

Permit Requirements

Property owners who wish to install, expand or substantially modify an irrigation system are required, in advance of such work, to obtain an irrigation permit from the Florida Department of Health in Volusia County. Irrigation installation requirements are described in the following county ordinances:

Landscape Irrigation Ordinance (<http://www.volusia.org/services/growth-and-resource-management/environmental-management/pollution-control/waterwise-landscape-irrigation-ordinance/>)

Wells, Pumping Facilities & Irrigation Systems - Section 74-31 to 48 County Ordinance (<http://volusia.floridahealth.gov/programs-and-services/environmental-health/irrigation-construction/irrigation-forms.html>)

We Volusia County Health Department developed an Irrigation Permitting Packet (http://volusia.floridahealth.gov/programs-and-services/environmental-health/irrigation-construction/_documents/irrigation-permit.pdf) in order assist applicants. It includes the application form, a Contractor/Owner Irrigation Self Certification Checklist and a site plan template. Please call our office at 386-274-0694 for more information.

A summary of site specific requirements is as follows:

1. Automatic irrigation controllers, when utilized, shall contain a functional rain sensor device, capable of being set to one minute run times, and battery backup capability to retain programming in the event of a power failure.
2. A rain sensor placed on a stationary structure, free and clear of any overhead obstructions and above the height of the sprinkler coverage.
3. Equipment with check valves used in low-lying areas to prevent low head drainage.
4. Backflow prevention methods and other provisions prescribed in section 74-42.
5. Irrigation design with the appropriate uniformity for the type of plant being grown and for the type of soil.
6. Irrigation system equipment installed as designed.
7. Irrigation zones divided according to: available flow rate, vegetated groupings (i.e., turf, shrubs, native plants, etc.), sprinkler types (i.e., sprinklers with matching precipitation rates) and soil characteristics.
8. Spray heads and rotors not mixed in same zone.
9. Distribution equipment in a given zone having matched precipitation rates.
10. Application rates that avoid runoff and permit uniform water infiltration into the soil, considering land slope, soil hydraulic properties, vegetative ground cover and prevailing winds.
11. A minimum separation of four inches between distribution equipment and pavement.
12. A minimum separation of 12 inches between distribution equipment and buildings and other vertical structures.
13. No direct spray onto walkways, buildings, roadways and drives.



STANDARD CONSTRUCTION DETAIL IRRIGATION SYSTEM REQUIREMENTS

NTS.

INDEX

LS-14A

MAY 2020