



# Backflow Assembly Plan Review Form

## External Domestic and Irrigation

Colorado Springs Utilities  
Backflow Prevention Program  
1521 S. Hancock Expressway  
Colorado Springs, CO 80903 Phone:  
(719)668-4388  
Email: [crossconnection@csu.org](mailto:crossconnection@csu.org)

Please email a copy of this form to [crossconnection@csu.org](mailto:crossconnection@csu.org) subject line BPP Plan Review with each application.

### Facility Information

Facility Name:

Facility Address:

### Contractor Contact Information:

Contractor Company:

Address:

Email:

Phone:

### Backflow Prevention Assembly Information:

New Construction (New Service)

Retrofit (Change to an existing service)

Type (RP/DC):

Size:

Make:

Model:

Orientation (i.e. H, V):

Backflow Prevention Assembly Location (provide a brief explanation of the location of the assembly in the building):

Please note that Colorado Springs Utilities requires Backflow Prevention Assemblies to be approved by the University of Southern California for Make, Model, Size and Orientation. Visit the following website for a listing of approved assemblies <http://fccchr.usc.edu/list.html>.

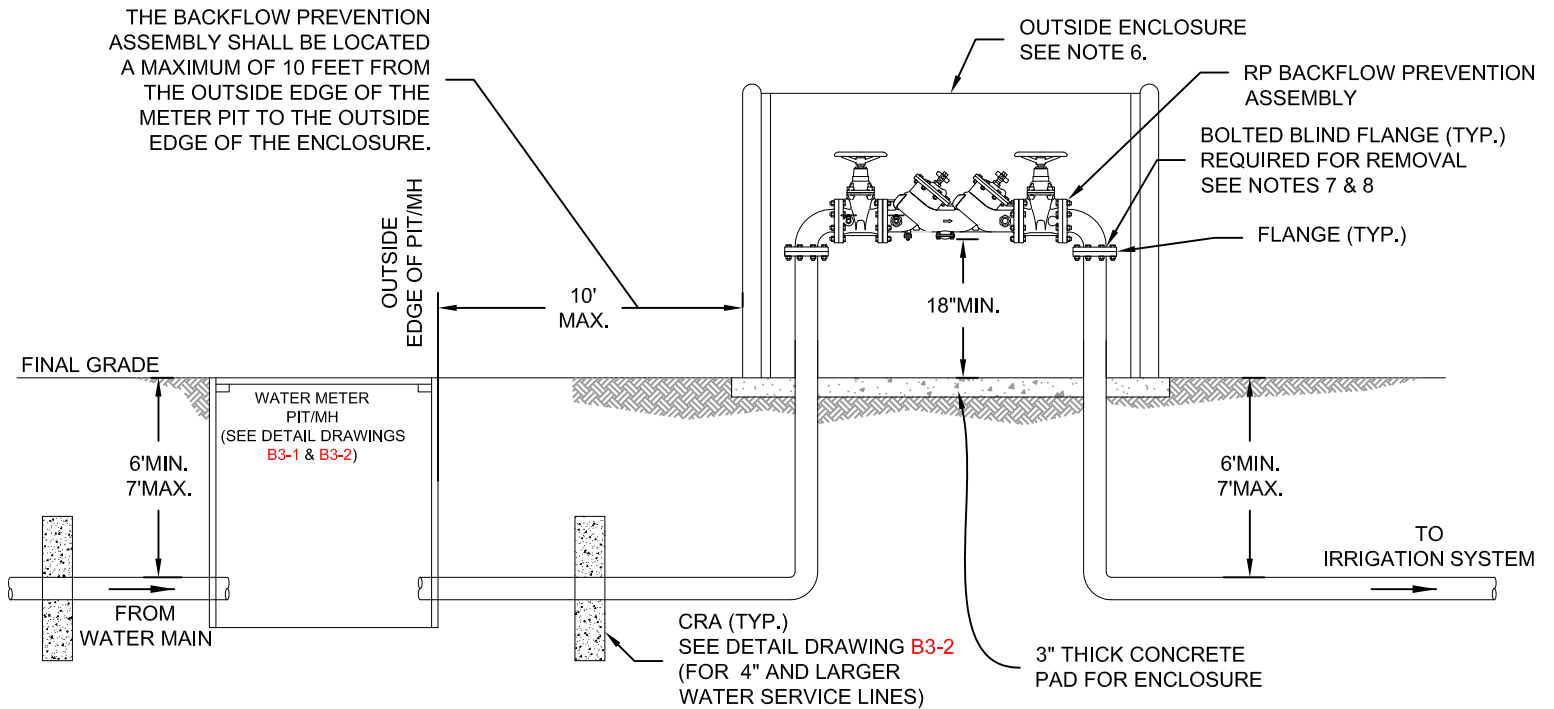
Fire suppression systems with antifreeze, foam, or other chemical additives requires a reduced pressure principle assembly be installed.

The Contractor shall notify Colorado Springs Utilities Inspections Office at 719-668-4658 a minimum of 48 hours prior to the start of construction.

All backflow prevention assemblies shall be tested by a certified Backflow Prevention Assembly Tester and results submitted to Colorado Springs Utilities within 10 days of installation of the assembly or meter.

Contact Colorado Springs Utilities Backflow Prevention Program for more information:  
719-668-4388 or [crossconnection@csu.org](mailto:crossconnection@csu.org)

**No Pro-press or sharkbite fittings allowed in meter loop.**



**NOTES:**

1. REFERENCE SECTION 2.7.L FOR BACKFLOW PREVENTION ASSEMBLY REQUIREMENTS.
2. NO DRAIN VALVES, OUTLETS OR BRANCH LINES SHALL BE LOCATED BEFORE THE APPROVED BACKFLOW PREVENTION ASSEMBLY.
3. THE APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED WITH SOLDERED OR FLANGED ONLY.
4. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE ON AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY.
5. REMOVABLE BACKFLOW PREVENTION ASSEMBLIES WILL BE EVALUATED ON A CASE BY CASE BASIS AND WILL ONLY BE APPROVED FOR SEASONAL IRRIGATION USERS.
6. SEASONAL BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED IN A LOCKABLE LID TO PROTECT FROM THEFT.
7. WHERE REMOVAL OF ASSEMBLY IS REQUESTED, FLANGES MUST BE INSTALLED ON THE IN-GROUND SUPPLY AND DISCHARGE PIPING SO THE EXPOSED PIPING OF THE WATER SYSTEM IS SEALED OFF WHILE THE BACKFLOW PREVENTER IS REMOVED.
8. DURING REMOVAL PERIOD, THE VALVE ON THE SUPPLY SIDE SHALL BE SHUT AND THE FLANGES SHALL BE SEALED WITH A BOLTED BLIND FLANGE.
9. FOR SERVICE LINES 4" AND GREATER, PIPE SHALL BE RESTRAINED BETWEEN THE METER PIT AND BACKFLOW PREVENTER.

**Material Specification for Seasonal Use:**

**Flange:** Nibco Flange – Class 150, Cast bronze soldered fitting in accordance with ANSI/ASME B16.15, or similar approved by Colorado Springs Utilities.

**Gasket:** Rubber (This would be replaced on an annual basis at the beginning of the new irrigation season)

**Bolts, nuts and washers:** Stainless steel, type 304

**Blind Flange:** High Strength Plastic cap – Schedule 60 or similar approved by Colorado Springs Utilities. (During the winter or off season for irrigation)

**Stub out pipe:** Silver painted.