



Mandeville Wetlands Restoration Project

June 17, 2025

Mandeville Wetlands Restoration Project – The Need



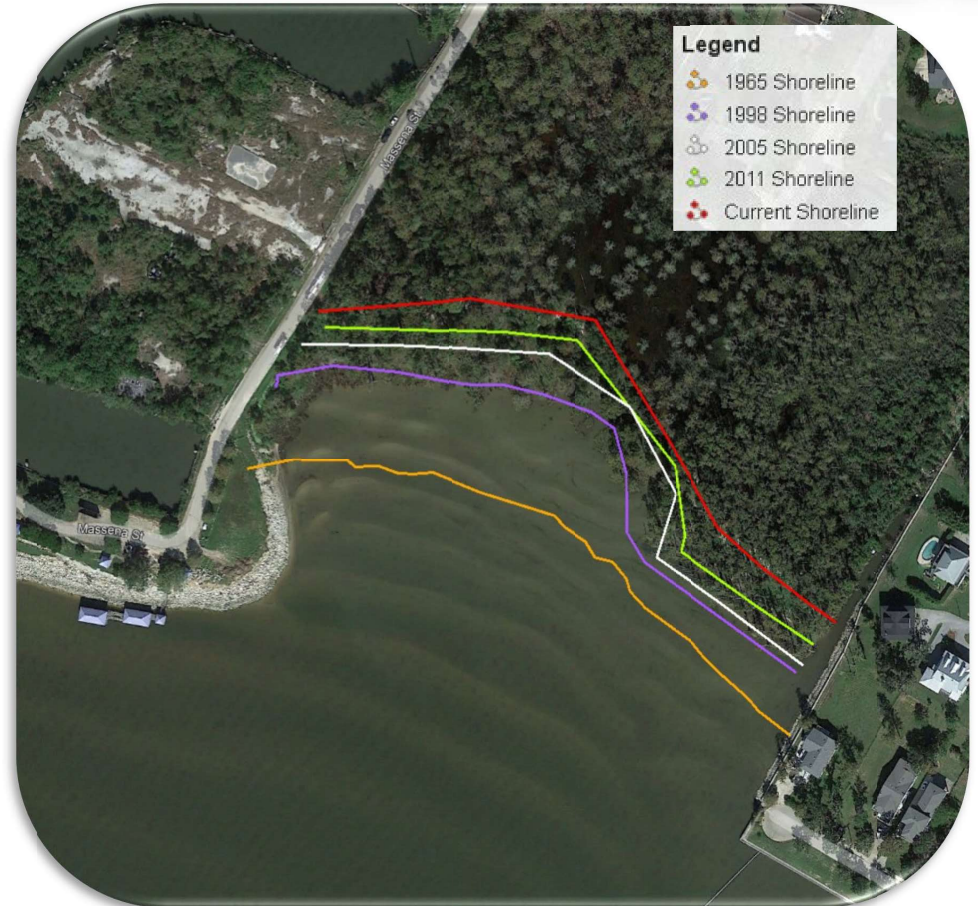
- The historic cypress swamp in Mandeville is **degrading, and the trees are rapidly dying off.**
- It is the only natural feature between 2 hardened shorelines.
- The cypress swamp is eroding due to focused wave energy at the shoreline.
- Cypress trees are **difficult to reestablish** once lost.

Mandeville Wetlands Restoration Project – The Need

The sandy shoreline has eroded since 1965.



1965

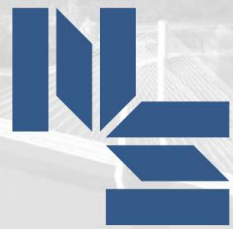


2025

Mandeville Wetlands Restoration Project – The Benefits



- Environmental Benefits include:
 - The project will **improve water quality** entering Lake Pontchartrain through urban runoff **sediment capture** within the swamp.
 - **Increase flow of freshwater** through the cypress swamp will improve the habitat.
 - Reuse of dredged material for marsh creation **maintains natural seed and existing wetland plant diversity**.
 - The project will **increase essential fish habitat** through wetland benching and plant growth.
 - The calmer waters will attract wildlife to the area and **restore the natural environment**.

