



Memorandum

Meeting Details: August 12, 2026

Prepared For: Mayor & Board of Commissioners

From: Megan Wepfer, Public Works Director

Subject: ITB# 26-04 Stormwater Backflow Prevention Project

Background

The City of Madeira Beach continues to experience roadway flooding during king tides, storm surge events, and heavy rainfall due to tidal backflow entering the City's stormwater drainage system. As a barrier island community with low roadway elevations, many of the City's outfalls become hydraulically connected to Boca Ciega Bay and the Intracoastal Waterway during elevated tides, allowing saltwater to flow back through the stormwater system and reduce drainage capacity.

To address these recurring flooding concerns, the City developed the Stormwater Backflow Prevention Project to install inline WaStop backflow prevention valves at critical stormwater outfalls throughout the City. These valves are designed to prevent tidal waters from entering the stormwater system.

The project was competitively bid through ITB No. 26-04 and includes two phases:

Phase 1 – Project Assessment

- Field verification of each outfall location
- Confirmation of pipe sizes and dimensions
- Verification of installation requirements
- Identification of any unforeseen utility conflicts or construction issues

Phase 2 – Construction

- Furnish all labor, equipment, and materials
- Purchase and install WaStop inline check valves
- Restore all disturbed areas
- Final testing and acceptance

The project includes installation at thirteen (13) stormwater outfall locations ranging from 12-inch to 30-inch diameter pipes located throughout Madeira Beach.

The City has been awarded a Florida Department of Environmental Protection (FDEP) Resilient Florida Grant for this project.

- Grant Award: \$100,000
- Grant Match Requirement: 50% local match
- Grant funding will significantly offset the City's construction costs while improving resilience against tidal flooding and sea level rise.

This project represents an important investment in protecting public infrastructure, improving roadway drainage, and reducing nuisance flooding throughout the City.

BID RESULTS

Five responsive bids were received for ITB No. 26-04.

Most responsive responsible contractor recommendation: Ramball Engineering and Construction, LLC

The contractor submitted pricing for:

- Project Assessment Task 1: \$18,000.00
- Construction Task 2 (labor and materials): \$169,828.00
- Total Base Bid: \$187,828.00
- 10% Contingency: \$18,782.80
- Total Recommended Authorization: \$206,610.80

Ramball Engineering and Construction holds current Florida Underground Utility and Building Contractor licenses and submitted the required insurance documentation, contractor qualifications, and bid certifications with its proposal.

CONTRACTOR EXPERIENCE

The contractor demonstrated experience installing inline tidal backflow prevention valves on similar municipal and private coastal drainage systems.

References included projects for:

- City of Belleair Beach
- Polynesian Gardens of Siesta Key

- Bermuda House Condominium Association

Each reference involved installation of tidal backflow prevention valves and associated drainage system improvements.

The proposed construction contract includes several provisions that protect the City's interests, including:

- Performance and Payment Bond requirements.
- 5% retainage until final completion.
- Final inspection and acceptance prior to final payment.
- Liquidated damages of \$1,000 per day for failure to complete the project within the contractual schedule.
- Compliance with Florida public records requirements and all applicable state procurement laws.

Fiscal Impact

A \$100,000 grant has been awarded by FDEP with a 50% Match. The Stormwater fund will fund this project and request 50% reimbursement during the grant closeout.

Recommendation(s)

Staff recommends the Board authorize the award of ITB No. 26-04 to Ramball Engineering and Construction, LLC in the amount of \$187,828.00, authorize the standard 10% construction contingency of \$18,782.80, for a total project authorization of \$206,610.80.

Attachments

- Ramball Engineering Bid Submittal / Contract
- ITB 26-04