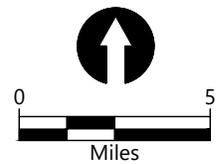


SOURCE: Basemap ©2014 Esri
HORIZONTAL DATUM: Texas State Plane South Central, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

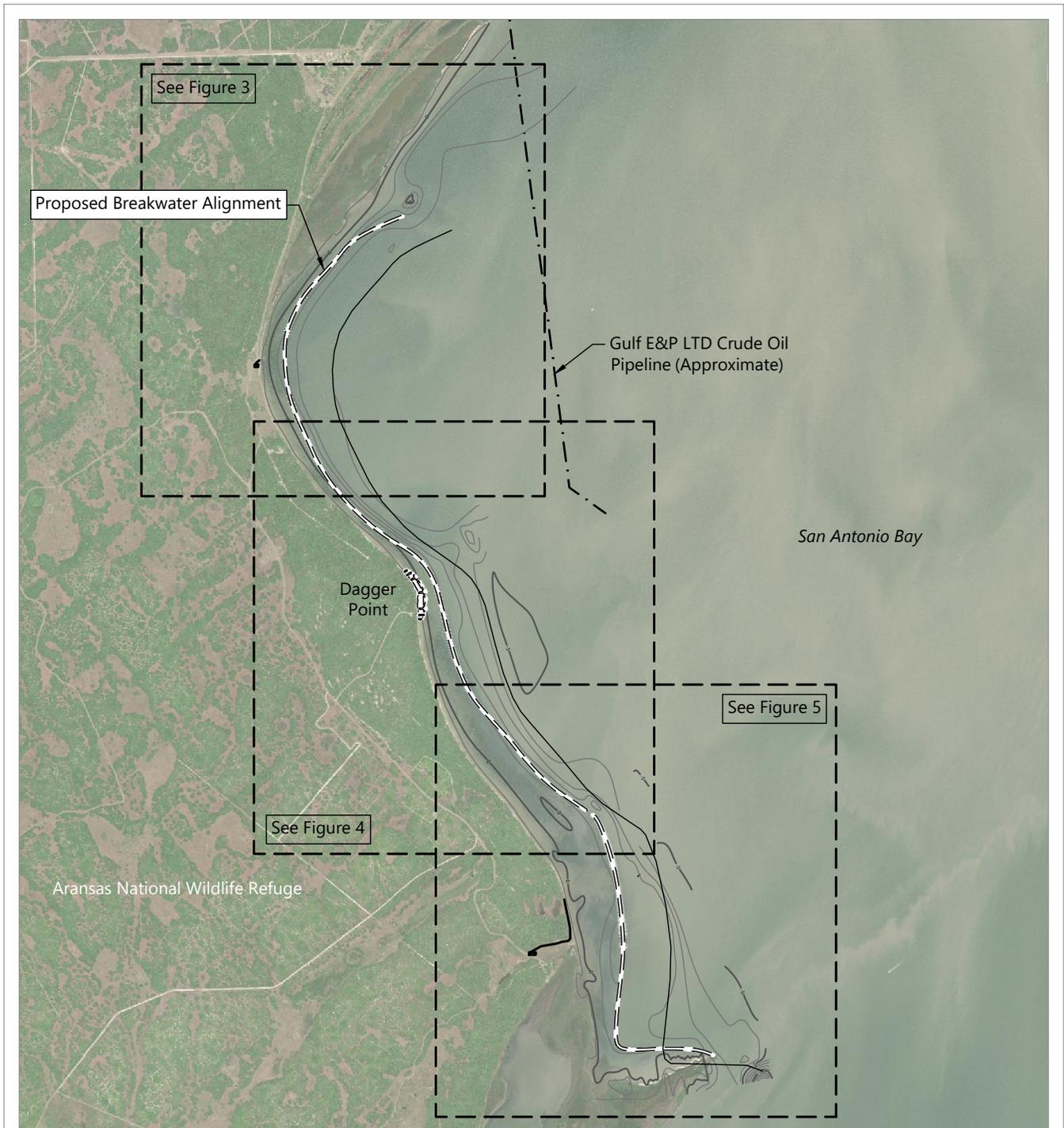


Publish Date: 2021/11/09 2:11 PM | User: dholmer
Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-001 (Vicinity Map).dwg Figure 1



Figure 1
Vicinity Map

Environmental Assessment
Dagger Point Coastal and Marine Habitat Protection and Restoration



SOURCES:

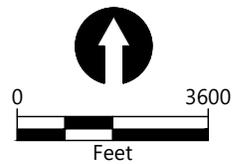
1. Aerial image ©2019 Microsoft Corporation ©2019 DigitalGlobe ©CNES (2019) Distribution Airbus (DS)
2. Bathymetric survey by Naismith Marine Services dated August 2019

