



TABLE OF VALUES FOR "F"

*D2/D1	F	*D2/D1	F
3.5	6.2	7.6	11.3
3.9	7.1	8.4	12.3
4.2	7.4	9.0	13.4
4.5	7.8	9.6	14.4
4.8	8.1	10.2	15.3
5.1	8.5	10.8	16.1
5.4	9.1	11.4	16.5
5.7	9.6	12.0	17.7
6.0	9.8	1.6	17.7
6.3	10.1	1.7	17.7
6.6	10.4	1.8	17.7
6.9	10.7	1.8	18.1
7.2	11.1	1.9	18.1

* Use D2 or D1, whichever is greater.

NOTES

- 1- TABLE of values for "F" on this plan
- 2- CENTER OF MANHOLE SHAFT shall be located over center line of storm drain when diameter D1 is 48" or less, in which case place L bars symmetrically around shaft at 45" with centerline and omit J bars
- 3- DETAIL M When depth of manhole from street grade to top of box is less than 2'-10" for paved street or 3'-6" for unpaved street construct monolithic shaft as per Detail M. Shaft for any depth of manhole may be constructed as per Detail M when diameter D1 is 48" or less, center of shaft may be located as per note 2
- 4- THICKNESS OF DECK shall vary when necessary to provide level pipe seat, but shall not be less than tabular values for "F" shown on this plan
- 5- REINFORCING STEEL to be round, deformed bars, 1/2" clear from inside face of concrete unless shown otherwise.
- 6- STEPS shall be 3/4" round galvanized steel and anchored not less than 4 inches in the walls of structure unless otherwise shown. The spacing shall be 16". The lowest step shall not be more than 2'-0" above the invert. See Std Dwg MH259.
- 7- RINGS, REDUCER AND PIPE for access shaft shall be seated in mortar and neatly pointed or wiped inside the shaft
- 8- STATIONS of manholes shown on plan apply at center of shaft. Elevations shown at stations refer to prolonged invert grade lines
- 9- FLOOR of manhole shall be steel-troweled to springing line
- 10- BODY of manhole shall be poured in one continuous operation, except that a construction joint with a longitudinal keyway may be placed at the springing line
- 11- LENGTH L AND EMBEDMENT P shall have the following values unless otherwise shown on plan
 For D2 = 96", L-5'-6", P-5"
 D2 over 96", L-6'-0", P-8"
 L may be increased or location of manhole shifted to meet pipe ends when L greater than that shown above is specified, D bars shall be continued 6'-0"
- 12- D BARS shall be #4 for D2 = 93" or less #5 for D2 = 42" to 84" inclusive and #6 for D2 = 90" or over. The bars shall be #3 bars
- 13- STRUCTURAL CONCRETE shall be Class "A"
- 14- Centerline of inlet pipe to intersect inside face of cone of springing line unless otherwise shown
- 15 Where Pressure Manhole No 2 is specified on plan: see Std Dwg MH 258 and note 3



RIVERSIDE COUNTY FLOOD CONTROL
 AND
 WATER CONSERVATION DISTRICT
 APPROVED BY: *[Signature]*
 CHIEF ENGINEER
 DATE: April 5, 2004 R.C.E. NO. 23336

MANHOLE NO. 2
 STANDARD DRAWING NUMBER MH252