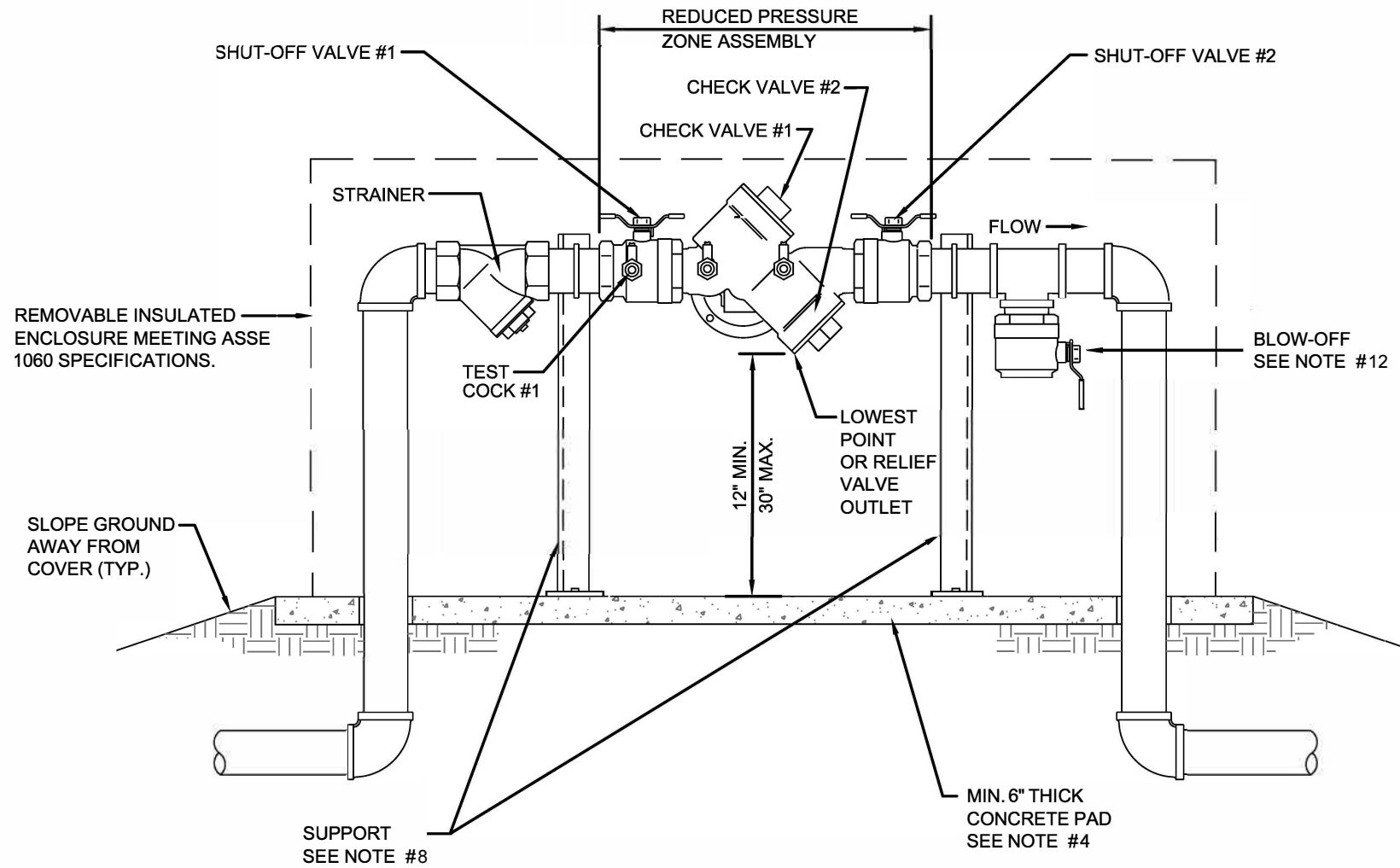


REDUCED PRESSURE ZONE ASSEMBLY OUTDOOR



NOTES:

