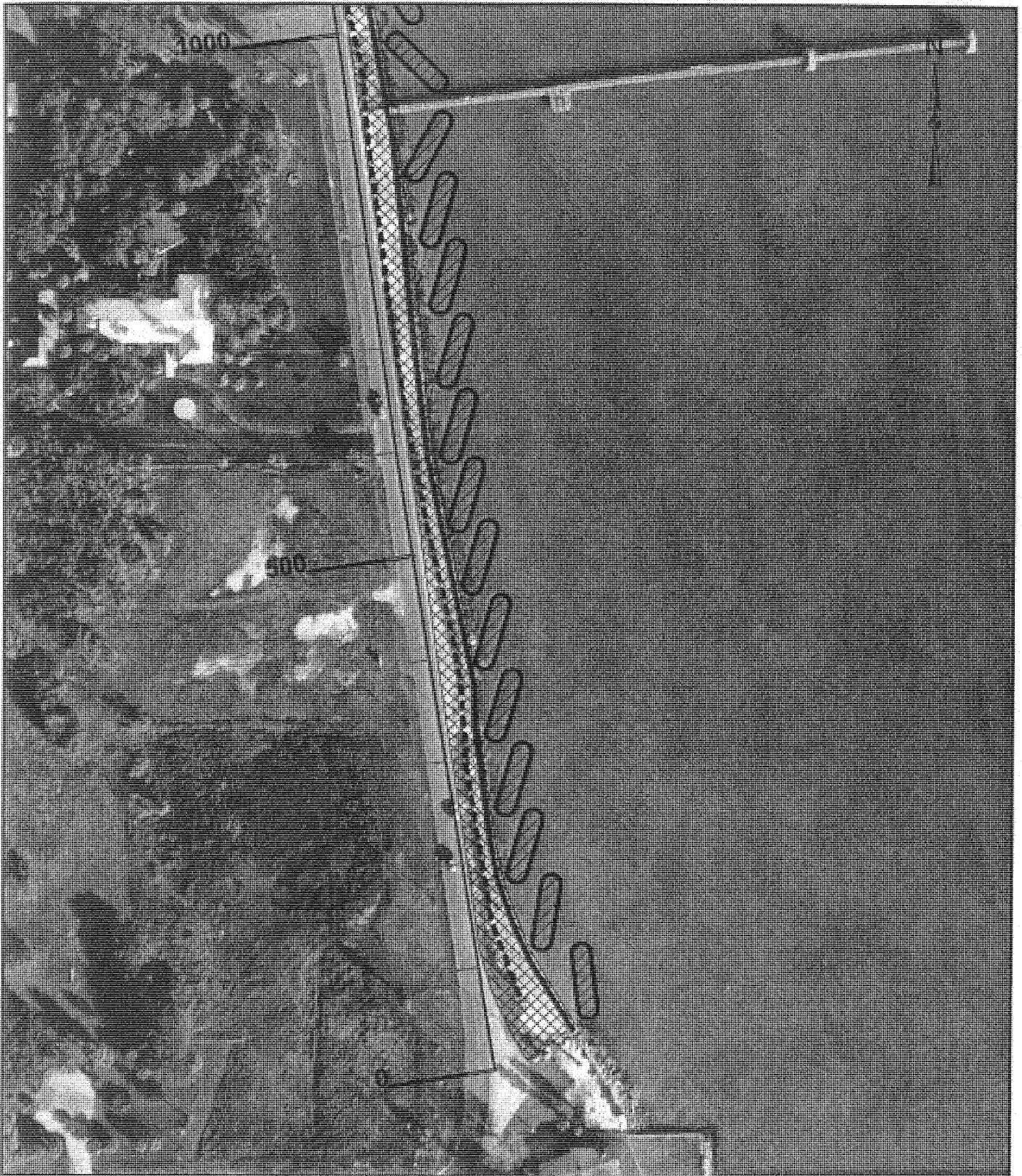


Title:	Site Location Map
Project:	Fulton Beach Road Shoreline Stabilization Project
Client:	Aransas County

Sw6-2011-01237
Ch. 1. 6. 10



Legend

- Annual High Tide Line
- Mean High Water Line
-  Proposed Breakwater Footprint
-  Proposed Fill with CCM and/or Planting



Title:	Plan Layout Sheet 1 Alternative A
Project:	Fulton Beach Road Shoreline Stabilization Project
Client:	Aransas County

