



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, GALVESTON DISTRICT
P. O. BOX 1229
GALVESTON, TEXAS 77553-1229

December 18, 2019

Evaluation Branch

SUBJECT: Permit No. SWG-2015-00313; Nationwide Permit Verification

Mr. Philip Smith
Galveston Bay Foundation
1100 Hercules Avenue, Suite 200
Houston, Texas 77058

Dear Mr. Smith:

This is in reference to your request, dated October 1, 2019, to discharge a total of 1,306,500 cubic yards of fill in the form of 1,264,000 cubic yards of hydraulically dredged material from the Gulf Intracoastal Waterway (GIWW) and 42,500 cubic yards of mechanically dredged in-situ material into no more than 242 acres of submerged bay bottom for the Pierce Marsh Restoration Project. The mechanically dredged in-situ material will be used to raise 37,650 linear feet (10.8 acres) of existing containment levees to a height not to exceed +3.7 NAVD88. The project site is located in Basford Lake, north of Basford Bayou and southwest of Bayou Vista, in Galveston County, Texas.

This request is verified by Nationwide Permit (NWP) 27 pursuant to Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899. This NWP verification is valid provided the activity is compliant with the enclosed plans, in 11 sheets. In addition, the activity must be in compliance with the NWP General/Regional Conditions, Section 401 Water Quality