

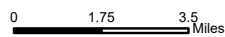


Project Location is
 N: 13626851.286822
 E: 3241732.559694
 Galveston OE S, Lake Como,
 Sea Isle, and San Luis Pass Quadrangles
 NAD 83 State Plane Texas Central

-  Project Location
-  Approximate Proposed Limits of Beach Nourishment

Datum: NAD 1983
 Projection: State Plane Texas South
 Central
 Units: Feet
 Basemap: Nat Geo World



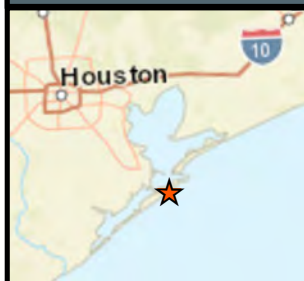
Sheet 1 of 17
 Vicinity Map
 Galveston Beach Nourishment
 Permit SWG-2007-01025

**The Park Board of Trustees
 of the City of Galveston**

Galveston, Galveston County, Texas

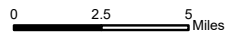
Job No.: 100086914	Scale: 1" = 3.5 miles
Prepared By: ATKINS/whit6392	Date: Nov 26, 2024

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- Authorized Borrow Area
- Borrow Area Boundary
- Approximate Proposed Limits of Beach Nourishment

Datum: NAD 1983
 Projection: State Plane Texas South
 Central
 Units: Feet
 Basemap: Bing Maps Aerial



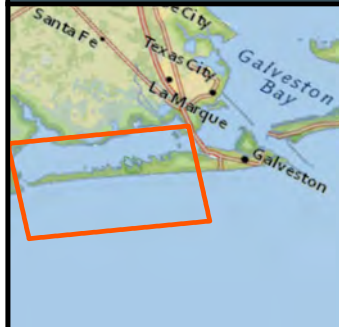
Sheet 2 of 17
 Nourishment and Borrow Areas
 Galveston Beach Nourishment
 Permit SWG-2007-01025

**The Park Board of Trustees
 of the City of Galveston**

Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 5 miles
Prepared By: ATKINS/whit6392	Date: Nov 26, 2024

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<ul style="list-style-type: none"> Approximate Proposed Limits of Beach Nourishment Pipeline Corridor Temporary Offshore Pipeline Temporary Onshore Pipeline 	<ul style="list-style-type: none"> Borrow Area Boundary
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Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial

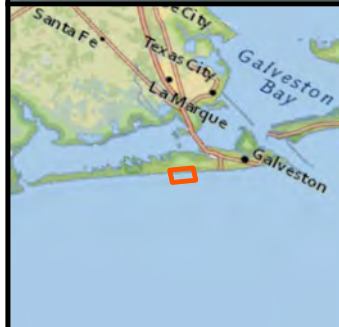
0 5,400 10,800
 Feet

NOTES:
 1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.
 2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.

Sheet 3 of 17
 Pipeline Routes Overview
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 10,800 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

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<ul style="list-style-type: none"> — Approximate Proposed Limits of Beach Nourishment - - - Pipeline Corridor — Temporary Offshore Pipeline - - - Temporary Onshore Pipeline 	<ul style="list-style-type: none"> Construction Entrance Borrow Area Boundary Typical Section Indicator
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NOTES:
 1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.
 2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.

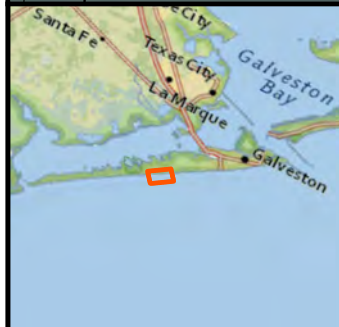
Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial

0 700 1,400
 Feet

Sheet 4 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

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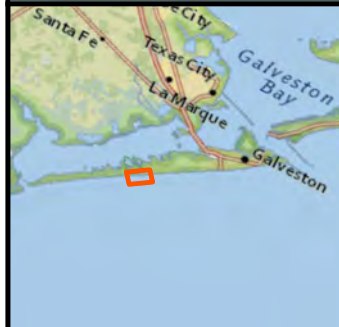
<ul style="list-style-type: none"> Approximate Proposed Limits of Beach Nourishment Pipeline Corridor Temporary Offshore Pipeline Temporary Onshore Pipeline 	<ul style="list-style-type: none"> Construction Entrance Borrow Area Boundary Typical Section Indicator 	<p>NOTES:</p> <p>1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.</p> <p>2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.</p>
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Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial