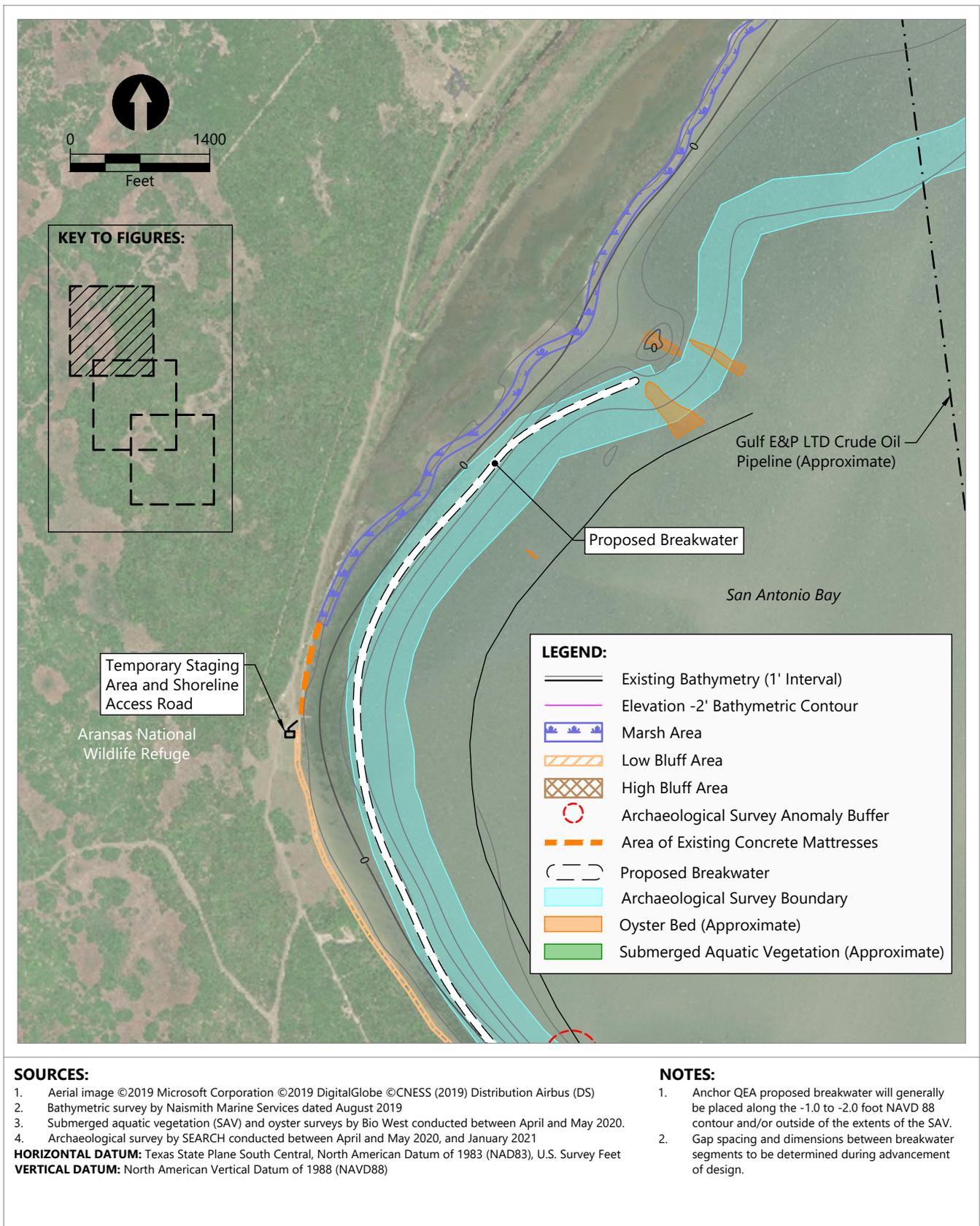
HORIZONTAL DATUM: Texas State Plane South Central, North American Datum of 1983 (NAD83), U.S. Survey Feet

VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

LEGEND:

— Existing Bathymetry (1' Interval)



