



**GENERAL NOTES:**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON (COA) STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION, LATEST EDITION.
2. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF:  
ASSE 1013, REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLY (BPA); IN A SIZE TO MATCH THAT OF THE REQUIRED METER AND/OR SERVICE PIPING, AND SHALL CONFORM TO ALL CURRENT REQUIREMENTS OF THE UNIVERSITY OF SOUTHERN CALIFORNIA, FOUNDATION FOR CROSS-CONNECTION CONTROL & HYDRAULIC RESEARCH (USC-FCCCHR).
3. ANY VARIATIONS FROM THIS DETAIL MUST BE APPROVED BY ARLINGTON WATER UTILITIES.
4. IF THIS BACKFLOW PREVENTION ASSEMBLY IS FOR CONTAINMENT, OR PREMISE ISOLATION, OWNER ACKNOWLEDGES THAT IT'S PRESENCE ON THE PROPERTY DOES NOT DIMINISH, MITIGATE, OR REMOVE OWNER'S OBLIGATIONS TO SATISFY THE 'POINT OF USE' REQUIREMENTS LAID OUT IN TITLE 30, CHAPTER 290 OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, (TCEQ) AND/OR OTHER RELEVANT GUIDELINES REQUIRED BY THE STATE OF TEXAS OR THE CITY OF ARLINGTON.
5. IT IS THE RESPONSIBILITY OF ANY PERSON WHO OWNS OR CONTROLS PROPERTY TO ELIMINATE THE POSSIBILITY OF THERMAL EXPANSION IF A CLOSED SYSTEM HAS BEEN CREATED BY THE INSTALLATION OF A BACKFLOW ASSEMBLY.

**LOCATION:**

6. ASSEMBLY SHALL BE AT LEAST 12 INCHES FROM NEAREST WALL WITH ALL TEST COCKS LOCATED ON THE AWAY-FROM-WALL SIDE OF THE ASSEMBLY, AND LOWEST POINT ON THE ASSEMBLY SHALL BE NO MORE THAN 30" INCHES ABOVE THE FINISHED FLOOR.
7. ASSEMBLY SHALL NOT BE INSTALLED IN AN AREA PRONE TO FLOODING OR FREEZING AND SHALL BE INSTALLED AS CLOSE AS PRACTICAL TO THE OUTLET SIDE OF THE METER IN THE HORIZONTAL POSITION.
8. THERE SHALL BE NO TAPS, PIPE BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPARTMENT CONNECTION POINTS, OF OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS COA-REQUIRED BPA.

**INSTALLATION:**

9. 3/4" THROUGH 2" SIZED ASSEMBLIES SHALL INCORPORATE FULL PORT QUARTER-TURN (QT) VALVE SHUTOFFS. PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN COA STANDARDS AND SPECIFICATIONS.
10. ISOLATION VALVES ARE SPECIFIC TO EACH APPROVED BPA AND NO SUBSTITUTION OF ISOLATION VALVES ARE PERMITTED.
11. SUPPORT FOR ASSEMBLY SHALL BE DESIGNED BY OWNER SUCH THAT ASSEMBLY WEIGHT DOES NOT DESTABILIZE STRUCTURAL INTEGRITY AND SHALL NOT BLOCK RELIEF VALVE ON DRAIN PORT.

**DRAINAGE:**

12. ASSEMBLY SHALL BE INSTALLED ABOVE A POSITIVE GRAVITY DRAIN WITH AIR GAP. INDOOR INSTALLATION OF RPZ's SHOULD PROVIDE FOR DRAINAGE CAPABLE OF HANDLING IN EXCESS OF THE MAXIMUM DISCHARGE RATE EXPECTED BY THE BACKFLOW ASSEMBLY MANUFACTURER.

**TESTING:**

13. EACH COA REQUIRED BACKFLOW PREVENTER MUST BE TESTED BY A COA-APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.
14. ALL RPZ-BFP ASSEMBLIES SHALL BE TESTED AT TIME OF INSTALLATION AND AT LEAST ANNUALLY THEREAFTER. A COPY OF ALL TEST AND MAINTENANCE REPORTS MUST BE FAXED TO 817-459-6626.

**MAINTENANCE:**

15. MAINTENANCE AND UPKEEP OF ALL BACKFLOW PREVENTION EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

 <b>CITY OF ARLINGTON, TEXAS</b>
<b>BF-D</b> <b>PREMISE ISOLATION</b> <b>RPZ BPA (3/4" - 2")</b>
<b>INDOOR DETAIL</b>
<b>DATE: 01/09/2018</b>