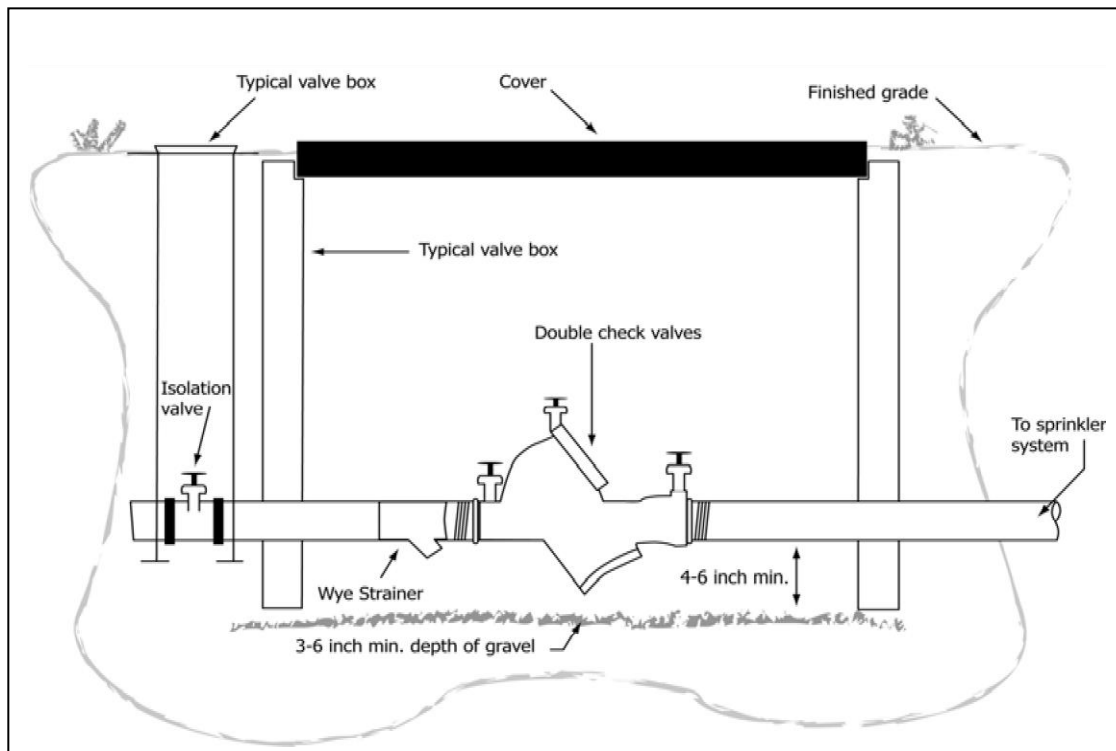




**TECHNICAL BULLETIN**  
**Planning & Development Services**  
**Building Inspections Division**  
**TOPIC: Double Check Backflow Installation with Irrigation**  
**Systems**

This Technical Bulletin lists the minimum requirements for the installation of a double check backflow prevention (BFP) device in conjunction with a lawn irrigation system. The illustration below is not drawn to scale and is intended to provide an example of a typical installation. The double check backflow prevention device must be installed in accordance with the Plumbing Chapter, the Irrigation Chapter and the manufacturer's listing.



The double check backflow prevention device must be tested upon installation before the system is put into service by a licensed tester that is registered with the City of Arlington Water Resources (WR) Department. The results of the Backflow Prevention Assembly Test (BPAT) must be recorded on forms provided by WR. The BPAT test results shall be provided to the irrigation inspector when the installation of the double check backflow prevention device is inspected.

When a double check backflow prevention device is installed in conjunction with a lawn irrigation system, the device must be installed as follows:

1. Test cocks must be plugged, except when testing,
2. Test cock plugs must be threaded, water tight and made of non-ferrous material,
3. A wye-strainer must be installed on the inlet side,
4. Clearance required on the sides and between the bottom of the BFP & fill material, and
5. An isolation valve is required to be installed between the BFP and the water meter.