



NOTE: ALL VALVES WITHIN METER AND BACKFLOW ASSEMBLIES SHALL BE RISING STEM GATE VALVE (RESILIENT SEATED) OR GROOVED END BUTTERFLY VALVE WITH INDICATOR.

NOTE: OPTIONAL EMERGENCY BYPASS MUST BE INSTALLED PER AKRON WATER SUPPLY BUREAU (AWSB) SPECIFICATIONS WITH PARALLEL METER AND VALVES.

- NOTES:
1. 4" AND LARGER PIPE SHALL BE DI WITH FLANGED FITTINGS.
 2. FIRE SUPPRESSION SYSTEM SHALL BE ALL WATER-NO ADDITIVES.
 3. 1-FOOT WALL CLEARANCE FROM ALL PIPING, FITTING, & ASSEMBLIES.
 4. DISTANCE A.F.F. OF METER & BACKFLOW ASSEMBLIES NOT TO EXCEED 3'-0".
 5. 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.
 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

WATER ENTRY DETAIL

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE
WATER SUPPLY BUREAU

STANDARD FIRE AND DOMESTIC MANIFOLD
SETTING - CONVENTIONAL INSTALLATION

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-5.0