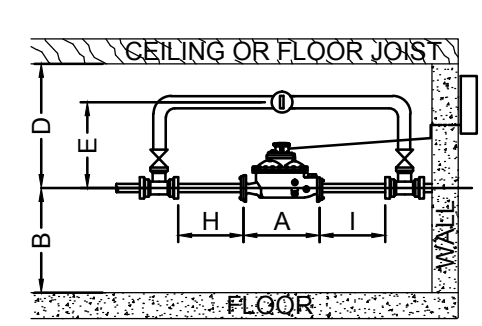
City Utilities
Design Standards
Manual

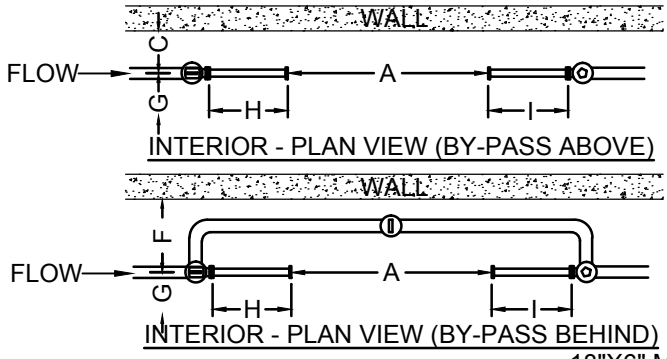
EXHIBIT W6-3
STANDARD COMPOUND AND TURBO WATER METER SPACING
(SIZES 1 1/2", 2", 3", 4", 6",8",10")

Created: January 1, 2002 Revised: December 11, 2017

Scale: N.T.S.

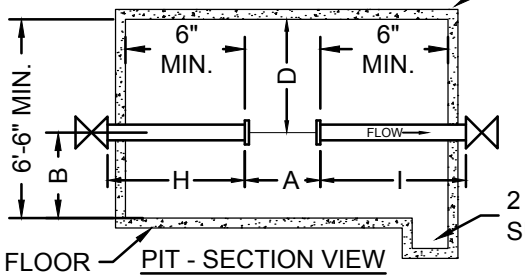


INTERIOR - SECTION VIEW

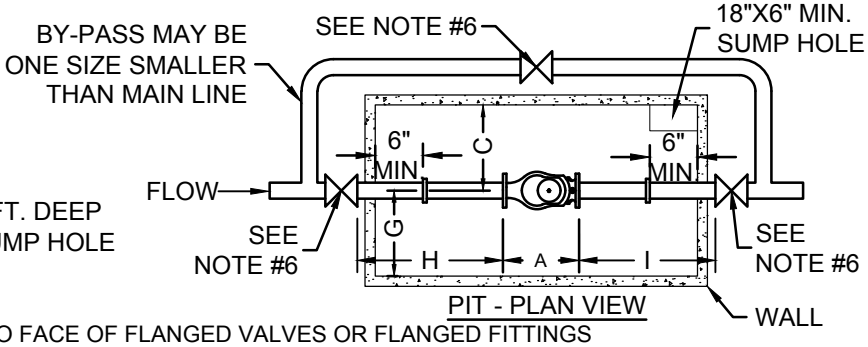


INTERIOR - PLAN VIEW (BY-PASS ABOVE)

INTERIOR - PLAN VIEW (BY-PASS BEHIND)



PIT - SECTION VIEW



PIT - PLAN VIEW

A = MINIMUM AND MAXIMUM DISTANCE FACE TO FACE OF FLANGED VALVES OR FLANGED FITTINGS
B = MINIMUM AND MAXIMUM DISTANCE FROM ℄ OF PIPING TO FLOOR OR OBSTRUCTION BELOW METER.
C = MINIMUM DISTANCE FROM ℄ OF PIPING TO WALL OR OBSTRUCTION BEHIND METER, WHEN BY-PASS IS INSTALLED ABOVE METER.
D = MINIMUM DISTANCE FROM ℄ OF PIPING TO CEILING OR PERMANENT OBSTRUCTION ABOVE METER.
E = MINIMUM DISTANCE FROM ℄ OF PIPING TO ℄ OF BY-PASS, WHEN BY-PASS IS INSTALLED ABOVE METER.
F = MINIMUM DISTANCE FROM ℄ OF PIPING TO WALL, WHEN BY-PASS IS INSTALLED BEHIND METER.
G = MINIMUM DISTANCE FROM ℄ OF PIPING TO WALL OR PERMANENT OBSTRUCTION IN FRONT OF METER.
H = MINIMUM OF FIVE TIMES THE DIAMETER OF STRAIGHT PIPE BEFORE THE METER (NOT INCLUDING THE VALVE).
I = MINIMUM OF THREE TIMES THE DIAMETER OF STRAIGHT PIPE AFTER THE METER (NOT INCLUDING THE VALVE).

