



For dimensions and bar sizes

B (feet)	T (feet)	D, E, H, G bars	F bars
12	4	# 5	# 6 @ 6
15	4 1/4	# 5	# 6 @ 6
18	4 1/2	# 5	# 6 @ 6
21	5	# 5	# 6 @ 6
24	5 1/4	# 5	# 6 @ 6
27	5 1/2	# 5	# 6 @ 6
30	6	# 5	# 6 @ 6
33	6 1/4	# 5	# 6 @ 6
36	6 1/2	# 5	# 6 @ 6
39	7	# 5	# 6 @ 6
42	7 1/2	# 5	# 6 @ 6
45	7 3/4	# 5	# 6 @ 6
48	8	# 5	# 6 @ 6
51	8 1/2	# 5	# 6 @ 6
54	9	# 5	# 6 @ 6
57	9 1/4	# 5	# 6 @ 6
60	9 1/2	# 5	# 6 @ 6
63	10	# 5	# 6 @ 6
66	10 1/4	# 5	# 6 @ 6
69	10 1/2	# 5	# 6 @ 6
72	11	# 5	# 6 @ 6
74	11 1/4	# 5	# 6 @ 6
78	12 1/2	# 5	# 6 @ 6
84	13 1/4	# 5	# 6 @ 6
90	13 1/2	# 5	# 6 @ 6
96	14	# 5	# 6 @ 6
102	15 1/2	# 5	# 6 @ 6
108	16	# 5	# 6 @ 6
114	16 1/2	# 5	# 6 @ 6
120	17	# 5	# 6 @ 6
126	17 1/2	# 5	# 6 @ 6
132	18	# 5	# 6 @ 6
138	18 1/2	# 5	# 6 @ 6
144	19	# 5	# 6 @ 6

NOTES

1. Values for A, B, C, Elev. R, and Elev S are shown on Project Dwg's. Table of Values for T shown on this plan.
 2. Stations specified on drawings apply at the intersection of center lines of main line and laterals, except that stations for catch basin connector pipe apply at inside wall of structure.
 3. Reinforcing steel shall be straight bars 1/2" clear from inside face of concrete unless otherwise shown.
W bars are of size and spacing specified for wall steel on plan, and shall be cut in center of opening and bent into top and bottom of Junction structure.
 4. Junction structure shall be poured monolithically with main line storm drain, manhole or transition.
 5. Floor of structure shall be steel-troweled to the spring line.
 6. Structural Concrete shall be Class "A".
 7. Embedment P₁ shall be 5" for B = 96" or less and 8" for B over 96".
 8. Backfill under structure with 1-3-5 mix concrete, or compact soil to relative density required by specifications.
Backfill may be omitted if structure is laid on undisturbed earth to storm drain wall.
 9. The need for an edge beam and/or additional reinforcement shall be investigated by the engineer for any one of the following conditions:
 - a. Angle A is less than 30°
 - b. top of inlet pipe is less than 6" below the soffit
 - c. Flow line of inlet pipe is less than 7" above the floor of the RCB at the inside face.
- X. Limits of existing construction removal.



RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

APPROVED BY: *Warren D. Williams*
CHIEF ENGINEER

DATE: April 5, 2004

R.C.E. NO. 22336

JUNCTION STRUCTURE
NO. 1

STANDARD DRAWING NUMBER JS226