PROJECT DESCRIPTION

The Miramar Infrastructure Phase I project calls for the demolition and grading of over 1,000,000 SF of surface areas to install new ADA compliant walkways and parking with lighting, landscaping and irrigation. The landscape architecture component is designed to respect the character of the existing site, while at the same time enhancing it with vegetation and other elements that will provide a more drought tolerant, low water use environment that requires less maintenance. The new landscaping will use reclaimed water for irrigation.

SUSTAINABLE FEATURES

- The types of plants used for the landscape project are a combination of “California friendly” trees, shrubs, and groundcovers. These non thirsty plants grow well in our Mediterranean type climate, with the ability to tolerate less water. They include several native species. The landscape design is intended to provide year round, aesthetically pleasing outdoor environment appropriate for this campus setting.

- The irrigation design and equipment incorporates a number of proven water and soil conservation methods and principles. The irrigation system uses an automatic controller that measures the amount of moisture in the air and soil, and automatically adjusts water accordingly. Plants are grouped by “hydrozones” - so that those with similar requirements for sun and water exposure are clustered together to increase irrigation efficiency.

- Natural and reintroduced vegetation also help with storm water management and pollutant removal. Vegetated depressions in the ground – known as “swales” – collect and filter rainfall and runoff. Plants, trees and other vegetation remove pollutants before they can enter the storm drain system, and help control erosion. The new parking lots at Miramar will all have shallow vegetated swales between the rows as a storm water management tool.
PROJECT NAME ................................................................. INFRASTRUCTURE PHASE I
FUNDING SOURCE ............................................................ PROPOSITION S
ARCHITECT ................................................................. WIMMER YAMADA AND CAUGHEY
CONSTRUCTION MANAGER ............................................. GAFCON, INC.
ELECTRICAL ENGINEER .................................................. LSW ENGINEERS CALIFORNIA INC.
MECHANICAL ENGINEER .................................................. MA ENGINEERING
CIVIL ENGINEER ........................................................... RBF CONSULTING
LANDSCAPE ARCHITECT ................................................. WIMMER YAMADA AND CAUGHEY
CAMPUS PROJECT MANAGER ........................................... JWEST COAST GENERAL CORPORATION
PROPOSITIONS S AND N PROGRAM MANAGER ............... GAFCON, INC.
CONSTRUCTION DURATION ............................................. 2008 - PRESENT
PROJECT BUDGET ........................................................... $9.7 MILLION