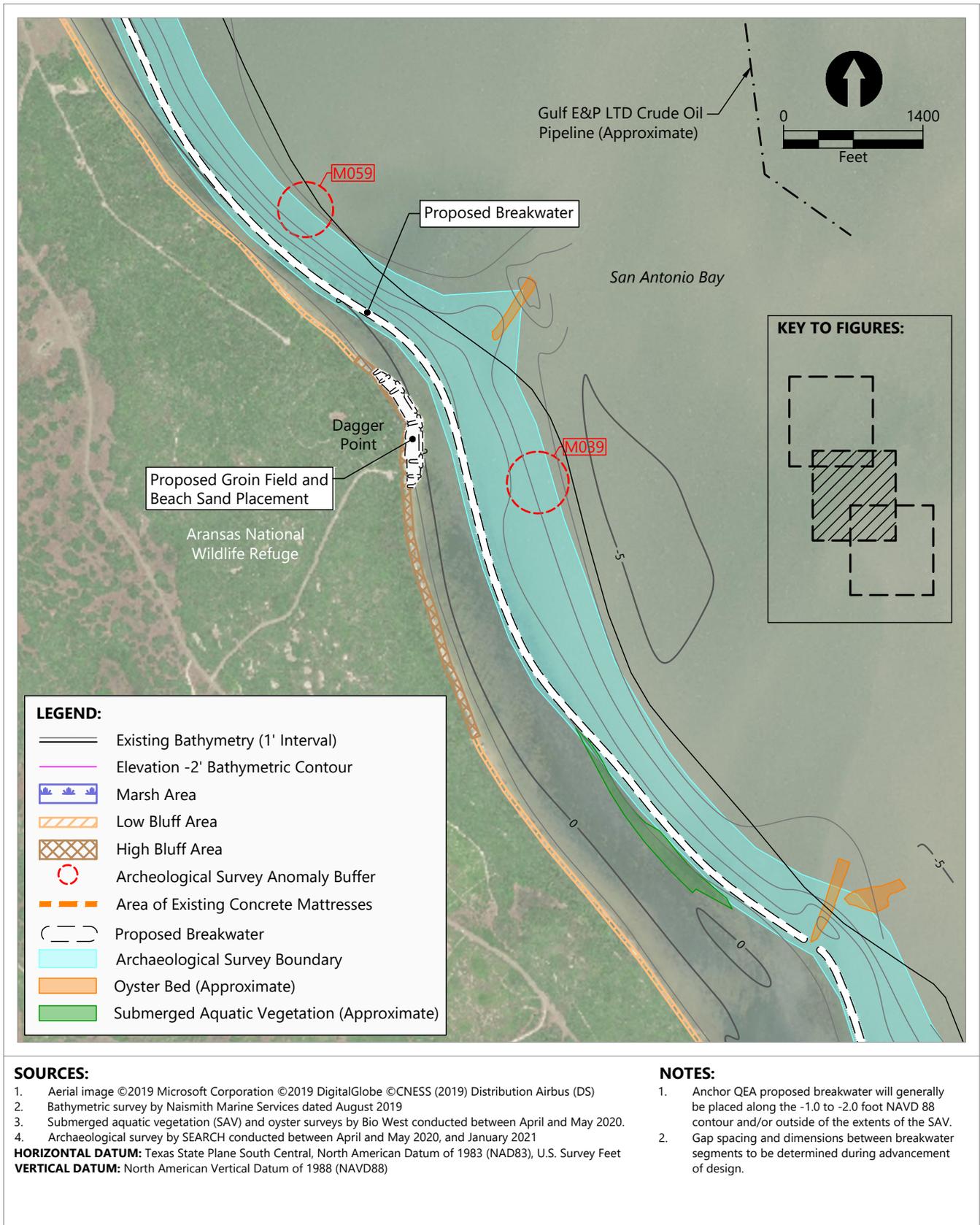


Publish Date: 2021/11/09 2:11 PM | User: dholmer

Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-002 (Plan View).dwg Figure 3