Certification, and the Coastal Management Program, which can be found at: <http://www.swg.usace.army.mil/Business-With-Us/Regulatory/Permits/Nationwide-General-Permits/>, a hard copy can be provided to you upon request.

Nationwide Permit 27. Aquatic Habitat Restoration, Enhancement, and Establishment Activities: Activities in waters of the United States associated with the restoration, enhancement, and establishment of tidal and non-tidal wetlands and riparian areas.

This NWP verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2022. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This verification does not address nor include any consideration for geographic jurisdiction on aquatic resources and shall not be interpreted as such. If you have any questions regarding this verification, please contact Tasha L. Metz, Ph.D. at the letterhead address or by telephone at 409-766-6384. Please notify the Chief of the Compliance Branch in the Galveston District Regulatory Division, in writing, at the letterhead address, upon completion of the authorized project.

FOR THE DISTRICT COMMANDER:



Kristi N. McMillan
Leader, Central Evaluation Unit

cc w/Encl.

Eighth Coast Guard District, New Orleans, LA

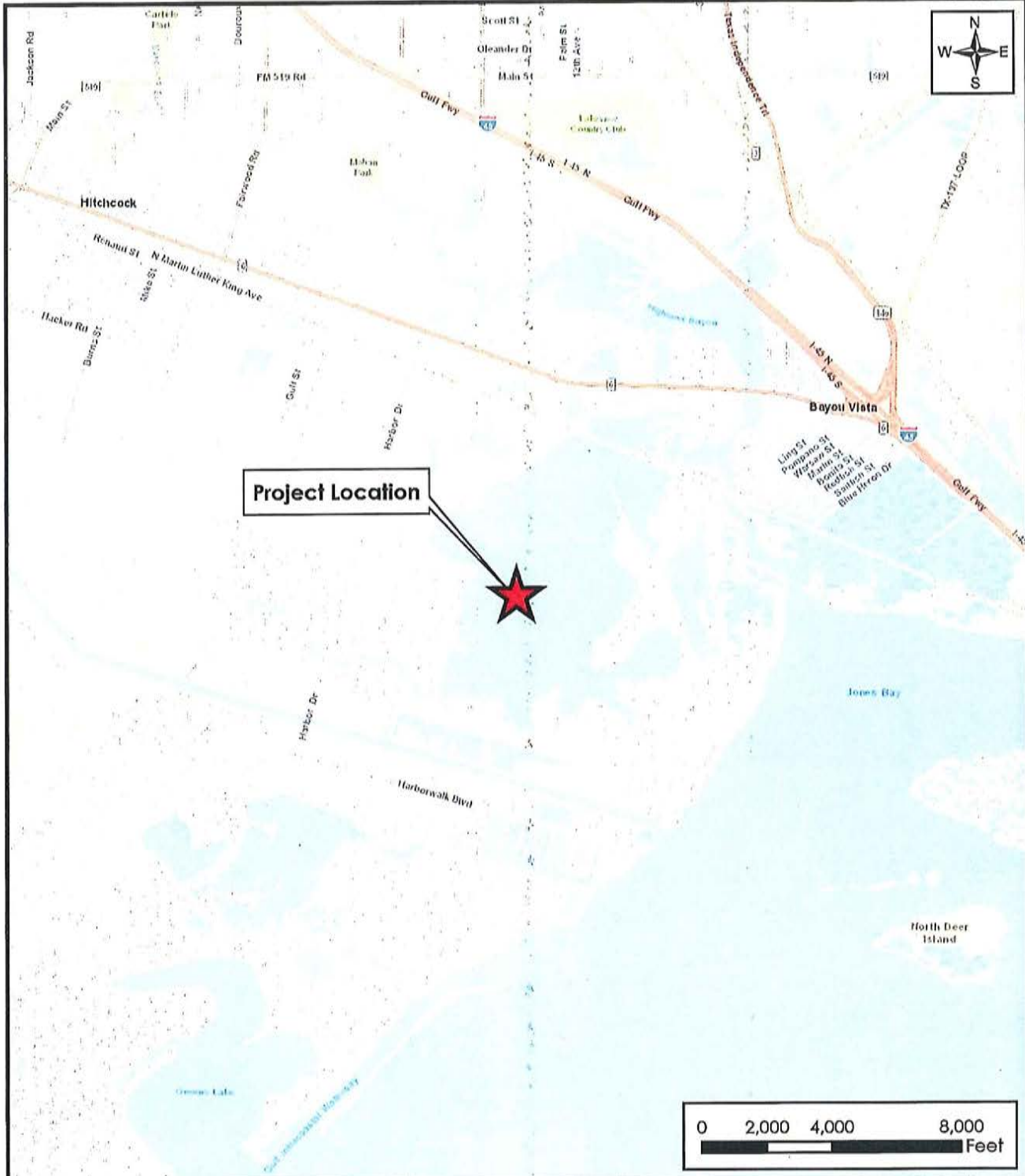
National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Coast & Geodetic Survey, Silver Spring, MD