Sheet 5 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

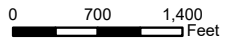
Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

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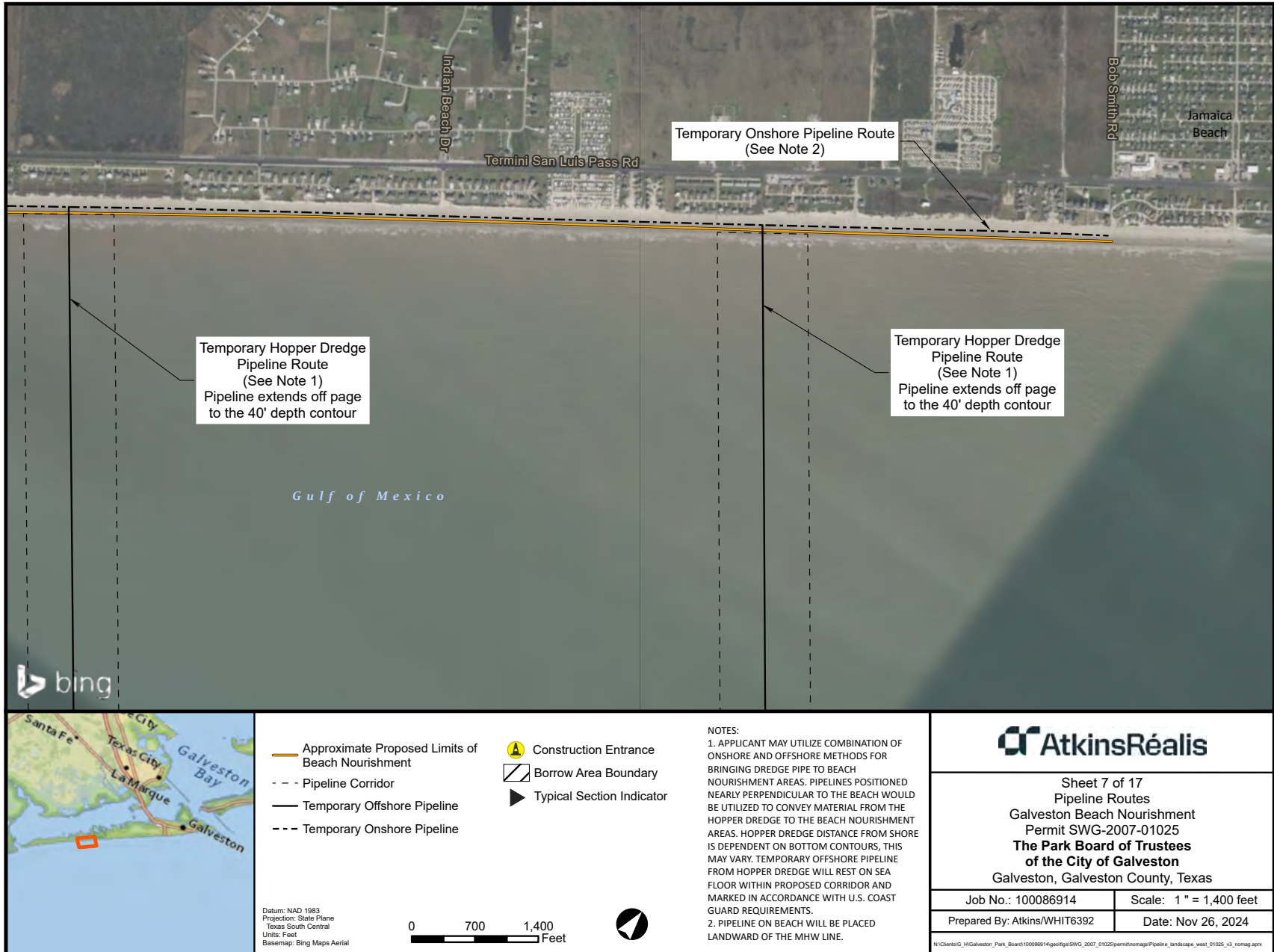


