

Capri South Beach Streetscape, Florida

civil engineering



Coastal Systems provided streetscape design services to improve the right-of-way for 16th Street and Lincoln Terrace street ends as part of the Capri South Beach Project. Capri South Beach encompasses 3 distinctive buildings on nearly 500 feet of waterfront on Biscayne Bay.

The streetscape improvements included decorative pavers along with parking, sidewalks and landscaping to accommodate adjacent residences as part of the overall neighborhood improvements.

Prior to construction of the streetscape, Coastal Systems designed underground utilities. The Lincoln Terrace street end is approximately 325 feet long and required the design of a 12-inch water main extension. Similarly, the 16th Street extension is approximately 400 feet long, and required an 8-inch water main extension as well as the slip lining of an existing 8-inch sanitary sewer line.

Both street ends were low in elevation and adjacent to the bay and presented challenges for the drainage design. Detailed topographic surveys were obtained to determine the drainage area for the right-of-way for use in the hydrology study. Several options were evaluated and an inverted-crown configuration for the street ends was selected.

The drainage improvements included the design of stormwater pumping stations connected to outfalls with associated controls and structures.



Streetscape Improvements



Streetscape Improvements

Client: Maefield Development

Location: Miami Beach, Florida

Date of Completion: 2008

Construction Cost: \$600,000

