TITLE SHEET</b><br>STREET IMPROVEMENTS<br><br>PROJ. NO. 472-76-245-81106-000-000-001<br><b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b><br><br>ENGINEERS<br>WICHITA, KANSAS |                        |    |                        |
|                                                                                                                                                                                | Designed by <i>BR</i>                                                                                                                                                                                           | Job No. <i>81109</i>   |    | Sht. 1 / 3<br><i>8</i> |
|                                                                                                                                                                                | Drawn by <i>BS</i>                                                                                                                                                                                              | Date: <i>July 1981</i> |    |                        |



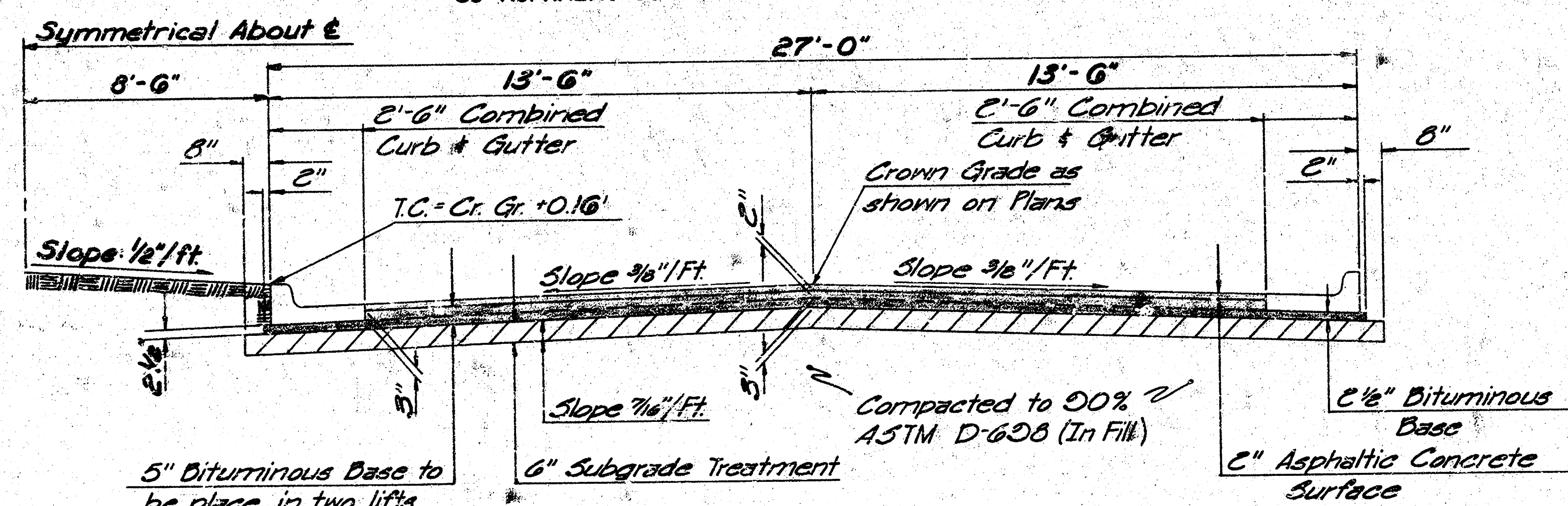
**TYPICAL SECTION**

37' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



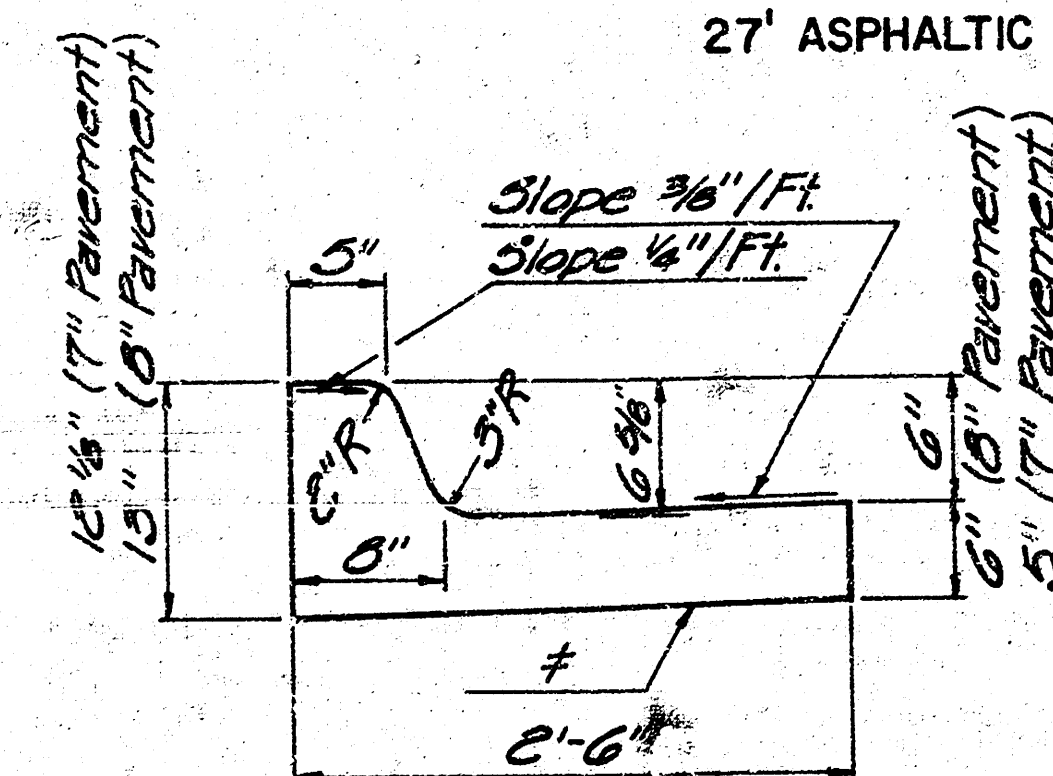
**TYPICAL SECTION**

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



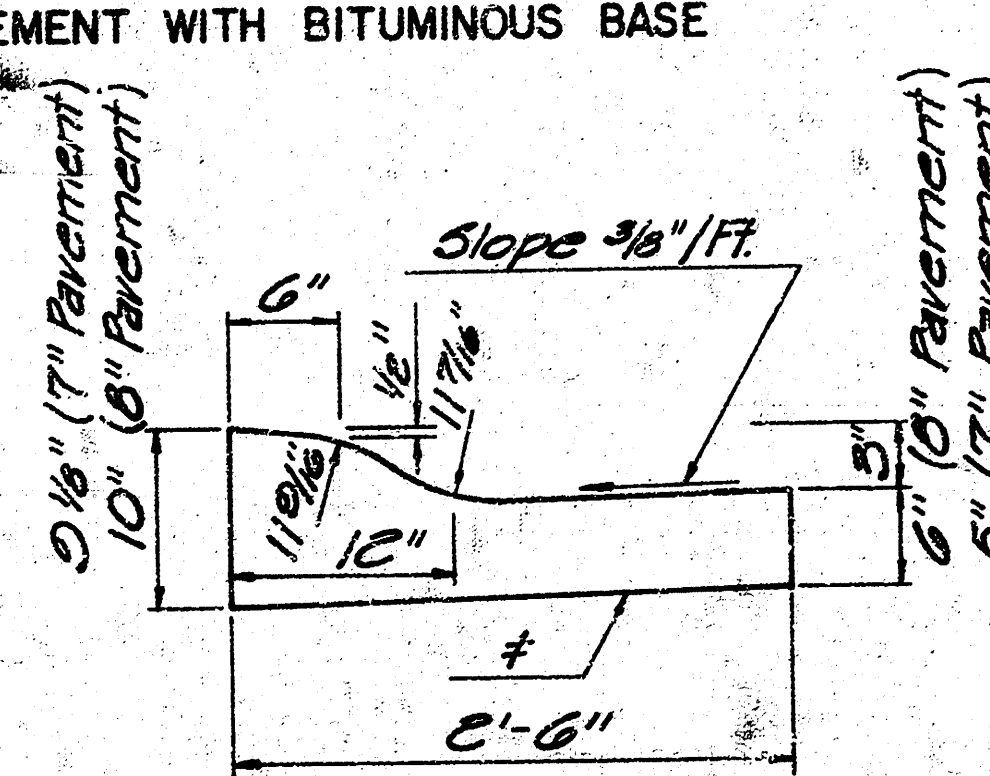
