

### Hacienda Mobile Home Estates, California



#### LANDSCAPE DESIGNER

ValleyCrest Design Group

#### IRRIGATION CONTRACTOR

Paul Bird

ValleyCrest Landscape Maintenance

#### PROPERTY MANAGER

John Davis

Haven Management

#### RAIN BIRD PRODUCTS

- XFD On-Surface Dripline
- XFS Subsurface Dripline
- XFCV Dripline w/Heavy-Duty Check Valve
- XCZF-175-PRF Control Zone Kit

*"The breadth of Rain Bird's dripline product enables us to solve more problems and offer more water-saving solutions to our customers."*

— Paul Bird

ValleyCrest Landscape Maintenance

#### PROJECT OVERVIEW:

Hacienda Mobile Home Estates' property manager, Haven Management, anticipated both higher water costs and more watering restrictions, which would mean sacrificing the quality of the landscaping, consisting of 88,000 square feet of turf. Hacienda chose to replace the turf with drought-tolerant plants. To meet all of the property's needs — and also lower water usage — ValleyCrest Landscape Maintenance installed all three versions of Rain Bird's dripline products at the property: XFD On-Surface Dripline, XFS Subsurface Dripline and XFCV Dripline with Heavy-Duty Check Valve.

#### CHALLENGE:

One past problem noted by the property manager was significant overspray on sidewalks from the sprays, an obvious water waster that needed to be eliminated with the new landscape and irrigation design. The property also has many mature trees and hilly areas, which ValleyCrest factored into the design and installation of the system. The cost for turf removal was also a challenge and to make it affordable, ValleyCrest leveraged a \$2 per square foot turf-removal rebate from the Metropolitan Water District, as well as a \$1 per square foot turf-removal rebate from the Inland Empire Utilities Agency.

#### RESULTS:

Watering sloped areas with a dripline is a great option to prevent significant runoff and erosion. For the sloped areas at Hacienda, ValleyCrest installed Rain Bird's XFCV Dripline, which is an on-surface dripline that uses a heavy-duty check valve to prevent water leaking out of the emitters after the watering schedule is completed.

Paul Bird of ValleyCrest Landscape Maintenance said, "Hacienda kept one small area for turf, but instead of using sprays to water this area, we utilized the XFS Subsurface Dripline. The copper tubing doesn't clog, delivers great results and eliminates the potential for overspray on sidewalks." The XFS Subsurface Dripline utilizes a patented copper shield to prevent roots from entering emitters and clogging the dripline.

To keep Hacienda's mature trees healthy and ensure they receive water, ValleyCrest installed extra rings of the XFD On-Surface Dripline around the base of the trees. Bird stated, "The trees were used to getting the water they needed from the sprays that were watering the grass; now using dripline, we needed to take an extra step to ensure they stayed healthy." XFD On-Surface Dripline now provides water to the drought-tolerant plants throughout the property. ValleyCrest anticipates that the project will result in water savings of 70 percent.