



The Sprinkler Installation Process (09/23/2022)

When a Sprinkler permit has been issued, the following information is provided to help homeowners and professionals understand the process:

- The building permit must be posted where it is accessible and visible from the street.
- **Call 811** before digging. Locates must be completed before work begins.
- Locate property pins where applicable (conducted by licensed surveyor).
- When requesting the installation verification please email jmurillo@brushcolo.com or call (970) 842-5002 **at least 24-hours prior** to requested inspection time.

General Backflow Prevention Device Installation Requirements (2018 IPC):

- The back-flow prevention device shall be installed by a licensed plumbing contractor or the homeowner.
- **IPC 608.14.5** Pressure vacuum breaker assemblies. Pressure vacuum breaker assemblies shall comply with ASSE 1020 or CSA B64.1.2. Spill-resistant vacuum breaker assemblies shall comply with ASSE 1056 or CSA B64.1.3. These assemblies shall be installed with the critical level of the assembly located not less than 12 inches (305 mm) above all downstream piping and outlets. Pressure vacuum breaker assemblies shall not be installed in locations where spillage could cause damage to the structure.
- **IPC 608.15** Location of backflow preventers. Access shall be provided to backflow preventers as specified by the manufacturer's instructions.
- **IPC 608.15.2** Protection of backflow preventers. Backflow preventers shall not be located in areas subject to freezing except where they can be removed by means of unions or are protected from freezing by heat, insulation or both.

Inspection & Testing Requirements:

- The back-flow prevention device shall be permitted and inspected by the City Of Brush.
- In addition, the device shall be tested by a Certified Cross-Connection Control Technician.
- **IPC 312.10.1 Inspections.** Annual inspections shall be made of all backflow prevention assemblies and air gaps to determine whether the assemblies are operable and air gaps exist.
- **IPC 312.10.2 Testing.** Reduced pressure principle, double check, pressure vacuum breaker, reduced pressure detector fire protection, double check detector fire protection, and spill-resistant vacuum breaker backflow preventer assemblies and hose connection backflow preventers shall be tested at the time of installation,

Sprinkler Installation, Inspection, & Testing Requirements



immediately after repairs or relocation and at least annually by a certified cross connection control technician.

The testing procedure shall be performed in its entirety in accordance with one of the following standards: ASSE 5013, ASSE 5015, ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056, CSA B64.10 or CSA B64.10.1.

- It shall be the responsibility of the contractor or the homeowner to provide to the Building Department the associated inspection and testing documents (PASS/FAIL) before the project can be completed and archived.