

# Guidelines and Recommendations for Residential Lawn and Garden Irrigation Systems

The phrase “contractor” should precede with the following recommendations:

- Should be an active member of Landscape Ontario.
- Should have a minimum of 3 years experience designing and installing irrigations of this size and follow the guidelines published by Landscape Ontario for this type of installation.
- Must have current liability and property damage insurance of a minimum of \$1,000,000.00 per occurrence.
- Must be able to supply a validated clearance certificate for WSIB.
- Should be able to provide notarized statutory declaration (cost at client's expense).
- Shall specify in the quote the name and quantity of finished goods to be installed.
- Arrange clearances for all underground services and utilities with client.
- Supply and install a backflow prevention device in agreement with the local plumbing code.
- PVC pipe shall be a minimum of class 160. Polyethylene pipe shall be a minimum of 75 p.s.i.
- Shall insure electrical work meets local codes. All wiring shall be suitable for direct burial and be minimum of 18 gauge.
- Protect client's and neighbour's property and own work from damage.
- Excavation shall include all materials encountered except for materials that cannot be removed through normal mechanical excavation means. Minimum pipe depths shall be 8 inches in turf, 12 inches in planting areas.
- All materials shall meet local code requirements. The irrigation system should be guaranteed for a minimum of 1 year against defects, including workmanship.
- Shall guarantee “efficient” operation of the entire system using accepted industry design criteria.
- Shall program controller into logical sequence as per water restrictions with appropriate run times to satisfy, not exceed, water requirements of the plant material. Watering should occur early in the morning.
- Shall supply an as-built drawing indicating sprinklers, pipe routes, valve locations, sensor locations, winterizing location, controller location and zone locations.
- Shall supply operations manuals verifying operating settings and ensure overlap of sprinklers.
- Shall guarantee complete coverage of areas to be irrigated. Plant beds and grass areas should be watered separately without excessive overthrow onto streets, driveways or building surfaces. Separate zones should be provided for areas with different watering requirements.
- Winterization of irrigations system to be accomplished by utilizing an air compressor set at 75 p.s.i.

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