

City Council Update

2025 Clam Bayou

Dune Recovery Project



City Council—May 6, 2025

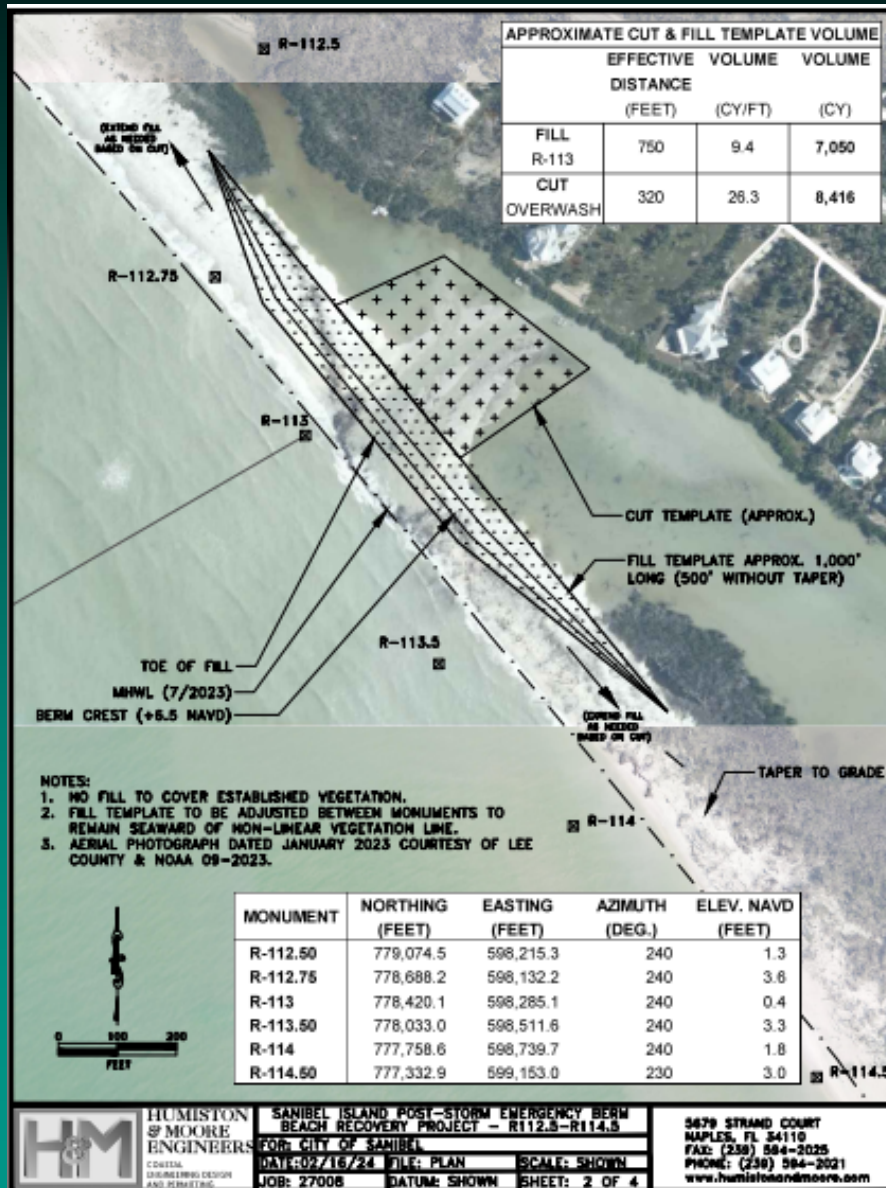


Holly Milbrandt
City of Sanibel
Natural Resources Director

Brett Moore
Humiston & Moore Engineers
Project Engineer



2024 Project



- *Planned to recover ~8,400 cubic yards of overwashed sand from Clam Bayou to restore the beach dune*
- *Required State & Federal Permits*
 - *FDEP Emergency Order Authorization*
 - *USACE Emergency Permit: **NOT ISSUED***



2024 Project

Without a USACE permit, the Scope of Work was reduced to recover only the sand above mean high water

