

Harlan Ranch

Clovis, California

A Master Planned Irrigation System





- Harlan Ranch is being developed by local builders Wathen-Castanos Homes & Wilson Homes.
- Harlan Ranch is located in the northeastern part of Clovis, California.
- The site is approximately 400 acres and will have 1800 homes, an elementary school, 14 parks, a recreation center and local commercial businesses.
- Homeowners will also have a view of the Sierra Nevada mountains.





Harlan Ranch Recreation Center





Harlan Ranch Recreation Center



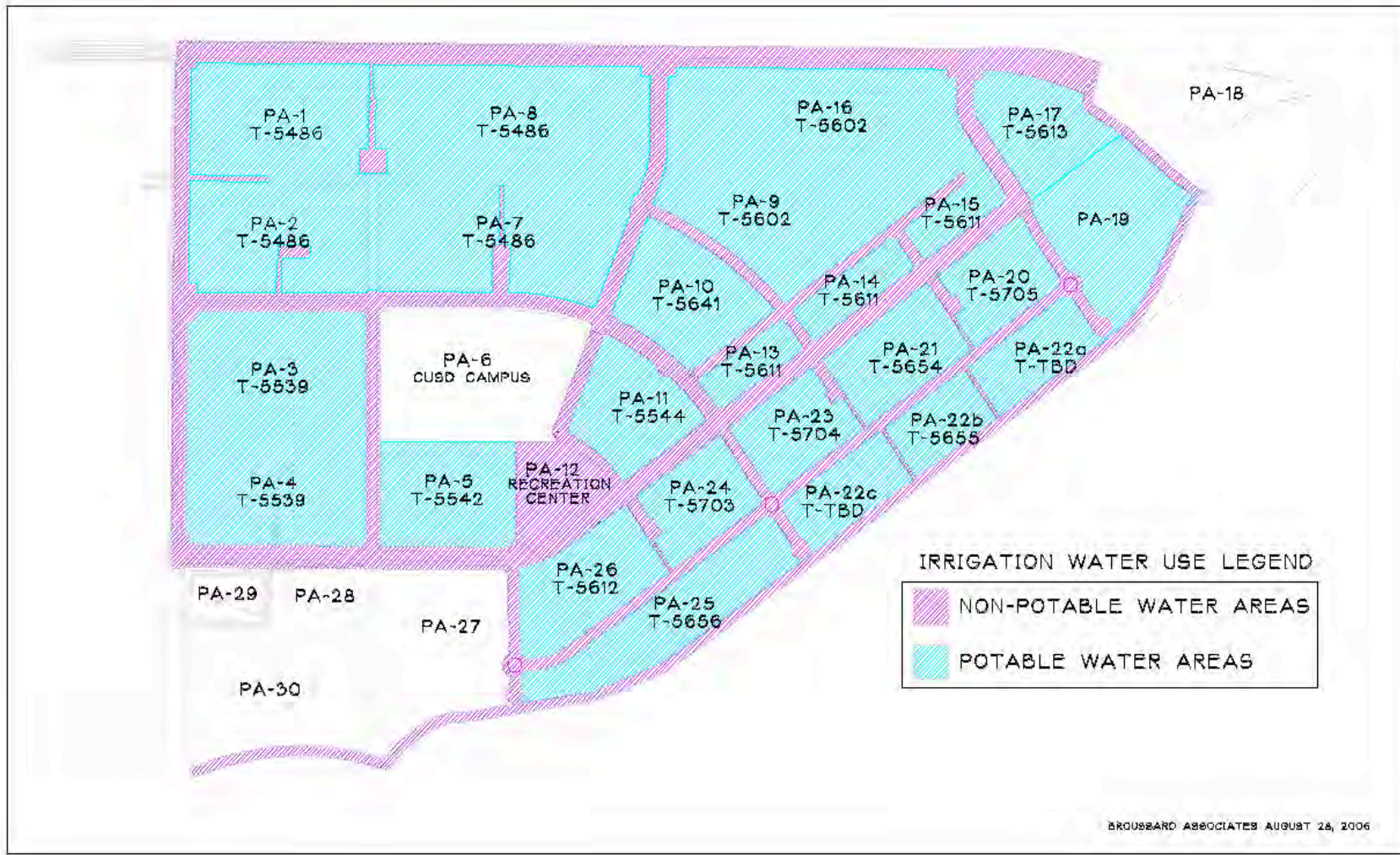


Master Site Plan





Water Use Plan





HARLAN RANCH
A Master Planned Community

Irrigation Equipment

<i>Manufacturer Quantity</i>	<i>Equipment</i>	<i>Model</i>	
Toro	Turf & Shrub Spray Head	570Z-PRX-COM	80,000
Toro	Turf Rotor's	TR-50	250
Toro	Electric Valve's	P220-27-RW60	2,000
Toro	Sentinel Satellite's	Plastic Pedestal	50
Toro & Irritrol	Smart Controller's	Intellisense	750
Toro	Low Volume	Emitter's	2500
Rain Bird	Root Watering System	Bubbler's	
1500			
Rain Bird	Enclosed Pump Station's	VFD	



Irrigation Master Plan Reminders

- Continuous Adjustments



- Electrical Power



Irrigation Master Plan Reminders

- Material Storage



- Pipe & Wire Sleeving



Water Conservation Irrigation Design Guidelines

- **Always use pressure regulated sprinklers and other devices.**
- **Use check valves on all slopes and sprinkler heads.**
- **Use low volume irrigation whenever possible and applicable.**





HARLAN RANCH
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Los Angeles Times

Smart Sprinklers Sense Landscape Water Needs

devices use weather satellite data to
Southland yards. [HOME EDITION]

Steve Hyslop, The Los Angeles Times, Los Angeles

Full Text (307 words)

Copyright © The Times Mirror Company, Los Angeles



Southwest Trees & Turf Magazine
May 2003 Issue
Web site: www.swtreesandturf.com

ET controllers balance Nature's Unpredictability

By Rob...

- Increased legislation that reduces outdoor water use will require viable alternatives.

- Smart controllers will be one of the answers to our need to save water over time.

