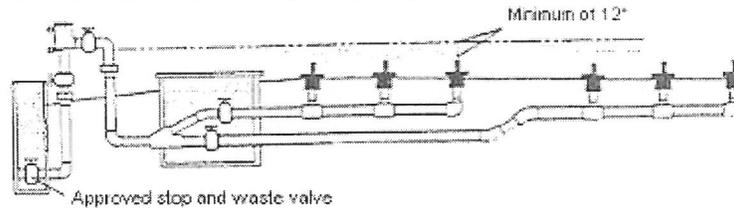


UNDERGROUND SPRINKLER SYSTEM GUIDELINES

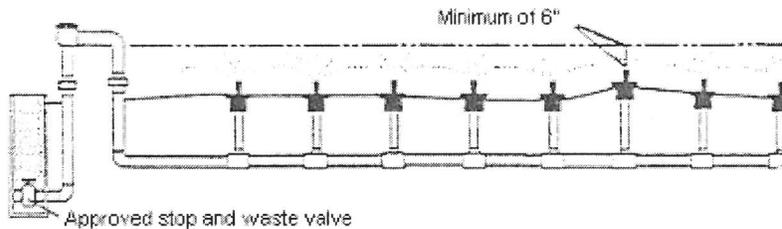
Pressure Vacuum Breaker Assembly (PVB)

- Only one PVB is required to serve the whole system; control valves can be located downstream of the PVB.
- PVB shall be installed a minimum of one foot (12") above the highest sprinkler.
- Initial Inspection of PVB installations shall be done by the City of Selah's cross connection personnel.
- PVB must be tested by a State certified backflow assembly tester when installed, annually and when moved or repaired.
- In PVB equipped systems, chemicals or fertilizers may not be introduced into the irrigation system.
- A stop and waste valve must be installed within three feet (3') of the PVB and a minimum of thirty inches deep (30"). The stop and waste valve must be accessible. This can be achieved by using a four-inch (4") PVC pipe as a valve stack.
- Unions must be installed on both sides of the PVB.



Atmospheric Vacuum Breaker (AVB)

- One AVB is required for each irrigation zone; no control valves are allowed downstream of an AVB.
- Each AVB shall be installed a minimum of six inches (6") above the highest sprinkler in that zone.
- Initial Inspection of AVB installation shall be inspected by City of Selah's cross connection personnel.
- AVB must be inspected by a State certified backflow assembly tester when installed, annually and when moved or repaired.
- No chemical or fertilizer may be introduced into an irrigation system equipped with AVB's.
- A stop and waste valve must be installed within three feet (3') of the AVB and a minimum of thirty inches (30") deep. The stop and waste valve must be accessible. This can be achieved by using a four-inch (4") PVC pipe as a valve stack.



Double Check Valve Assembly (DCVA)

- DCVA is required to serve the whole system; control valves can be located downstream of the DCVA.
- DCVA can be installed above ground or below ground. If the DCVA is installed below ground it must be accessible for inspection and testing.
- Initial inspection of DCVA installations shall be done by the City of Selah's cross connection personnel.
- DCVA must be tested by a State Certified backflow assembly tester when installed, annually and when moved or repaired.
- In a DCVA equipped system, chemicals or fertilizers may not be introduced into the irrigation system.
- A stop and waste valve must be installed within three feet (3') of the DCVA and a minimum of thirty inches (30") deep. The stop and waste valve must be accessible. This can be achieved by using a four-inch (4") PVC pipe as a valve stack.
- Unions must be installed on both sides of the DVCA.

