



Residential Lawn Sprinklers

This handout addresses the frequently asked questions regarding a lawn irrigation system.

- A \$50.50 building permit fee is required prior to installing a lawn sprinkling system. If a new electrical circuit is needed to accommodate an outlet for a timer, a \$50.50 electrical permit is also required. A homeowner may obtain the required permits. If a contractor is hired, they must be registered in the City of Brecksville and obtain the required lawn sprinkling permit.
- To obtain the building permit, two copies of a scaled site plan must be submitted to the Building Department. The drawing must show:
 1. The backflow device location, manufacture and model number.
 2. The location of shut-off valves and type, size and depth of water lines.
 3. The location of all sprinkler heads.

Note: No unprotected hose bibb shall be installed between the backflow device and the water meter.

- Spray nozzles of a permanently installed water sprinkling system shall be located and oriented as to prevent sprinkling over sidewalks, streets or neighboring properties under normal wind conditions.
- Proper irrigation system backflow control has long been recognized as vitally necessary to protect both your own plumbing and the city water system from potentially toxic contaminants. There are typically two types of required backflow control devices which can be used in a lawn irrigation system:
 1. ASSE 1020. Pressure Vacuum Breaker. They must be a minimum of 12" above the highest sprinkler head they serve.
 2. ASSE 1013. Reduced Pressure Principle Backflow Preventer. They may not be installed in a pit. They must be installed a minimum of 12" away from the foundation wall and no higher than 36" above grade.Backflow preventers must be tested upon installation, annually and upon repair. All new installations, a copy of the test certification must be submitted prior to final inspection of the irrigation permit.

Please contact the Building Department when the system is completed for a final inspection at 440-526-2630, Monday through Friday, 8:30 a.m. to 4:30 p.m.

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