4/25/2024



5/2/2024

Phase I: COMPLETE



- **Phase I: April 22-April 26, 2024**
- **Recovered ~4,116 cubic yards**
- **Cost: \$54,000 construction & monitoring (100% FDEP Funded)**
- **Contractor: Earth Tech Enterprises, Fort Myers**

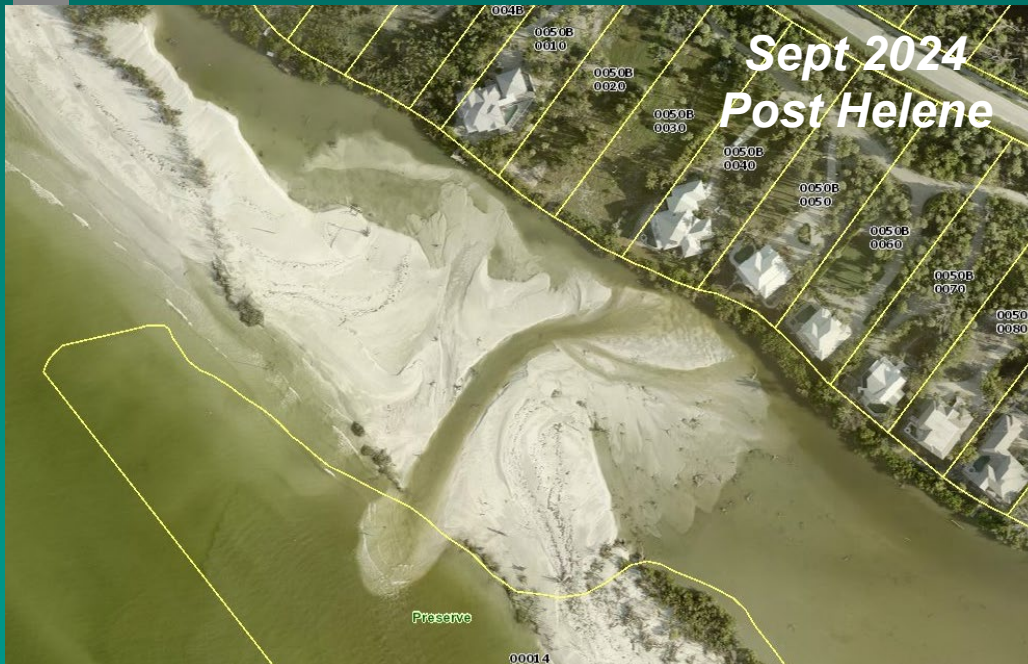
Summer 2024

Constructed berm is flattened and breached by surges from TS Debby, Hurricane Helene & Hurricane Milton. Sand and tidal waters push into Clam Bayou.

