

City of Sandwich  
Building Department  
144 E. Railroad Street  
Sandwich IL 60548  
815-786-8802

## Irrigation Systems

Need to submit the following:

1. Building permit application
  - a. Application
  - b. Current Plat of survey.
  - c. A scaled drawing must be submitted of proposed irrigation system showing piping and sprinkler head locations.
  - d. Submit State of Illinois Installers Certificate of Registration.
  - e. Submit RPZ information/ type model
  
2. Procedure steps
  - a. It is applicant's duty to ensure their Homeowners Association (if applicable) approval before starting work. This is **not** performed by the City of Sandwich.
  - b. Approval will be given/ denied from the building department and applicant will be informed of decision.
  - c. All plumbing work must be performed by a licensed plumber from a registered company. Both 055 and 058 #'s must be submitted.
  - d. Inspections needed. Owner/ applicant **MUST** make calls to set up inspections. Allow 48-hour advance notice.
    - i. RPZ valve installation which must be protected from freezing/ Final inspection

**Note:** A copy of the RPZ certification is required by the State of Illinois to be submitted initially and annually thereafter. This is owner's responsibility.

**All irrigation systems shall comply with the following standards and regulations.**

1. The person accepting the submittal at City Hall will only determine whether all the documentation has been provided and cannot issue the building permit. Do not begin construction before receiving a permit. The penalties for constructing without a building permit are a doubling of the permit fee and the possible court order for removal of the system.
  
2. No sprinkler heads are to be installed in the right of way.
  
3. As part of the application process, the Building Official will be determining if there are any known active utility easements on the property that could prevent the placement of the sprinkler heads on the property by reviewing the final plat of subdivision of the property. Utility easements give the utility companies the right to remove any sprinkler heads and piping from the easement at the expense of the property owner if maintenance or other work is required. On occasion, it may be necessary for you to obtain written approval from the utility companies before the City of Sandwich issues a building permit.

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4. The state of Illinois mandates that all irrigation employees, plumbers, supervisors and installers must submit their State of Illinois Installers Certificate of Registration prior to a permit being issued and must maintain possession of the registrations at all times when on the jobsite.
5. State law requires you to call J.U.L.I.E. (811 or 800-892-0123) before any digging project.

**Miscellaneous:**

1. Your subdivision may have restrictive covenants that limit or even prohibit irrigation on your property. It is the owner's sole responsibility to ensure compliance with the covenants.
2. A second water meter can be purchased just for irrigation so no charges will be assessed for sanitary sewer usage. Please contact front desk for further details. 815-786-9321

## **Residential Water Services – Cross Connection Control Issues**

- Domestic
- Fire Protection/Fire Safety System
- Irrigation
- Reclaimed Water System
- Solar Water Heating System

### **Domestic:**

Beyond the main shut-off valve that is located inside the residence, a residential water meter is placed, followed by a dual check valve (ASSE 1024). The dual check valve device provides for the protection of the potable water supply in accordance with 77 Illinois Administrative Code, Part 890, Section 890.1130(f)(1)(F) and Section 890.1130(f)(4)(A)(v). Low hazard or high hazard substances as identified by the Superintendent of Water as atypical of residential water service use shall require devices in accordance with 77 Illinois Administrative Code, Part 890.1130(f).

### **Fire Protection/Fire Safety System:**

Beyond the main shut-off valve that is located inside the residence, a fire protection/fire safety system requires a backflow prevention device when constructed in accordance with 77 Illinois Administrative Code, Part 890, Section 890.1130(d)(2), (3), or (4). A double check valve backflow preventer assembly or double check valve detector assembly provides such backflow prevention. For fire protection/fire safety systems constructed in accordance with 77 Illinois Administrative Code, Part 890, Section 890.1130(d)(1), backflow protection is provided by the dual check valve (ASSE 1024) configuration adjacent to the water meter. Annual inspections of the double check valve backflow preventer assemblies and the double check valve detector assemblies are required by a Cross Connection Control Device Inspector (CCCDI).

### **Irrigation:**

Beyond the main shut-off valve that is located inside the residence, a residential "second" water meter is placed, followed by a dual check valve (ASSE1024). All sillcocks (outside hose attachments) shall be installed in accordance with 77 Illinois Administrative Code, Part 890, Section 890.1140(e)(1). The atmospheric vacuum breaker units are commonly integrated into the sillcocks.

Additionally, a lawn sprinkler system shall provide backflow prevention in accordance with 77 Illinois Administrative Code, Part 890, Section 890.1140(d). The reduced pressure principle backflow preventer assembly shall be installed beyond the "second" meter. Annual inspections of the reduced pressure principle backflow preventer are required by a Cross Connection Control Device Inspector (CCCDI).