

# Capri South Beach, Florida

civil engineering



Capri South Beach encompasses 3 distinctive buildings with 72 fully furnished residences on nearly 500 feet of spectacular Bay frontage. Coastal Systems was part of the design team for the redevelopment of this waterfront area of South Beach. Site civil engineering services were provided to design the paving, grading stormwater management and right-of-way streetscape for the 4-acre site. The stormwater management included the design and permitting of three drainage injection wells. Miami-Dade DERM and NPDES permitting services were also provided. Coastal Systems also designed the water and sanitary sewer services for the site. Fire lines, potable water, and sanitary sewer lines were coordinated with the MEP consultants for the three buildings.

As part of the site development, Coastal Systems also designed and permitted the waterfront improvements. These improvements included approximately 500 linear feet of sheet pile bulkhead with a concrete cap. The design was coordinated with the Baywalk waterfront promenade. The bulkhead also provides access to the 14-slip marina. Coastal Systems designed fixed timber docks supported by concrete piles along with marina utilities including shore power pedestals, fire protection, and sewage pump-out systems.



Site Improvements



Dock Facilities

**Client:** Maefield Development

**Location:** Miami Beach, Florida

**Date of Completion:** 2008

**Construction Cost:** \$600,000 (Est.)



Waterfront Baywalk

