

STAFF REPORT UTILITY MEETING

AGENDA DATE: September 26, 2023

DEPARTMENT: Water Utilities

TITLE:

Fiscal Year 2024 Resilient Florida Grant Program Application for the Parrot Cove Stormwater Resiliency Project

SUMMARY:

The City has applied for \$250,000 in grant funding from the Fiscal Year 2024 Resilient Florida Program to provide improvements to the existing stormwater system infrastructure and for mitigation measures to relieve coastal flooding issues caused by high tides along the City's golf course and the Parrot Cove neighborhood. The City will be required to provide a local cost share of \$250,000 if the grant funding request is approved.

BACKGROUND AND JUSTIFICATION:

The project to address the worsening flood conditions and erosion of land along the City's golf course and Parrot Cove Neighborhood and the Lake Worth Lagoon, where stormwater outfalls currently exist. The 9th, 8th, 6th and 4th Avenues North stormwater outfalls are direct discharge connections to the Lake Worth Lagoon. The four existing pipes provide drainage for a portion of the golf course, as well as the neighborhood immediately to the west. This area has been subject to worsening flood conditions due to the compound effects of heavy rainfall, storm surges, king tides, and the rising sea level. Sinkholes are being created by joint separation in stormwater pipes that allow sand and soil to cave the main pipes and erode stormwater outfalls.

The proposed stormwater upgrades to this area include repairs to the existing outfalls and the installation of backflow prevention devices on the four existing outfalls to the Lagoon in order to prevent further erosion of land on the golf course and alleviate water backing up in the stormwater system from sea level rise. The current lack of controls on the stormwater pipes leaves the upstream residential and commercial properties vulnerable to tidal flooding, which is expected to be a greater concern as sea levels rise. Though relatively small in scope, this project offers benefits upstream and downstream of the stormwater infrastructure, helping to address existing flooding and water quality issues.

The City has been awarded grant funding in the amount of \$450,000 through the FY 2022 FL Legislative grants that does not require a match to fund a portion of these improvements. The City is requesting \$250,000 in grant funding from the Resilient Florida program for the balance of these improvements. The City will be required to provide a local cost share of \$250,000 if the grant funding request is approved. The source of the local cost share will be the Stormwater Enterprise Fund.

According to the Stantec Financial Sustainability Analysis of the Stormwater Enterprise Fund, there are enough reserves in the fund balance to meet the requirements if Lake Worth Beach were to receive this grant opportunity.

MOTION:

Move to approve/disapprove submission of the City's application for \$250,000 in grant funding from the Fiscal Year 2024 Resilient Florida program for the Parrot Cove Stormwater Resiliency project.

ATTACHMENT(S):

Fiscal Impact Analysis – N/A
FY 2024 Resilient Florida Grant Program Application