



LAWN IRRIGATION HANDOUT

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This guide is intended to help the homeowner installing their own lawn irrigation system. Installations done by a plumbing contractor must be licensed by the State of Minnesota.

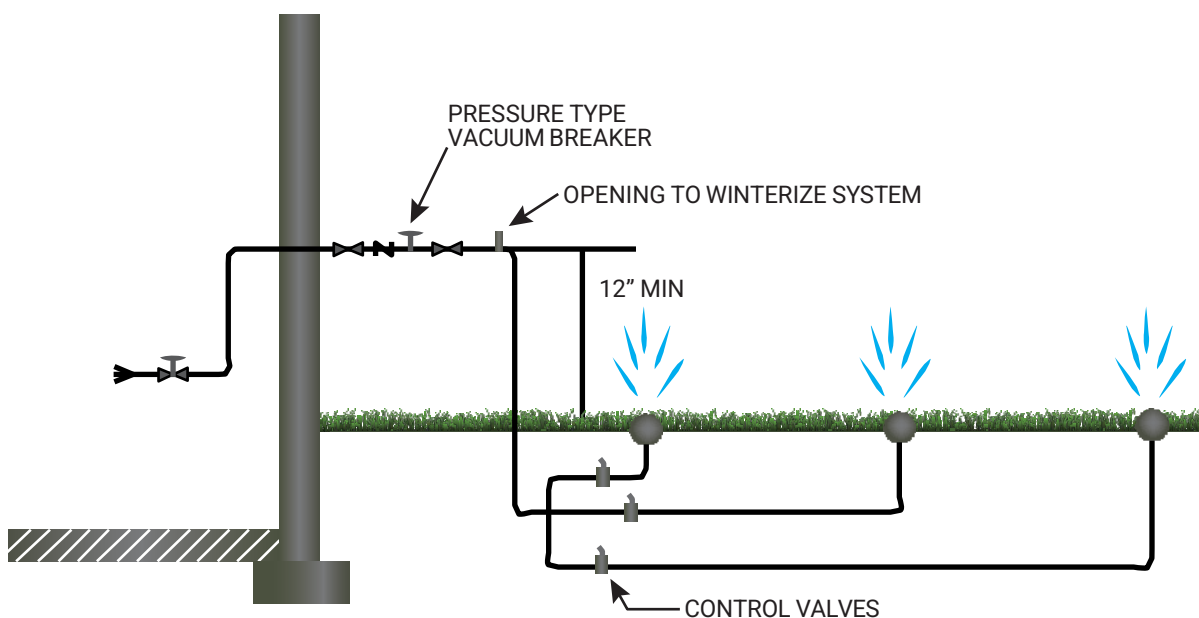
PERMIT

- Complete a Plumbing Permit application.
- Contact Gopher State One Call at 651-454-0002 at least 48 hours before you dig.
- Schedule an inspection after you have tied into the domestic water line and piping has been run to the outside. The necessary back-flow prevention device must be installed at the time of the inspection.
- Inspections are scheduled Monday thru Friday from 8:30 am until 4:00 pm. by calling 952-882-2650.

BUILDING CODE REQUIREMENTS

- The 2020 Minnesota Plumbing Code requires that all testable backflow devices be tested upon installation and at least annually thereafter by a certified backflow assembly tester. Test results must be submitted to the City within 30 days of testing.
- Irrigation systems for new home construction requires an approved as-built survey prior to permit issuance.
- The City will not authorize the installation of sprinkler heads within the City's boulevard or right-of-way. When sprinkler heads are installed within the City's boulevard or right-of-way, the owner will be solely responsible for any damages resulting from installation.
- Connect into the water line on the house side of the meter.
- Lead-free solder is required.
- A ball type gate valve is required to control the irrigation water line.
- Provide a means of draining the system and blowing water from the sprinkler heads during winter months.
- Provide adequate back flow prevention with a pressure type vacuum breaker.
- All garden hose connections, inside and outside the building, must have a hose connection vacuum breaker installed. See the example below.
- A garden hose connection is not a legal connection for a lawn irrigation system.
- Properly support all piping and the back flow preventer.

NOT TO SCALE



Pressure type vacuum breaker on lawn sprinkler system must be installed at least 12 inches above highest sprinkler outlet and may be subject to constant static pressure.