<ul style="list-style-type: none"> Approximate Proposed Limits of Beach Nourishment Pipeline Corridor Temporary Offshore Pipeline Temporary Onshore Pipeline 	<ul style="list-style-type: none"> Construction Entrance Borrow Area Boundary Typical Section Indicator 	<p>NOTES:</p> <p>1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.</p> <p>2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.</p>
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Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial



Sheet 6 of 17 Pipeline Routes Galveston Beach Nourishment Permit SWG-2007-01025 The Park Board of Trustees of the City of Galveston Galveston, Galveston County, Texas	
Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024
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Temporary Hopper Dredge Pipeline Route (See Note 1)
 Pipeline extends off page to the 40' depth contour

Temporary Onshore Pipeline Route (See Note 2)

Temporary Hopper Dredge Pipeline Route (See Note 1)
 Pipeline extends off page to the 40' depth contour

- Approximate Proposed Limits of Beach Nourishment
- Pipeline Corridor
- Temporary Offshore Pipeline
- Temporary Onshore Pipeline
- ▲ Construction Entrance
- Borrow Area Boundary
- ▶ Typical Section Indicator

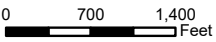
NOTES:
 1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.
 2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.



Sheet 7 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial



Microsoft Corporation, Earthstar Geographics LLC, GeoEye, Harris Corporation, NASA, and DigitalGlobe. Bing Maps Aerial. 2022. 1:16,800; generated by Atkins; using ArcGIS Pro. (26 November 2024)

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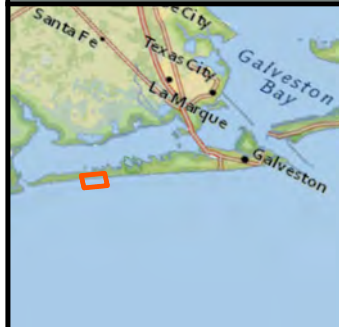


Temporary Onshore Pipeline Route
 (See Note 2)

Termini San Luis Pass Rd

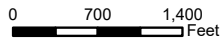
Temporary Hopper Dredge
 Pipeline Route
 (See Note 1)
 Pipeline extends off page
 to the 40' depth contour

Gulf of Mexico



- Approximate Proposed Limits of Beach Nourishment
- - - Pipeline Corridor
- Temporary Offshore Pipeline
- - - Temporary Onshore Pipeline
- Construction Entrance
- Borrow Area Boundary
- Typical Section Indicator

Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial



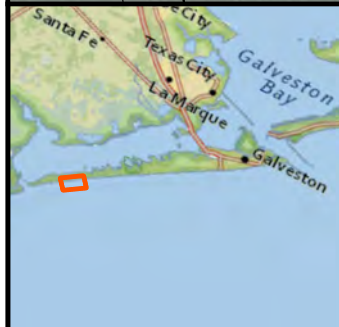
NOTES:
 1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.
 2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.



Sheet 8 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

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<ul style="list-style-type: none"> — Approximate Proposed Limits of Beach Nourishment Pipeline Corridor Temporary Offshore Pipeline Temporary Onshore Pipeline 	<ul style="list-style-type: none"> Construction Entrance Borrow Area Boundary Typical Section Indicator
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NOTES:
 1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.
 2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.

Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial

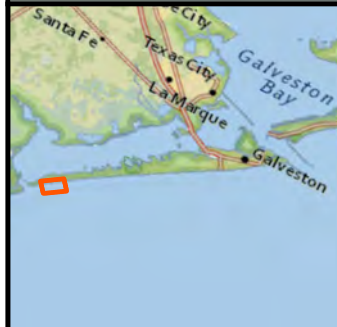
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AtkinsRéalis

Sheet 9 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

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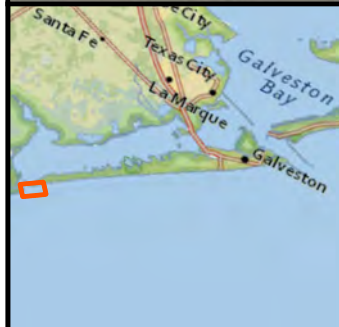
<ul style="list-style-type: none"> — Approximate Proposed Limits of Beach Nourishment - - - Pipeline Corridor — Temporary Offshore Pipeline - - - Temporary Onshore Pipeline 	<ul style="list-style-type: none"> Construction Entrance Borrow Area Boundary Typical Section Indicator 	<p>NOTES: 1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS. 2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.</p>
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Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial

