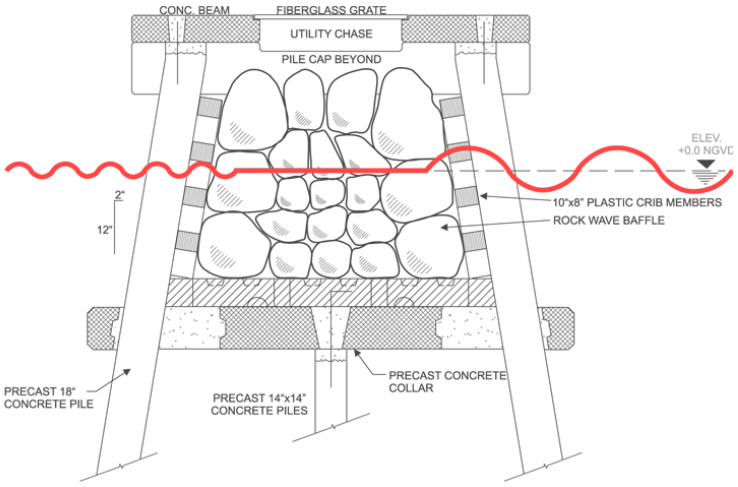
Miamarina, Florida

waterfront & marinas

When damage sustained by Hurricane Andrew justified the demolition of Miamarina, Coastal Systems International, Inc. produced a conceptual plan and provided preliminary and final designs for the new 130-slip marina. After participating in a feasibility study for the development of the improvements, Coastal Systems designed a wave baffling system to greatly reduce the wave activity that has historically hindered the efficient operation of this facility. The design also minimized long-term maintenance, while maximizing resistance to hurricane storm conditions. To aid development of the optimum design, Coastal Systems conducted a physical model study that was used to test the wave transmission and reflection characteristics of the proposed crib structure and wave energy absorber. It was this design that allowed the City of Miami to qualify for hazard mitigation funding from FEMA (Federal Emergency Management Agency).

Construction plans and specifications were prepared for the concrete fixed docks. The docks feature a unique utilities chase spanned by fiberglass grating to provide ease of access to marina utilities. Coastal Systems processed and secured all regulatory permits as part of the comprehensive service package for the City of Miami. In addition, construction administration services were provided from implementation to project completion in August of 1997.



Wave Baffling System

During Construction

Marina in Use

Client:	City of Miami
Location:	Miami, Florida
Date of Completion:	1997
Construction Cost:	$4,570,000