Texas Commission on Environmental Quality

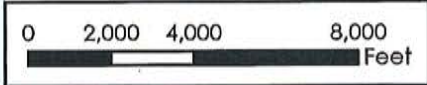
Texas General Land Office

PERMITTED PLANS

OCT 01 2019



Project Location



LOCATION MAP

Project Name: Plerce Marsh Restoration - Beneficial Use	
Project Location: Galveston County, TX	
Image Source: ESRI World Street Map	
Projection: NAD 1983, UTM Zone 15N	
Date Drawn: 8/26/2019	Drawn by: H.Lelja



GALVESTON BAY
FOUNDATION

1100 Hercules Ave. Ste. 200, Houston, TX; (281) 332-3381



- Pierce Marsh Property Boundary
- BU Source Material Location (A) - GIWW
- BU Source Material Location (B) - Offatts Bayou
- Proposed Pipeline Route
- Completed Restoration Area (1722 ac)
- Proposed Restoration Area (242 ac)

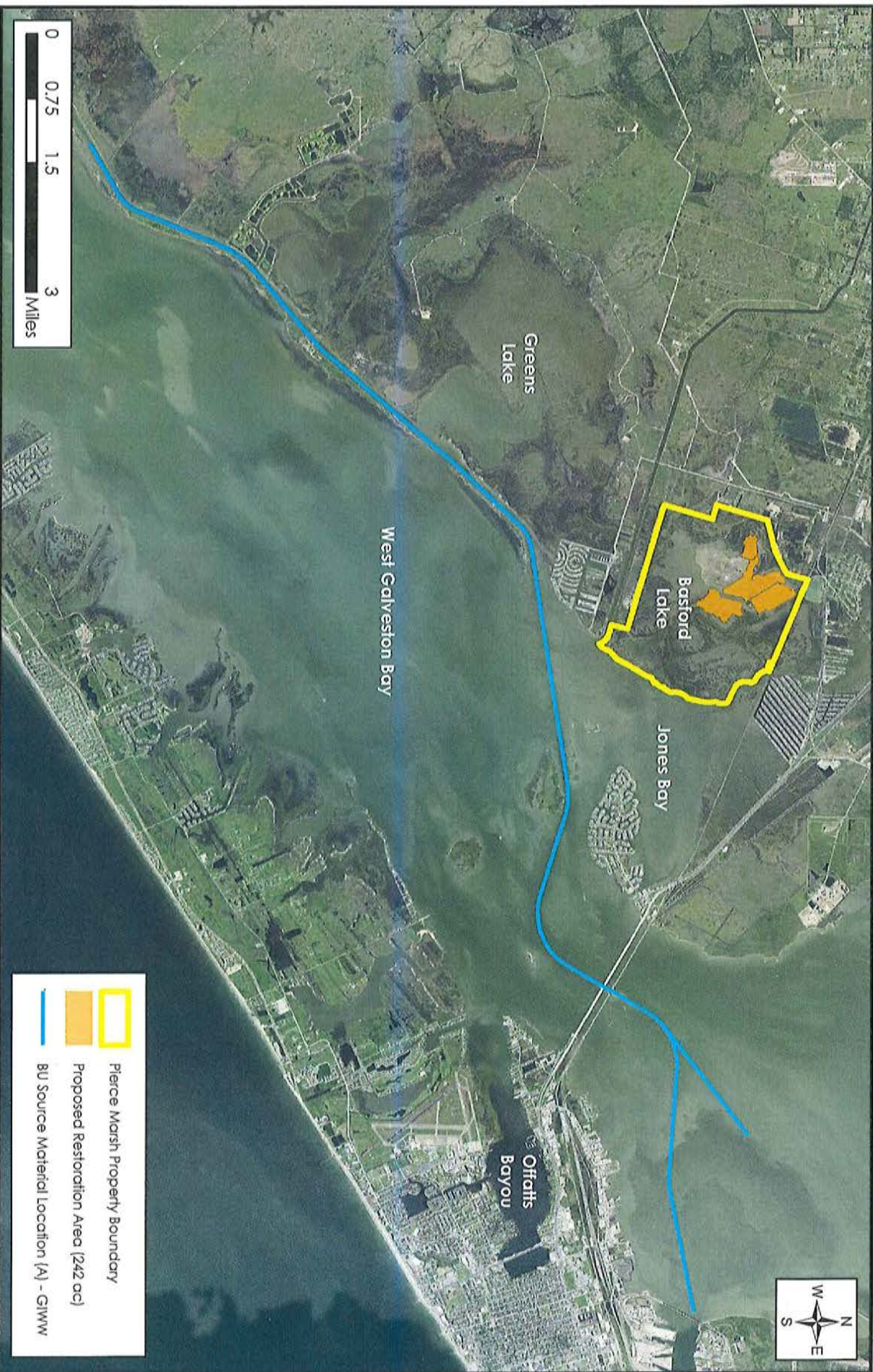
PROPOSED PROJECT OVERVIEW

Project Name: Pierce Marsh Restoration - Beneficial Use
Project Location: Galveston County, TX
Image Source: 2016 NAIP True Color
Projection: NAD 1983, UTM Zone 15N
Date Drawn: 11/18/2019
Drawn by: H.Leija



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BU Source Material Location Option A