Sheet 10 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024


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<ul style="list-style-type: none"> — Approximate Proposed Limits of Beach Nourishment - - - Pipeline Corridor — Temporary Offshore Pipeline - - - Temporary Onshore Pipeline 	<ul style="list-style-type: none"> ▲ Construction Entrance Borrow Area Boundary ▶ Typical Section Indicator 	<p>NOTES:</p> <p>1. APPLICANT MAY UTILIZE COMBINATION OF ONSHORE AND OFFSHORE METHODS FOR BRINGING DREDGE PIPE TO BEACH NOURISHMENT AREAS. PIPELINES POSITIONED NEARLY PERPENDICULAR TO THE BEACH WOULD BE UTILIZED TO CONVEY MATERIAL FROM THE HOPPER DREDGE TO THE BEACH NOURISHMENT AREAS. HOPPER DREDGE DISTANCE FROM SHORE IS DEPENDENT ON BOTTOM CONTOURS, THIS MAY VARY. TEMPORARY OFFSHORE PIPELINE FROM HOPPER DREDGE WILL REST ON SEA FLOOR WITHIN PROPOSED CORRIDOR AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REQUIREMENTS.</p> <p>2. PIPELINE ON BEACH WILL BE PLACED LANDWARD OF THE MHW LINE.</p>
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Datum: NAD 1983
 Projection: State Plane
 Texas South Central
 Units: Feet
 Basemap: Bing Maps Aerial

0 700 1,400
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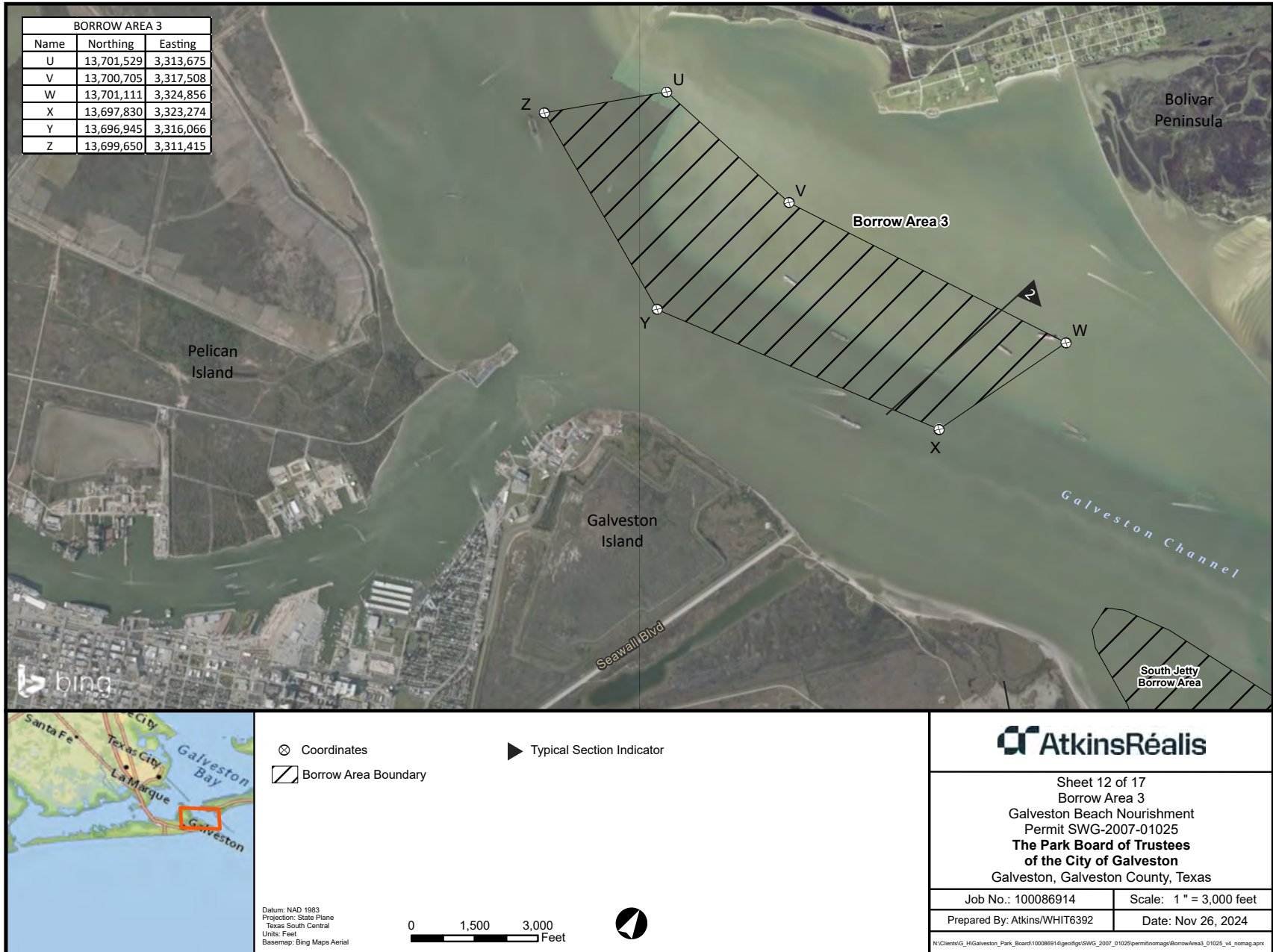


