

Irrigation

Underground Lawn Sprinkler/Irrigation Systems



What to Submit

*Completed application.

*1 copies of a Certified Plat of Survey with the location of the proposed system components drawn clearly and accurately, including the locations of the RPZ and the rain/moisture sensor.

*The Manufacturer's specifications for the irrigation system and RPZ assembly:

- A plumbing riser diagram including the specific location of the potable water connection, RPZ (inside or outside is to be stated).
- Shut-off and drain-down valves.
- The location of the rain/moisture sensor location and distance from the water connection to the RPZ.
- **Indicate all pipe sizing and type of material to be used including total number of sprinkler heads or terminals and number of zones.**

***Sizing Requirements** for the water service and meter are based on the Illinois Plumbing Code 890. Appendix A, Tables M-O and the average available water pressure in Lake Zurich is 45 psi:

- Provide a complete list of all lawn sprinkler/irrigation zones and their respective flow rates.
- Provide a complete itemized list and number of existing plumbing fixtures in the building.
- Include the size of the existing water service and water meter size.
- The total existing required water supply fixture units shall determine the probable demand in gallons per minute. Add to the probable fixture demand the demand for the largest sprinkler zone. The **total combined demand** (gpm) shall determine any required upgrades for the water service and meter. Submit to the Village the total calculated demand for the water service. (890.1200 and 890.1210).

Contractor Requirements

*Submit a copy of the irrigation contractor's registration (starts 60- ends -01) and a copy of the plumbing contractor's licenses- (both 055 and 058).

*A copy of the C.C.C.D.I.'s name and license.

*Plumber's Letter of Intent.

Locations

*When lawn sprinkler systems are to be placed in the right-of-way or easement, an Obstructions in Easements form must be signed by the owner and recorded with the Lake County Recorder of Deeds.

*Call J.U.L.I.E. (800-892-0123) before digging.

Costs

Residential

\$37.00 Plan Review Fee
\$42.00 Permit Fee, plus

\$18/fixture

\$7/head

No. of heads: _____

\$500.00 Building Deposit
\$200.00 Engineering
Review \$150.00 Inspection Fee

Non-Residential

\$74.00 Plan Review Fee
\$120.00 Permit Fee, plus

\$22/fixture

\$3.25/head

No. of heads: _____

\$1000.00 Building Deposit

*Building deposit is refunded in accordance with Municipal Code Title 8, Chapters 2-6, Sections A-E. Allow 4-6 weeks for refund after final inspection has taken place.

*If final inspection is not scheduled and approved prior to expiration date on permit, the building deposit will be forfeited to the Village.



At the Heart of Community

Note:

*If an inspector needs to return more than once for the same phase of any required inspection, a \$100.00 residential re-inspection fee or a \$200.00 commercial re-inspection fee will be required to be paid before the re-inspection takes place.



Irrigation

Underground Lawn Sprinkler/Irrigation Systems

Page 2



Rules & Restrictions

*All work shall be performed in compliance with the minimum standards of the Illinois State Plumbing Code.

*The plumbing contractor shall make the physical connection of the RPZ to the potable water supply and meet the installation requirements listed below.

*The RPZ shall not be located more than 5 ft. above a floor and shall be accessible for observation, maintenance and replacement services. (890.1130 g).

*The RPZ for the lawn sprinkler system may be located outside provided it is removed at the end of the season. (890.1140 d).

*The water supply to the RPZ shall be no longer than 2 ft. unless provisions are made with a shut-off valve with a drain down valve within 2 ft of the potable water supply to prevent stagnant water during off-season. (890.1200 c).

*A copy of the RPZ C.C.C.D.I.'s test certificate AND a copy of the IDPH contractor's Test Certificate shall be affixed to the RPZ. (892.50).

*If the RPZ is located inside the residence, all piping from the RPZ to the outside lawn sprinkler connection shall be painted yellow and tagged as "non-potable water." (890.1120). The relief discharge shall be piped to an approved waste receptor. (890.1010 b).

*Upon completion of the work, inspections and test shall be made by the licensed plumber and witnessed by the owner or the owner's representative. The plumber shall completely fill out the IDPH Contractor's Test Certificate with the approved signature of the property owner.

Inspections

*Inspections are scheduled for A.M. or P.M. Monday through Friday with 48 hours advance notice. Call 847-540-1696 x8150 . Same day re-inspections are not available.

*Final Inspection

*A copy of the certification test results must be sent to the Water Department within 7 days (Attn: Public Works Dept., 505 Telser Rd, Lake Zurich, 60047). All conditions listed above must be met or both the contractor and business/home owner will be held in violation of the Cross Connection Control Ordinance #90-08-399, and can be fined from \$100 to \$1500 per day and the water service may be disconnected.

*If work was done in the Right-of-Way, an inspection must also include Public Works in order to return parkway deposit.

Note:

*The property owner shall be provided with a copy of appropriate instructions and care and maintenance charts by the contractor. The property owner shall be made aware of the hazards and risks for any outside installation of the RPZ and accepts the responsibility for its removal prior to freezing temperatures. Instructions for care and maintenance of the

I have read and reviewed these requirements.

Signature of Applicant

Date