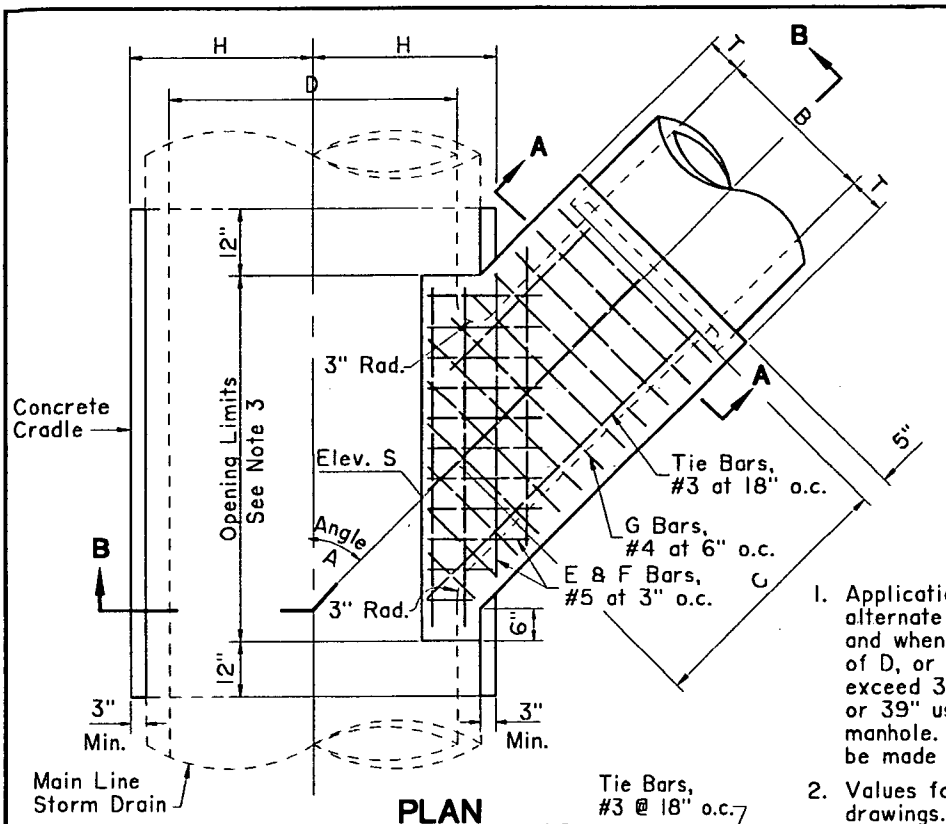
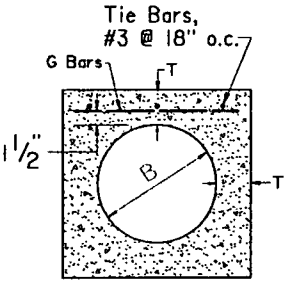
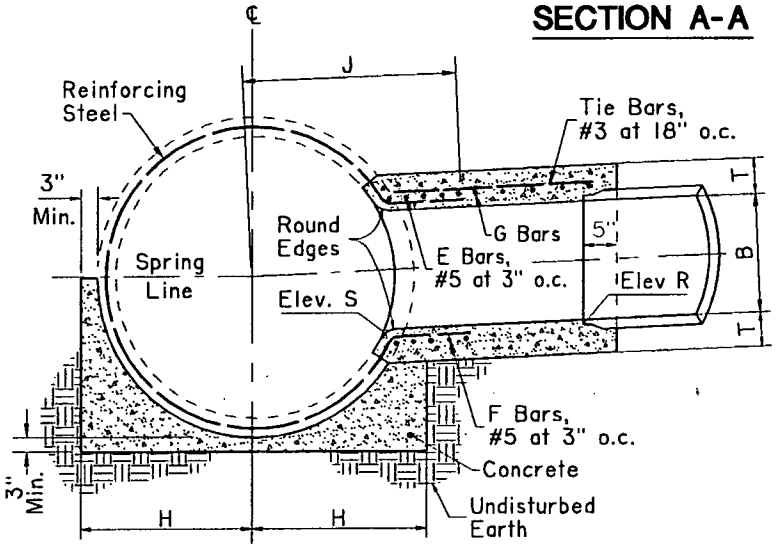


PLAN



SECTION A-A



SECTION B-B

TABLE

T Values

B (inches)	T (inches)
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

1. Application - To be used when sufficient alternate access is available for maintenance and when O.D. of B is greater than 1/2 the I.D. of D, or B is greater than 24", B shall not exceed 3/4 D, or 39". Where B exceeds 3/4D or 39" use junction structure Type III without manhole. NOTE: No more than one opening shall be made in one section of pipe.
2. Values for A, B, C, and D are shown on project drawings.
3. Side inlet pipe shall enter main line radially when elevations "R" and "S" are not shown on project drawings. When side inlet pipe enters main line other than radially, elevation "S" shall be shown on project drawings and side inlet pipe shall be laid on a straight grade from elevation "S" to catch basin or grade break in line. Elev. "R" shall be shown on project drawings only when stub is to be provided in main line for future side inlet pipe.
4. The opening shall be rectangular, cut normal to pipe surface and without damaging reinforcing steel. If a joint in the main line pipe falls within the limits of the concrete cradle, provide a concrete encasement on foot above the top of the main line to the limits of the cradle.
5. The transverse reinforcement in pipe shall be cut at center of opening and bent into top and bottom slabs of spur.
6. The main line pipe shall be cradled and encased in concrete, H = 1/2 O.D. of pipe + 3" minimum. Cradle may be omitted in side opposite lateral inlet when constructed in connectionwith existing storm drain.
7. Reinforcing steel shall be placed 1 1/2 inches clear from face of concrete, unless otherwise shown.
8. E and F bars shall be carried to a point not less than J distance from centerline. J = 7/12 D + 6".
9. Floor of structure shall be steel-troweled to spring line.
10. Stations specified on drawings apply at the intersection of centerlines of main line and laterals, except that stations of catch basin connector pipe apply at inside wall of structure.

DRAWN P.L.S.

DATE 8/1/95

STD. NO. 324

CITY OF FULLERTON
ENGINEERING DEPARTMENT

JUNCTION STRUCTURE TYPE IV

APPROVED Robert Hudson DIRECTOR OF ENGINEERING DATE 8/16/95

REVISED

DATE