



ELEVATION VIEW

NOTES:

1. TYPE "L" OR "K" COPPER PIPE WITH SOLDER, PRESS, OR SCREW FITTINGS WITH A BRASS NIPPLE AND 2 BOLT OVAL COMPANION FLANGE.
2. WHEN JOINING DISSIMILAR METALS AN AKRON WATER SUPPLY BUREAU (AWSB) APPROVED BRASS TRANSITION FITTING OR AN ELECTROLYSIS INSULATED FLANGE IS REQUIRED.
3. THE METER WILL BE SUPPLIED BY THE AWSB AND PURCHASED BY OWNER.
4. AN AIR GAP MUST BE MAINTAINED BETWEEN THE RPZ 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.
5. OVAL COMPANION FLANGES SHALL ADHERE TO AWWA STANDARD C701, SECTION 4.3.4
6. 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.

SENSUS OMNI+ C2 METER CHART				
METER SIZE	METER LENGTH	TEST PLUG & ASSEMBLY SIZE	METER WEIGHT	MAX. FLOW RATE
1 1/2"	13"	1"	18.8 LBS	160 GPM
2"	17"	1"	25.4 LBS	160 GPM

* ALLOW ADDITIONAL LENGTH FOR STANDARD GASKET PER JOINT.

EMERGENCY BYPASS:

IF A EMERGENCY BYPASS IS DESIRED, THEN A PARALLEL METER MUST BE INSTALLED ACCORDING TO AWSB SPECIFICATIONS.

MINIMUM AREA REQUIRED FOR METER SETTING - 4'W x 6'L x 6'H

PROVIDE AN 18" CLEARANCE FROM THE EDGE OF PIPE TO THE WALL OF THE HOTBOX OR BUILDING.

CONTRACTOR MUST REMOVE PLUG AND INSTALL TEST ASSEMBLY IN METER HOUSING - PROVIDED BY AWSB (NIPPLE AND BALL VALVE WITH PLUGGED VERTICAL OUTLET) AND PURCHASED BY OWNER.

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE
WATER SUPPLY BUREAU

STANDARD METER SETTING 1-1/2" AND 2"
METERS

REV. DECEMBER 13, 2023

AKRON WATER SUPPLY BUREAU STANDARD DRAWINGS FOUND ONLINE AT
<http://www.akronohio.gov/water>

RAJL
UTILITIES ENGINEER

STANDARD CONSTRUCTION
DRAWING NO.

M-3.0