

# Villas of Lake Destiny Irrigation System Overview

The Villas of Lake Destiny Irrigation System consists of 5 irrigation controllers. These controllers are located on the outside garage walls of units (100, 120, 123, 136 & 137).

Each controller has from 2 to 7 zones on it and each zone controls the timing of several sprinklers. There are a total of 21 zones on the 5 controllers.

Each of the controllers is set to go off at a specific time so as to not conflict with the watering done with the other controllers. The reason for this is that if two zones on different controllers are heavy users of water both zones will not have enough water pressure to “throw” the water out from the sprinkler head. In those cases, the water just gurgles out of the sprinklers and pools around the sprinkler head and the plants don’t get any of it.

Once a controller’s start time is reached each of the zones is watered for the set time. As soon as the first zone is done, it stops and the second zone on that controller begins until all zones are watered. Most of the time, each zone is set to run for 20 minutes. In periods of severe drought the time is set to run for 30 minutes.

The watering schedule (Days we can irrigate) is guided by the St. Johns Water Management District. Generally that means we water on Thursday and Sunday during the summer (denoted by Daylight Savings Time) and on Sunday only during the winter (when Eastern Standard Time is observed).

## **Scheduling Challenges**

The primary scheduling challenge is getting all the watering done for the 21 zones before 10:00 AM, after 4:00 PM and not during heavy pedestrian times (leaving for work or arriving home at the end of the day etc.).

Another challenge is trying not to water too early in the evening so that the grass is wet for long periods of time overnight. That can cause lawn fungus problems.

## **Additional Information**

See the Villas website for the schedule and instruction manuals for the various controllers on the site.

<http://villasoflakedestiny.com/boarddocuments/boarddocuments.htm#boarddocumentsirrigation>

or, the St. Johns Water Management District website

<http://www.sjrwmd.com/wateringrestrictions>