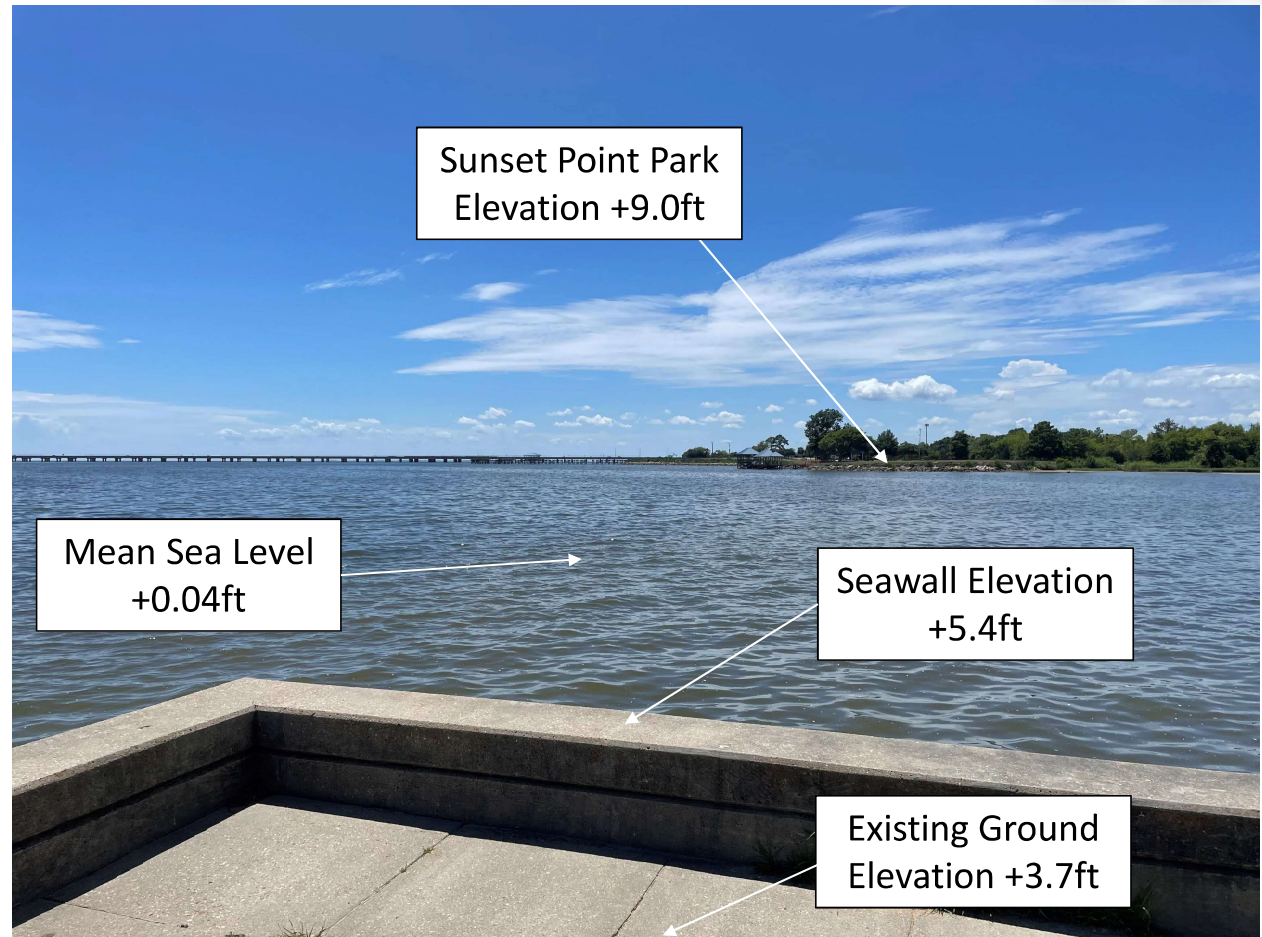


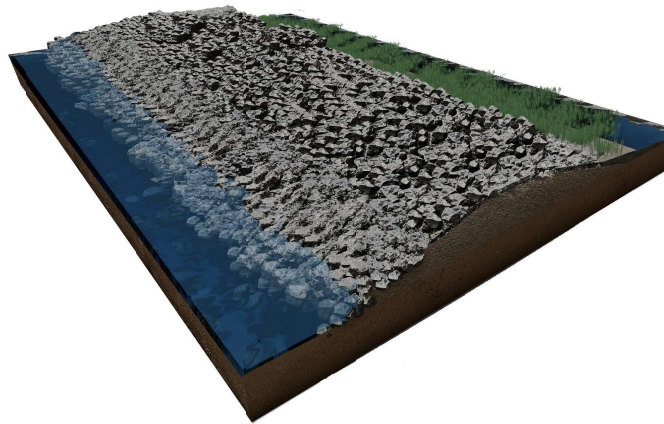
NEEL-SCHAFFER

Solutions you can build upon

Current Design

- Sunset Point Park is at elevation +9.0-ft NAVD88.
- Lakeshore Seawall is at elevation +5.4-ft. NAVD88.
- Existing ground along the lakefront seawall is elevation +3.7-ft. NAVD88.
- Lake Pontchartrain Mean Sea Level is elevation +0.04-ft. NAVD88.