**TYPICAL SECTION**

27' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



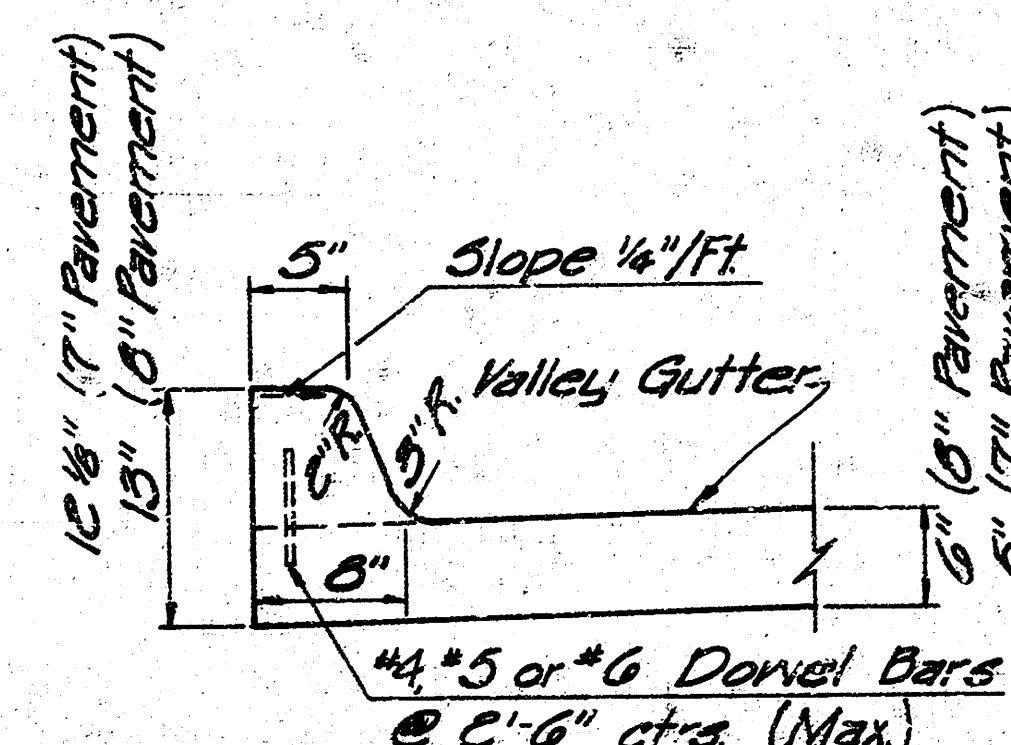
**STANDARD CURB & GUTTER DETAIL**

+ Slope 3/8"/ft. (37' Pavement)  
+ Slope 7/8"/ft. (35' Pavement)  
+ Slope 1/2"/ft. (27' Pavement)

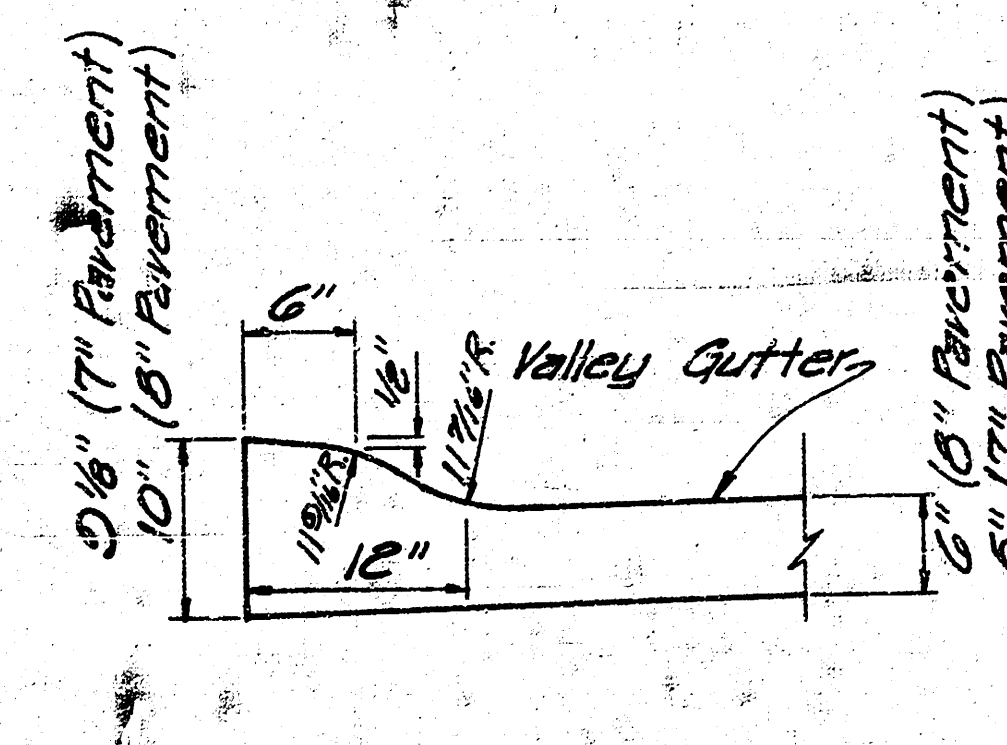


**ROLL TYPE CURB & GUTTER DETAIL**

Note: Integral Curb shall be tied to the pavement base with short deformed dowel bars spaced at 2'-0" intervals. These dowel bars shall be not less than 1/2" or more than 3/4" in diameter.



**STANDARD INTEGRAL CURB & GUTTER DETAIL**



**ROLL TYPE INTEGRAL CURB & GUTTER DETAIL**

Note: Roll Type Integral Curb shall be poured monolithic with Valley Gutter.

