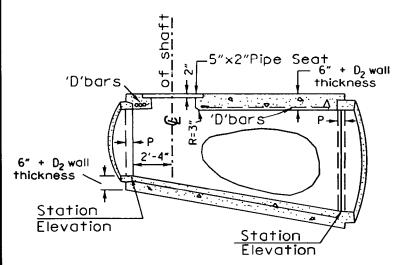
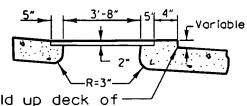


SHT. 1 OF 4

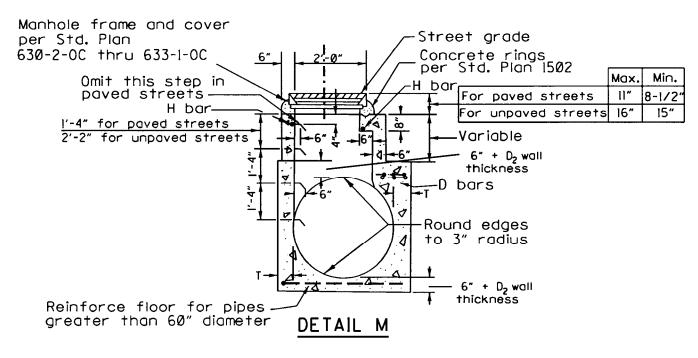


## LONGITUDINAL SECTION



Build up deck of — manhole to provide level pipe seat.

SEAT FOR SHAFT WHEN
TOP IS NOT LEVEL



NOTE: 'A & B' bars not shown for clarity.

$/ \mathcal{N}_{\mathcal{L}}$	
ORANGE COUNTY RESOURCES & DEVELOPMENT MANAGEMENT DEPARTMENT	STD. PLAN
Approved — Vullet Engineer  H. I. Nakasone, Chief Engineer  Adopted: Res. 77-92 Revised: Res. 82-718; 86-1141; 96-546; 06-010	1312
JUNCTION STRUCTURE -TYPE III	SHT. 2 OF 4

	TABLE C	F VALL		
D <sub>2</sub>	T	В	F	
36″	8"	18"	6"	
39"	8*	21"	6"	
42"	8"	24"	7~	
45"	8″	27"	7″	
48"	8″	30"	7*	
51″	81/2 "	33″	8″	
54"	9″	36″	8″	
57"	91/4 "	39″	8″	
60"	91/2 "	42"	8″	
63″	10"	45″	8″	
66″	101/4 "	48″	8*	
69*	103/4 "	51″	81/2 "	
72"	11"	54"	9*	
78"	113/4 "	57″	91/4 "	
84"	121/2 "	60"	91/2 ~	
90″	13¼ "	63″	10"	
96*	14"	66″	101/4 "	
102"	151/2 "	69*	10¾ "	
108"	16*	72"	11"	
114"	161/2 "	78″	1134 "	
120"	17"	84"	121/2 "	
126″	17"	90″	131/4 "	
132*	171/2 "	96″	14"	
138″	171/2 "	102"	151/2 "	
144"	18″	108"	16″	
		114"	16 <sup>1</sup> /2 "	
,		120"	17"	
		126″	17"	
		132*	171/2 "	
		138″	171/2 "	
		144"	18"	

## NOTES:

- I. VALUES for  $A,B,C,D,D_2$ , Elevation R and Elevation S are shown on plan. Table of values for F and T hereon.
- 2. LATERALS. If laterals enter both sides of junction str., 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  $D_{l}$  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  $2'-10\frac{1}{2}$ " 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 D is 48" or less, center of shaft shall be located as per Note 3.
- 6. REINFORCING STEEL. Straight bars, 1/2 " clear of face of concrete unless shown otherwise. Tie bars shall be #4 spaced 18" on centers 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. Construct steps per Standard Plan 1307.
- 9. RINGS, REDUCER, AND PIPE for access shaft shall be seated in 1:2 mix mortar and neatly pointed or wiped inside shaft.
- 10. FLOOR of junction structure shall be steel troweled to spring line.
- II. 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 applies at center of main line on prolongation of invert spur.

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ORANGE	COUNTY	RESOURCES	&	DEVELOPMENT	MANA	GEME	N/T/	DEPARTME	NT
				DEVELOPMENT	roved _	4	[ Vu	flame	

Approved \_\_

STD. PLAN

Adopted: Res. 77-92

H. I. Nakasone, Chief Engineer Revised: Res. 82-718; 86-1141; 96-546; 06-010

JUNCTION STRUCTURE-TYPE III

SHT. 3 OF 4

## NOTES: (cont.)

- 13. Manholes shall be constructed unless specified otherwise on the project plans. Std. Plan 1312 may be used without manhole when Engineer determines sufficient means of access is available for storm drain maintenance.
- 14. When manhole is omitted from Junction Structure Type III the following notes shall apply:
  - a. For  $\mathrm{D}_2$  or B from 18" through 30", T & F shall be 8".
  - b. For  $D_2$  or B greater than 30" use table of values hereon.
  - c. Omit "E". "J" & "H" bars.
  - d. Omit "D" bars spaced at 3" and use spacing indicated on the table.
  - e. Omit "A", "B" & "F" bars for structure without side inlets.

ORANGE COUNTY RESOURCES & DEVELOPMENT MANAGEMENT DEPARTMEN

Approved.

H. I. Nakasone, Chief Engineer

Adopted: Res. 77-92

Revised: Res. 82-718; 86-1141; 96-546; 06-010

1312

STD. PLAN

SHT. 4 OF 4