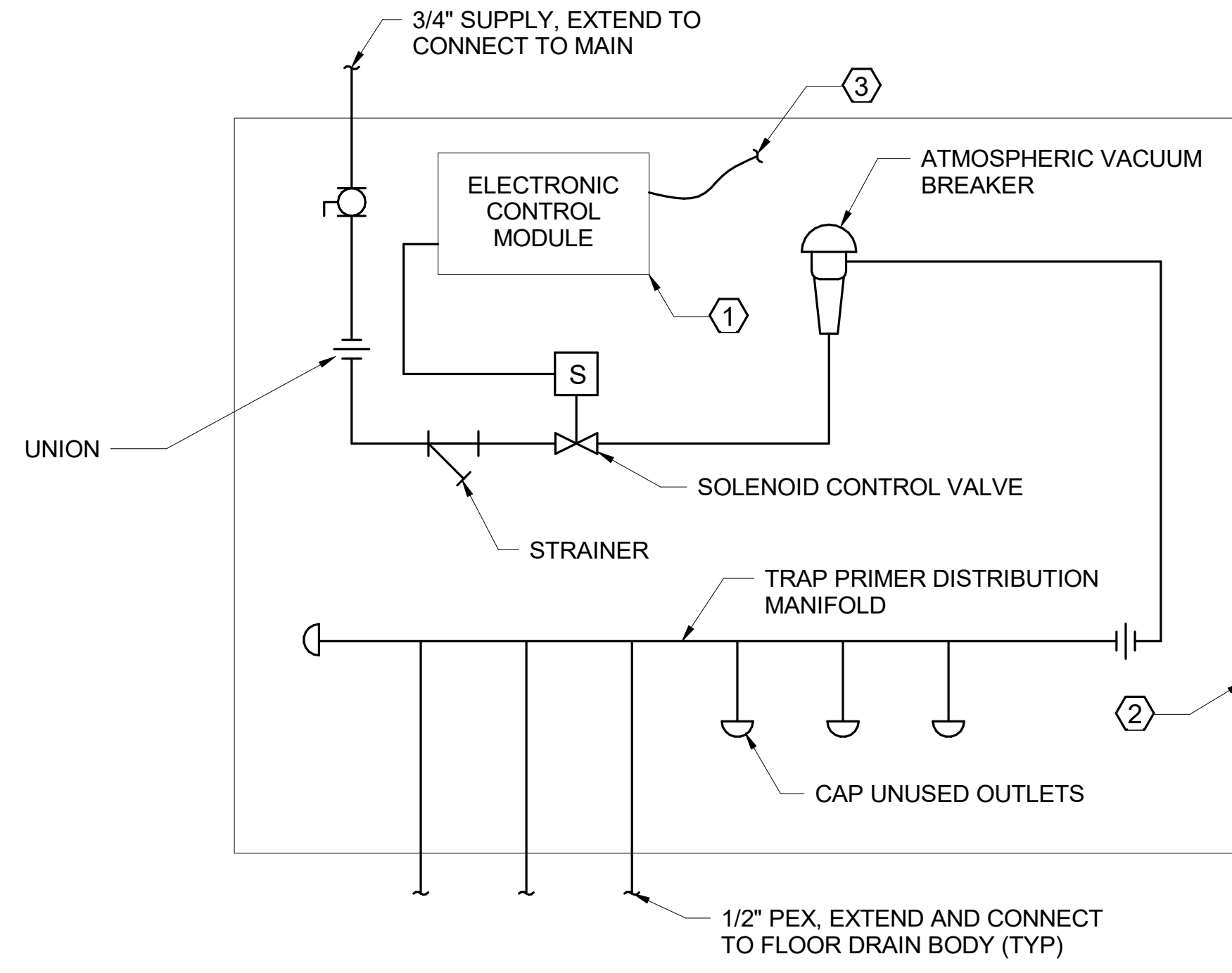
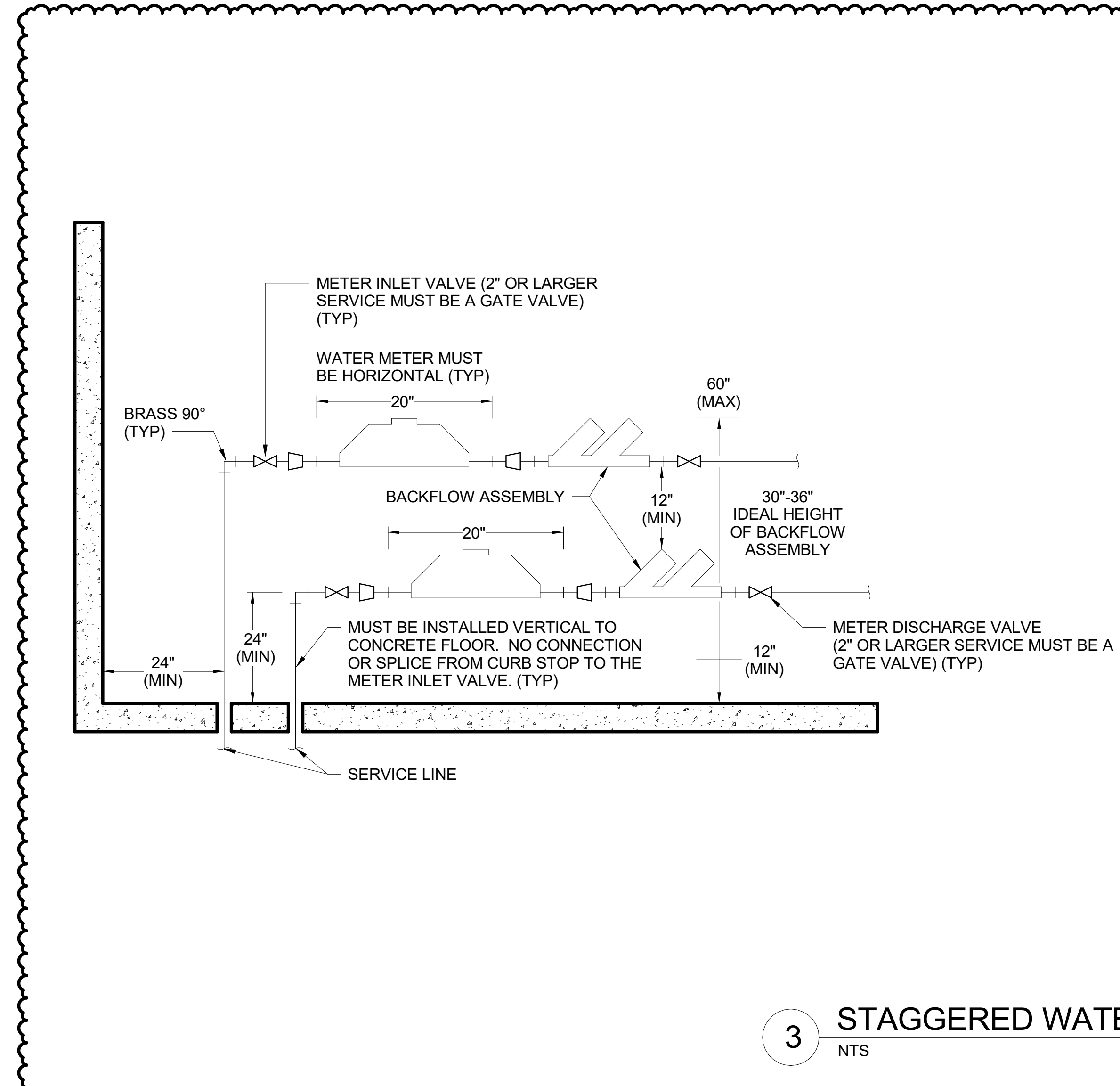