Sheet 11 of 17
 Pipeline Routes
 Galveston Beach Nourishment
 Permit SWG-2007-01025
**The Park Board of Trustees
 of the City of Galveston**
 Galveston, Galveston County, Texas

Job No.: 100086914	Scale: 1" = 1,400 feet
Prepared By: Atkins/WHIT6392	Date: Nov 26, 2024

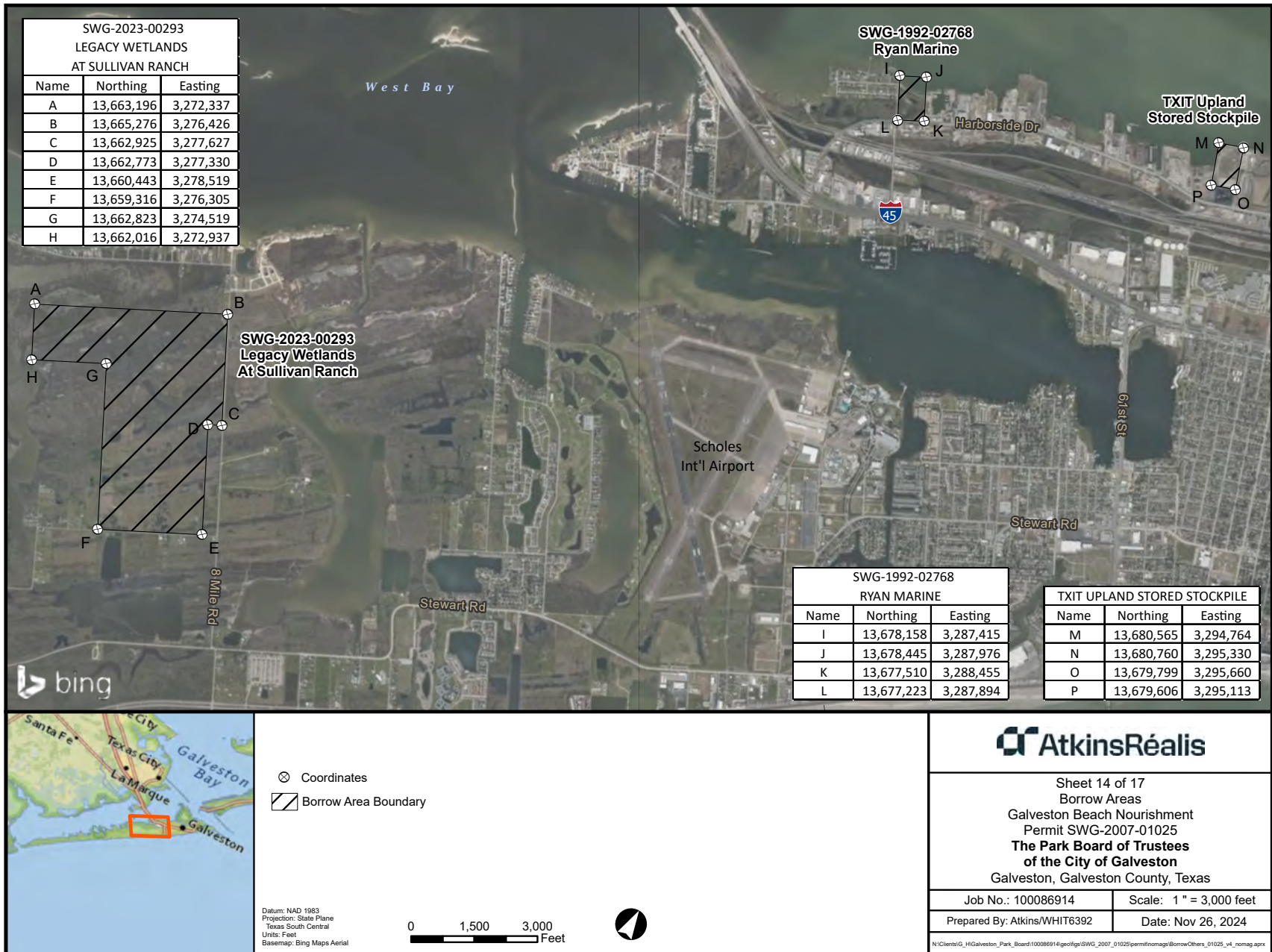
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Microsoft Corporation, Earthstar Geographics LLC, GeoEye, Harris Corporation, NASA, and DigitalGlobe. Bing Maps Aerial. 2022. 1:16,800; generated by Atkins; using ArcGIS Pro. (26 November 2024)