Figure 3
Plan View North

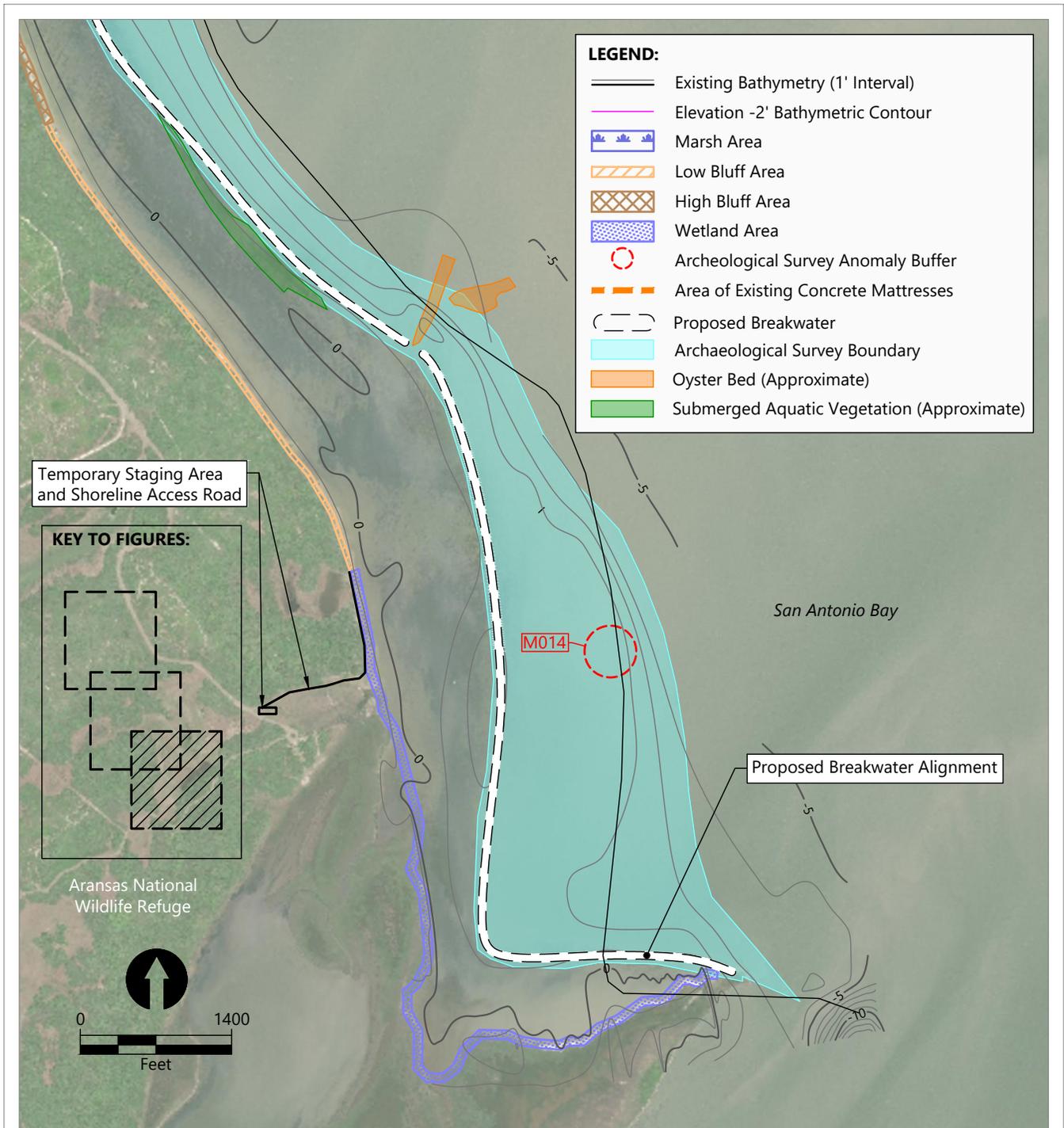


Publish Date: 2021/11/09 2:11 PM | User: dholmer
 Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-002 (Plan View).dwg Figure 4



Figure 4
Plan View Central

Environmental Assessment
 Dagger Point Coastal and Marine Habitat Protection and Restoration



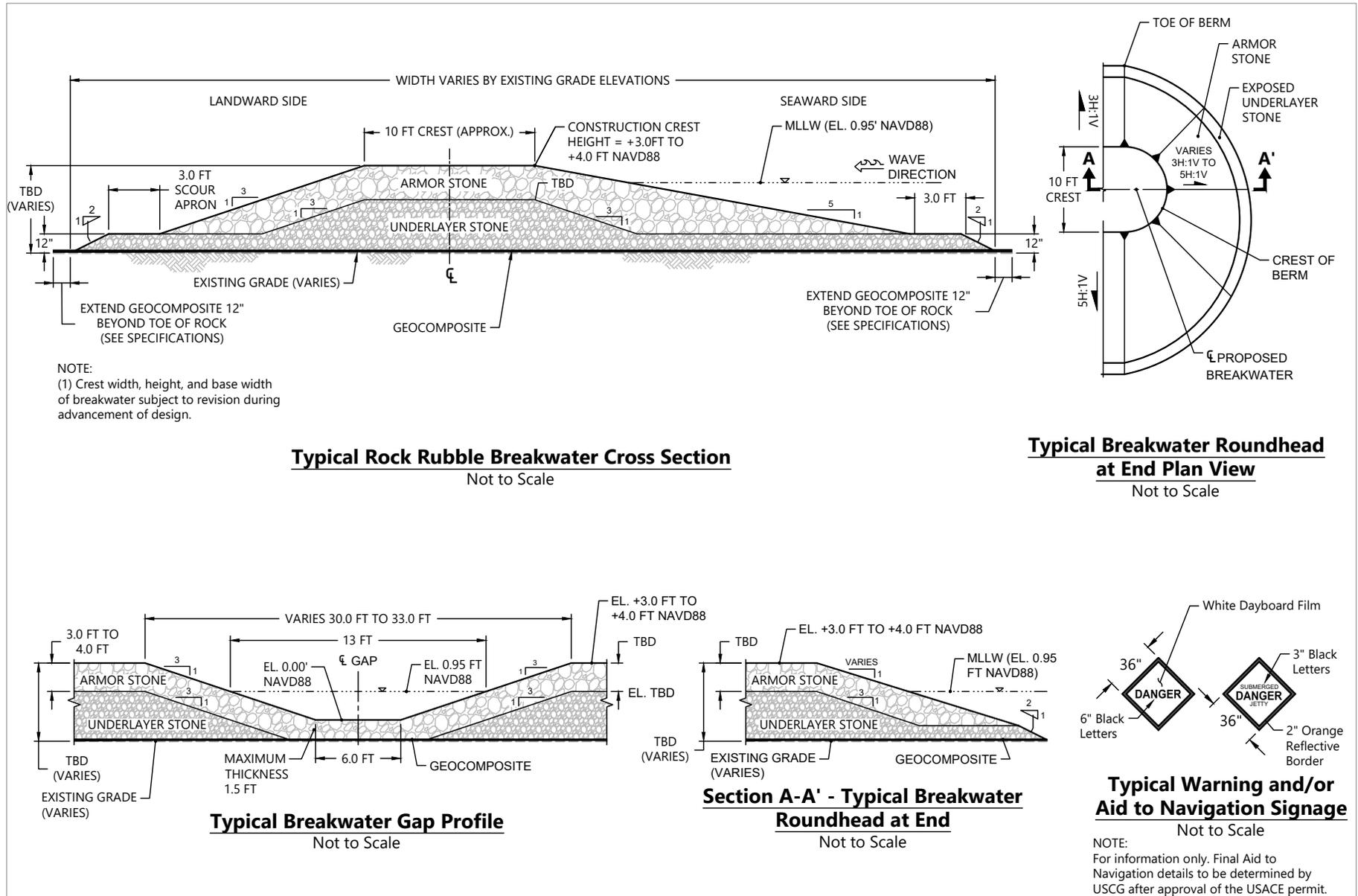
SOURCES:

1. Aerial image ©2019 Microsoft Corporation ©2019 DigitalGlobe ©CNES (2019) Distribution Airbus (DS)
2. Bathymetric survey by Naismith Marine Services dated August 2019
3. Submerged aquatic vegetation (SAV) and oyster surveys by Bio West conducted between April and May 2020.
4. Archaeological survey by SEARCH conducted between April and May 2020, and January 2021

HORIZONTAL DATUM: Texas State Plane South Central, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

NOTES:

1. Anchor QEA proposed breakwater will generally be placed along the -1.0 to -2.0 foot NAVD 88 contour and/or outside of the extents of the SAV.
2. Gap spacing and dimensions between breakwater segments to be determined during advancement of design.

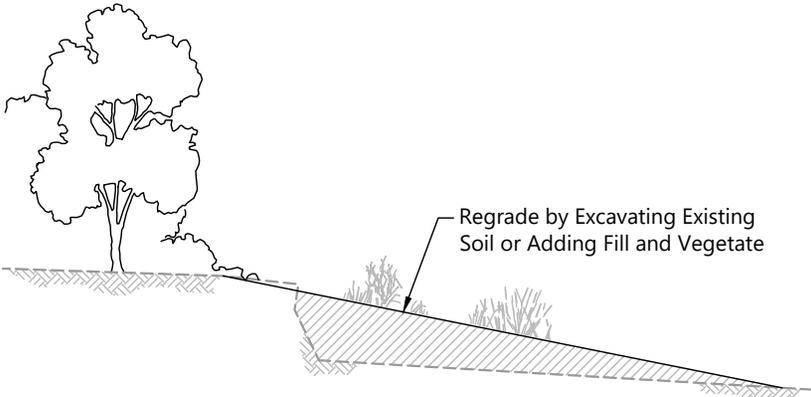


Publish Date: 2021/11/09 2:11 PM | User: dholmer
 Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-002 (Plan View).dwg Figure 6



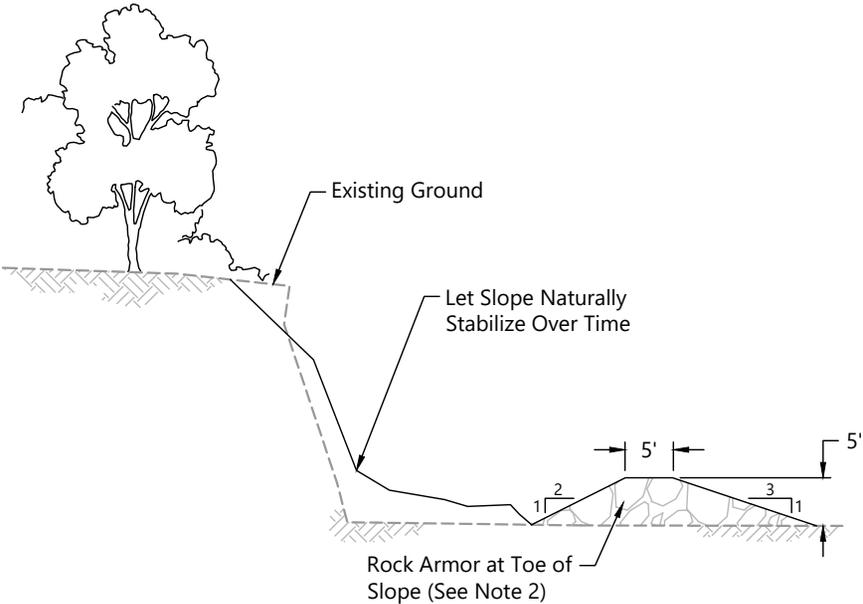
Figure 6
Typical Rock Rubble Breakwater Details

Environmental Assessment
 Dagger Point Coastal and Marine Habitat Protection and Restoration