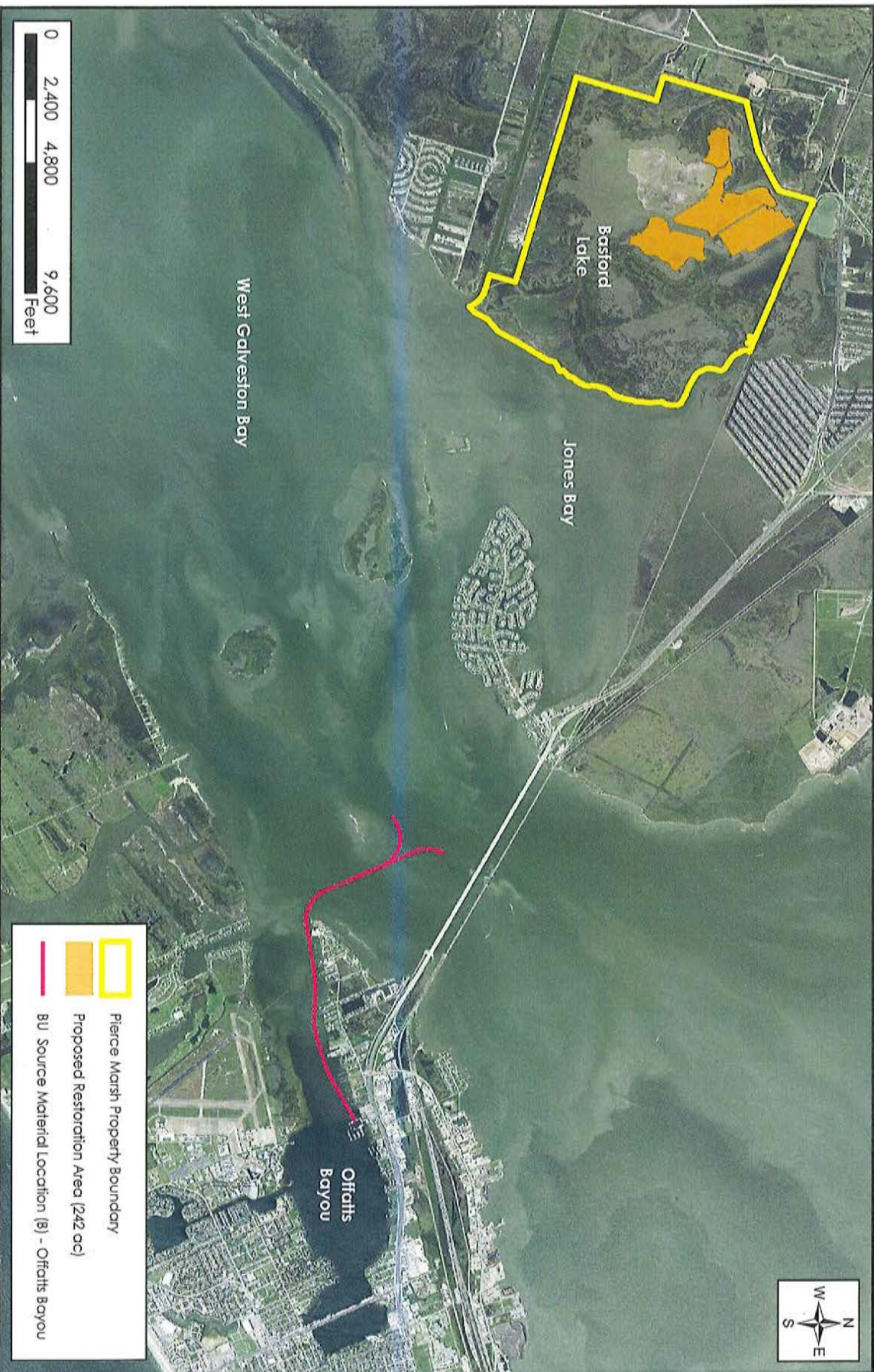
Project Name: Pierce Marsh Restoration - Beneficial Use
Project Location: Galveston County, TX
Image Source: 2016 NAIP True Color
Projection: NAD 1983, UTM Zone 15N
Date Drawn: 11/18/2019
Drawn by: H.Leija

	Pierce Marsh Property Boundary
	Proposed Restoration Area (242 ac)
	BU Source Material Location (A) - GIWW




GALVESTON BAY
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BU Source Material Location Option B

Project Name: Pierce Marsh Restoration - Beneficial Use
 Project Location: Galveston County, TX
 Image Source: 2016 NAIP True Color
 Projection: NAD 1983, UTM Zone 15N
 Date Drawn: 11/15/2019
 Drawn by: H.Leija

	Pierce Marsh Property Boundary
	Proposed Restoration Area (242 ac)
	BU Source Material Location (B) - Offatts Bayou



GALVESTON BAY
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-  Pierce Marsh Property Boundary
-  Proposed Restoration Area (242 ac)
-  Proposed Levee Raising
-  Proposed Water Control Structures
-  Proposed Pipeline Route
-  Completed Restoration Area (122 ac)

