City of Farmington
430 3rd St.
Farmington, MN 55024
651-280-6830

Irrigation systems

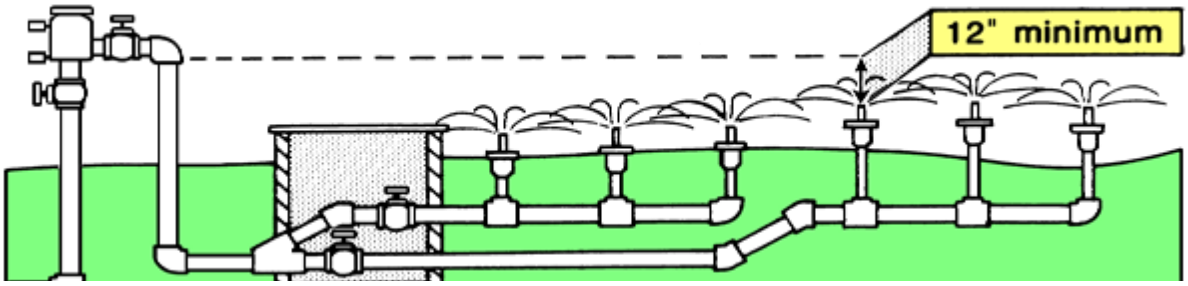
This pamphlet is a compilation of some of the standard requirements based on the State Plumbing Code for projects of this type. This information packet does not contain all of the specific codes and should only be used as a guide. The permittee is responsible to meet all code requirements applicable to each project.

Plumbing Permits are required for installing irrigations systems in the City of Farmington

- Potable water shall be protected by an approved backflow devise. i.e. (PVB)Pressure Vacuum Breaker
- Systems equipped with a pump or capable of chemical injection shall be protected with a Reduced-Pressure principle backflow prevention device(RP)
- Backflow prevention devices shall be tested by a certified backflow assembly tester, upon installation, and a report submitted to the City or Farmington
- Owner shall be responsible for annual testing of backflow prevention devises and submittal of report to the City of Farmington
- Automatic systems require a RAIN SENSOR to inhibit operation of system during periods of sufficient moisture

Pressure Vacuum Breaker

- (PVB) shall be installed a minimum of 12” above the highest sprinkler head
- Drains for irrigation systems where a hose may be attached must be protected by an approved backflow prevention device



When work is ready, an inspection must be requested and made. Inspection hours are 9:00 AM to 3:15 PM Weekdays. All inspections require at least 24 hour notice to the Building Department 651-280-6830.

FACT SHEET: BACKFLOW DEVICES

2015 MINNESOTA PLUMBING CODE

Minnesota Department of Labor and Industry

REQUIREMENTS

Refer to the 2015 Minnesota Plumbing Code Parts 603.5.23 through 603.5.23.4 for details about the backflow prevention requirements discussed in this fact sheet.

Devices that need to be tested

The 2015 Minnesota Plumbing Code requires that all testable backflow devices be tested upon installation and at least annually thereafter by a certified backflow assembly tester. Testable devices include:

- Reduced pressure principal backflow prevention assemblies,
- Reduced pressure detector fire protection backflow prevention assemblies,
- Double check backflow prevention assemblies,
- Pressure vacuum breaker backflow prevention assemblies,
- Double check detector fire protection backflow prevention assemblies, and
- Spill resistant pressure vacuum breakers.

Installing the device

- A licensed plumber must perform the installation of a backflow prevention device.
- The public water supplier must be notified within 30 days following installation of the device on a community public water system.
- A plumbing permit must be obtained from the administrative authority prior to installation.

Testing and maintenance

- The backflow device must be tested upon initial installation and at least annually thereafter.
- Test results must be submitted to the administrative authority and to the community public water supplier within 30 days of testing.