Pipe Size	Meter Size	A		B		C	D	E*	F*	G	H	I
1 1/2"	1 1/2" Turbo	13 1/4" MIN.	13 3/8" MAX	15" MIN.	45" MAX	11 1/2"	32"	21"	12"	30"	7 1/2"	4 1/2"
2"	2" Turbo	10 1/4" MIN.	10 3/8" MAX	15" MIN.	34" MAX	12"	39"	28"	13"	30"	10"	6"
2"	2" Compound	15 1/2" MIN.	15 5/8" MAX	15" MIN.	34" MAX	12"	39"	28"	13"	30"	10"	6"
3"	3" Turbo	12 1/4" MIN.	12 3/8" MAX	16" MIN.	32" MAX	11 1/2"	42"	31"	13 1/2"	30"	15"	9"
3"	3" Compound	17 1/4" MIN.	17 3/8" MAX	16" MIN.	32" MAX	11 1/2"	42"	31"	13 1/2"	30"	15"	9"
4"	4" Turbo	14 1/4" MIN.	14 3/8" MAX	17" MIN.	31" MAX	12 1/2"	38"	28"	14"	30"	20"	12"
6"	6" Turbo	18 1/4" MIN.	18 3/8" MAX	18" MIN.	29" MAX	14 1/2"	42"	32"	16 1/2"	32"	30"	18"
8"	8" Turbo	20 1/4" MIN.	20 3/8" MAX	20" MIN.	29" MAX	16 1/2"	47"	38"			40"	24"
10"	10" Turbo	18 1/4" MIN.	18 3/8" MAX	22" MIN.	28" MAX	19 1/2"	51"	43"			50"	30"

* APPLIES ONLY WHEN METER INSIDE BUILDING

NOTES:

1. NO OBSTRUCTION SHALL BE PLACED IN FRONT OF METER WHICH CANNOT BE READILY MOVED FOR READING, REPAIR OR REPLACEMENT OF METER.
2. ALL METERS SHALL BE INSTALLED IN A HORIZONTAL POSITION.
3. METER SHALL BE LOCATED SUCH THAT IT WILL NOT BE SUBJECTED TO FREEZING OR EXCESSIVE HEAT.
4. METER PIT OPENING TO BE CENTERED AT EQUAL DISTANCE BETWEEN FACE OF FLANGES, VALVES, FITTINGS OR ADAPTER WITH FEMALE I.P. THREADS AND CENTERED LONGITUDINALLY OVER METER.
5. METER PIT LIDS SHALL BE EQUIPPED WITH LOCKING ARM DEVICES TO HOLD LID IN UPRIGHT OR OPEN POSITION WITH THE EXCEPTION OF FORD METER BOXES.
6. ALL VALVES 3" AND LARGER SHALL BE GATE VALVES. GATE OR BALL VALVES MAY BE USED FOR 1 1/2" AND 2" METERS.
7. ALL 3" AND LARGER METERS IN PITS SHALL HAVE INLET, OUTLET AND BY PASS VALVES LOCATED OUTSIDE OF THE METER PITS, WITH BYPASS VALVE CENTERED AT EQUAL DISTANCE BETWEEN INLET AND OUTLET VALVES. ALL VALVES SHALL OPEN CLOCKWISE.
8. SUMP HOLE SHALL BE LOCATED AT ANY CORNER OF THE PIT ONLY.
9. METER PITS SHALL NOT BE INSTALLED IN STREETS, PARKING LOTS, DRIVEWAYS OR ANY AREA WHERE VEHICULAR TRAFFIC MAY OCCUR WITHOUT PRIOR APPROVAL OF THE UTILITY.
10. A RECTANGULAR PIT IS SHOWN FOR ILLUSTRATIVE PURPOSES AND SHALL NOT PRECLUDE THE OPTIMAL USE OF A PRE-CAST ROUND PIT OF ADEQUATE INSIDE DIMENSION TO PROVIDE REQUIRED CLEARANCES.
11. NO ELECTRICAL OUTLET, CONDUIT, LIGHT FIXTURE, PUMP OR ANY OTHER ELECTRICAL APPARATUS SHALL BE INTRODUCED INTO A METER PIT.