TABLE OF VALUES FOR F AND T						
D ₂	F		В	T		
36"	8"		33"	8"		
39"	8"	-	36"	8''		
42"	8"		39"	8"		
45"	8"		42"	8"		
36" 39" 42" 45"			36" 39" 42" 45" 48"	8"		
51" 54" 57" 60"	8" 8 1/2" 9" 9 1/4" 9 1/2" 10" 10 1/4"		48"	8"		
54"	9"		51" 54" 57" 60" 63" 66" 72" 78" 84" 90" 96" 102"	Q 1/2"		
57"	9 1/4"		54"	9" 9 1/4" 9 1/2" 10" 10 1/2" 10 3/4"		
60"	9 1/2"		57"	9 1/4"		
1 63"	10"		60"	9 1/2"		
66"	10 1/4" 10 3/4" 11"		63''	10"		
69" 72" 78"	10 3/4"		66''	10 1/2"		
72"	<u>-</u>		69''	10 3/4"		
78"	11 3/4"		72"	1 15 1		
ייעס ו	12 1/2"		78''	11 3/4"		
90" 96" 102" 108" 114"	11 3/4" 12 1/2" 13 1/4"		84"	11 3/4" 12 1/2" 13 1/4" 14"		
96"	14" 15 1/2"		90"	13 1/4"		
102"	15 1/2"		96"	14"		
108"	16" 16 1/2"		102"	15 1/2"		
114"	16 1/2"		108"	16" 16 1/2"		
120"	17"		11/4"	16 1/2"		
120" 126"	17" 17" 17 1/2" 17 1/2"		120"	17"		
132"	17 1/2"		126"	17"		
138"	17 1/2"		132"	17 1/2"		
132" 138" 144"	18"		138''	17" 17 1/2" 17 1/2" 18"		
			120" 126" 132" 138" 144"	18''		

NOTES

- I. Values of A, B, C, D, D₂, L, Elevations R and S are shown on plan. Table of values for F and T hereon.
- 2. If laterals enter both sides of junction structure, access shaft shall be located on side receiving the smaller lateral.
- 3. Center of manhole shaft shall be located over center line of Storm Drain when Dt is 48" or less. In this case place 4-E bars symmetrically around shaft 45° with center line.
- 4. Length of junction structure may be increased at option to meet pipe ends, but any change in location of spur must be approved by the Engineer.
- 5. Detail M: When depth of manhole from street to top of junction structure is less than 2'-10 1/2" for paved streets or 3'-6" for unpaved streets, construct monolithic shaft per Detail M. Construction of shaft as per Detail M for any depth of manhole is optional. When D₁ is 48" or less, center of shaft shall be located as per Note 3.
- 6. Reinforcing steel: Straight bars, 1 1/2" clear of face of concrete unless shown otherwise. Tie bars shall be #4 spaced 18" o.c. or closer. Steel Schedule detailed on plan.
- 7. Embedment "P" shall be 5" for D_2 =96" or less and 8" for D_2 over 96".
- 8. Steps shall be 3/4" round galvanized steel and anchored not less than 6" in walls of the structure and shall project a minimum of 4" from point of embedment. Unless otherwise shown, the spacing shall be 16" or 17" o.c. The lowest step shall not be more than 2 feet above the invert.
- Rings, reducer, and pipe for access shaft shall be seated in 1:2 mix mortar and neatly pointed or wiped inside.
- 10. Floor of junction structure shall be steel troweled to spring line.
- Body of junction structure, including spur, shall be constructed in one continuous operation, except that a construction joint at the spring line, with longitudinal keyway, is permitted.
- 12. Elevations apply at center of main line on prolongation of invert spur.
- 13. Manholes shall be constructed unless specified otherwise on project plans. Junction Structure Std. Dwg. 323 may be used without manhole when Engineer determines sufficient means of access is available for storm drain maintenance.
- When manhole is omitted from junction structure Type III, the following notes shall apply:
 - a. For B less than 48", T shall be 8".
 - b. Omit "E", "J", and "H" bars.
 - c. Omit "D" bars spaced at 3" and use spacing indicated on table.
 - d. Omit "A", "B", and "F" bars for structure without side inlets.

Note: Use Junction Structure Type III for D_2 pipe diameters of 36" or greater, and inlet (B) diameters of 33" or greater.

REVISED	CITY OF FULLERTON ENGINEERING DEPARTMENT	DRAWN PLS. DATE 8/1/95
DATE		DATE
	JUNCTION STRUCTURE TYPE III	STD. NO.
		323
	APPROVED fallet Hadran DATE 8/16/95	323
	DIRECTOR OF ENGINEERING	2 of 2