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Sheet 2 of 10



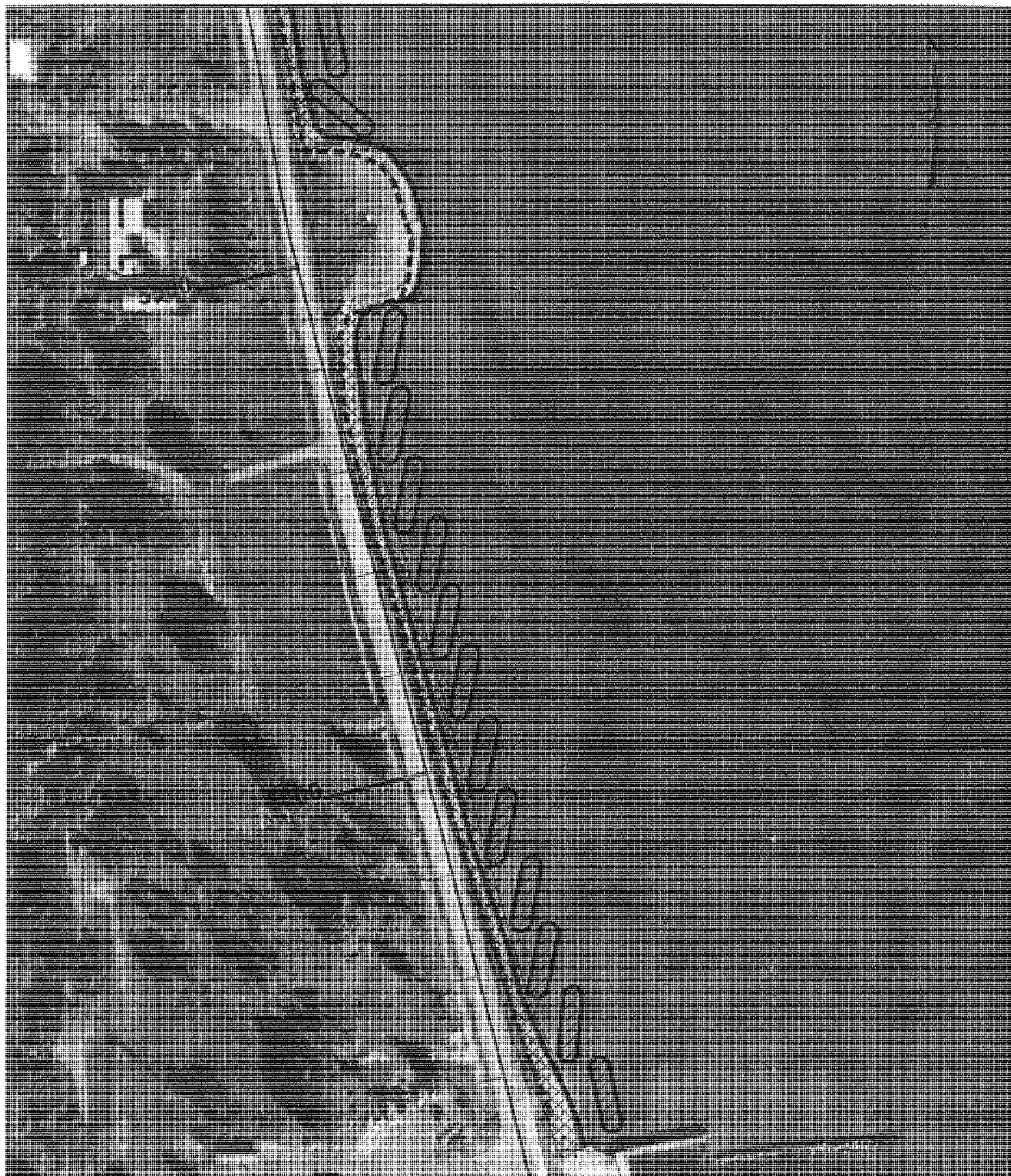
Legend

-  Annual High Tide Line
-  Mean High Water Line
-  Proposed Breakwater Footprint
-  Proposed Fill with CCM and/or Planting



DATE	Plan Layout Sheet 2 Alternative A
PROJECT	Fulton Beach Road Shoreline Stabilization Project
CITY	Aransas County

SW6-2011-01237
Sheet 2 of 10



Legend

- Annual High Tide Line
- Mean High Water Line
-  Proposed Breakwater Footprint
-  Proposed Fill with OCM and/or Planting



Title:	Plan Layout Sheet 3 Alternative A
Project:	Fulton Beach Road Shoreline Stabilization Project
Client:	Aransas County

