

LAWN SPRINKLING SYSTEM

Village of Carol Stream

500 N. Gary Avenue, Carol Stream, IL 60188
Tel: 630-871-6230 Fax: 630-665-1064

CHECKLIST

Completed by Permit Applicant and reviewed by Community Development Staff at submittal.
Additional items required will be circled by Community Development Staff.

- _____ Completed **Application For Permit**
 - _____ Two (2) copies of the **Plat of Survey**, drawn to scale, showing all existing structures on the lot including dimensions, and showing the location of the proposed sprinkling system with material specifications, pipe sizes and dimensions to the property lines and other structures
 - _____ Three (3) copies of **specification sheets** for all devices, backflow prevention devices and valves.
 - _____ One (1) copy of the **Plumbing Contractor's License**, if applicable (unless the home owner is doing the work)
 - _____ One (1) copy of the **Plumber's License**, if applicable (unless the homeowner is doing the work)
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Completed by Community Development Staff:

- _____ All documentation required for the permit application has been submitted.
- _____ Items circled have not been properly submitted and we are returning your submittal for completion of these items.

Building permit submittal checked by: _____

For questions regarding building permit requirements for a Lawn Sprinkling System, please contact the Village of Carol Stream Community Development Department at (630)871-6230.

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Lawn Sprinkling System Permit Requirements

1. *Permit Application:* All lawn sprinkling systems require a permit before construction begins. In all cases, a completed permit application must be submitted along with two copies of the Plat of Survey drawn to scale showing the exact location of the proposed lawn sprinkling system. In addition to the above information, three sets of plans and specifications must be submitted showing the location of the piping and sprinkler heads. Material specifications with detailed dimensions and pipe sizes must be drawn on the Plat of Survey.
2. *Placement on Lot:* No part of the lawn sprinkling system can be located in the public right-of-way. The complete system must be installed on private property.
3. *Code Requirements:*
 - A. The connection to the potable [public] water system must be by a licensed plumbing contractor and made by a licensed plumber employed by the plumbing contractor.
 - B. The installation of the reduced pressure backflow prevention device [RPZ] must be by a licensed plumbing contractor and made by a licensed plumber employed by the plumbing contractor. The RPZ must be tested and certified after installation and every year thereafter.
4. *Construction Specifications:*
 - A. The connection to the potable water system must be made after the water meter and valve.
 - B. A reduced pressure backflow prevention device [RPZ] must be installed between the point of connection to the potable water system and the first flow or control device for the system. Certification for the backflow prevention device must be submitted to the Community Development Department for inclusion in the building permit file.
 - C. A full-flow gate valve must be installed on each side of the backflow prevention device.
 - D. If the backflow prevention device is located inside the building, a floor drain must be located within three feet of the device.
 - E. Direct-buried cable, conduit or raceways must be installed in accordance with Article 300 of the Electrical Code of the Village of Carol Stream.
 - F. Underground electrical wiring to control valves installed beneath pavement must be sleeved in rigid metal conduit or intermediate metal conduit.
 - G. Irrigation pipe installed beneath pavement must be sleeved in galvanized steel pipe, schedule 40, or polyvinyl chloride (PVC) plastic pipe, schedule 80.

- A Permit is Required Before Any Work Begins -

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Lawn Sprinkling System Permit Requirements, continued.....

- H. Pipe material inside the building and to a point five feet beyond the exterior wall or slab on grade must be copper or copper-alloy tubing, Type K or Type L.
- I. Lawn irrigation system pipe material must be as specified in the following table:

LAWN IRRIGATION DISTRIBUTION PIPE

MATERIAL	STANDARD
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2846; ASTM F 441; ASTM F 442; CSA B137.6
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, WK, L, WL)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Polyethylene (PE) Pipe	ASTM D 2239-1996a
Polyethylene (PE) Tubing	ASTM D 2737-1996a, CSA B137.1—1999 in B137

- 5. *Inspections:* Inspections are required at each connection of sprinkler heads and a final inspection is required after the installation has been completed. You must submit certification for the backflow prevention device (RPZ) prior to requesting a final inspection. Inspections are available on Monday, Wednesday and Friday afternoons only.

- A Permit is Required Before Any Work Begins -