CHARLES DAVID KEELING APARTMENTS

LA JOLLA, CALIFORNIA

Owner
University of California, San Diego

Client
Kieran Timberlake

Services
Civil Engineering
Surveying

Construction Cost
$49.9 Million

Completion Date
2008 - 2011

LEED Certified
Platinum Level

Key Personnel
Steven D. Nasland, PE; Principal
Greg Kump, PE; Project Manager

Project Summary

The Charles David Keeling Apartments (originally known as Revelle College Housing) project is located in the Revelle College neighborhood of the University of California San Diego (UCSD) West Campus. The site comprises approximately two-acres located south of the planned Housing and Dining Administration Services Building, west of the existing The Fleet Buildings and Parking Lot P104, and east of North Torrey Pines Road and Scholars Drive South. The project includes three housing buildings (510 beds) with associated outdoor areas to promote a more usable, student friendly, and storm water conscious area. The project was needed by UCSD to meet the ever increase student population and lack of on campus housing.

The project included innovative strategies for limiting the quantity and improving the quality of stormwater runoff which included a bio-swale along Scholars Drive South, surface detention of low flows of stormwater and an extended surface detention basin on the south side of the proposed project. The interior courtyards were also utilized for stormwater treatment with a bio-filtration basin.

Creative design and construction phasing had to be utilized with the re-routing of existing underground utilities and storm drains that originally crossed through the middle of the site. Construction coordination with the Housing and Dining Administration Building was essential because of the crossing over of the limits of work and desired seamless interaction between the two projects landscape, hardscape, and building layouts.

Nasland Engineering worked closely with the landscape architect to ensure the hardscape and landscape work together and to have not only a visual appeal but a functional aspect as well. The functional aspect was the design and layout of the multiple bio-swales throughout the site that helped to work the stormwater retention, treatment, and infiltration.

Awards

2013 “Engineering Excellence Small Firm Merit Award” - ACEC California
2012 “Outstanding Environmental Engineering Project” – ASCE Region 9 Award
2012 “Outstanding Chapter Project of the Year” – American Public Works Association
2011 “Award of Merit” – American Society of Civil Engineers

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