



City of Coral Gables
CITY COMMISSION MEETING
February 23, 2021

ITEM TITLE:

Update on Stormwater filters and purification program for the Riviera outfall upstream drainage system.

BRIEF HISTORY:

The Riviera outfall is the City's largest direct storm water discharge into the Coral Gables Waterway, measuring 66-inches in diameter at its narrowest section. It drains a significant portion of Downtown Coral Gables, including sections of Ponce de Leon Boulevard, Le Jeune Road and adjacent neighborhoods.

At the direction of the City Commission, in the meeting of September 8th, 2020, the Public Works Department initiated a pilot program with SOP Technologies for the installation of grates and baskets at ten selected inlets in downtown Coral Gables. The seven grates are expected to be deployed before the end of February. The three baskets are still under fabrication and are expected to be deployed before the end of March.

On September 2020, a Smart Sponge skimmer, donated by SCR Mechanical was installed at the Riviera outfall pipe. Subsequent testing indicated the Smart Sponge skimmer was able to absorb hydrocarbons that would otherwise end up at the Coral Gables waterway. The Public Work Department is currently working with SCR Mechanical to deploy storm drain inserts at preselected storm inlets to further test the operational feasibility of this technology.

The purpose of these pilot programs is to find ways to reduce the amount of debris and nutrients currently discharging into the City's waterways from storm water outfall pipes.