



Core West Parking Structure and Street Improvements

University of California, Santa Cruz

Civil Engineering



This parking structure was a unique design challenge in that it is surrounded by a towering redwood forest inhabited by many rare and endangered plants. Besides the design of typical grading, drainage and erosion control plans, our work also included the design of over 1500 linear feet of ADA accessible pathways to and from the facility; several new bus stops and two new roadway intersections; multiple retaining walls of timber, masonry and concrete; and, several utility extensions all while serving the environmental sensitivities of the area.

To save cost and reduce the total land area required for improvements, we designed several elements of the storm water detention system to integrate with the building foundation, resulting in a far more compact and efficient design. To minimize adverse impacts, we incorporated a state-of-the-art storm water treatment system to treat runoff before returning it to the forest.

Client Reference:

Nick Watry, Principal Architect
Watry Design Group
815 Hamilton Street
Redwood City, CA 94063
(650) 298-8150

Budget: \$9 million



2002 Award of Excellence from the International Parking Institute