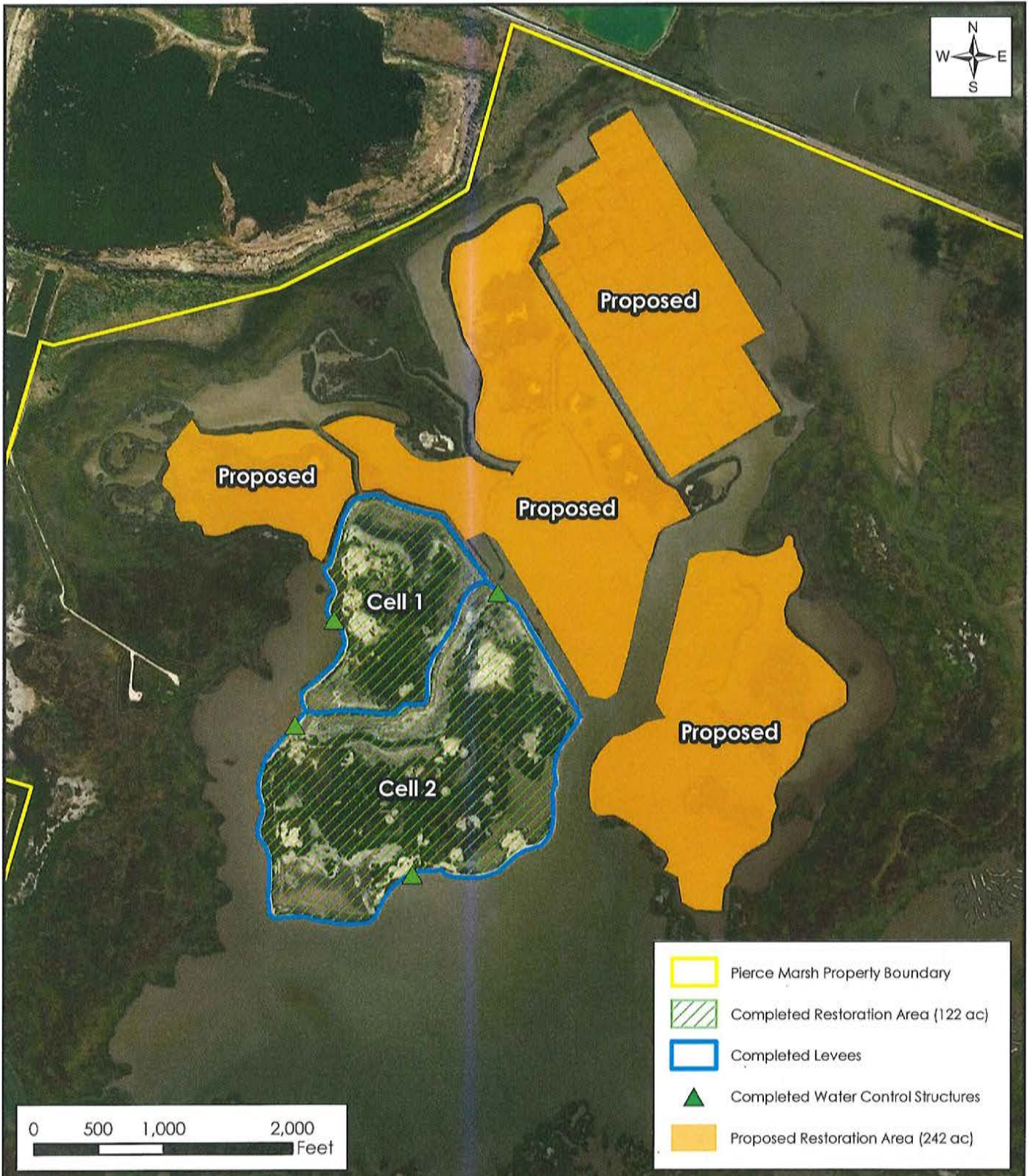
PROPOSED 2020 ACTIVITIES






Project Name: 2020 Pierce Marsh Restoration - Beneficial Use	
Project Location: Galveston County, TX	
Image Source: ESRI World Imagery	
Projection: NAD 1983, UTM Zone 15N	
Date Drawn: 11/15/2019	Drawn by: H.Lejja



GALVESTON BAY
FOUNDATION

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-  Pierce Marsh Property Boundary
-  Completed Restoration Area (122 ac)
-  Completed Levees
-  Completed Water Control Structures
-  Proposed Restoration Area (242 ac)

