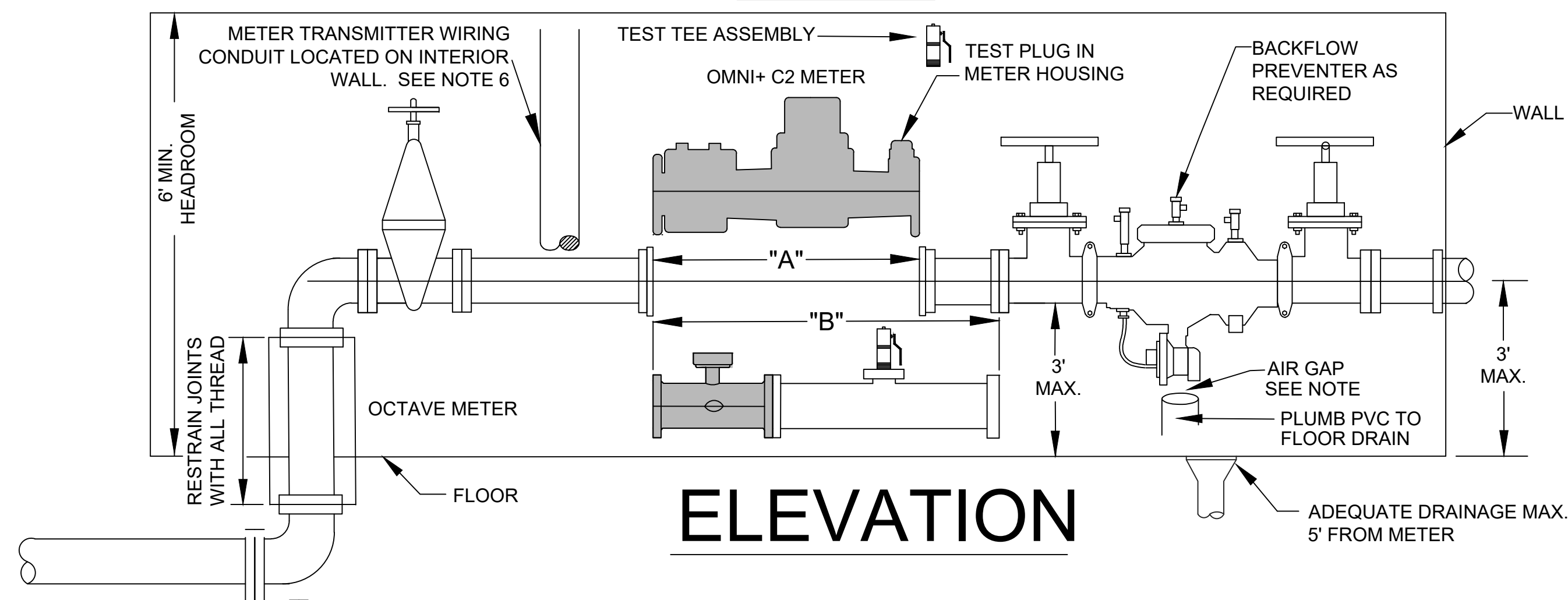


PLAN



ELEVATION

**OMNI+ C2 METER CHART
(DOMESTIC & IRRIGATION USE)**

METER SIZE	METER LENGTH "A" (INCLUDES BUILT IN TEST PORT)	MAX CONTINUOUS FLOW RATE
3"	17"	400 GPM
4"	20"	800 GPM
6"	24"	1600 GPM
8"	30-1/8"	2700 GPM
10"	41-1/8"	4000 GPM

**OCTAVE METER CHART
(FIRE OR FIRE & DOMESTIC COMBO USE)**

METER SIZE	METER AND TEST TEE SPOOL LENGTH COMPLETE "B"	MAX CONTINUOUS FLOW RATE
3"	22-7/8"	500 GPM
4"	32-7/8"	1000 GPM
6"	44-7/8"	1600 GPM
8"	52-7/8"	2800 GPM
10"	67-5/8"	5500 GPM
12"	67-5/8"	5500 GPM

ALLOW ADDITIONAL LENGTH FOR STANDARD GASKETS PER JOINT.

SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION

TEST ASSEMBLY CONSISTS OF A BRASS NIPPLE, BALL VALVE WITH PLUGGED VERTICAL UP OUTLET.

NOTES:

- METER SETTINGS SHALL BE DUCTILE IRON WITH FLANGED FITTINGS.
- WHEN JOINING DISSIMILAR METALS, AN AWSB APPROVED BRASS TRANSITION FITTING OR AN APPROVED ELECTROLYSIS INSULATED FLANGE IS REQUIRED.
- WOOD BLOCKING IS PROHIBITED UNDER METER ASSEMBLY.
- FOR OMNI+ C2 & OCTAVE METERS A TEST TEE ASSEMBLY WILL BE PROVIDED BY AWSB WITH THE OWNERS PURCHASE OF METER. CONTRACTOR MUST REMOVE PLUG AND INSTALL TEST ASSEMBLY IN METER HOUSING. OCTAVE METER INCLUDING TEST TEE ASSEMBLY SUPPLIED BY AWSB AND PURCHASED BY OWNER.
- AN AIR GAP MUST BE MAINTAINED BETWEEN THE REDUCED PRESSURE ZONE BACKFLOW PREVENTER RELIEF VALVE OPENING AND ANY DISCHARGE PIPING. THE AIR GAP MUST BE AT LEAST TWICE THE DIMENSION OF THE SUPPLY PIPE, BUT NEVER LESS THAN 1 INCH.
- PROVIDE A 1/2" CONDUIT RUN FROM WITHIN 1 FOOT OF THE WATER METER SETTING, EXTENDING TO AN OUTSIDE WALL, PENETRATING THE WALL A MIN. 3 FEET ABOVE THE OUTSIDE GRADE. THE CONDUIT RUN SHALL NOT EXCEED 100 FEET IN LENGTH. COORDINATE LOCATION WITH AKRON WATER SUPPLY BUREAU.

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE
WATER SUPPLY BUREAU

STANDARD LARGE METER INSTALLATIONS

REV. DECEMBER 13, 2023

RAJL
UTILITIES ENGINEER

STANDARD CONSTRUCTION
DRAWING NO.

M-4.0