SW6-2011-01237
Sheet 4 of 10



Legend

- Annual High Tide Line
- Mean High Water Line
-  Proposed Breakwater Footprint
-  Proposed Fill with CCM and/or Planting



title:	Plan Layout Sheet 4 Alternative A
project:	Fulton Beach Road Shoreline Stabilization Project
client:	Aransas County

SWG-2011-01237
Sheet 5 of 10



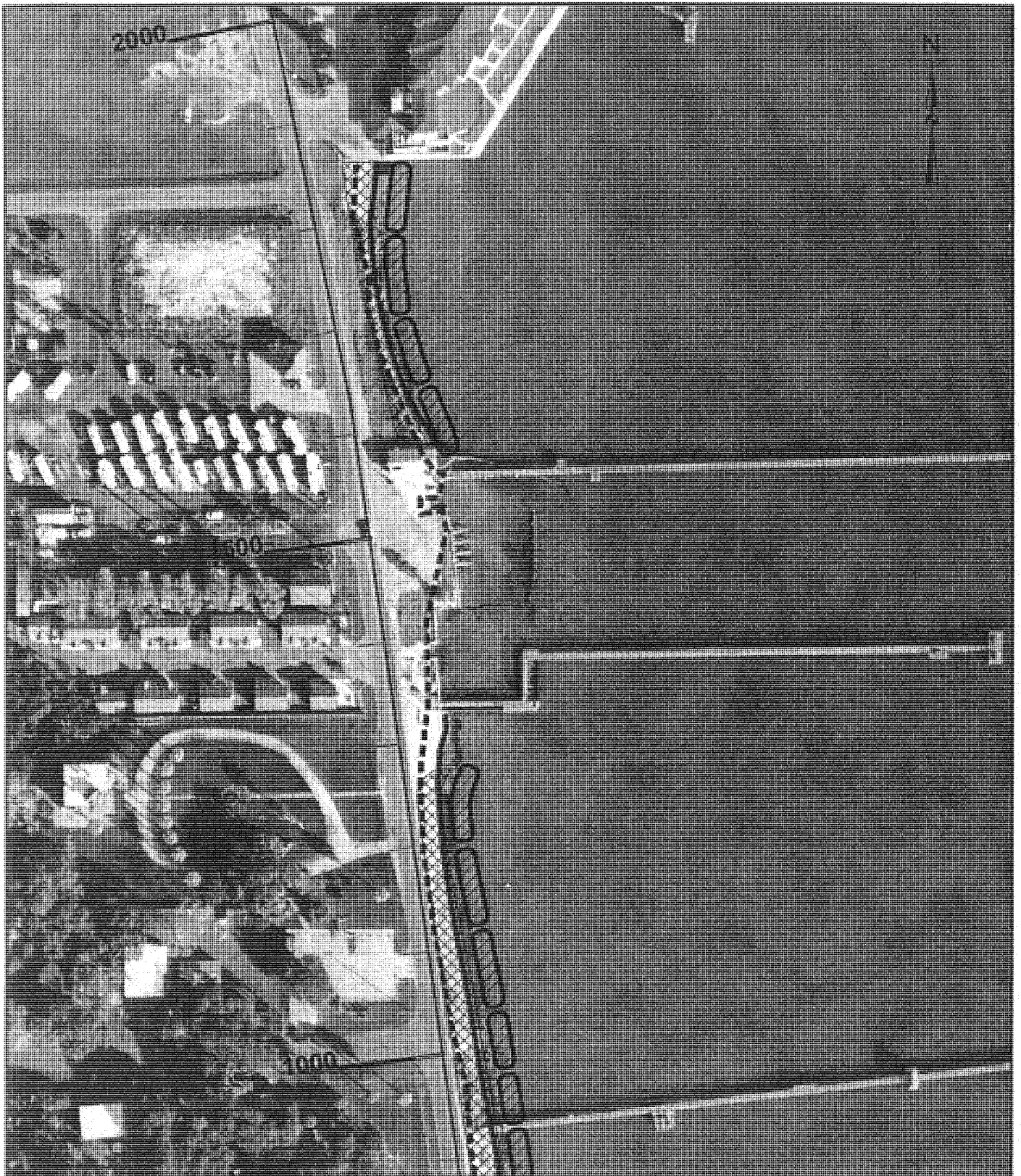
Legend

-  Annual High Tide Line
-  Mean High Water Line
-  Proposed Breakwater Footprint
-  Proposed Fill with CCM and/or Planting



Title:	Plan Layout Sheet 1 Alternative B
Project:	Fullon Beach Road Shoreline Stabilization Project
Client:	Aransas County