**GENERAL NOTES**

1. A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQUARE YARD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.
2. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1 FOOT WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.
3. THE A.C. PAVEMENT BETWEEN COMBINED CURB AND GUTTER ON 35' BACK TO BACK AND 29' BACK TO BACK STREETS SHALL BE PAID AS SQUARE YARDS 7" A.C. PAVEMENT (5" BITUMINOUS BASE). THE BITUMINOUS BASE UNDER THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS 2-1/2" BITUMINOUS BASE.
4. SIDEWALKS INDICATED ON THE TYPICAL SECTION ARE FOR LOCATION ON THAT SECTION ONLY. SIDEWALKS SHALL BE CONSTRUCTED WHERE SHOWN ON THE PLAN SHEET AS PART OF THIS PROJECT.
5. CONTRACTION JOINTS MAY BE CONSTRUCTED IN INTEGRAL CURB BY SAWING WITH AN APPROVED CONCRETE SAW. THE SAW SHALL EXTEND THROUGH THE CURB TO THE PAVEMENT. SAWED CONTRACTION JOINTS SHALL HAVE A MAXIMUM SPACING OF 10'.
6. STANDARD INTEGRAL CURB SHALL BE TIED TO THE PAVEMENT BASE WITH SHORT DEFORMED DOWEL BARS SPACED AT 2'-6" INTERVALS. THESE DOWEL BARS SHALL NOT BE LESS THAN 1/2" NOR MORE THAN 3/4" IN DIAMETER, AND SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO INTEGRAL CURB. ROLL TYPE INTEGRAL CURB SHALL BE POURED MONOLITHIC WITH THE VALLEY GUTTER.
7. THE 6" SUBGRADE TREATMENT SHALL BE PAID FOR PER SQUARE YARD OF MANIPULATION AND PER TON OF LIME OR CEMENT, COMPUTED AT THE RATE OF 25 POUNDS PER SQUARE YARD. THE ACTUAL RATE OF LIME OR CEMENT SHALL BE DETERMINED BY THE ENGINEER AND NO ALTERATION OF THE UNIT PRICE BID FOR LIME OR CEMENT WILL BE MADE. IF THE ENGINEER DETERMINES, BASED UPON SOIL TESTS OF THE SUBGRADE MATERIAL IN PLACE, THAT NO SUBGRADE TREATMENT IS REQUIRED, THE TOP 6" OF THE SUBGRADE SHALL BE COMPACTED TO 90% ASTM D-1557 OR 95% ASTM D-698. IN THIS EVENT, THE BID ITEMS OF MANIPULATION AND LIME OR CEMENT SHALL BE UNDERPAID AND THE BID ITEM COMPACTED FILL SHALL BE INCREASED BY THE AMOUNT OF MANIPULATED FILL SHOWN ON THE PLANS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH APPLICABLE STATE LAWS.



|                                            |                 |            |      |
|--------------------------------------------|-----------------|------------|------|
| No.                                        | Revision        | By         | Date |
| CITY OF WICHITA, KANSAS                    |                 |            |      |
| <b>TYPICAL SECTIONS</b>                    |                 |            |      |
| STREET IMPROVEMENTS                        |                 |            |      |
| WILLO-ESQUE 5th ADDITION                   |                 |            |      |
| PROJ. NO. 472-75-243-81106-000-000-001     |                 |            |      |
| PROFESSIONAL ENGINEERING CONSULTANTS, P.A. |                 |            |      |
| ENGINEERS                                  |                 |            |      |
| WICHITA, KANSAS                            |                 |            |      |
| Designed by BR                             | Job No. 81106   | Sh. 2 of 8 |      |
| Drawn by ES                                | Date July, 1981 |            |      |