Typical Low Bluff Regrading and Vegetating

Not to Scale



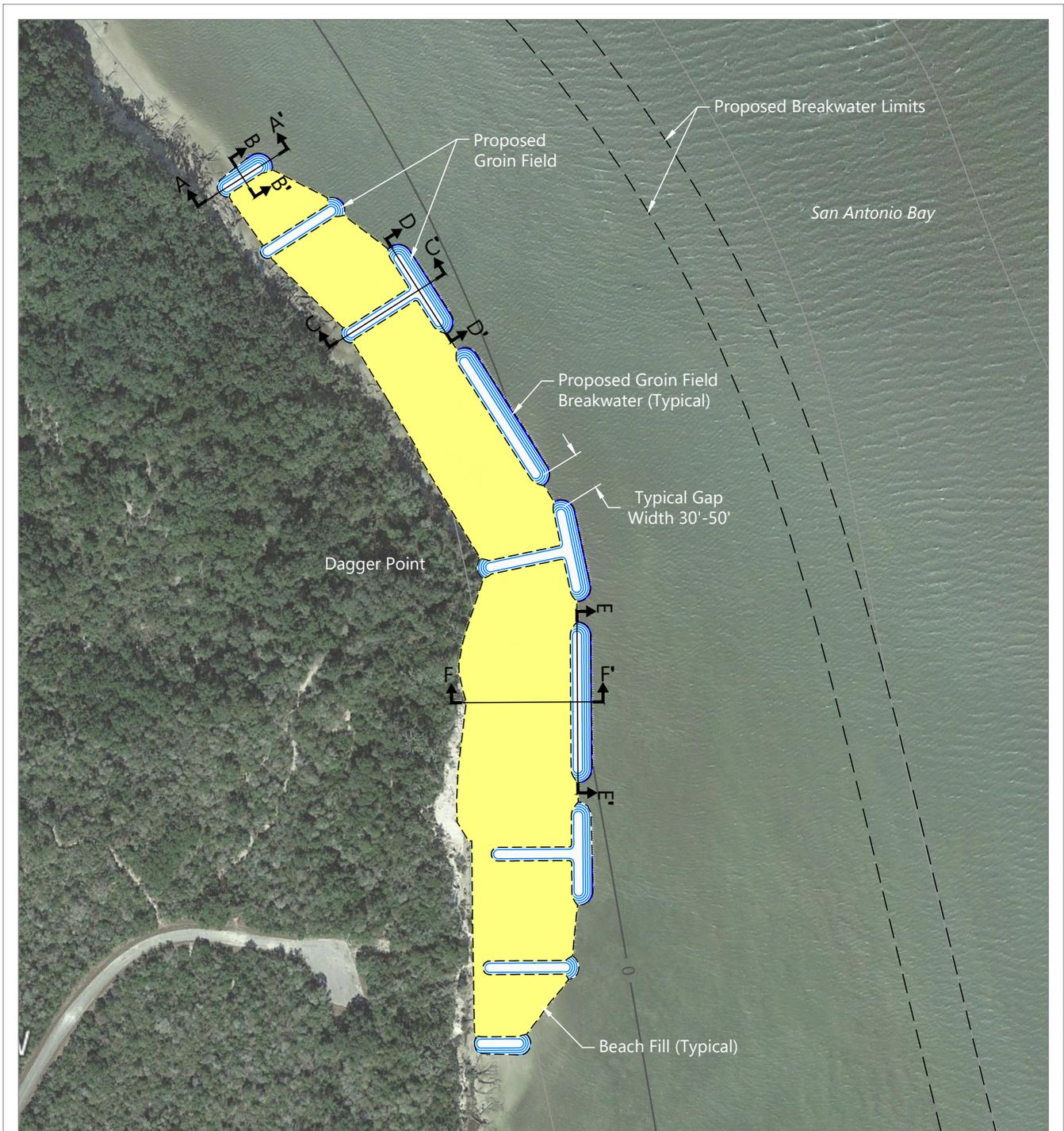
Typical High Bluff Self Stabilization and Toe Protection

Not to Scale

- NOTES:**
1. After slope has stabilized, planting of the slope may be carried out to further stabilize the slope.
 2. Actual design to be determined during final design. Geometry shown is for the purposes of estimating proposed impacts for permit.



Figure 7
Bluff Stabilization Alternatives

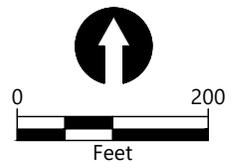


SOURCES:

1. Aerial image ©2020 Google Earth Pro dated January 2017
 2. Bathymetric survey by Naismith Marine Services dated August 2019
- HORIZONTAL DATUM:** Texas State Plane South Central, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

LEGEND:

-  Existing Bathymetry (1' Interval)
-  Cross Section Location and Designation (See Figures 9, 10 & 11)



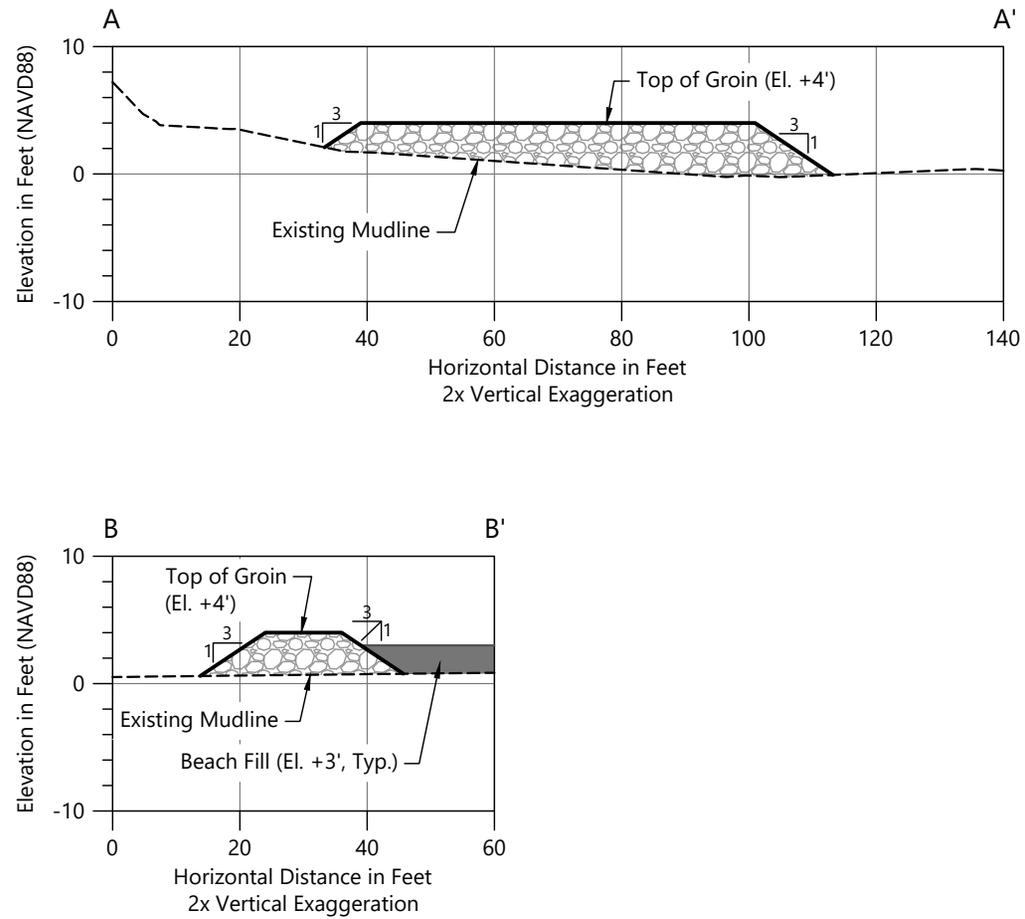
Publish Date: 2021/11/09 2:11 PM | User: dholmer

Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-003 (Groin Field).dwg Figure 8



Figure 8
Proposed Groin Field and Beach Fill Area Plan View

Environmental Assessment
 Dagger Point Coastal and Marine Habitat Protection and Restoration

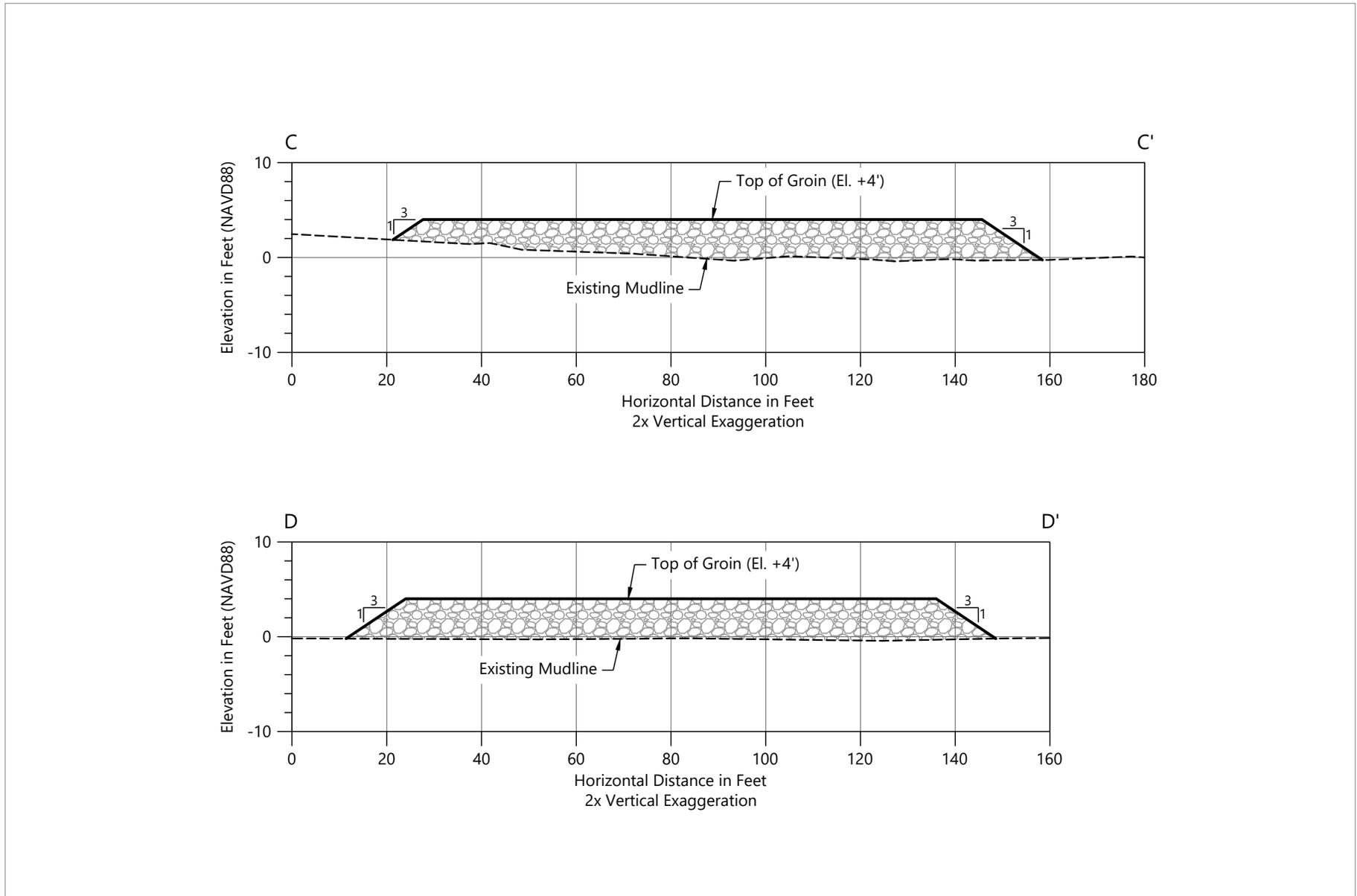


Publish Date: 2021/11/09 2:11 PM | User: dholmer
 Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-003 (Groin Field).dwg Figure 9



