



# ... PALM BEACH COUNTY EMERGENCY RESPONSE TO WINTER 2023/24 STORM EVENTS

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HAILEY WILSON





# OCTOBER & NOVEMBER 2023



- Unnamed; back-to-back winter storm events without adequate recovery time
- Immediate response required to secure construction access easements in Singer Island and Coral Cove
- Dune Annual Contract null & void due to spike in diesel prices



# Singer Island



Singer Island



# Coral Cove



# Coral Cove



# Coral Cove





# TIMELINE

## Winter Storm Events

Oct - Nov 2023

**Dune Annual Contract  
Null & Void**

Fall 2023

**Signer Island Emergency  
Contract Signed**

November 20, 2023



# EMERGENCY DUNE PROJECT CONTRACT

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- Town of Jupiter Island Contract  
(Located in Martin County)
  - EFO Nicole – DEP Authorization
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- Singer Island Emergency Dune  
Project Contract executed  
11/20/2023





# TIMELINE

## Winter Storm Events

Oct - Nov 2023

## Emergency Placement Singer Island – Zone 2

Nov 22-29, 2023

## Dune Annual Contract Null & Void

Fall 2023

## Signer Island Emergency Contract Signed

November 20, 2023











# TIMELINE

## Winter Storm Events

Oct - Nov 2023

## Emergency Placement Singer Island – Zone 2

Nov 22-29, 2023

## Dune Annual Contract Null & Void

Fall 2023

## Severe Winter Storm Retaining Wall Collapse in Zone 2

Dec 19, 2023

## Signer Island Emergency Contract Signed

November 20, 2023



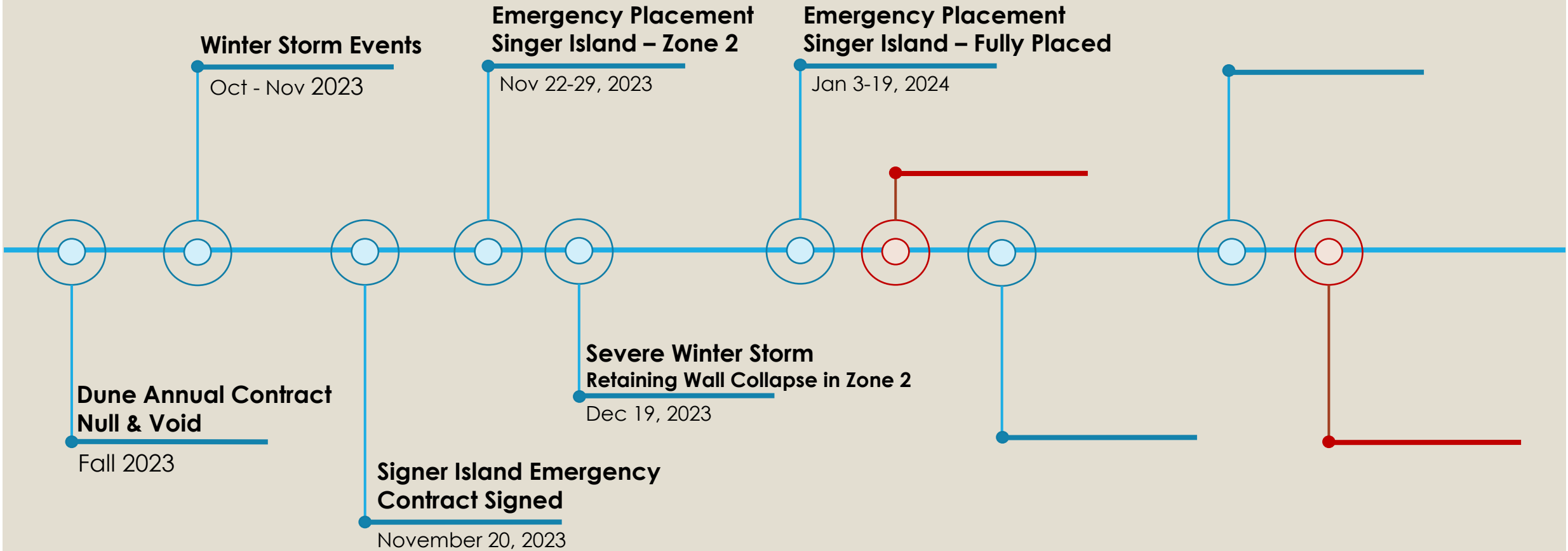








# TIMELINE

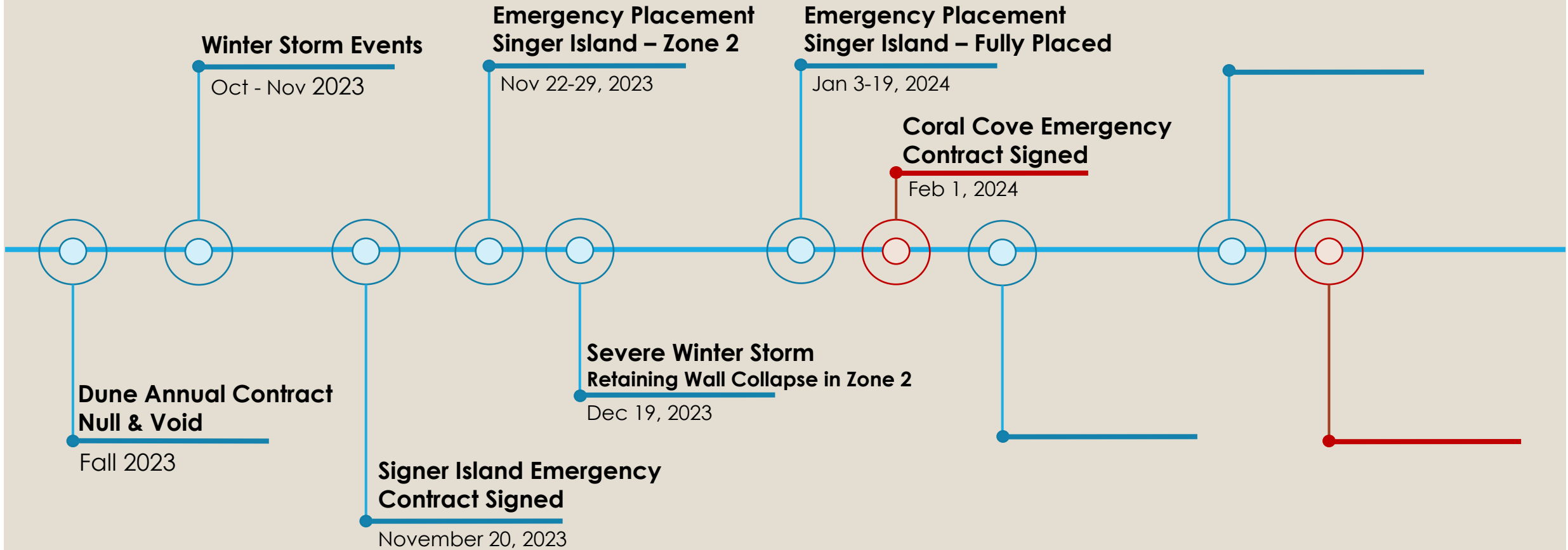








# TIMELINE





# TIMELINE

## Winter Storm Events

Oct - Nov 2023

## Emergency Placement Singer Island – Zone 2

Nov 22-29, 2023

## Emergency Placement Singer Island – Fully Placed

Jan 3-19, 2024

## Coral Cove Emergency Contract Signed

Feb 1, 2024

## Severe Winter Storm Retaining Wall Collapse in Zone 2

Dec 19, 2023