August 2024
Post TS Debby



Sept 2024
Post Helene



Oct 2024
Post Milton



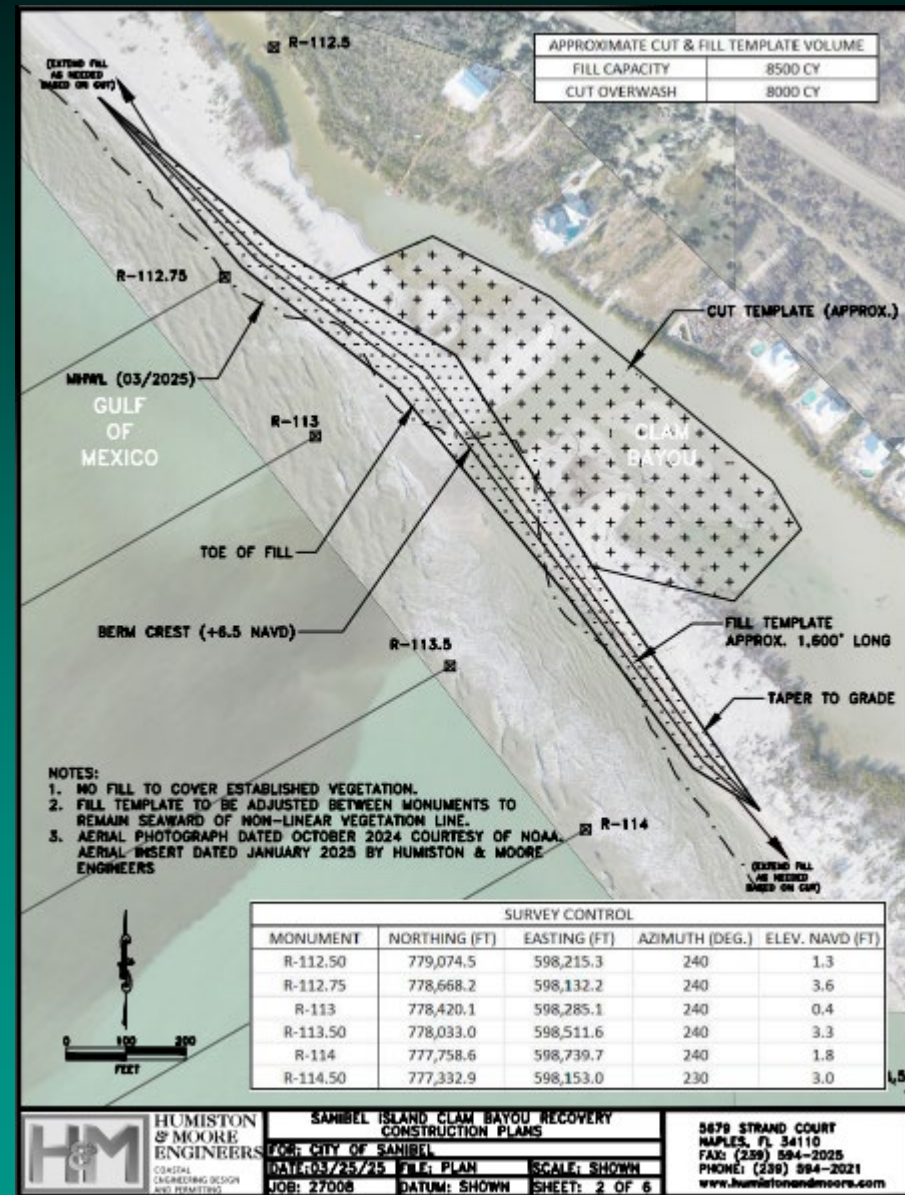
Clam Bayou

- *Significant shoreline changes continue during winter 2025*
- *Breach closes in March 2025, Gulf waters still overtop the beach at high tide*



2025 Project

- **2025 TDC-funded Annual Beach Erosion Survey conducted in Feb/Mar 2025**
- **Survey data used to prepare updated construction plans**
 - **Recovered sand quantity approximately 8,500 cubic yards**
- **USACE issues Emergency Permit (Hurricanes Helene & Milton) on 3/7/2025; State authorization under FDEP EFO**
- **City Council approves construction proposal from Earth Tech on April 1, 2025**



2025 Project

- **Construction: April 7-April 16, 2025**
- **Recovered ~7,775 cubic yards**
- **Cost: ~\$79,200 construction & monitoring (100% FDEP Funded)**
- **Contractor: Earth Tech Enterprises, Fort Myers**



2025 Project



4/17/2025
COMPLETE

Help Wanted!

On Saturday May 17, the City is partnering with SCCF Coastal Watch and MANG to plant 1500 mangroves to help solidify the shoreline!



📍 Bowman's Beach Park, Bowman's Beach
Parking, 1700 Bowmans Beach Rd, Sanibel, FL
33957, USA

Clam Bayou Mangrove Planting

Visit <https://dash.pointapp.org/events/337142> to register.

Project Team

- ✓ *Humiston & Moore Engineers
Naples, FL*
- ✓ *Earth Tech Enterprises
Fort Myers, FL*
- ✓ *Oceanside Solutions
Satellite Beach, FL*
- ✓ *SCCF-Shorebird & Sea Turtle
Monitoring; Coastal Watch
Mangrove Planting*
- ✓ *City of Sanibel*
- ✓ *Sanibel Captiva Beach Resorts—
Equipment Staging/Contractor
parking*