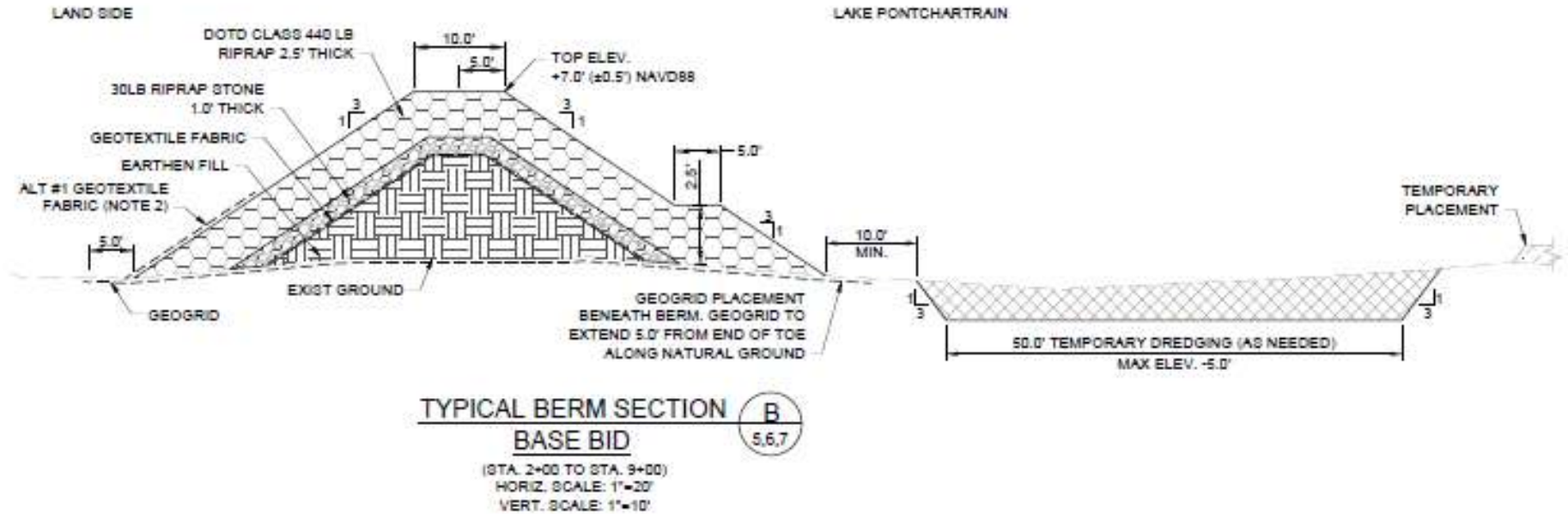




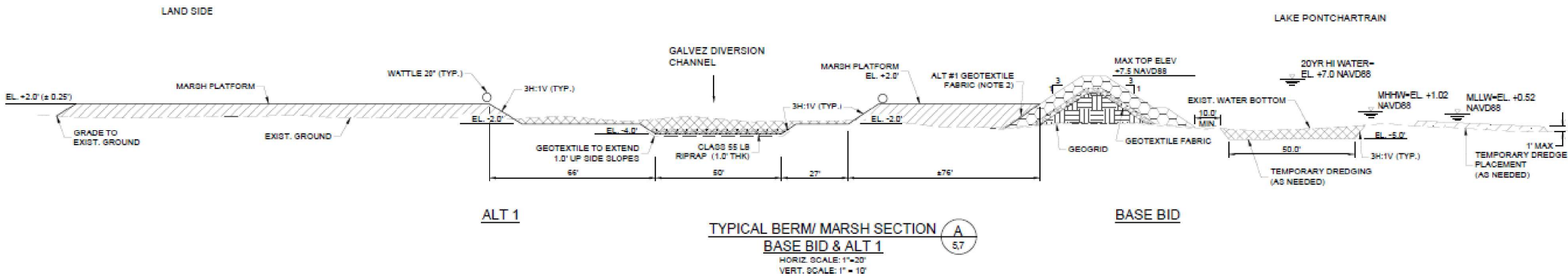
Constructed Elevation of +7.0 (+/-0.5) NAVD88 Earthen Berm with Stone
Armoring

- Base Bid – Berm Construction only
 - Approximately 700ft of berm.
 - Interior core of clay material with large stone armoring on top.
- Alternate #1 – Diversion Channel and Marsh Creation Features
 - Approximately 1,100 ft of stone lined channel.
 - 4.75 acres of constructed marsh
 - 10ft wide stone weir at Galvez Canal





Project Features – Base Bid and Alternate #1



Project Bid Date - May 28, 2025

Project Award Date – Tentative – June 2025

Construction Start – Tentative – July 2025

Construction Completion – Tentative – December 2025

Mandeville Wetlands Restoration Project – Project Features



Conceptual rendering of finished project.