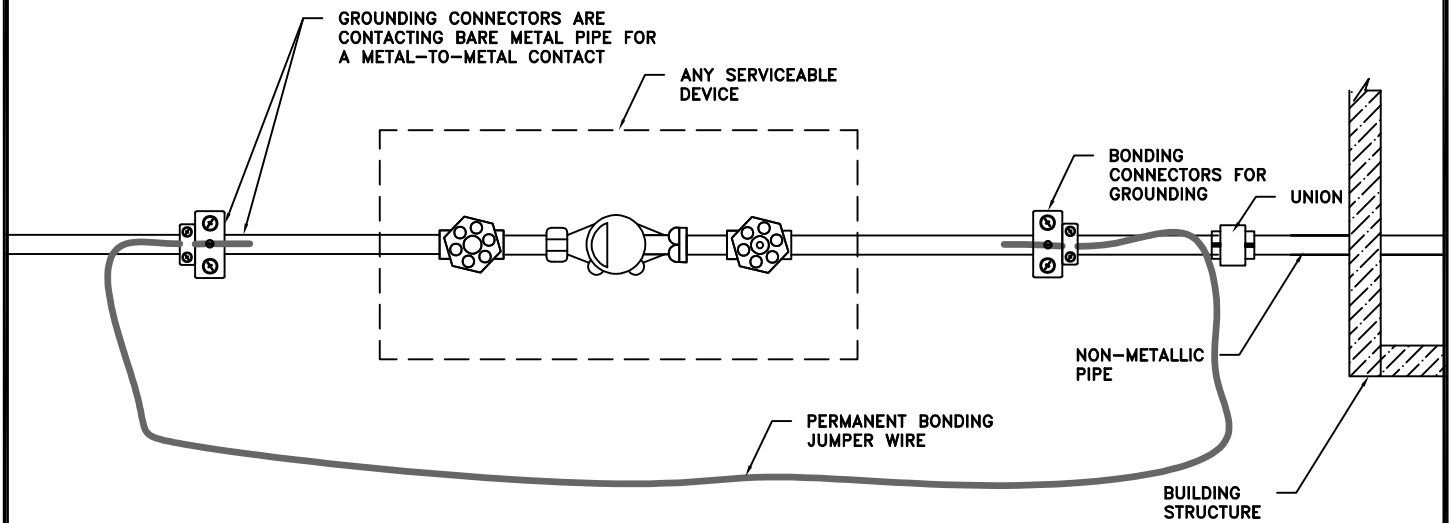


TEMPORARY GROUNDING SETUP



PERMANENT GROUNDING SETUP

## ELECTRICAL SAFETY

**NOTES:**

1. PROTECTION AGAINST ELECTRICAL EXPOSURES IS NEEDED DURING WATER METER AND SERVICE LINE ACTIVITIES, AND CERTAIN WATER MAIN EXCAVATIONS WHERE THE WORKSITE IS A KNOWN ELECTRICAL HAZARD.
2. SERVICEABLE DEVICES SHALL INCLUDE ANY DEVICE THAT MAY BE REMOVED FOR REPAIR OR MAINTENANCE, SUCH AS METERS, BACKFLOW DEVICES, VALVES, ETC.
3. IF THE ENTIRE SERVICE LINE IS BEING REPLACED, DETERMINATION SHALL BE MADE IF THE EXISTING LINES SERVES AS A PERMANENT GROUND FOR THE BUILDING OR STRUCTURE. INSTALL A NEW PERMANENT ELECTRICAL GROUND PRIOR TO SERVICE LINE REPLACEMENT, IF NECESSARY
4. IF PERMANENT BONDING JUMPER IS NOT ALREADY INSTALLED, OR NEEDS REPLACEMENT, THEN THE APPROVED TEMPORARY JUMPER MUST BE INSTALLED ACROSS THE DEVICE.
5. PERMANENT BONDING JUMPER WIRE SIZE:
  - INSTALL #2 AWG COPPER WIRE FOR ALL SERVICES UP TO, AND INCLUDING 350 AMPS.
  - INSTALL #1/0 AWG COPPER WIRE FOR ALL SERVICES LARGER THAN 350 AMPS.
  - INSTALL #1/0 AWG COPPER WIRE IF THE SERVICE AMPERAGE CANNOT BE VERIFIED.

| REVISIONS |
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| <b>AMERICAN WATER MILITARY SERVICES GROUP<br/>CIVIL<br/>ELECTRICAL SAFETY<br/>DETAIL</b> |  |   |
| AMERICAN WATER MILITARY SERVICES GROUP<br>CAMDEN, NJ 08102                               |  |   |
| AMERICAN WATER M.S.G.<br>1 WATER STREET<br>CAMDEN, NJ 08102                              |  <b>AMERICAN WATER.</b> | DRAWN BY PDK<br>PROJECT ENG'R PDK<br>APPROVED           |
| DATE 12-2-2022<br>PROJECT N/A  | USE DIMENSIONS ONLY<br>SCALE N.T.S.  | USE APPROVED DRAWINGS ONLY<br>FOR CONSTRUCTION PURPOSES |
|  |  | <b>MSG-ST-04</b>  |