

D-6 Stormwater Pump Station



General Description

The D-6 Stormwater Pump Station wetwell and pumps are located in Lake Park between Brazilian Avenue and Australian Avenue adjacent to the Intracoastal Waterway. The station’s electrical equipment and backup generator are remotely located within the D-6 Control Building (formally the Town’s S-1 Building) located at the corner of Royal Palm Way and Lake Drive and adjacent to the A-6 Wastewater Pump Station. The pump station wetwell was originally constructed in the 1960s and underwent a major rehabilitation in 1985. The station was again rehabilitated in December 2012. The D-6 Control Building was also rehabilitated as part of the overall improvements project.

This pump station accepts stormwater runoff from approximately 67 acres through the collection system bordered within Royal Palm Way, South Ocean Boulevard, Australian Avenue and the Intracoastal Waterway. Collected stormwater flows through two 54-inch pipes into a below grade wetwell that has a main chamber located between two side chambers. The main chamber houses two 26,000 gpm electric submersible pumps and each side chamber houses two 13,000 gpm electric submersible pumps. The main chamber also includes a 3,000 gpm duty pump. All pumps discharge through “Tideflex” check valves or flap gates on the terminus of their discharge pipes through a seawall directly into the Intracoastal Waterway.

Prime power for the station is provided by FPL. A new 750kW backup generator and 2,000 gallon convault diesel fuel storage tank were included with the rehabilitation project and are located at the D-6 Control Building site.



Site View

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