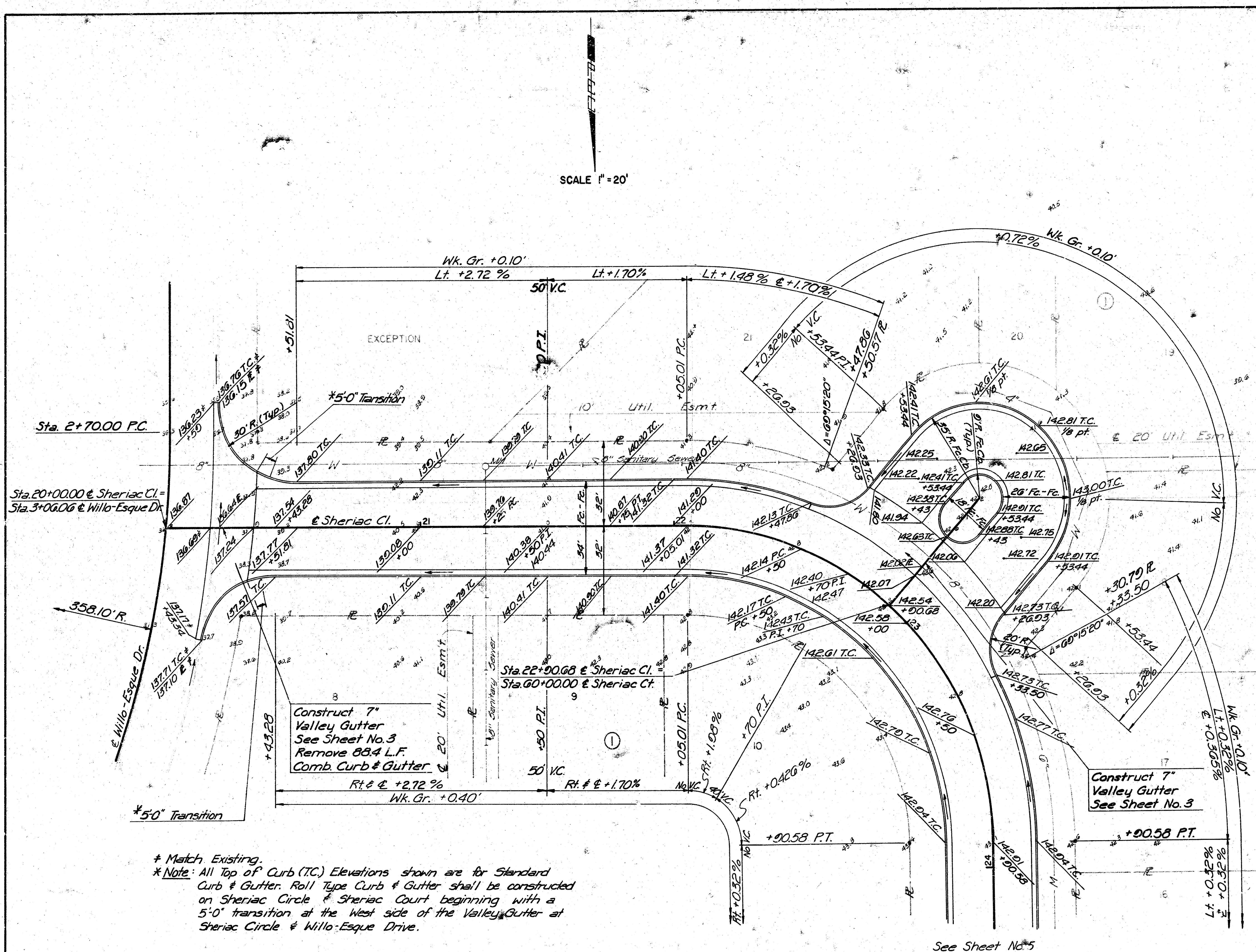


SCALE 1" = 20'

| CURVE DATA BASED ON $\Delta/2 = 44^\circ 56' 45.5''$ |            |              |                  |                  |  |
|------------------------------------------------------|------------|--------------|------------------|------------------|--|
| STATION                                              | ARC LENGTH | CHORD LENGTH | DEFLECTION ANGLE | TOTAL DEFLECTION |  |
| 22+05.01                                             |            |              | 0° 00' 00"       | 0° 00' 00"       |  |
| +25                                                  | 10.00'     | 24.19'       | 4° 50' 30"       | 4° 50' 30"       |  |
| +47.86                                               | 22.86'     | 27.65'       | 5° 32' 12"       |                  |  |
| +50                                                  | 25.00'     |              | 6° 03' 18.5"     | 10° 53' 48.5"    |  |
| +75                                                  |            | 30.28'       |                  | 16° 57' 07.0"    |  |
| 23+00                                                |            |              |                  | 23° 00' 25.5"    |  |
| +25                                                  | 25.00'     | 30.28'       | 6° 03' 18.5"     | 29° 03' 44.0"    |  |
| +33.50                                               | 8.50'      | 10.30'       | 2° 03' 31"       |                  |  |
| +50                                                  | 25.00'     |              | 6° 03' 18.5"     | 35° 07' 02.5"    |  |
| +75                                                  | 25.00'     | 30.28'       | 6° 03' 18.5"     | 41° 10' 21.0"    |  |
| 23+00.58                                             | 15.58'     | 18.87'       | 3° 46' 24.5"     | 44° 56' 45.5"    |  |

Curve Data  
 $\Delta = 89^\circ 53' 31''$   
 $D = 48^\circ 26' 27''$   
 $R = 118.28'$   
 $T = 118.06'$   
 $L = 185.57'$   
 $L_c = 167.18'$