Applicability

- Reduced pressure (RPZ) devices have had testing requirements for many years. New and existing RPZ installations must be tested annually.
- *The testing requirements for testable non-RPZ devices became effective for installations made on or after Jan. 23, 2016.*

Tester qualifications

Testing of backflow prevention devices requires certification to ASSE Standard 5110. Testing of reduced pressure principal devices (RPZs) requires an additional certification by the commissioner of the Minnesota Department of Labor and Industry.

RESPONSIBILITIES

Responsibility of the municipality

The municipality is responsible for notifying owners of backflow devices of the need for initial and annual testing of backflow devices. This can be done through the plumber when the plumbing permit is issued. It may be helpful for the municipality to prepare an information sheet to provide to the plumber at time of the plumbing permit application. As a condition of the permit, the plumber informs the device owner of the requirements.

Responsibility of the owner

The owner of the backflow prevention device is responsible for making sure the backflow device is tested upon installation and at least annually thereafter. The owner is responsible for arranging for a backflow device tester to test devices at least annually.

Responsibility of the plumbing contractor

The plumbing contractor is responsible for informing the building owner of the need to have their backflow devices tested upon installation and at least annually thereafter.

Responsibility of the backflow tester

- The backflow device tester is responsible for testing the backflow device and tagging it with the testing date, tester signature and backflow certification number.
- Written records of testing and maintenance must be maintained and submitted to the administrative authority and the community public water supplier within 30 days following the test.

City of Farmington

430 Third St., Farmington, MN 55024
651-280-6830 Fax 651-280-6839

Application for Plumbing Permit

Date _____ Permit No._____

Site Address	_____

Applicant: Owner ____ Contractor ____ Title: _____

Property Owner	Name/Company _____ Phone No. _____ Address _____ City _____ State _____ Zip _____ **Email Address**_____
Contractor	Company _____ Phone No. _____ Contractor License No.: _____ Expiration Date _____ Contact Person (Print) _____ Phone No. _____ Address _____ City _____ State _____ Zip _____ **Email Address**:_____

FORM ONLY VALID THROUGH 12/31/19

Plumbing Permit Type:	☐ - Fixtures ☐1 - Other _____ (Provide job cost for non-residential projects and sprinkler systems.)
Work Type:	☐ - New ☐ - Addition ☐ - Repair **If irrigations system, is automatic fertilizer system being installed? Yes No** **☐ - Irrigation Pressure Vacuum Breaker ☐ - Irrigation Full System**
Office Use **Required Inspections**	☐ - Rough-In (Air Test) ☐ - Visual ☐ - Manometer ☐ - Other _____ ☐ - Final

NOTE: ***ABS/PVC pipe restricted in non-combustible construction.***

	Bath Tub	Dish Washer	Drinking Fountain	Flammable Waste Trap	Floor Drains	Grease Trap	Kitchen Sink	Laundry Tub	Lavatory	Misc.
Total No.										
	Lawn Sprinkler	**Shower**	**Slop Sink**	**Sump Pump**	**Urinal**	**Washer**	**Water Closet**	**Water Heater**	**Water Softener**	**Undefined**
Total No.										

RPZ_____ **Total Number of Fixtures_____** ***Job Cost $_____(Non-Residential Only)***

Residential:	New Construction $86.00 ($85.00 +1.00 s/c)	**Commercial:** 1.25% of Contract cost + surcharge
	Repair/Replace $56.00 ($55.00 +1.00 s/c)	(Contract valuation x .0005)
	Water Heater/Softener - $31.00 (30.00 + 1.00 s/c)	Minimum of $101.00 ($100.00 +.1.00 s/c)
Commercial Irrigation Permits $101.00 ($100.00 + 1.00 s/c)		

This permit shall be null and void if authorized work is not started within 180 days or if work is suspended or abandoned for 180 days or more after work is started.

The undersigned hereby represents upon all of the penalties of the law, for the purpose of including the City of Farmington to take the action herein requested, that all statements are true, and that all work herein will be done in accordance with the ordinances of the City of Farmington and the State of Minnesota.

_____/_____

Applicant's Signature/Date