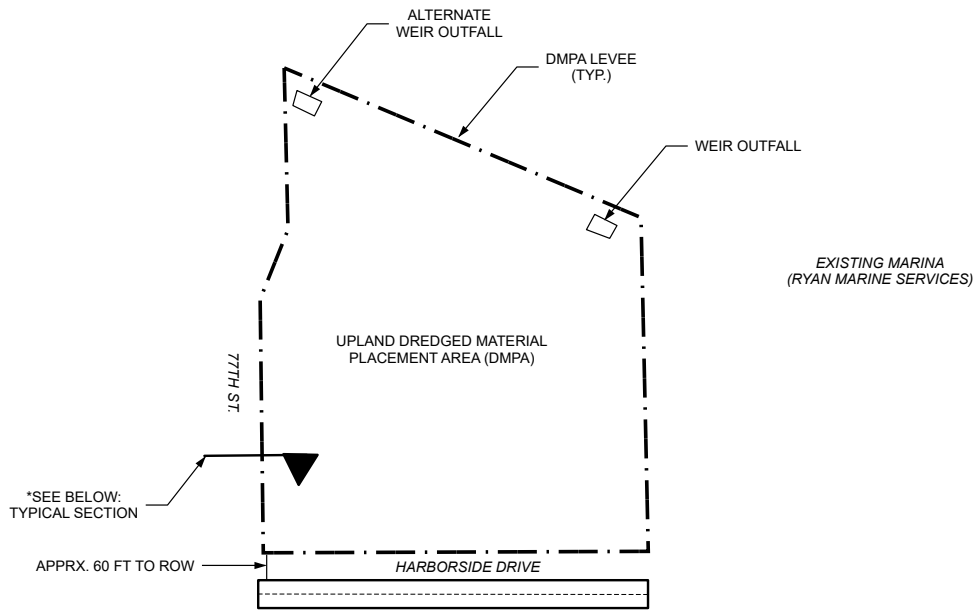


Microsoft Corporation, Earthstar Geographics LLC, GeoEye, Harris Corporation, NASA, and DigitalGlobe. Bing Maps Aerial. 2022.
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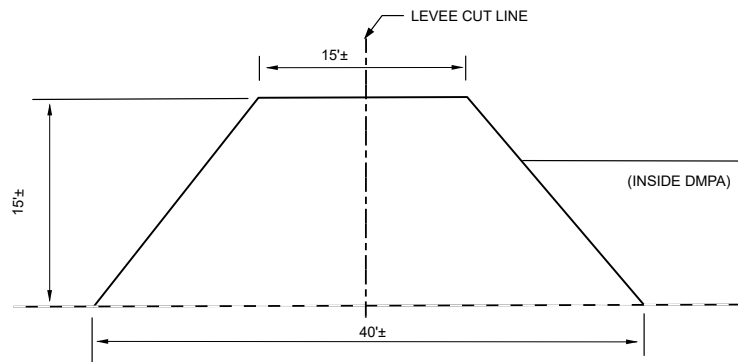


