

# Westchester Joint Water Works

## Excerpts from Rules and Regulations

### Article 2 - Taps and Services

#### Sec. 8 - Types of Services

**E.** Underground Lawn Sprinkler Supplied from Domestic Service - Where a customer elects to connect an underground lawn sprinkler system to the domestic service line, the Water Works assumes no responsibility for the adequacy of the service line or meter and/or for the failure or decrease in water pressure and available flow due to the demand of the sprinkler system. The Water Works assumes no obligation to increase the service line or meter size to accommodate such additional sprinkler system demand. The customer shall complete an application for approval of such system, and the system shall be designed in compliance with the requirements of Article 7, Section 4 of these Rules and Regulations.

### Article 7 - Cross Connection Control

The following regulations are in conformance with Part 5 of Chapter 1, of the New York State Sanitary Code.

#### Section 1 - Definitions

**A.** Air Gap Separation means the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, or other device and the flood level rim of the receptacle. The differential distance shall be at least double the diameter of the supply pipe. In no case shall the air gap be less than 1 inch.

**B.** Acceptable Devices are those devices or assemblies found to be acceptable for containment control in New York State in accordance with the Department of Health requirements.

**C.** Backflow means a flow condition, induced by a differential in pressure that causes the flow of water or other liquids and/or gases into the distribution pipes of a public water supply from any source other than its intended source.

**D.** Containment means cross-connection control, which isolates the customer's entire facility from the public water system so as to provide the protection necessary to prevent contamination of the public water supply in the event of backflow from the customer's facility.

**E.** Contamination means the presence in water of a substance that tends to degrade its quality.

**F.** Cross-Connection means a physical connection through which a water supply could be contaminated.

**G.** Double Check Valve Assembly, Acceptable means two single independently acting check valves, including tightly closed shutoff valves located at each end of the assembly and suitable connections for testing the water tightness of each check valve.

**H.** Reduced Pressure Zone Device, Acceptable means a minimum of two independently acting check valves, together with an automatically operated pressure differential relief valve located between the two check valves.

#### Sec 2 - Protection of the Water Supply

**A.** The customer shall be responsible to prevent potential contamination of the public water system of the Water Works by containment within his premises. The Water Works may order the installation of an acceptable air gap, reduced pressure zone device, double check valve assembly or equivalent protection device consistent with the degree of hazard posed by his service connection if it deems such installation necessary to protect the public water system from an existing or potential cross connection.

**B.** Customers required to install protective devices shall submit plans for their installation to the Water Works and, when required, to the New York State Department of Health for approval. A charge shall be made in accordance with Fee Schedule A for failure to comply with this requirement.

#### Section 3 - Testing of Protective Devices

**A.** All protective devices shall be tested at least annually, and an original record of such tests shall be provided to the Water Works. Such tests shall be conducted by certified backflow prevention device testers. Incomplete or incorrectly completed test forms will be rejected. Where properly completed forms are not received in timely fashion, a charge shall be made in accordance with Fee Schedule I.

#### Section 4 - Residential Underground Lawn Sprinklers

**A.** No residential underground lawn sprinkler shall be installed and/or placed into service until (1) an application for service is submitted to the Water Works together with plans indicating compliance with paragraphs (b), (c), (d) and (e) of this section of the Rules and Regulations, and (2) a permit is issued to the customer by the Water Works granting permission to construct and use such a system. Non-conforming existing residential underground lawn sprinkler systems shall be considered in violation of these Rules and Regulations and/or the New York State Sanitary Code and, upon notice, such violations shall be corrected in accordance with Water Works policy as set forth in Fee Schedule A-2.2. See also Article 2 Section 8(e) for provisions relating to Underground Lawn Sprinkler Supplied from Domestic Service.

**B.** An approved vacuum breaker shall be installed on a loop extending at least twelve (12") inches vertically above at least one sprinkler head in each zone and twelve (12") inches above the surrounding ground.

**C.** The main control valve shall be installed so that it will operate when the various sections are out of service. An electrically controlled valve shall be used.

**D.** A weep hole shall be located in the distribution piping to reduce pressure in the line so that the vacuum breaker will open at least once each day. The weep hole shall be provided with satisfactory free drainage, be free of obstruction and be located at least twelve (12") inches below the vacuum breaker. A 1/16" brass tap may serve as the weep hole.

