

METROPOLITAN UTILITIES DISTRICT OMAHA, NEBRASKA	SCALE NO SCALE	REVISIONS 11/ 10/ 93 DLW
	DRAWN BY S.A.M.	2/ 01/ 89 CJO
DESCRIPTION 24" MANHOLE RING AND COVER	DATE 11-10-93	11/ 04/ 76 JRP
	REVISED BY	4/ 10/ 67 DDB
	CHECKED BY	
	APPROVED BY	PAGE NO. 1 OF 1 FILE NO. 416206

NOTES

1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
2. FURNISH SOLID LID.
3. NO COATING ON FRAMES OR LIDS.

BY-PASS WITH LOCKING VALVE REQUIRED ON ALL 1-1/2" & LARGER METERS EXCEPT THOSE USED FOR LAWN SPRINKLING.

MATERIAL FOR SERVICE PIPING:

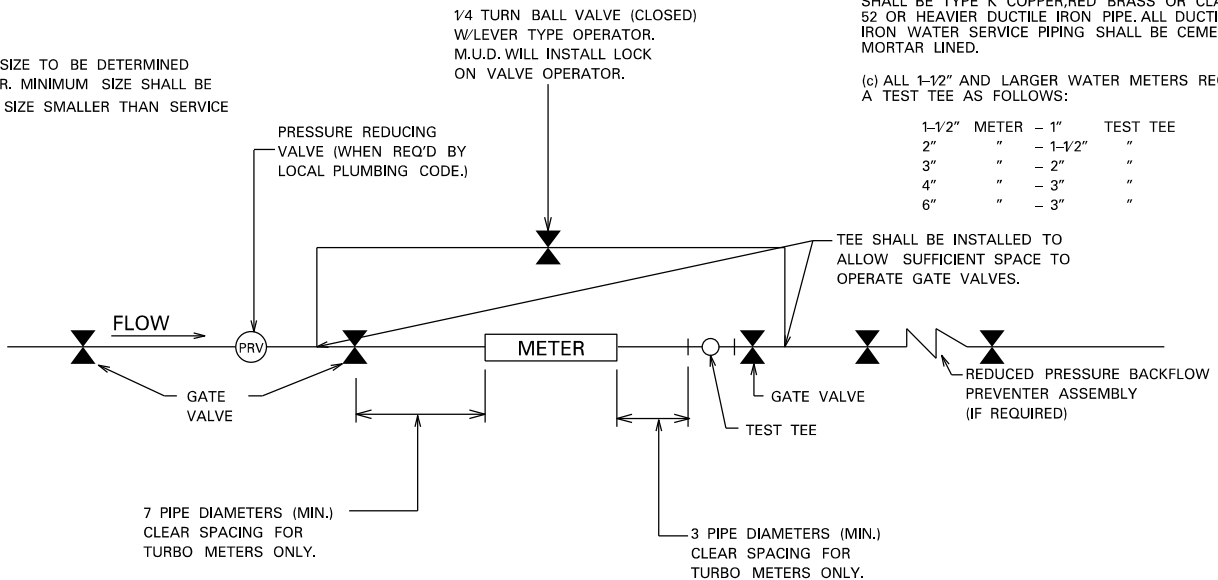
(a) ALL WATER SERVICES OF 3/4" THROUGH 1-1/4" DIA. SHALL BE TYPE K COPPER TUBING (EXCEPT THAT PORTION OF THE SERVICE FROM THE FIRST VALVE INSIDE THE BUILDING TO THE FIRST VALVE DOWNSTREAM OF THE METER WHICH SHALL BE TYPE K, L OR M COPPER TUBING).

(b) ALL WATER SERVICES OF 1-1/2" DIA. & LARGER SHALL BE TYPE K COPPER, RED BRASS OR CLASS 52 OR HEAVIER DUCTILE IRON PIPE. ALL DUCTILE IRON WATER SERVICE PIPING SHALL BE CEMENT MORTAR LINED.

(c) ALL 1-1/2" AND LARGER WATER METERS REQUIRE A TEST TEE AS FOLLOWS:

1-1/2"	METER - 1"	TEST TEE
2"	" - 1-1/2"	"
3"	" - 2"	"
4"	" - 3"	"
6"	" - 3"	"

BY-PASS SIZE TO BE DETERMINED BY OWNER. MINIMUM SIZE SHALL BE ONE PIPE SIZE SMALLER THAN SERVICE SIZE.



NOTES:

1. BY-PASS MUST BE INSTALLED TO ALLOW MIN. 18" CLEAR SPACING AROUND METER AS DESCRIBED IN WATER RULES & REGULATIONS.
2. A 12" CONDUIT SHALL BE INSTALLED THROUGH THE WALL FOR REMOTE READING DEVICE, AS REQUIRED IN THE WATER RULES & REGULATIONS.

	SCALE NO SCALE	REVISIONS 10/10/91 BDC	10/27/09 JWB
	DRAWN BY S.A.M.	11/10/93 DLW	
	DATE 10-24-94	6-27-94 DLW	
	DESCRIPTION METER BY-PASS FOR 1-1/2" & LARGER METERS	REVISED BY 10-24-94 DLW	
	CHECKED BY 11-11-98 JWB		
	APPROVED BY	PAGE NO. 1 OF 1	FILE NO. 416148

INSTALLATION OF METER & METER BY-PASS SUBJECT TO ALL M.U.D. WATER RULES & REGULATIONS.