

City of Apopka

Summary of Irrigation Design and Installation Requirements

- High volume irrigation (greater than 5 gallons per minute) area must not exceed 50% of the landscaped area or cover no more than ½ acre on single-family residential lots (whichever is less). Low or medium volume irrigation areas may be utilized in lieu of any high volume irrigation area.
- Medium volume irrigation (½ - 5 gallons per minute) area must not exceed 25% of the landscaped area.
- Low volume irrigation (micro-irrigation) areas may be utilized for an entire landscape. No less than 25% of the area covered must consist of low volume irrigation.
- Irrigation systems must be designed and installed at a pressure of 40 psi.
- A rain sensing device is required on all irrigation systems and be set to override the irrigation cycle when ½ inch of rainfall or less has occurred. Rain sensors must be placed where it is exposed to unobstructed natural rainfall.
- The use of irrigation risers are prohibited.
- Spray heads and rotors are not to be mixed in the same zone.
- Irrigation zones must be divided according to:
 - available flow rate,
 - vegetation grouping (i.e. turf and plant beds must be separated),
 - sprinkler types (i.e. sprinklers with matching precipitation rates, and
 - soil characteristics.
- There must be a minimum separation of 4 inches between distribution equipment and pavement.
- There must be a minimum separation of 24 inches between distribution equipment and buildings or other vertical structures.
- Narrow areas, 4 feet or less, are not to be irrigated unless low volume/micro-irrigation is used.
- Low volume irrigation is required for all trees, shrubs, and groundcover beds. The City may waive this requirement if special circumstances exist.
- No direct sprays onto walkways, buildings, roadways, and drives.
- Rotors and sprays in turf areas must be spaced to provide head to head coverage.
- A maintenance checklist must be provided to the property owner by the irrigation contractor and include a recommended maintenance schedule, proper irrigation system settings according to season, recommendations for checking the rain sensor device, filter cleaning recommendations and information on the current water restrictions within the City.
- Upon completion, a tag or sticker must be affixed to the timer box. The tag/sticker must include the permit number (for non-residential), a copy of the landscape and irrigation certification checklist,

date installed, number of zones, and installer's name.

- A valid permit must be obtained from the City prior to installation, expansion, or modification for all development except for individual single-family residential homes.
- Prior to the issuance of a permit for construction of a new non-residential building, common area, or the substantial alteration of a non-residential building or site, an irrigation plan (when required) shall be submitted and approved by the City.

* For more information, please refer to Ordinance 2069 on the City website at www.apopka.net or contact the Public Services Department at 407-703-1731.