



Green Trends 2011

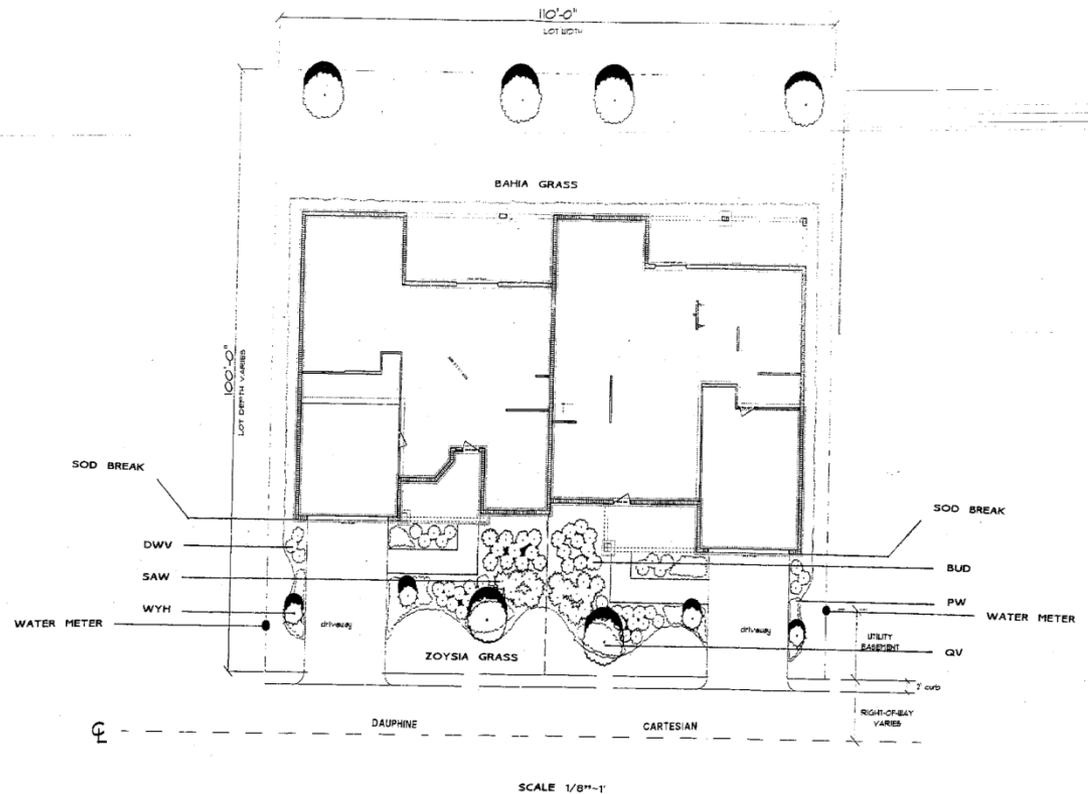
Achieving Florida Water StarSM – Two Case Studies

Presented by

Phillip Hisey, On Top of the World Communities.

Case Study #1

- Renaissance Park – Duplex Models
 - Cartesian
 - Dauphine



110' X 100' LOT Dimensions & Setbacks



Plant Palette

- All plants listed on the Florida Friendly Plant Palette
- Plant Palette listed plants that were not interchangeable due to FWS Plant requirements



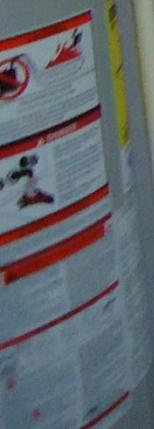
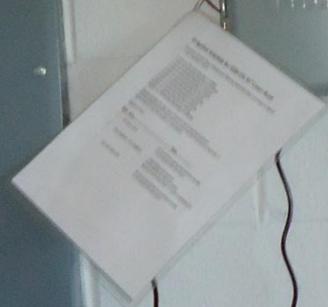
Sod

- Irrigated Empire Zoysia front yards
- Un-irrigated (after establishment) Bahia Back yards
- Break point was the front corner of the home

