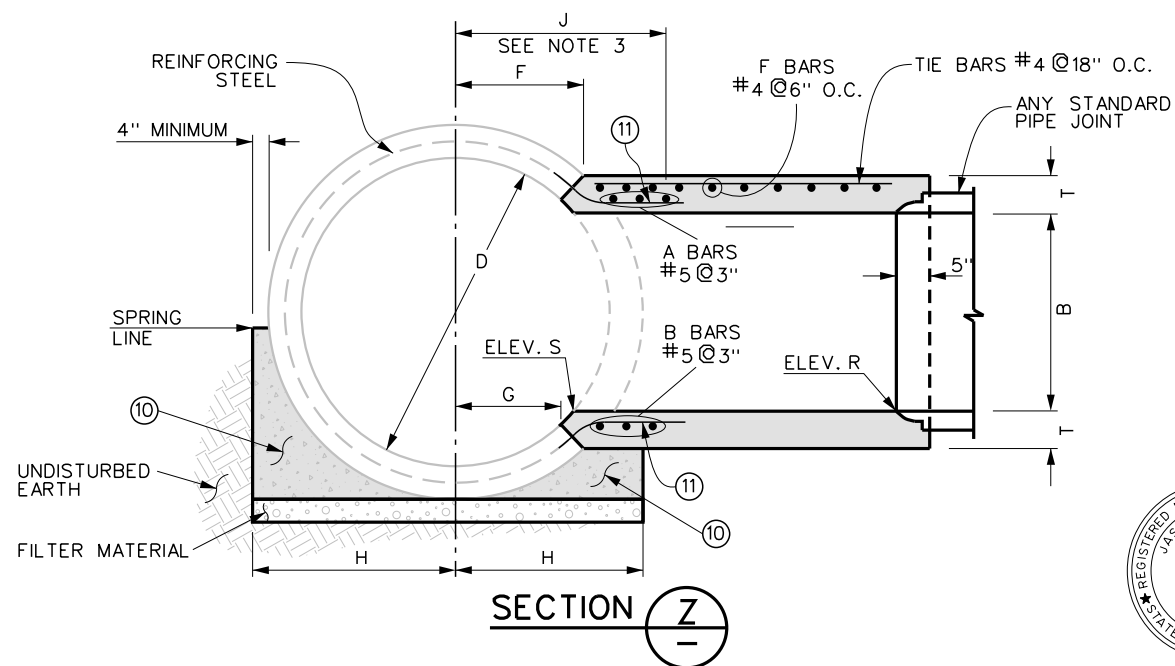
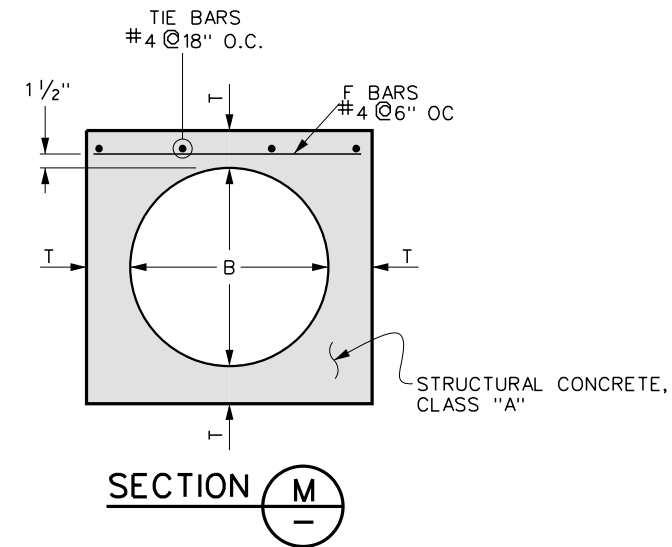


PLAN



SECTION Z-Z



SECTION M-M

TABLE OF VALUES FOR DIMENSIONS

| B (INCHES) | T (INCHES) |
|-----------------|-----------------|
| 8 | 5 |
| 12 | 5 |
| 15 | 5 |
| 18 | 5 |
| 21 | 5 |
| 24 | 5 1/2 |
| 27 | 5 1/2 |
| 30 | 6 |
| 33 | 6 1/2 |
| 36 | 6 1/2 |
| 39 | 7 |

NOTES

- THIS JUNCTION STRUCTURE SHALL BE USED WHEN THE OUTSIDE DIAMETER OF THE LATERAL IS GREATER THAN 1/2 THE DIAMETER D OF THE MAIN LINE; OR WHEN THE INSIDE DIAMETER B OF THE LATERAL IS GREATER THAN 24". B SHALL NOT EXCEED 0.75 D OR 39".
- VALUES FOR A, B, C, D, E, F, G, L, ELEV. R, AND ELEV. S SHALL BE SPECIFIED ON PROJECT DRAWINGS.
- A AND B BARS SHALL BE CARRIED TO NOT LESS THAN J DISTANCE IN INCHES FROM CENTER LINE $J=(7/12)D+6"$
- RECTANGULAR OPENING IN MAIN LINE PIPE SHALL BE CUT WITHIN LIMITS NORMAL TO PIPE SURFACE (DIMENSION L) WITHOUT DAMAGING STEEL.
- UNLESS OTHERWISE SHOWN, ALL REINFORCING STEEL SHALL BE NEW, STRAIGHT, DEFORMED STEEL BARS AND SHALL BE KEPT 1/2" CLEAR FROM INSIDE FACE OF CONCRETE.
- WHERE DESIGN VELOCITIES EXCEED 20 FT/SEC, CONCRETE COVER ON THE INSIDE FACE SHALL BE INCREASED TO PROVIDE ADDITIONAL COVER OVER THE REINFORCED STEEL AS SPECIFIED ON THE PROJECT DRAWINGS.
- FLOOR OF STRUCTURE SHALL BE STEEL-TROWELED TO SPRING LINE.
- NO MORE THAN ONE OPENING SHALL BE MADE IN ANY ONE SECTION OF PIPE, AND SHALL NOT BE MADE WITHIN 12" OF A MAIN LINE JOINT.
- STATIONS SPECIFIED ON DRAWINGS APPLY AT THE INTERSECTION OF CENTERLINES OF MAIN LINE AND LATERALS, UNLESS OTHERWISE NOTED.
- PIPE SHALL BE CRADLED IN CLASS B CONCRETE EXTENDING LONGITUDINALLY TO POINTS 1 FT. BEYOND THE LIMITS OF L. MINIMUM H SHALL BE: $H=1/2$ OUTSIDE PIPE DIAMETER + 4 INCHES. CRADLE MAY BE OMITTED ON SIDE OPPOSITE LATERAL INLET WHEN CONSTRUCTED IN CONNECTION WITH EXISTING PIPE STORM DRAIN.
- MAIN LINE REINFORCEMENT IN PIPE SHALL BE CUT IN CENTER OF OPENING AND BENT TO UNIFORM DISTANCE FROM TOP AND BOTTOM OF JUNCTION STRUCTURE.

CITY OF RIV. STD. NO. 421
L.A.C.F.C.D. DWG. NO. 2-D112 (MODIFIED)



| | |
|---|---|
| RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | |
| APPROVED BY: <i>Jason E. Uhley</i> GENERAL MANAGER / CHIEF ENGINEER DATE: 7-2-2019 R.C.E. NO. 59795 | APPROVED BY: <i>Claudio Manuel Padua</i> CHIEF, DESIGN & CONSTRUCTION DATE: 7-2-2019 R.C.E. NO. 70355 |

JUNCTION STRUCTURE NO. 2

STANDARD DRAWING NUMBER JS227 SHEET 1 OF 1