

# MIAMIBEACH

City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, [www.miamibeachfl.gov](http://www.miamibeachfl.gov)

ENVIRONMENT & SUSTAINABILITY DEPARTMENT

Tel: (305) 673-7010, Fax: (786) 394-4595

## LETTER OF INTENT

TO: City of Miami Beach Planning Department: Design Review Board

FROM: Flavia Tonioli, Sustainability Manager

DATE: December 23, 2016

SUBJECT: Indian Creek/Brittany Bay Park seawall rehabilitation

The Environment and Sustainability Department is submitting an application to the Design Review Board, seeking approval of the site plans for the rehabilitation of the Indian Creek/Brittany Bay seawall, incorporating a living shoreline.

In order to protect existing mangroves along the shoreline and additionally create mangrove habitat, the City of Miami Beach is in the process of adapting the design of the Indian Creek/Brittany Bay Park. The project includes the removal and replacement and/or repair of approximately 600 linear feet of existing steel sheet pile seawall with concrete cap within the Indian Creek Park. The rehabilitation seawall will connect to the existing seawall at the north and south ends of the park, and will have a top of wall elevation of 5.7' NAVD. The remaining existing seawall (approximately 400ft) will be left in place. The wall will be reinforced on the water side with boulders or batter piles, or a combination of boulders and batter piles. At the location of the existing seawall to remain, a concrete retaining/seatwall will be added which will match the elevation of the proposed seawall mentioned above (elev. 5.7). A living shoreline will be added between the existing seawall and the concrete retaining/seatwall. The living shore will be hydraulically connected to Indian Creek, and will have three overlooks that will allow park patrons to walk from the park to the existing seawall's edge. The living shoreline will include native plant species.

This effort is part of the City of Miami Beach Rising Above Resiliency Strategy and will assist the City in bouncing back from shocks and stressors in the face of climate change. In addition, the City will construct educational signage at the Park for residents and visitors' outreach about the importance of protecting the shoreline ecosystem for shoreline stabilization and protection, habitat creation and nursery, water quality, as well as improving the City's resiliency for sea level rise and climate change.

The proposed project will provide improved facilities, as well as, an enhanced experience for the city's patrons through the implementation of the following elements:

- Turtle-friendly, pedestrian lighting to enhance security and safety;
- Living shoreline with native resilient species to provide shoreline stabilization;
- Increased (5.7' NAVD) seawall for coastal protection;
- Improved pathways;
- Improved benches;

- Three overlooks to provide access to water views;
- Educational signage;
- Vegetation improvements;
- Tree removals, relocations and planting.

Based on the above information, the Applicant respectfully requests your favorable review and approval of this application. If you have any questions or comments with regard to the application, please call me at 305-670-7010.

Sincerely,

A handwritten signature in blue ink, consisting of several horizontal strokes and a vertical line, followed by a small mark.

Flavia Tonioli, Sustainability Manager

Cc: Elizabeth Wheaton, Environment & Sustainability Director