1 GAS-FIRED WATER HEATER WITH MIXING VALVE
NTS



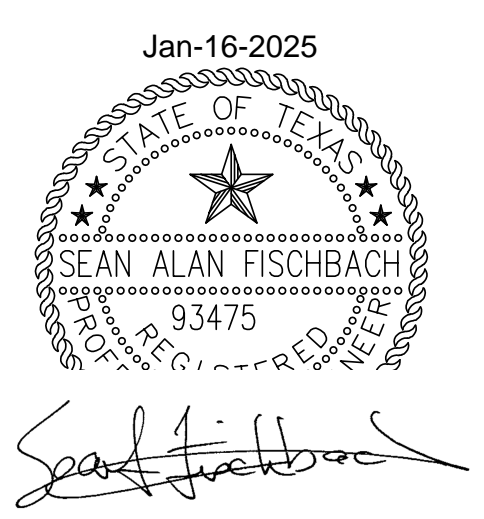
2 ELECTRONIC TRAP PRIMER
NTS

- NOTES:**
- INSTALL TRAP PRIMER ASSEMBLY A MINIMUM OF 12" ABOVE FLOOR RIM ELEVATION OF HIGHEST DRAIN CONNECTED.
 - EACH OUTLET SHALL BE CONNECTED ONLY TO ONE FLOOR DRAIN OR FLOOR SINK.
 - TRAP PRIMER DISTRIBUTION PIPING SHALL BE BUBBLE TIGHT AND SEALED.
- KEYED NOTES:**
- PROGRAM CONTROL MODULE TO OPEN SOLENOID CONTROL VALVE AT MANUFACTURER'S RECOMMENDED FREQUENCY AND DURATION.
 - GALVANIZED WALL BOX AND COVER PROVIDED BY TRAP PRIMER MANUFACTURER.
 - POWER CONNECTION, PROVIDED BY OTHERS.