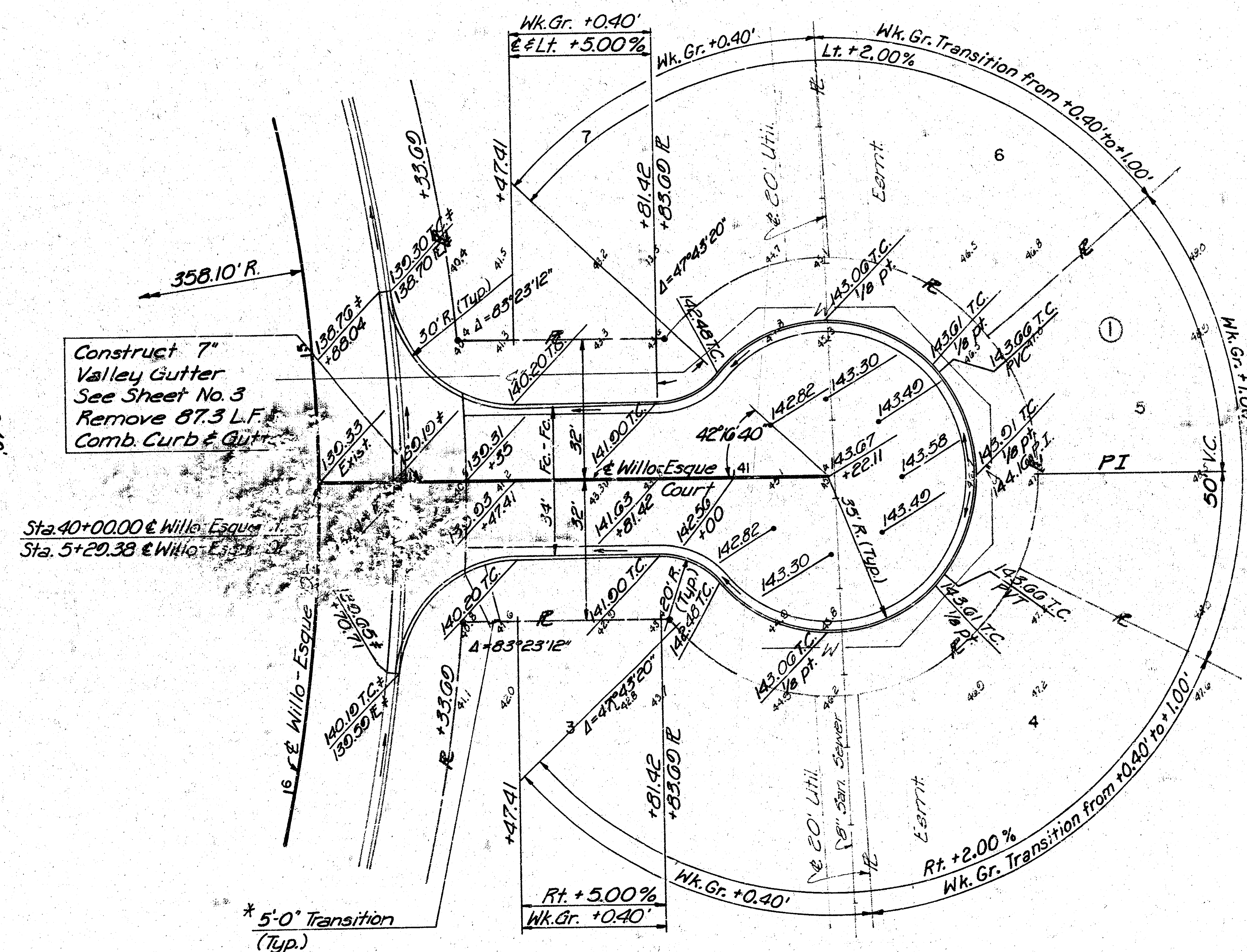
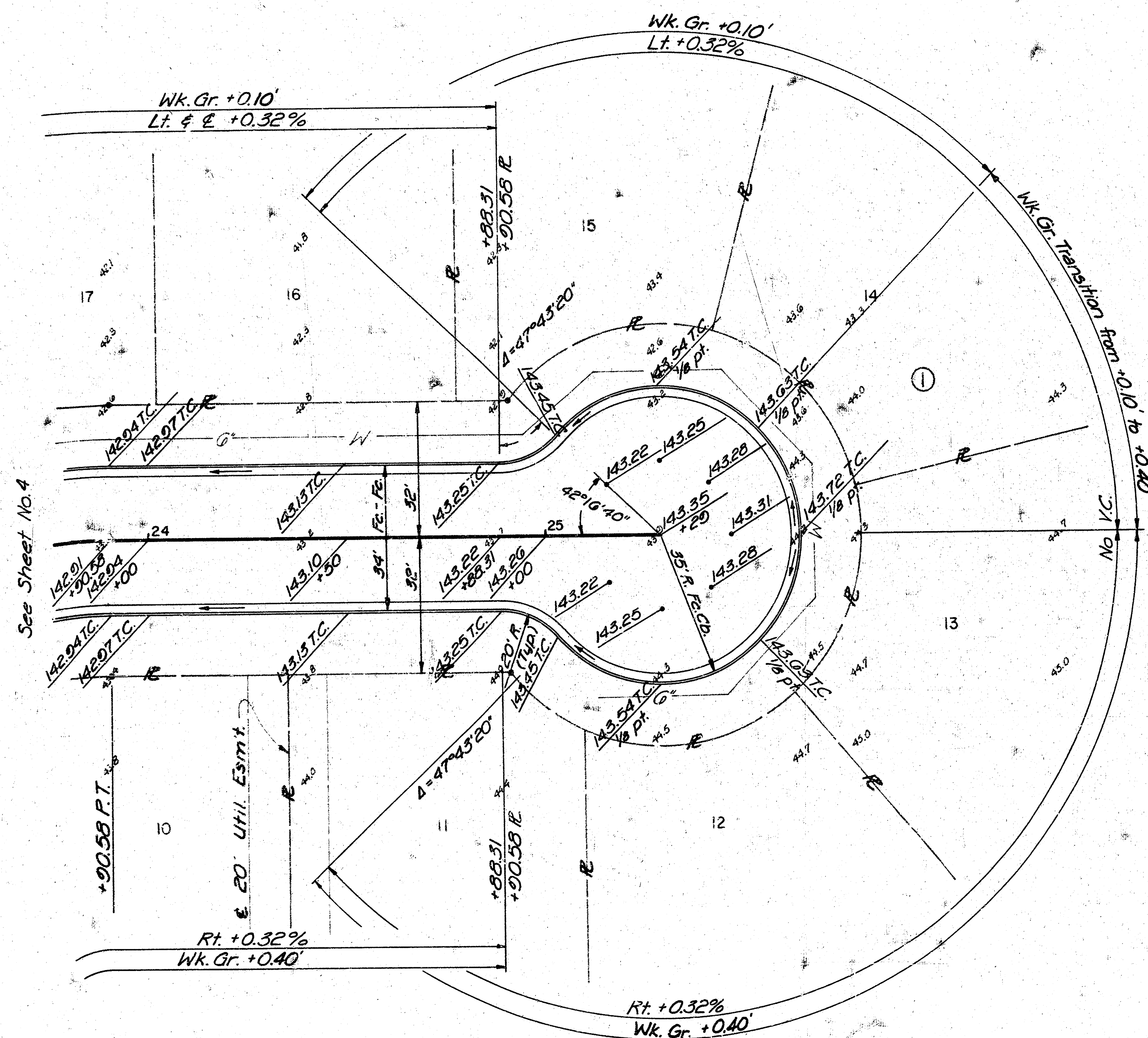
\* Match Existing.  
 \* Note: All Top of Curb (TC) Elevations shown are for Standard Curb & Gutter. Roll Type Curb & Gutter shall be constructed on Sheriac Circle & Sheriac Court beginning with a 5'-0" transition at the West side of the Valley Gutter at Sheriac Circle & Willo-Esque Drive.