**E.** A double check valve assembly listed as acceptable by the New York State Department of Health shall be installed between the main valve and the vacuum breaker.

# Westchester Joint Water Works

## Residential Underground Lawn Sprinkler Permit

Name \_\_\_\_\_

Premises \_\_\_\_\_

Address \_\_\_\_\_

Home Phone # \_\_\_\_\_

Business Phone # \_\_\_\_\_

Customer Number \_\_\_\_\_

**SERVICE LINE DATA**

SIZE \_\_\_\_\_

LENGTH \_\_\_\_\_

Meter Location     Building     Pit    Size \_\_\_\_\_    Capacity \_\_\_\_\_

Street Pressure Range \_\_\_\_\_ psi    at Hydrant No. \_\_\_\_\_

Proposed                       Existing Underground Lawn Sprinkler System

All Systems Must Comply with Article 7 of the Rules and Regulations as shown on page 1 of this form. Plans must be submitted showing all existing and/or planned backflow preventers, sprinkler piping and heads, number in each zone, building locations and property lines.

VACUUM BREAKER \_\_\_\_\_ Above Ground                      Make and Model \_\_\_\_\_

CONTROL VALVE – Electrically Controlled (to be) Provided                       YES     NO

WEEP HOLE \_\_\_\_\_ Below Vacuum Breaker

DOUBLE CHECK VALVE ASSEMBLY                      MAKE \_\_\_\_\_                      MODEL \_\_\_\_\_                      SIZE \_\_\_\_\_

OR

REDUCED PRESSURE ZONE DEVICE                      MAKE \_\_\_\_\_                      MODEL \_\_\_\_\_                      SIZE \_\_\_\_\_

DEMAND FOR EACH ZONE (gpm)                      Maximum demand permitted in any single zone is 20 gpm.

1 _____	4 _____	7 _____	10 _____
2 _____	5 _____	8 _____	11 _____
3 _____	6 _____	9 _____	12" _____

**SPRINKLER CONTRACTOR**

Name \_\_\_\_\_ Telephone # \_\_\_\_\_

Address \_\_\_\_\_

**PLUMBING CONTRACTOR**

Name \_\_\_\_\_ Telephone # \_\_\_\_\_

Address \_\_\_\_\_

Approved by Westchester Joint Water Works \_\_\_\_\_



# WESTCHESTER JOINT WATER WORKS

1625 Mamaroneck Avenue  
Mamaroneck, New York 10543  
(914 698-3500

## APPLICATION FOR UNDERGROUND LAWN SPRINKLER

### SERVICE TO BE SUPPLIED FROM DOMESTIC LINE

TO: WESTCHESTER JOINT WATER WORKS

1. The undersigned requests the Westchester Joint Water Works to supply water to an underground lawn sprinkler to be installed by the customer in or under the lawn at the premises described below. The sprinkler is to be connected by the customer to his domestic service line in compliance with Article 7, Section 4 of the Rules and Regulations of the Water Works and all applicable Health Department requirements.
2. Attached and made part of is a plan of the proposed installation showing the area to be sprinkled, the size and location of the domestic service line, the number of spray heads in each zone, the number of zones to be connected to the domestic supply, the volume of water required in gallons per minute for each separate zone and the water volume in gallons per minute required by the greatest number of heads to be operated simultaneously.
3. The furnishing of water service is subject in all respects to the Water Works Rules and Regulations (copy enclosed) and any amendments and subject to New York State Health Department Regulations.
4. The customer understands that the Water Works assumes no responsibility for the adequacy of the service pipe to the premises to supply the sprinkler; the Water Works assumes no responsibility for the failure or decrease in water pressure and available volume within the premises supplied when such condition is caused by the water demand of the sprinkler; and the Water Works assumes no obligation to increase, or permit the increase of, the service pipe to the premises to meet the increase of water requirements caused by the operation of the sprinkler.

Date \_\_\_\_\_

Signature of Customer: \_\_\_\_\_

Name of Customer (print): \_\_\_\_\_

Address of Premises: \_\_\_\_\_

#### FOR OFFICE USE ONLY

Account #: \_\_\_\_\_

Accepted By: \_\_\_\_\_ Date: \_\_\_\_\_

Book and Page: \_\_\_\_\_

Inspected By: \_\_\_\_\_ Date: \_\_\_\_\_