

Palmetto Bay

Prepared For
Village of Palmetto Bay, Florida



Stormwater Master Plan Update



Prepared By
Kimley»»Horn

EXECUTIVE SUMMARY

The Village of Palmetto Bay was incorporated in September 2002. Prior to this date the area within the Village boundaries was part of unincorporated Miami-Dade County. In December 2004, Kimley-Horn completed a Stormwater Master Plan for the Village in preparation of the Village assuming the responsibility for stormwater management within its boundaries. In May 2006, the Village adopted Ordinance 06-07 which established the Village's Stormwater Utility.

In the nine years since the original Stormwater Master Plan was completed, the Village of Palmetto Bay has implemented the recommended Operations and Maintenance Program and constructed several of the drainage projects included in the Capital Improvement Program utilizing grant funding and revenue from the Stormwater Utility. This Stormwater Master Plan Update will enable the Village to examine the effectiveness of the ongoing Operation and Maintenance Program, to evaluate progress in implementing the Capital Improvement Program, and to identify additional Capital Improvement Projects for future reduction of flooding and improvement of water quality within the Village of Palmetto Bay.

To measure the performance of each drainage sub-basin, performance goals were identified in the Village's original Stormwater Master Plan. This report summarizes the performance against goal for each of the ten priority sub-basins (two sub-basins from the original Stormwater Master Plan and eight new priority sub-basins identified as a part of this Stormwater Master Plan Update). This report also recommends improvements that will improve performance in the priority sub-basins. The recommended improvements are the basis for the Capital Improvement Program contained at the end of the report.

The Capital Improvement Program contains approximately \$552,000 in annual expenses related to ongoing Operation and Maintenance of the existing system in conformance with the mandates of federal and state government agencies and the Village's desire to improve drainage conditions. The Capital Improvement Program also contains \$8,000,000 worth of major Capital Improvement Projects recommended for implementation over the next ten years.