

A-6 Wastewater Pump Station



General Description

The A-6 Wastewater Pump Station is located on the southwest corner of the intersection of Royal Palm Way and South Lake Drive at the north end of Lake Park. The pump station is fenced and screened with vegetation at the perimeter of the asphalt drive. The pump station consists of a below grade wetwell and dry well with an above grade structure to house the electrical equipment, water cooled backup generator, and ventilation equipment. The rectangular concrete dry well houses three electric submersible pumps. The rectangular concrete wetwell has an access ladder and below grade elevated platform. Back-up power for the A-6 Pump Station is provided from a water cooled 150 Kw backup generator that is fueled from an exterior below grade fuel tank. A bypass pump out is located north of the station adjacent to the asphalt parking lot.

The wetwell accepts wastewater from a 24" gravity pipe that enters from the north and an 8" pipe entering from the east. The station pumps wastewater from wetwell through an intake pipe into the dry well. The wastewater is then discharged through three pipes with a series of valves and fittings and into a larger common header pipe. After the wastewater enters the common header pipe it is pumped to the forcemain within Royal Palm Way and to the north to the S-2 Pump Station, located in the southwest corner of Bradley Park, adjacent to the Intracoastal Waterway.



Site View