## Severe Winter Storm Nearly all placed dune material eroded via significant waves

Early Feb 2024

## Dune Annual Contract Null & Void

Fall 2023

## Signer Island Emergency Contract Signed

November 20, 2023



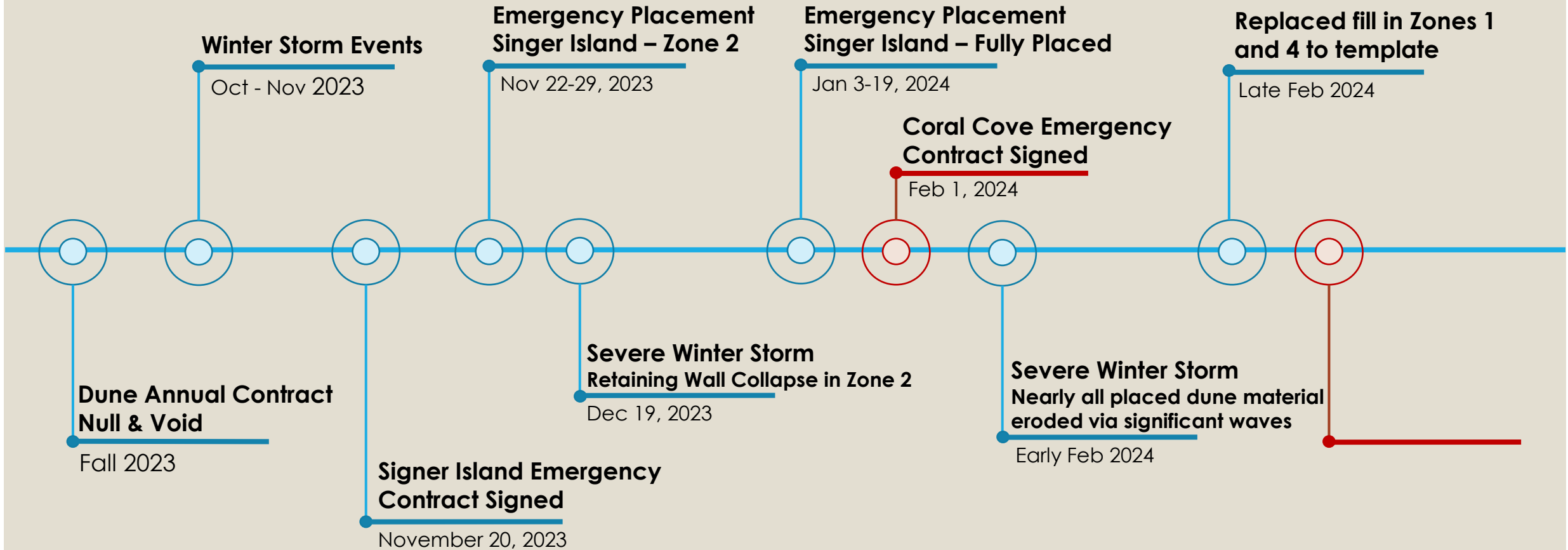








# TIMELINE

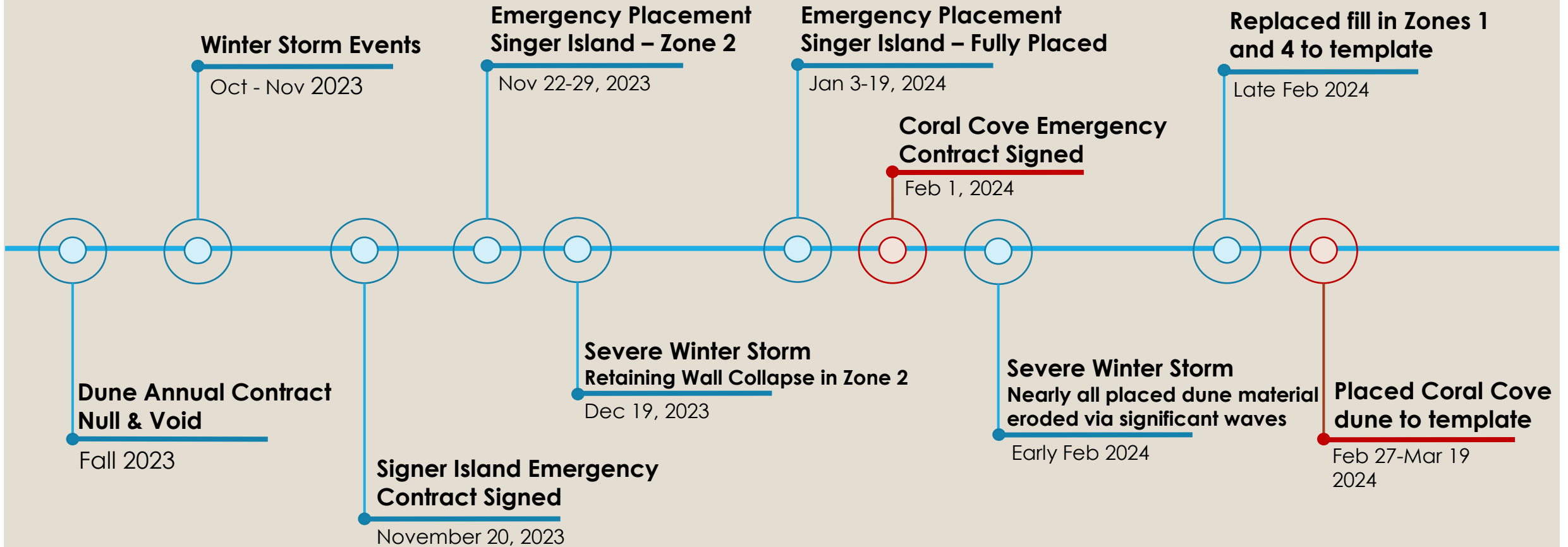








# TIMELINE

















# Facts and Figures

## Singer Island

- Placed 48,729.56 tons (38,070 CY) – Eastman Aggregates
  - \$2,284,739.38
- 20,000 Sea Oats, 2,600 diversity species, 90 ft. of Sand Fence (\$28,947.50)
- Vibration Monitoring - \$13,463.20
- Surveys/Biological Monitoring - \$127,080.44
- **Total Construction Cost: \$2,454,230.52**

## Coral Cove

- Placed 45,088.10 Tons – Eastman Aggregates
  - \$ 2,004,907.91
- 34,000 Sea Oats, 5,400 diversity species, 2,500 panic grass in accesses, 200 ft of fence (\$53,575)
- Vibration Monitoring - \$8,263.20
- Surveys/Biological Monitoring – \$10,809.30
- **Total Construction Cost: \$2,077,555.41**





# THANK YOU



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