Sw6-2011-01237
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Legend

-  Annual High Tide Line
-  Mean High Water Line
-  Proposed Breakwater Footprint
-  Proposed Fill with CCM and/or Planting



Title	Plan Layout Sheet 2 Alternative B
Project	Fulton Beach Road Shoreline Stabilization Project
Client	Aransas County

SW6-2011-01237
Chart 7-0-10



Legend

-  Annual High Tide Line
-  Proposed Breakwater Footprint
-  Mean High Water Line
-  Proposed Fill with OCM and/or Planting



Title:	Plan Layout Sheet 3 Alternative B
Project:	Fulton Beach Road Shoreline Stabilization Project
Client:	Aransas County

SW6-2011-01237
Sheet 8 of 10



Legend

- Annual High Tide Line
- Mean High Water Line
-  Breakwater Footprint
-  Proposed Fill with CCM and/or Planting

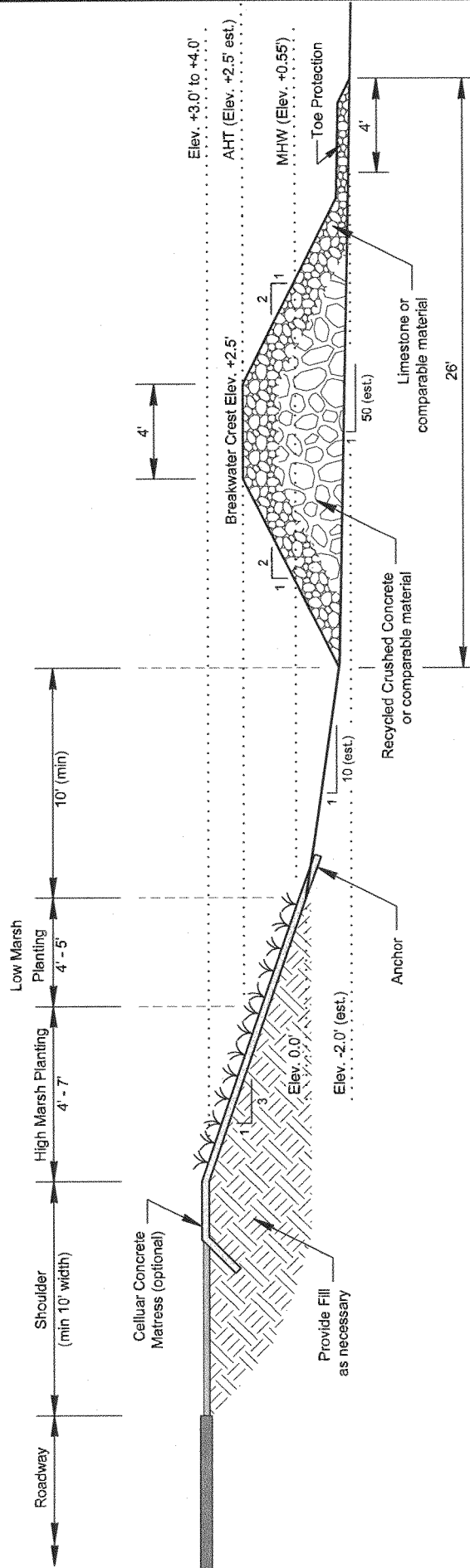


Title:	Plan Layout Sheet 4 Alternative B
Project:	Fulton Beach Road Shoreline Stabilization Project
Client:	Aransas County

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Sheet A of 1A

Fill Quantity Table

Structure	Total Fill Volume (CY)	Fill Volume per Running Foot (CY/FT)
Breakwater	7,450	2.46
Cellular Concrete Mattress	620	0.20
Earthen Fill	1,680	0.55



Title:
Typical Section
 Project:
 Fulton Beach Road
 Shoreline Stabilization Project
 Client:
 Aransas County

- Notes:
1. All elevations are in reference to NAVD88 (ft).
 2. Breakwater bottom will vary, but for the purposes of determining quantities, an elevation of -2.0 feet will be assumed.
 3. Cellular Concrete Mattress (CCM) installation is optional, but the marsh planting will be maintained even without the CCM installation.
 4. Recycled crushed concrete consists of material reworked from the existing Fulton Beach Road shoreline protection.
 5. All quantities of fill are calculated below the Annual High Tide elevation of 2.5 feet.
 6. The quantities shown are in reference to Alternative A. Quantities of fill for Alternative B would be less.
 7. The project shoreline is estimated to be 3,030 feet long.

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 sheet 1 of 10