Options for Weather Based
The ET Controller Has
Author: Tom Ash
Landscape Curriculum Ave
EPA National Research Center
From the Water Watch blog
Is 2003 the year that the p
true? Studies with ET cont
beyond are returning consi
by the California Urban W
southern California, eight d

GRANGE COUNTY
Excessive Watering
By David Reyes, Times Staff Writer
In an effort to reduce urban runoff
of sophisticated home-
sprinkler devices that control the
landscaping
The \$1.6-million program is designed
to prevent people from over-watering
their flower beds and lawns, said Keith
G. Coolidge, a spokesman for the
Municipal Water District of Orange
County. The district hopes to reduce
the amount of...

Times Headlines
Orange County's Jobs Put Credits on the \$1
OCTA Hires Expert to Help Fix Flaws in Freeway
Bridge
Giveaway Could Cut Excessive Watering
Ban on Talena Beverage Denied





1967 Toro Wave
Sprinkler



2007 Toro TR50
Sprinkler



- 2007 Toro Controller

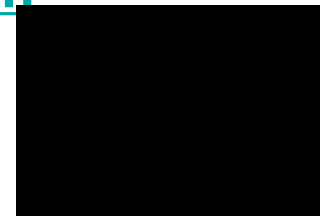
λ 1967 Toro Controller

WaterSense and IA professional certifications

- IA is EPA WaterSense partner
- IA certification programs the first to earn EPA label
 - Certified Irrigation Designer
 - Certified Irrigation Contractor
 - Certified Landscape Irrigation Auditor
 - Certified Golf Irrigation Auditor
- Once the certified individual becomes a WaterSense partner, can use WaterSense partner logo in addition to IA certification logo(s)



www.epa.gov/watersense/partners/join/index.htm





International Irrigation Show

San Diego, CA, 2007 – Anaheim, CA, 2008

- 2007 Exhibition: December 9-11
- 2007 Certification and Education: December 6-11
- Apply and register to take IA certification exams at the show
 - application/registration must be received by the IA at least 30 days in advance of exam dates
- Take IA classes to help you prepare
- Visit the EPA booth and show seminar



Thank You.

Harlan Ranch Irrigation Design By:

Glenn Bowlin CID, CIC, CLIA, CGIA

EPA WaterSense Partner

IA Ambassador – State of California, Arizona, Nevada

BROUSSARDASSOCIATES
landscape architects

389 Clovis Avenue, Suite 200
Clovis, California
(559) 325-7284

