

NOTES FOR JUNCTION STRUCTURE NO. 2

1. VALUES for A, B, C, D, E, F, G, L, Elevation R, and Elevation S shown on improvement plan.
2. PIPE shall be cradled in class A concrete extending longitudinally to points 1 ft. beyond the limits of $LH = \frac{1}{2}$ outside diameter of pipe + 4" as a minimum. Cradle may be omitted on side opposite lateral inlet when constructed in connection with existing pipe storm drain.
3. A AND B BARS shall be carried to point not less than J distance from center line, $J = \frac{7D}{12} + 6"$.
4. RECTANGULAR OPENING in main line pipe shall be cut within these limits normal to pipe surface without damaging steel. Values for F, G, and L on improvement plan.
5. TRANSVERSE REINFORCEMENT in pipe shall be cut in center of opening and bent to uniform distance from top and bottom of junction structure.
6. STRUCTURAL CONCRETE shall be CLASS "A"
7. REINFORCING STEEL shall be round, deformed, straight bars, $1\frac{1}{2}"$ clear from inside face of concrete unless otherwise shown.
8. STEEL SCHEDULE as shown.
9. MONOLITHIC ARCH: When Junction Structure No. 2 is specified with reinforced monolithic arch storm drain, value D shall refer to the clear span of the arch. Reinforcing steel shall be cut and bent into junction structure the same as for pipe. Concrete cradle under reinforced monolithic arch is not required.
10. FLOOR of structure shall be steel-troweled to springing line.

CITY OF RIV. STD. NO. 421
 L.A.C.F.C.D. STD. NO. 2-D112
 CITY OF L.A. STD. NO. B-1529



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	
APPROVED BY:	<i>Warren D. Will Lays</i>
CHIEF ENGINEER	
DATE: April 5, 2004	R.C.E. NO. 32336

JUNCTION STRUCTURE
NO. 2

STANDARD DRAWING NUMBER JS227
SHEET 2 OF 2