Figure 9
Typical Straight Groin Cross Sections

Environmental Assessment
 Dagger Point Coastal and Marine Habitat Protection and Restoration

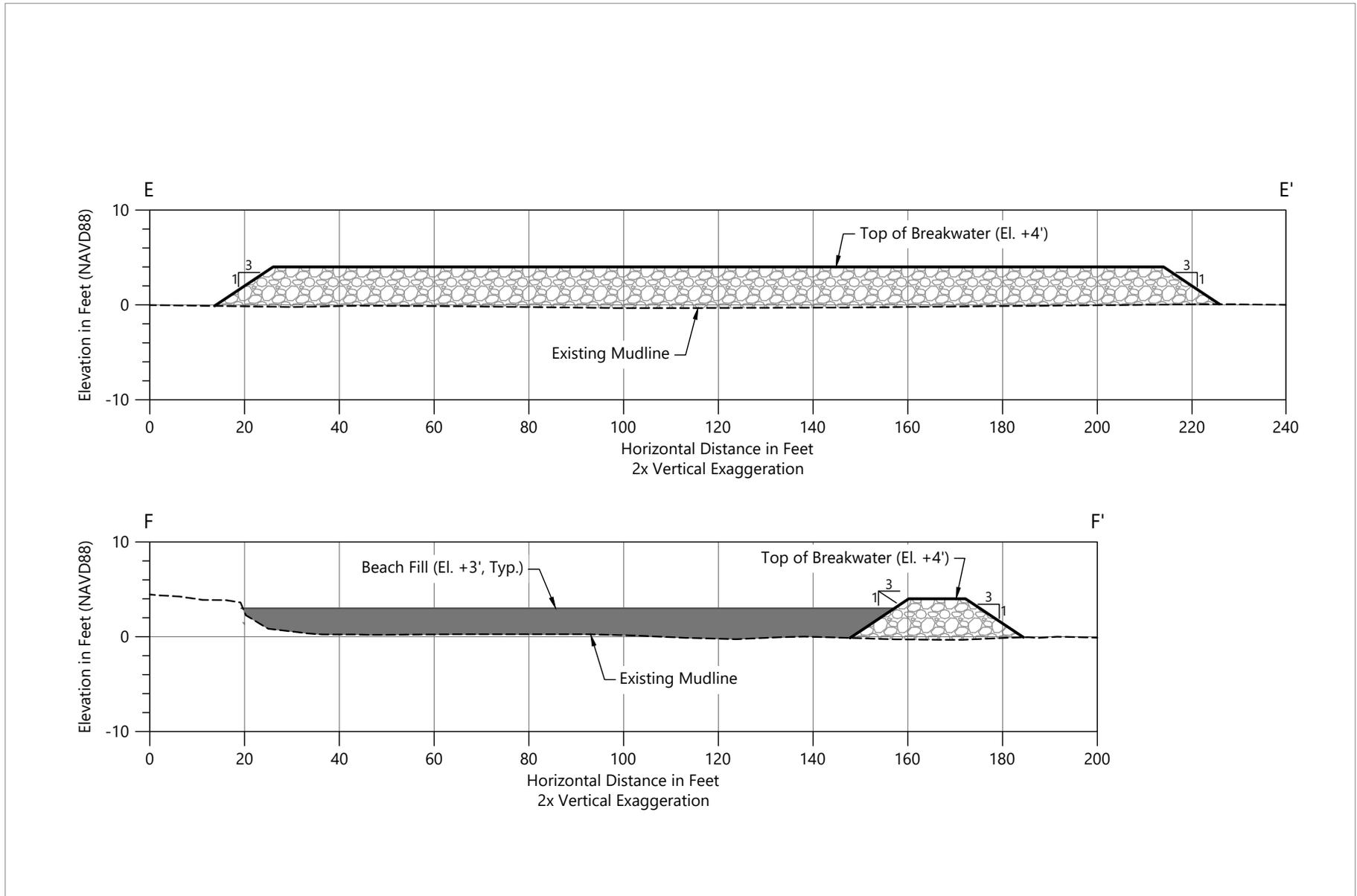


Publish Date: 2021/11/09 2:11 PM | User: dholmer
 Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-003 (Groin Field).dwg Figure 10



Figure 10
Typical T-Groin Cross Sections

Environmental Assessment
 Dagger Point Coastal and Marine Habitat Protection and Restoration



Publish Date: 2021/11/09 2:11 PM | User: dholmer
 Filepath: K:\Projects\0737-Coastal Bend Bays and Estuaries Project\Dagger Point Coastal Habitat Restoration\0737-EA-003 (Groin Field).dwg Figure 11



Figure 11
Typical Breakwater Cross Sections

Environmental Assessment
 Dagger Point Coastal and Marine Habitat Protection and Restoration