



Memorandum

Meeting Details: August 27, 2025 – Board of Commission Workshop

Prepared For: Honorable Mayor and Board of Commissioners

From: Community Development Department/Public Works

Subject: Rebuilding Madeira Beach – Advanced Engineering

Background: Advanced Engineering is performing Madeira Beach’s Watershed Management Plan, as the city works through this plan we are also taking proactive measures for the long-term viability of the community with respect to sea level rise and flooding.

Discussion: To help address localized flooding concerns, staff is engaging with Advanced Engineering to provide technical support in the review of site plans that include the placement of fill material. Advanced is helping to:

- Evaluate proposed fill elevations and quantities.
- Review potential offsite impacts, including drainage, stormwater flow, and neighboring properties.
- Identify strategies to maximize allowable fill material while maintaining compliance with floodplain management standards.
- Support the City in balancing property owner needs with community-wide flood risk reduction.

This additional layer of engineering review will help ensure that projects are designed to alleviate at-grade flooding of structures without creating unintended impacts to surrounding properties.