



3450 W. 131st. Street  
Carmel, IN 46074

317-733-2855  
Fax: 317-733-2053

**CITY OF CARMEL  
LAWN SPRINKLING/ IRRIGATION SYSTEM  
SPECIFICATIONS**

Per City of Carmel Ordinance, A-69 and City Code 9-52, an irrigation permit must be obtained **PRIOR** to installation of all land irrigation devices or in-ground automatic sprinkling systems. *Please contact our office for current rates and fees*

**You must have a City of Carmel Irrigation Contractor License. (No Fee) The application for contractor license is in the specifications, on our website at: [www.carmelutilities.com](http://www.carmelutilities.com) or [www.carmel.in.gov](http://www.carmel.in.gov)**

**Installation of the sprinkler system should in no way enter or damage the meter pit.** All connections must be made 5 feet outside the meter pit on the house side of the water line. You may no longer go under the pit wall. All connections must be at least 5' away from the meter pit. Refer to illustration page 3.

**You must have moisture sensing technology OR weather detecting technology for all irrigation installs. (Rain Sensor OR weather detecting controller)**

**BACKFLOW**

All irrigation systems must have an IDEM certified backflow device. A list of certified devices can be found at: [www.in.gov/idem/](http://www.in.gov/idem/). The device must be tested and tagged at the time of installation and irrigation activation by a **Certified Back Flow Device Tester**. Tag requirements are as follows: name of inspector, date of inspection, and model number, serial number, and size of the backflow device being tested. Backflow tests are to be submitted, online to our backflow program, 30 days after installation/ turn on each year. **Non-Compliance will result in an administration fee.** Please follow the below link for the City of Carmel Backflow online form. All tests are to be submitted using this form, **we will no longer be accepting handwritten, scanned or faxed test results.** There is no charge to use this form and the form can be used on any device.

[www.carmelutilities.com/backflow](http://www.carmelutilities.com/backflow)

**Backflow Replacement**

At the time of backflow replacement at any irrigation, domestic water line, or fire line (residential OR commercial), Carmel Utilities must be notified for a Backflow Replacement Inspection. The cost of this inspection is the same as a trip charge. This inspection is needed to be sure that all requirements and IDEM specifications have been followed. The inspector will also be checking that the backflow device has been tested and tagged at the time of installation. Backflow test results should be submitted to our backflow program within the 30-day time frame after installation.

There will be a **TRIP CHARGE** for non-compliant/re-inspected irrigation systems after the irrigation completion date set by the contractor on the irrigation permit.

**\*PLEASE CONTACT LISA KEMPA FOR COMMERCIAL IRRIGATION SYSTEMS\***

**\*\* All of the above notes are clearly specified in City of Carmel Ordinance A-69 and City Code Section 9-52. Improper installation methods will be treated as Ordinance violations and subject to fines as established in Section 9-16 of the City Code.**

**COMMERCIAL INSTALLATIONS  
COMMERCIAL OFFICE COMPLEXES, APARTMENTS, COMMON AREAS**

1. You must submit plans to John Duffy at Carmel Utilities. 317-571-2267.
2. After approval; begin with step 1 thru 6 per Residential Specs (above) at the Carmel Water Distribution Office. 733-2855.

**ITEM # (REFER TO DRAWING)**

1. Meter Pit Lid
2. Meter Yoke
3. Street Side Angle Valve
4. House Side Angle Valve
5. Meter Pit Wall
6. In coming Service Line, House side Service Line.
7. Corporation Stop.
8. The PVB or other approved device shall be at least 6" above the final grade. The PVB is the minimum standard device is required and must be approved by the Carmel Water Department.
9. Test Cocks
10. Shut Off Valves – ¾" to 2.5" shut off valves must be ball type valves. Four (4") inch shut off valves or larger must be a resilient gate type valve.
11. The PVB must be at least 12" above the highest outlet. RP minimum 6" above final grade.

**\*\* Installation requirements are listed in Ordinance A-69**

# CITY OF CARMEL -- UTILITY DEPARTMENT

Specifications include lawn sprinkling systems  
installation requirements.

Standard Meter Pit Installation for  
5/8 x 3/4" and 1" Water Meters

