

# South Pointe Park, Florida

civil engineering



Coastal Systems provided civil engineering and coastal/environmental permitting services as part of the multi-disciplined design team lead by the landscape architectural firm Hargreaves Associates. South Pointe Park is located at the southern end of South Beach in Miami Beach. The park is bounded by the oceanfront, Government Cut, and Biscayne Bay. These coastal and waterfront environments present many challenges, but the project also provided an opportunity to create a unique park experience.

Coastal System designed the stormwater management for the 19-acre site which included a system of drainage retention areas in conjunction with deep water injection wells to prevent any runoff into the bay and inlet. The drainage design was completed in close coordination with the landscape architects to ensure the design vision was maintained throughout the project. Potable water and sanitary sewer services to the park were also designed.

Coastal Systems secured coastal construction and environmental resource permits for the site from the Florida Department of Environmental Protection (DEP). The permitting process required extensive coordination with the design team to ensure compliance for the planned park improvements with the stringent coastal and environmental permitting requirements. Lighting plans were processed for compliance with marine turtle protection requirements.



Site Aerial



**Client:** City of Miami Beach

**Location:** Miami Beach, Florida

**Date of Completion:** 2009

**Construction Cost:** \$22.4 M (Total)

