

Demonstration Garden, West Vancouver, British Columbia



CONTRACTOR/DESIGNER:

Coastal Irrigation, Inc.

RAIN BIRD SALESPERSON:

Stuart Bookbinder

PRODUCTS USED:

- ET Manager™ Cartridge
- ESP-LX Modular Controller
- XF Dripline
- Root Watering Series
- PEB 100 PRS-Dial Master Valve

PROJECT OVERVIEW:

Specializing in a coastal environment in the Pacific Northwest, Coastal Irrigation, Inc., is a recognized leader in low-volume irrigation solutions. With the construction of a new demonstration garden, the company sought to demonstrate the water-saving ability of the Rain Bird® ET Manager™ Cartridge and drip irrigation system.

CHALLENGE:

Located at Coastal Irrigation's headquarters, the demonstration garden would be constructed on a steep hillside. The team was concerned about wasting water and excessive irrigation that could lead to washout or even the hill's collapse. To combat the garden's sloped, rocky terrain, the Rain Bird system would need to promote water efficiency through high-uniformity, direct-to-plant watering.

SOLUTION:

Coastal Irrigation selected Rain Bird® XF Dripline because of the product's ability to conform to the narrow, winding spaces of the garden's rock features. To manage the garden's irrigation system, the company chose the ESP-LX Modular Controller combined with the ET Manager™ Cartridge. Thanks to live, hourly climate updates from local weather stations, the cartridge can accurately adjust the irrigation schedule to apply just the right amount of water for the landscape. For the demonstration garden, that means no run off or erosion of the hillside. In addition, as a busy contractor it was a relief to know he could set the controller and ET-based add-on device and leave it through rain events or seasonal changes.

COST AND WATER SAVINGS:

Rain Bird® XF Dripline alone has saved Coastal Irrigation more than 80,000 gallons of water. The Rain Bird® ESP-LX Modular Controller and ET Manager™ Cartridge have resulted in additional water savings of more than 45,000 gallons—for total system savings of more than 125,000 gallons.