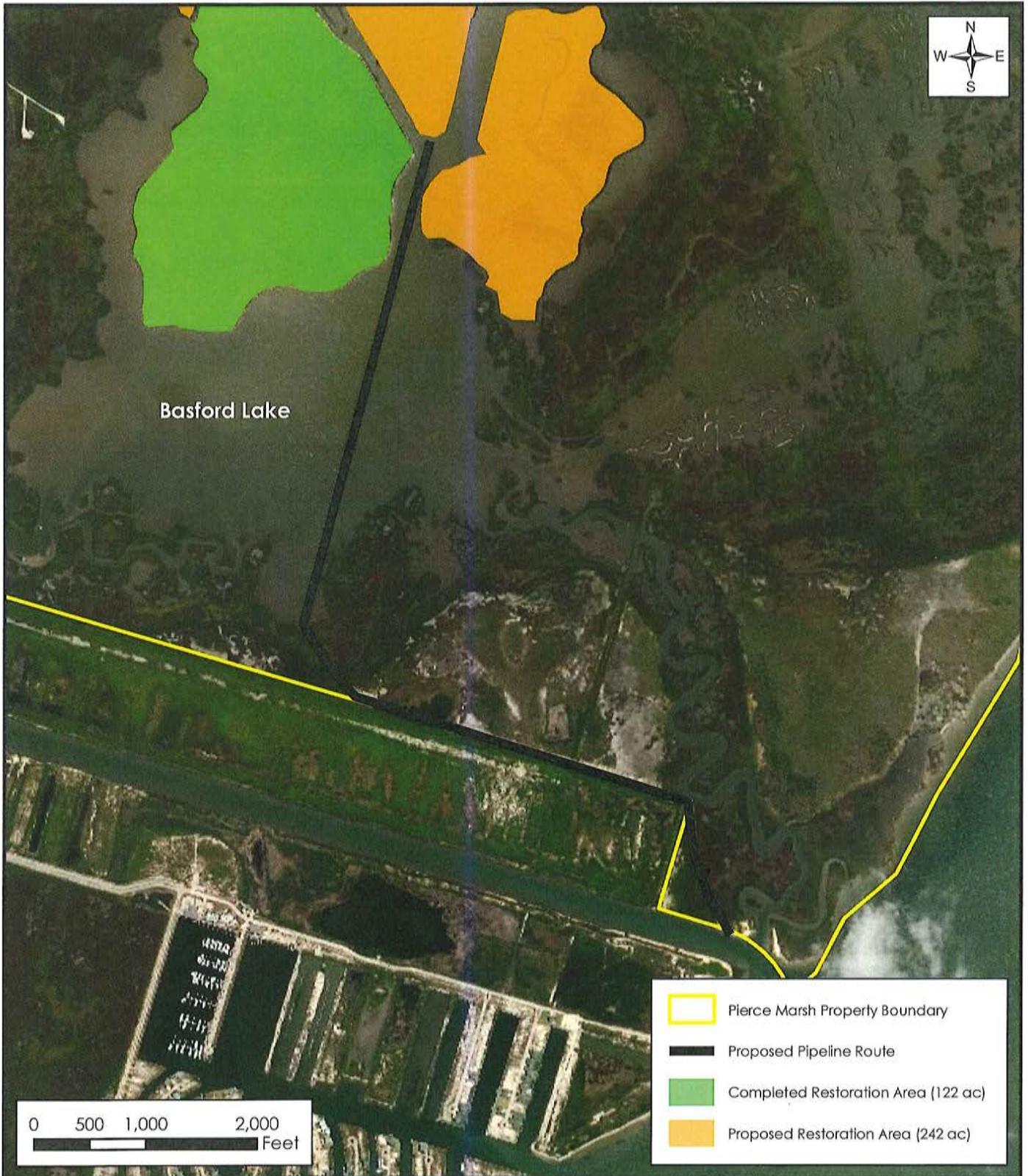
2015-2016 ACTIVITIES COMPLETED

Project Name: 2015-2016 Pierce Marsh Restoration - Beneficial Use	
Project Location: Galveston County, TX	
Image Source: ESRI World Imagery	
Projection: NAD 1983, UTM Zone 15N	
Date Drawn: 11/15/2019	Drawn by: H.Leija



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FOUNDATION**

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-  Pierce Marsh Property Boundary
-  Proposed Pipeline Route
-  Completed Restoration Area (122 ac)
-  Proposed Restoration Area (242 ac)

PROPOSED PIPELINE ROUTE

Project Name: 2020 Pierce Marsh Restoration - Beneficial Use	
Project Location: Galveston County, TX	
Image Source: ESRI World Imagery	
Projection: NAD 1983, UTM Zone 15N	
Date Drawn: 11/15/2019	Drawn by: H.Leija