Microsoft Corporation, Earthstar Geographics LLC, GeoEye, Harris Corporation, NASA, and DigitalGlobe. Bing Maps Aerial. 2022.
 1:36,000; generated by Atkins; using ArcGIS Pro. (26 November 2024)

UPLAND DREDGED MATERIAL PLACEMENT AREA (DMPA) PLAN
SWG-1992-02768



***TYPICAL SECTION - DMPA LEVEE**



NOTES:

1. ALL ELEVATIONS ARE SHOWN IN FEET
2. SECTIONS REPRESENT EXISTING CONDITIONS OF POTENTIAL SAND BORROW AREA



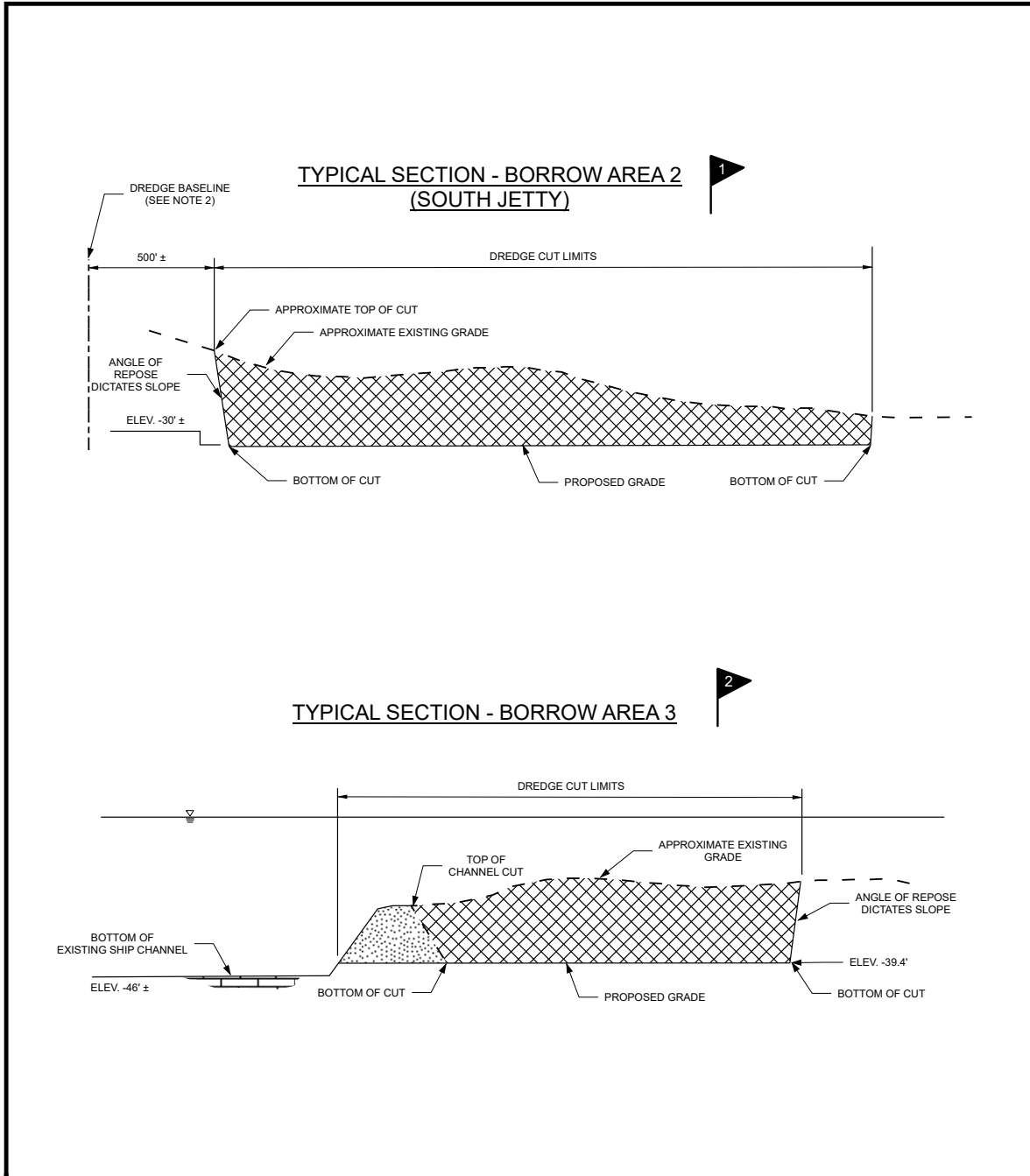
Sheet 15 of 17
 Placement Area Typical Section
 Galveston Beach Nourishment
 Permit SWG-2007-01025