3 STAGGERED WATER METER & BACKFLOW ASSEMBLY
NTS

- NOTES:**
- BACKFLOW:**
- ALL ASSEMBLIES SHALL BE INSTALLED A MINIMUM OF 12 INCHES ABOVE THE FLOOR, FROM THE LOWEST POINT OF THE ASSEMBLY, AND LESS THAN 60 INCHES ABOVE THE FLOOR FROM THE HIGHEST POINT OF THE ASSEMBLY. (30"-60" IDEAL HEIGHT OF ASSEMBLY)
 - A MINIMUM OF 12 INCHES OF CLEAR SPACE SHALL BE MAINTAINED ABOVE EACH ASSEMBLY TO ALLOW FOR SERVICING CHECK VALVES AND FOR OPERATION OF SHUT-OFF VALVES. MORE DISTANCE WILL BE REQUIRED FOR LARGER ASSEMBLIES.
 - A MINIMUM OF 30 INCHES OF CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE FRONT SIDE OF EACH ASSEMBLY AND THE NEAREST WALL OR OBSTRUCTION. MORE DISTANCE WILL BE REQUIRED FOR LARGER ASSEMBLIES.
 - AT LEAST 12 INCHES CLEARANCE SHALL BE MAINTAINED FROM THE TEST COCKS OF EACH ASSEMBLY TO THE NEAREST WALL OR OBSTRUCTION.
 - CONTAINMENT BACKFLOW PREVENTERS MUST BE INSTALLED IMMEDIATELY FOLLOWING THE WATER METER (OR AS CLOSE TO AS POSSIBLE) AND BEFORE ANY BRANCH PIPING. PRVs MUST BE INSTALLED AFTER METER AND BACKFLOW.
 - ASSEMBLIES MUST NOT BE INSTALLED DIRECTLY ABOVE, OR WHERE THEIR OPERATION, TESTING AND MAINTENANCE MAY RESULT IN DAMAGE TO THE WATER METER. (UNLESS OTHERWISE APPROVED IN WRITING BY THE WATER DIVISION)
 - MULTIPLE ASSEMBLIES INSTALLED IN A MANIFOLD OR PARALLEL MANNER SHALL NOT BE INSTALLED ONE DIRECTLY OVER ANOTHER. MULTIPLE ASSEMBLIES MUST BE SIDE BY SIDE, STAGGERED, OR AT A 45 DEGREE ANGLE AND COMPLY WITH ALL OF THE REQUIREMENTS IN THIS SECTION. (UNLESS OTHERWISE APPROVED IN WRITING BY THE WATER DIVISION.)
 - SHUT OFF VALVES ON A BACKFLOW ASSEMBLY FROM THE FACTORY ARE AN INTEGRAL PART OF THE ASSEMBLY AND FACTOR INTO THE ASSEMBLIES' APPROVAL. THESE SHUT OFFS DO NOT REPLACE, AND SHOULD NOT BE DESIGNED OR INSTALLED TO BE USED AS, THE SHUT OFF FOR THE SERVICE LINE TO MAKE REPAIRS OR FOR MAINTENANCE. AN APPROVED, SEPARATE SHUT OFF MUST BE USED IN CONJUNCTION WITH THE ASSEMBLY.
- METERS:**
- WITHOUT PRIOR JUSTIFICATION AND APPROVAL BY THE SIOUX FALLS WATER DIVISION, WATER METERS WILL NO LONGER BE INSTALLED IN MANHOLES OR PITS.
 - ALL METERS AND PIPING MUST BE SUPPORTED.
 - NO GALVANIZED OR STEEL MATERIALS BETWEEN THE METER INLET VALVE, WATER METER AND CONTAINMENT BACKFLOW PREVENTER. ALL FITTINGS AND NIPPLES MUST BE BRASS OR COPPER AND MUST BE THREADED, NOT SOLDERED.
 - MUST MAINTAIN 30" OF CLEARANCE IN FRONT OF METER.
 - MTU WILL BE WIRED TO METER FOR REMOTE READING.
 - IRRIGATION METERS WILL BE TEE'D BEFORE THE DOMESTIC METER (NO SEWER CHARGE).
- THE WATER DIVISION MUST BE CALLED TO HAVE THE WATER METER SET ONCE ALL CONSTRUCTION ACTIVITIES AND ALL PIPING, INCLUDING BOTH INLET AND OUTLET SIDES OF THE WATER METER, IS FINISHED.



<p>1 Addendum 1 08-09-2024</p> <p>2 Addendum 2 09-12-2024</p> <p>3 Addendum 3 01-17-2025</p>	<p>CONSULTANT</p> <p>BURNS & McDONNELL</p> <p>Burns & McDonnell Engineering Company, Inc. 9450 WARD PARKWAY, KANSAS CITY, MO</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>paradigm</p> <p>Architecture Engineering Design-Build 200 Envoy Circle, Suite 201, Louisville, KY 40299 www.paradigmusa.com</p>	<p>STAMP</p> <p>Office of Construction and Facilities Management</p> <p>U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>PLUMBING DETAILS</p> <p>Approved: Project Director</p>	<p>Phase</p> <p>100% CONSTRUCTION DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>SIOUX FALLS BOILER PLANT</p> <p>Location</p> <p>VAMC-Sioux Falls: 2501 W 22nd St, Sioux Falls, SD 57105</p> <p>Issue Date</p> <p>06/25/2024</p> <p>Checked</p> <p>S. FISCHBACH</p> <p>Drawn</p> <p>J. YOUNG</p>	<p>Project Number</p> <p>438-22-900</p> <p>Building Number</p> <p>12</p> <p>Drawing Number</p> <p>PL501</p>
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