MANHASSET-LAKEVILLE WATER DISTRICT

170 EAST SHORE ROAD
GREAT NECK, NY 11023
516-466-4416
FAX 516-466-2748

PAUL J. SCHRADER, P.E.
SUPERINTENDENT

HILARY GROSSMAN, CPA
BUSINESS MANAGER

APPLICATION FOR AUTOMATIC UNDERGROUND SPRINKLER

Homeowner Name: (Print)_____

Service Address: _____

City / State / ZIP: _____

Phone: _____ **Email:** _____

Property Type: ☐ Single-Family Residential ☐ Other: _____

SYSTEM REQUIREMENTS & COMPLIANCE

1. District-approved **smart irrigation controller.**
2. **Sensus ALLY water meter** required on main service line.
3. **Backflow prevention device** installed per District standards.
4. A completed Backflow test **form DOH-1013** must be submitted prior to system activation.
5. Compliance with all **water conservation ordinances and restrictions**

APPLICATION FEE

Application Fee: **$600.00** (includes cost of **Sensus ALLY** meter)

HOMEOWNER ACKNOWLEDGMENT

The homeowner is responsible for proper installation, inspection, operation, and maintenance of the sprinkler system in accordance with Manhasset-Lakeville Water District requirements.

I certify that the information provided is accurate and that the sprinkler system will be installed and operated in compliance with all Manhasset-Lakeville Water District rules and water conservation requirements.

Homeowner Signature: _____ **Date:** _____

DISTRICT USE ONLY

Date Application & Fee Received: _____ **Approved:** ☐ Yes ☐ No

The Manhasset-Lakeville Water District

Rules & Regulations for Underground Automatic Irrigation Systems

New Automatic ON-OFF time-controlled underground sprinkler systems and/or other irrigation systems, controlled by automatic ON/OFF time-controlled devices, shall comply with the following requirements:

1. Timer devices shall be programmed to automatically operate and permit flow only during the days and hours permitted under the District's Water Conservation Programs latest notice. The automatic ON/OFF time-controlled irrigation system is to remain OFF during all other periods.
2. The system shall be designed to restrict total system water use during the allowable ON irrigation periods to a water flow rate not to exceed 10 gallons per minute.
3. An adjustable pressure regulating valve shall be installed on the water pipe feeding the irrigation system. The pressure regulating valve shall be set to maintain inlet water pressure to the irrigation system at a level not to exceed 5 pounds per square inch above the manufacture's rated pressure for the lowest pressure rated sprinkler head in use in the irrigation system.
4. Each irrigation system shall be equipped with devices to automatically turn the irrigation system OFF when it rains and when it has rained prior to the irrigation period and/or when the soil moisture conditions are adequate for plant growth without further addition of water.
5. Sprinkler heads shall be placed so that the overlap areas under irrigation from adjacent sprinkler heads shall be minimal. Special sprinkler heads shall be used as necessary to preclude the application of water on paved areas that do not require irrigation.
6. Systems that are tapped from inside the house MUST be equipped with a water shut-off valve accessible to District personnel.
7. A $600.00 dollar filing fee is required.
8. A New York State approved Backflow Device may be installed on either the main service pipe directly after the meter or the branch line serving the sprinkler. **Annual testing of DCVs IS required.**
9. In lieu of a DCV, A Pressure Vacuum Breaker (PVB) may be used on the branch line from inside the house. **Annual testing of PVBs is NOT required.**
10. All systems must be inspected and approved after installation is complete. Please call for an inspection appointment.
11. **Munsey Park Residents must also file with Village Hall before commencing work.**

TYPICAL PVB INSTALLATION

Installation Guidelines

- Consult local codes for requirements and restrictions applicable to the area. FEBCO recommends at least 20 psi (138 kPa) for system supply pressure.
- Install the valve only in the orientation/flow direction shown. The air inlet operates in the vertical position. Installation in any other manner causes the device to malfunction.
- Install the valve where it is accessible for periodic testing, maintenance, and repair. The clearances recommended apply to exterior and interior installations. (See Figures 1 and 2.) These minimums do not apply to removable protective enclosures. Refer to local codes for requirements in the area.
- Before installing the valve into the supply line, flush the line of all foreign material.

NOTICE

Failure to flush the line may cause the check valves to become fouled and require disassembly for cleaning. Install the device where spillage is not objectionable, as instantaneous siphon conditions and pressure surges can cause spitting.

- When threading the assembly in line, place the wrench only on the ball valve hex ends. Keep pipe dope (sealant) off the interior surfaces of the valve. After installation, fill the assembly with water and test the device to ensure proper operation. Open the inlet ball valve to pressurize the unit. Slowly open the outlet ball valve to fill the downstream line.

NOTICE

Maintain the downstream pressure above 5 psi (34 kPa) to keep the spring-loaded air inlet poppel closed. If the check valve fails to hold 10 psi minimum, it has become fouled and must be cleaned. Close both ball valves and bleed pressure from the device before disassembly. (For more information, see "Service Procedure.")

NOTICE

All assemblies are tested at the factory for proper operation and leakage. If the valve does not pass the field test, it may contain a fouled check valve. This condition is not covered by the factory warranty. Remove the valve cover then inspect and clean the check seats. Any damage or improper operation caused by pipeline debris or improper installation/startup is not included in the factory warranty. In case of a warranty claim, contact the local supplier or FEBCO representative. Do not remove the assembly from the pipeline.

- Protect the assembly from freezing and excessive pressure increases. Pressure increases can be caused by thermal expansion or water hammer. Eliminate excessive pressure situations to protect the valve and system from possible damage. Use the plastic test cock plugs and tethers included in the packaging, if required. For information on freeze protection, download IS-F-765-Winterization.

Figure 1 Top View

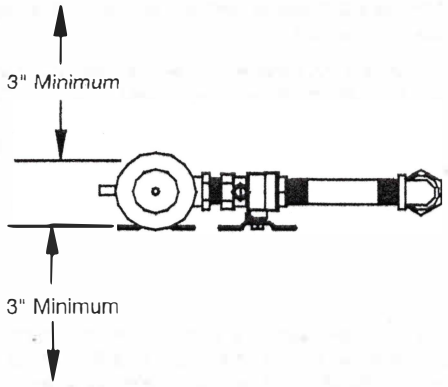

Figure 2 Side View