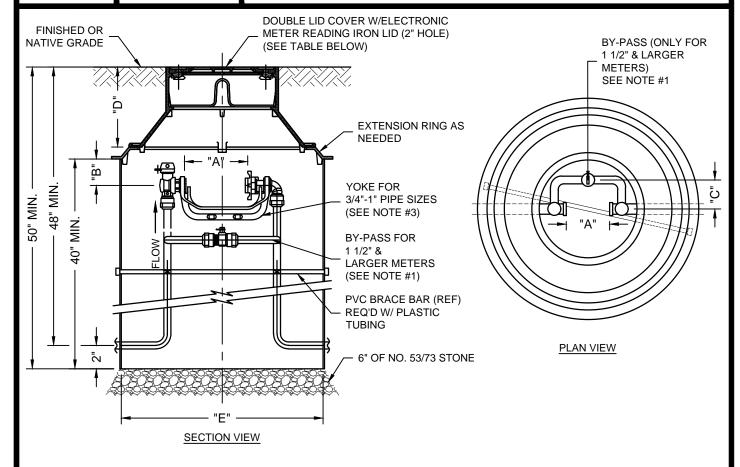


City Utilities Design Standards Manual

## FORD TYPE PIT INSTALLATION FOR POSITIVE DISPLACEMENT, STANDARD METERS (SIZES 5/8", 5/8" X 3/4", 3/4", 1", 1 1/2", & 2")

Created: January 1, 2002 Revised: May 22, 2020

Scale: N.T.S.



- "A" = SPACE REQUIRED FOR METER FROM FACE OF FLANGES OR FOR METER YOKE
- "B" = DISTANCE FROM € OF PIPING TO TOP OF PIT CASING
- "C" = DISTANCE FROM € OF PIPING TO € OF BY-PASS
- "D" = METER COVER HEIGHT
- "E" = METER PIT INSIDE DIAMETER

NORMAL PIPE SIZE	METER SIZE	METER COVER MODEL	"A"	"B"	"C"	"D"	"E"
3/4"	5/8"	W3-T	7 1/2"	4"-5" MIN.	4"-5" MAX.	9 1/2"	20"
3/4"	5/8" X 3/4"	W3-T	7 1/2"	4"-5" MIN.	4"-5" MAX.	9 1/2"	20"
3/4"	3/4"	W4-T	9 1/2"	4"-5" MIN.	4"-5" MAX.	12"	24"
1"	1"	W4-T	11"	4"-5" MIN.	4"-5" MAX.	12"	24"
1 1/2"	1 1/2"	MC-36-MB	13 1/4" MIN. 13 3/8" MAX.	14"-15" MIN.	6"-7" MAX.	8"	36"
2"	2"	MC-36-MB	17 1/4" MIN. 17 3/8" MAX.	14"-15" MIN.	6"-7" MAX.	8"	36"

## NOTES:

- 1. ALL INSTALLATIONS 1 1/2" AND LARGER SHALL BE EQUIPPED WITH INLET, OUTLET, AND BY-PASS VALVES WITH THE EXCEPTION OF METERS DEDICATED EXCLUSIVELY TO IRRIGATION. IRRIGATION METERS SHALL HAVE INLET AND OUTLET VALVES IN THE PIT.
- 2. ALL METER SPACES (SPACE "A") SHALL BE CENTERED WITH PIT LID OPENINGS
- 3. ALL 3/4" 1" PIPE SIZÈS SHALL BÉ EQUIPPED WITH METER YOKES AND CORRESPONDING SIZES OF STANDARD EXPANSION WHEELS
- 4. ALL 1 1/2" 2" PIPE SIZES SHALL BE WITH TWO-BOLT FLANGES.
- 5. BY-PASS SHALL BE LOCATED TO EITHER SIDE OF METER ONLY AND MAY BE ONE SIZE SMALLER THAN MAIN LINE.
- 6. METER COVER LIDS SHALL EMPLOY PENTAGON NUT TO OPEN AND CLOSE LID.
- 7. ALL METER PITS SHALL BE EQUIPPED WITH A FORD FROST-PROOF LID (SEE TABLE) OR APPROVED EQUAL.
- 8. THE TYPE OF METER FOR 2" METERS SHALL BE DETERMINED BY UTILITY.
- 9. NO METER PITS SHALL BE INSTALLED IN STREETS, PARKING LOTS, DRIVEWAYS OR ANY AREA WHERE VEHICULAR TRAFFIC MAY OCCUR WITHOUT PRIOR APPROVAL BY THE UTILITY.