Irrigation system

- Landscape beds low volume/drip irrigation
 - Landscape plants larger than 3 gallon size receive 2 gph emitter
 - Landscape plants 1 gallon and smaller receive irrigated with an adjustable spray spike per 3-4 plants
 - Application rate 0-32 gph
- Irrigated Empire Zoysia
 - Pressure Regulated spray heads
- Un-irrigated Bahia
 - Temporary Rotors on poly line

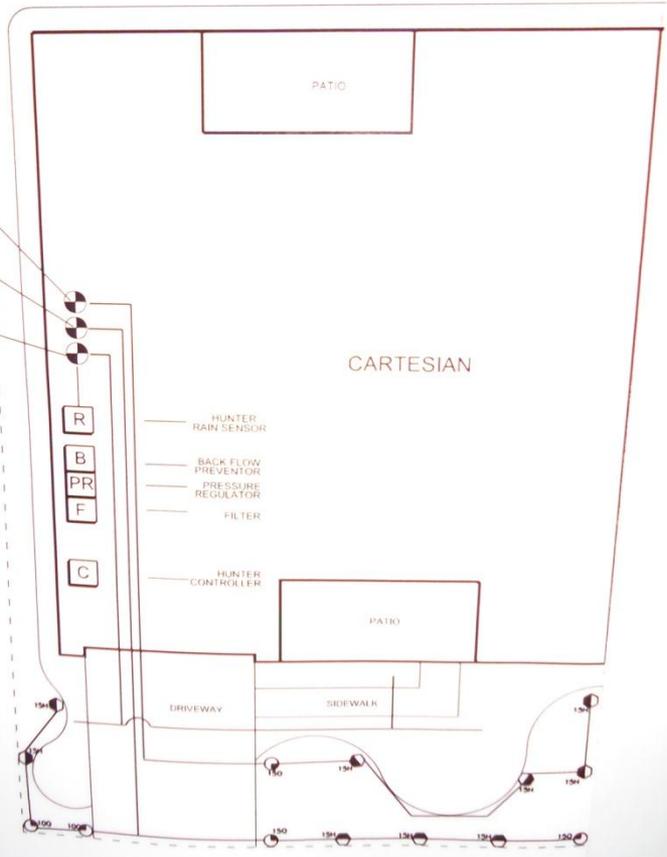
Smith
Max




BUBBLERS ON ZONE #2


- 1
- 1"
- 3
- 1"
- 2
- 1"

C:\Documents and Settings\jbailey\Desktop\OTDOW_IRR_AS-BUILT-revised.dwg, 6/5/2008 11:55:09 PM, jbailey



Benefits of Pressure Regulation

Pressure Regulated

- Increased efficiency at 30psi.
 - Nozzles designed to work at 30 psi with a certain precipitation rate and usage
- Accidents happen, when heads break

Not Pressure Regulated

- Efficiency decreases at higher pressures.
 - Heads use pressure supplied. Application rate and consumption increases
- Accidents happen, when heads break
 - Show psi

Cost comparison

- 3-4 zone system for FWS home
 - 1 drip
 - 2-3 sprays using Pressure Regulation**\$1,600**
- 4-5 zone system
 - No drip irrigation
 - All zones may be sprays or rotor depending on size**\$900-\$1,400**

Water Usage

- Florida Water Star
 - Irrigation use only
4,000-5,000 gallons
per month
- *Irrigation based on 2x's
per week during EST
and 1x during DST
- Current home
landscape/irrigation
construction within On
Top of the World
 - 15,000-18,000 gallons
per month
 - *Irrigation based on
2x's per week during
EST and 1x during
DST

Interior Components

- Push Pull valve due to demographic for toilets, sinks, water heater
- Low Flow aerators and Shower Heads
- Dishwashers 5.8 gallons per cycle
- Toilet 1.6 gallons per flush



Thank You

**PHILLIP HISEY, LANDSCAPE MANAGER
ON TOP OF THE WORLD COMMUNITIES, INC
WWW.OTOWFL.COM**