

TABLE OF VALUES FOR F AND T						
D 2	F		B	T	B	T
36"	6-1/2"		12"	4"	102"	15-1/2"
39"	7"		15"	4-1/2"	108"	16"
42"	7-1/4"		16"	4-1/2"	114"	16-1/2"
45"	7-3/8"		21"	5"	120"	17"
48"	8"		24"	5-1/4"	126"	17"
51"	8-1/2"		27"	5-1/2"	132"	17-1/2"
54"	9"		30"	6"	138"	17-1/2"
57"	9-1/4"		33"	6-1/4"	144"	18"
60"	9-1/2"		36"	6-1/2"		
63"	10"		39"	7"		
66"	10-1/4"		42"	7-1/2"		
69"	10-3/4"		45"	7-3/4"		
72"	11"		48"	8"		
78"	11-3/4"		51"	8-1/2"		
84"	12-1/2"		54"	9"		
90"	13-1/4"		57"	9-1/2"		
95"	14"		60"	9-1/2"		
102"	15-1/2"		63"	10"		
108"	16"		66"	10-1/4"		
114"	16-1/2"		69"	10-3/4"		
120"	17"		72"	11"		
126"	17"		78"	11-3/4"		
132"	17-1/2"		84"	12-1/2"		
138"	17-1/2"		90"	13-1/4"		
144"	18"		96"	14"		

NOTES:

- VALUES FOR A,B,C,D1,D2, ELEVATION R, AND ELEVATION S ARE SHOWN ON THE PLAN TABLE OF VALUES FOR F AND T HEREON.
- LATERALS: IF LATERALS ENTER ON BOTH SIDES OF MANHOLE, ACCESS SHAFT SHALL BE LOCATED ON SIDE RECEIVING THE SMALLER LATERAL.
- CENTER OF MANHOLE SHAFT SHALL BE LOCATED OVER CENTERLINE OF STORM DRAIN WHEN D1 IS 48" OR LESS, IN WHICH CASE PLACE 4 E BARS SYMMETRICALLY AROUND SHAFT 45' WITH CENTERLINE.
- LENGTH OF MANHOLE MAY BE INCREASED AT OPTION TO MEET PIPE ENDS, BUT ANY CHANGE IN LOCATION OF SPUR MUST BE APPROVED BY THE CITY ENGINEER.
- DETAIL M: WHEN DEPTH OF MANHOLE FROM STREET TO TOP OF BOX IS LESS THAN 2'-10" FOR PAVED STREETS OR 3'-6" FOR UNPAVED STREETS, CONSTRUCT MONOLITHIC SHAFT AS PER DETAIL M. CONSTRUCTION OF SHAFT AS PER DETAIL M FOR ANY DEPTH OF MANHOLE OPTIONAL. WHEN DIAMETER D1 IS 48" OR LESS, CENTER OF SHAFT SHALL BE LOCATED AS PER NOTE 3.
- REINFORCING STEEL SHALL BE STRAIGHT BARS, 1-1/2" CLEAR FROM FACE OF CONCRETE UNLESS SHOWN OTHERWISE TIE BARS SHALL BE NO.3, AND SPACED 18" ON CENTERS OR CLOSER. STEEL SCHEDULE DETAILED ON PLAN.
- EMBEDMENT P SHALL BE 5" FOR D2=96" OR LESS AND 8" FOR D2 OVER 96".
- STEPS SHALL BE 3/4" ROUND, GALVANIZED STEEL AND ANCHORED NOT LESS THAN 6" IN THE WALLS OF STRUCTURE. UNLESS OTHERWISE SHOWN, THE SPACING SHALL BE 14" TO 15" O. C. THE LOWEST STEP SHALL BE NOT 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 SHAFT.
- FLOOR OF MANHOLE SHALL BE STEEL TROWELED TO SPRINGING LINE.
- BODY OF MANHOLE, INCLUDING SPUR, SHALL BE POURED IN ONE CONTINUOUS OPERATION, EXCEPT THAT A CONSTRUCTION JOINT AT THE SPRINGING LINE WITH A LONGITUDINAL LEEWAY IS PERMITTED.
- ELEVATION S APPLIES AT INSIDE WALL OF STRUCTURE.
- Fc' = 300 psi AT 28 DAYS.