**The Park Board of Trustees
 of the City of Galveston**

Galveston, Galveston County, Texas

Job No.: 100086914	Scale: Not to Scale
Prepared By: ATKINS/whit6392	Date: Nov 26, 2024

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NOTES:

1. ALL ELEVATIONS ARE SHOWN IN FEET AND REFER TO NAVD' 88
2. DREDGE BASELINE IS APPROXIMATE CENTERLINE OF EXISTING SOUTH JETTY



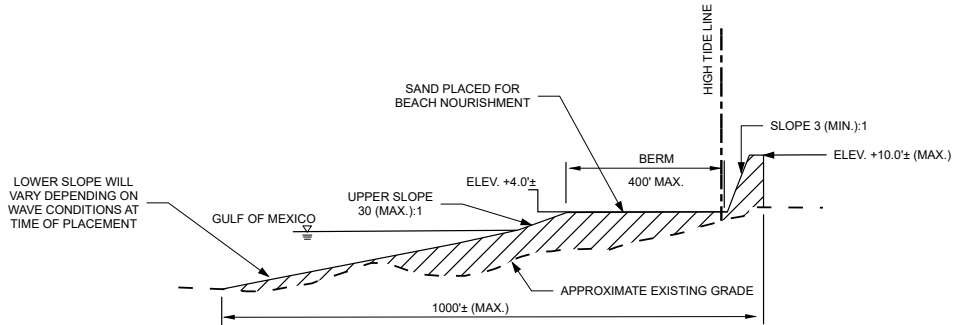
Sheet 16 of 17
 Borrow Areas Typical Sections
 Galveston Beach Nourishment
 Permit SWG-2007-01025

**The Park Board of Trustees
 of the City of Galveston**

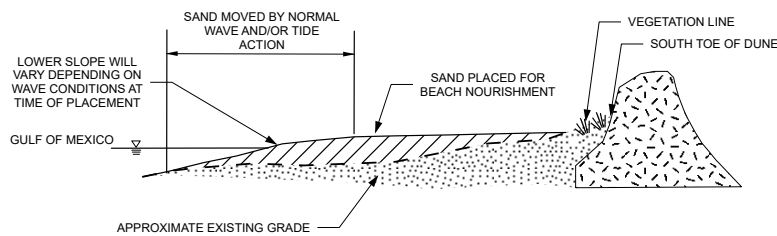
Galveston, Galveston County, Texas

Job No.: 100086914	Scale: Not to Scale
Prepared By: ATKINS/whit6392	Date: Nov 26, 2024

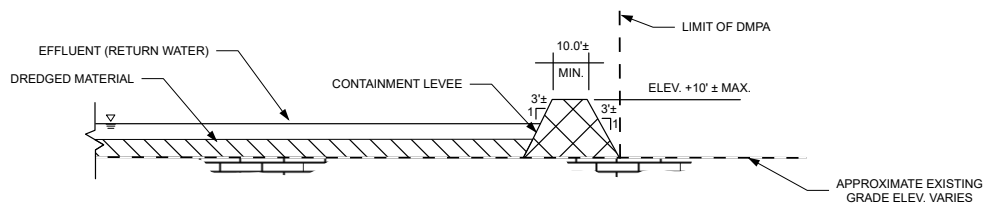
TYPICAL BEACH NOURISHMENT SECTION - DELLANERA



TYPICAL GALVESTON BEACH NOURISHMENT SECTION



TYPICAL SECTION - DMPA CONTAINMENT LEVEE



NOTES:

1. ALL ELEVATIONS ARE SHOWN IN FEET



Sheet 17 of 17
 Typical Sections
 Galveston Beach Nourishment
 Permit SWG-2007-01025

**The Park Board of Trustees
 of the City of Galveston**

Galveston, Galveston County, Texas

Job No.: 100086914

Scale: Not to Scale

Prepared By: ATKINS/whit6392

Date: Nov 26, 2024