1. REDUCED PRESSURE ZONE ASSEMBLY (RPZA), SIZE, MAKE, MODEL AND INSTALLATION ORIENTATION APPROVED BY USC FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH. RPZA INSTALLED ON DOMESTIC WATER SERVICE MUST BE LEAD FREE.
2. ASSEMBLY MUST BE INSTALLED ABOVE GROUND IN HEATED ENCLOSURE. ENCLOSURE AND HEATER CERTIFIED TO AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARD 1060, CLASS I (FREEZE PROTECTION). ASSE 1060 CLASS II IS NON HEATED. IRRIGATION WATER SERVICES, HEATING OPTIONAL IF ASSEMBLY DRAINED DURING COLD MONTHS.
3. ELECTRICAL WIRING FOR HEATING MUST BE IN CONDUIT THROUGH THE CONCRETE PAD. GFI PROTECTED ELECTRICAL OUTLET. HEATER OR THERMOSTATICALLY CONTROLLED SELF-REGULATING HEATING CABLE MUST BE OF TYPE AND SIZE AS RECOMMENDED BY ENCLOSURE MANUFACTURER. HEATERS MUST BE MOUNTED ABOVE ASSEMBLY ON STATIONARY WALL.
4. ASSEMBLY ENCLOSURE MUST BE AFFIXED TO 6-INCH THICK CONCRETE PAD OF 3,000 PSI MIX CONCRETE WITH AT LEAST (1) LAYER OF WELDED WIRE MESH. PAD SHALL BE PITCHED TO DRAIN AT SLOPE OF 1% TOWARDS DRAIN PORT END OF VALVE ENCLOSURE. ENCLOSURE MUST SET FLUSH WITH PAD SURFACE. PAD SHALL EXTEND MINIMUM 6-INCHES BEYOND ENCLOSURE ON ALL SIDES. FOR 4-INCH AND SMALLER ASSEMBLIES 4-INCH THICK PAD MAY BE USED.
5. ASSEMBLY MUST BE INSTALLED IN A MANNER THAT PROVIDES EASY ACCESS FOR TESTING, MAINTAINING, REPAIRING AND REPLACING ASSEMBLY.
6. LOWEST POINT OF ASSEMBLY OR RELIEF VALVE OUTLET SHALL BE AT LEAST 12 INCHES BUT NOT MORE THAN 30 INCHES ABOVE CONCRETE PAD.
7. CLEAR UNOBSTRUCTED SPACE FOR THE RELIEF VENT SHALL BE PROVIDED TO PREVENT THE VENT FROM BECOMING BLOCKED OR FLOODED.
8. ADEQUATE SUPPORT, EXCLUDING WATER LINES, SHALL BE PROVIDED UNDER ASSEMBLY VALVES FOR ASSEMBLIES THAT ARE 3-INCHES OR LARGER. ADJUSTABLE PIPE STAND SUPPORTS SHALL BE CONSTRUCTED OF MINIMUM 2-INCHES DIAMETER PIPE AND SHALL HAVE A FLOOR FLANGE FOR FASTENING STAND TO CONCRETE SLAB. PIPE STANDS SHALL BE FASTENED TO CONCRETE SLAB USING CONCRETE EXPANSION ANCHORS. FOR ASSEMBLIES 10-INCHES OR LARGER THREE PIPE STAND SUPPORTS WILL BE REQUIRED. THIRD BEING UNDER CENTER OF ASSEMBLY.
9. ALL TEST COCKS SHALL BE IN PLACE WITH SHUT-OFF VALVES. ASSEMBLY MUST BE COMPLETELY TESTABLE.
10. ASSEMBLIES MUST BE INSTALLED HORIZONTALLY UNLESS VERTICAL APPLICATION IS APPROVED BY UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
11. IF NOT PART OF APPROVED ASSEMBLY, APPROVED STRAINER SHALL BE INSTALLED ON INLET SIDE OF RPZA PRIOR TO ASSEMBLY ISOLATION VALVE, SO THAT ALL WATER MUST PASS THROUGH STRAINER IMMEDIATELY BEFORE ENTERING ASSEMBLY.
12. APPROVED BLOW-OFF SHALL BE INSTALLED IN WATER LINE IMMEDIATELY AFTER ASSEMBLY, TO ALLOW FOR FLUSHING. ASSEMBLIES 2-INCH THROUGH 8-INCH SHALL HAVE BLOW-OFF NOT LESS THAN 2 INCHES IN DIAMETER. ASSEMBLIES LARGER THAN 8-INCHES SHALL HAVE MINIMUM 4-INCH BLOW-OFF. ASSEMBLIES LESS THAN 2-INCH RECOMMENDED MINIMUM DIAMETER BLOW-OFF SAME AS ASSEMBLY OR PIPE SIZE.
13. UPON COMPLETION OF INSTALLATION INSTALLER MUST CONTACT WATER UTILITIES DEPARTMENT AT (479) 494-3913 FOR SCHEDULING OF FINAL INSPECTION OF ASSEMBLY TO VERIFY CONFORMANCE TO APPROVED INSTALLATION PLANS AND DIVISION 8 OF CITY OF FORT SMITH'S CROSS-CONNECTION CONTROL PROGRAM.

NO SCALE

STANDARD NO. 1

VERSION DATE 02.07.2025

VERSION 1.0

REDUCED PRESSURE RELIEF ASSEMBLY (RPZA)
DOMESTIC & IRRIGATION WATER SERVICES (OUTDOOR)

CITY OF FORT SMITH
CROSS CONNECTION CONTROL
STANDARD DRAWINGS