|                                            |                 |        |      |
|--------------------------------------------|-----------------|--------|------|
| No.                                        | Revision        | By     | Date |
| CITY OF WICHITA, KANSAS                    |                 |        |      |
| SHERIAC CIRCLE                             |                 |        |      |
| STA. 20+00.00 TO STA. 23+00.58             |                 |        |      |
| SHERIAC COURT                              |                 |        |      |
| STA. 60+00.00 TO STA. 60+53.44             |                 |        |      |
| PROJ. 472-76-245-81106-000-000-001         |                 |        |      |
| PROFESSIONAL ENGINEERING CONSULTANTS, P.A. |                 |        |      |
| ENGINEERING                                |                 |        |      |
| WICHITA, KANSAS                            |                 |        |      |
| Designed by BR                             | Job No. 81180   | Sht. 4 | 8    |
| Drawn by GH                                | Date July, 1981 |        |      |

SCALE 1"=20'

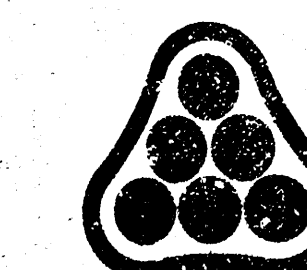
SCALE 1"=20'



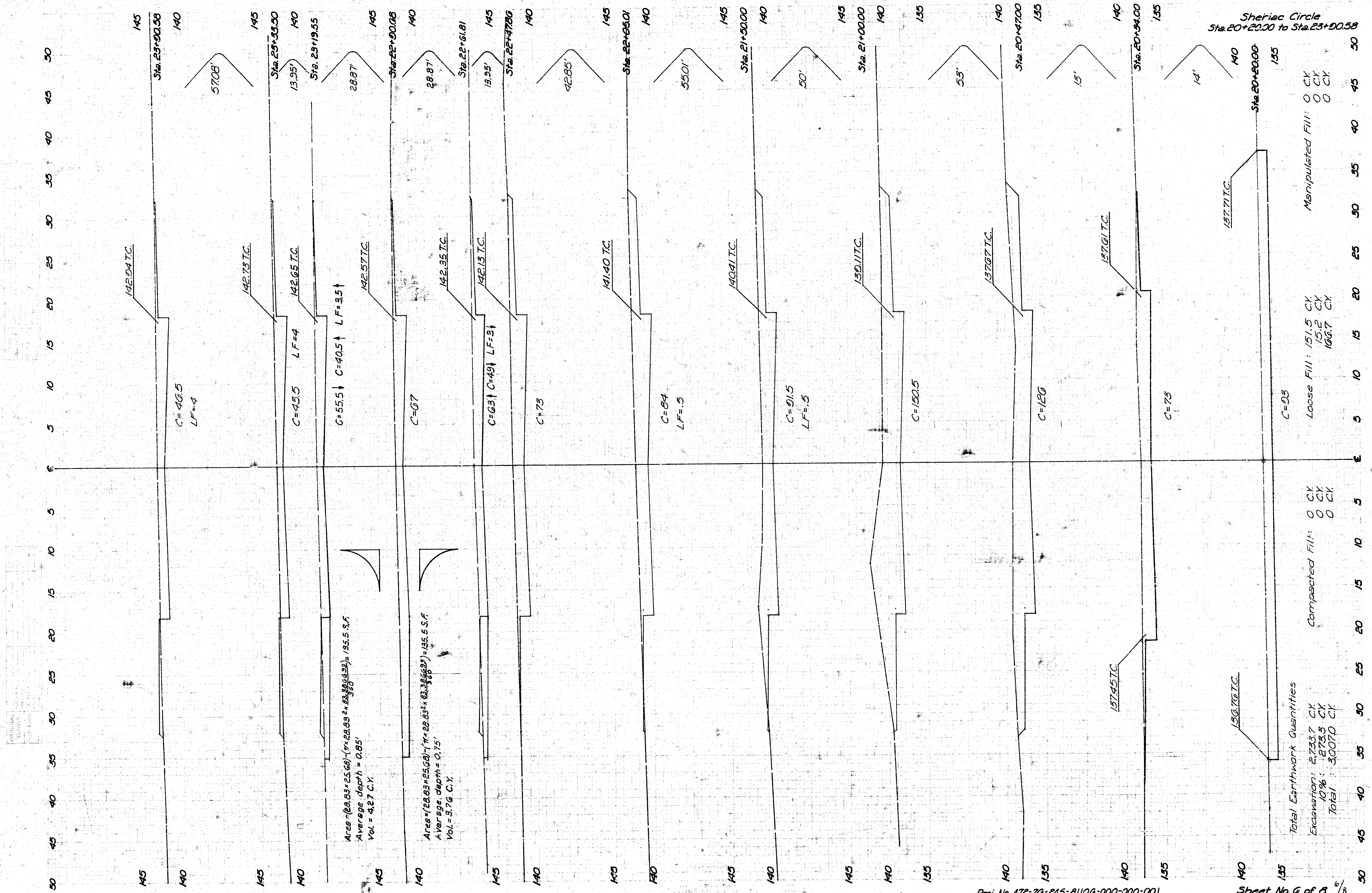
Construct 7" Valley Gutter  
See Sheet No. 3  
Remove 87.3 L.F.  
Comb. Curb & Gutter

Sta. 40+00.00 @ Willo-Esque  
Sta. 5+29.38 @ Willo-Esque

\* Match Existing  
\* All Top of Curb (T.C.) Elevations shown are for Standard Curb & Gutter. Roll Type Curb & Gutter shall be constructed as Willo-Esque Court beginning with a 5'-0" Transition as shown.



| No.                                        | Revision        | By     | Date |
|--------------------------------------------|-----------------|--------|------|
|                                            |                 |        |      |
| CITY OF WICHITA, KANSAS                    |                 |        |      |
| SHERIAC CIRCLE                             |                 |        |      |
| STA. 23190.58 TO STA. 25129.00             |                 |        |      |
| WILLO-ESQUE COURT                          |                 |        |      |
| STA. 40100.00 TO STA. 41122.11             |                 |        |      |
| PROJ. NO. 472-75-245-81106-000-000-001     |                 |        |      |
| PROFESSIONAL ENGINEERING CONSULTANTS, P.A. |                 |        |      |
| ENGINEERS                                  |                 |        |      |
| WICHITA, KANSAS                            |                 |        |      |
| Designed by BR                             | Job No. 81106   | Sht. 5 | 8    |
| Drawn by GH                                | Date July, 1981 |        |      |



DIVISION OF HIGHWAYS  
 PROJECT NO. 472-70-245-91100-000-001  
 SHEET NO. 7 OF 8