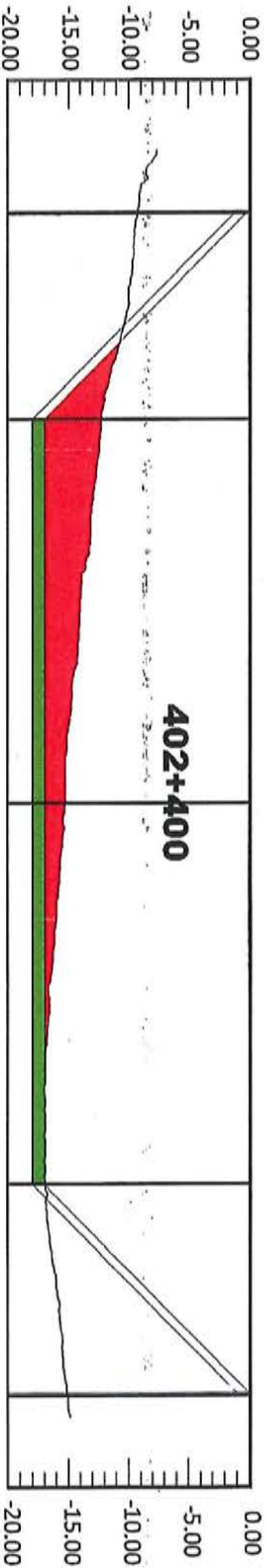


**GALVESTON BAY
FOUNDATION**

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PERMITTED PLANS

TYPICAL SECTION VIEW OF DREDGED AREA- GIWW DREDGED STATION 363+0000 THROUGH 405+000

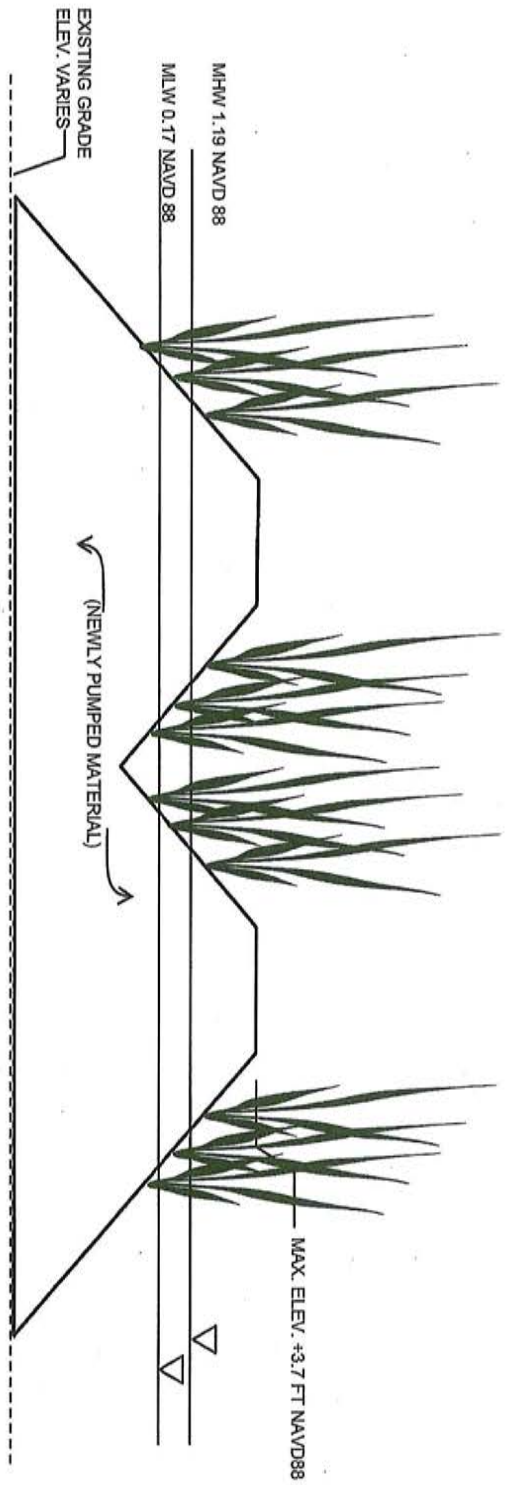


TYPICAL REQUIRED DEPTH -17.5 MLW (-17.4 MLW IN NAVD88)
ALLOWABLE OVER DEPTH -18.5 MLW (-18.4 MLW IN NAVD88)

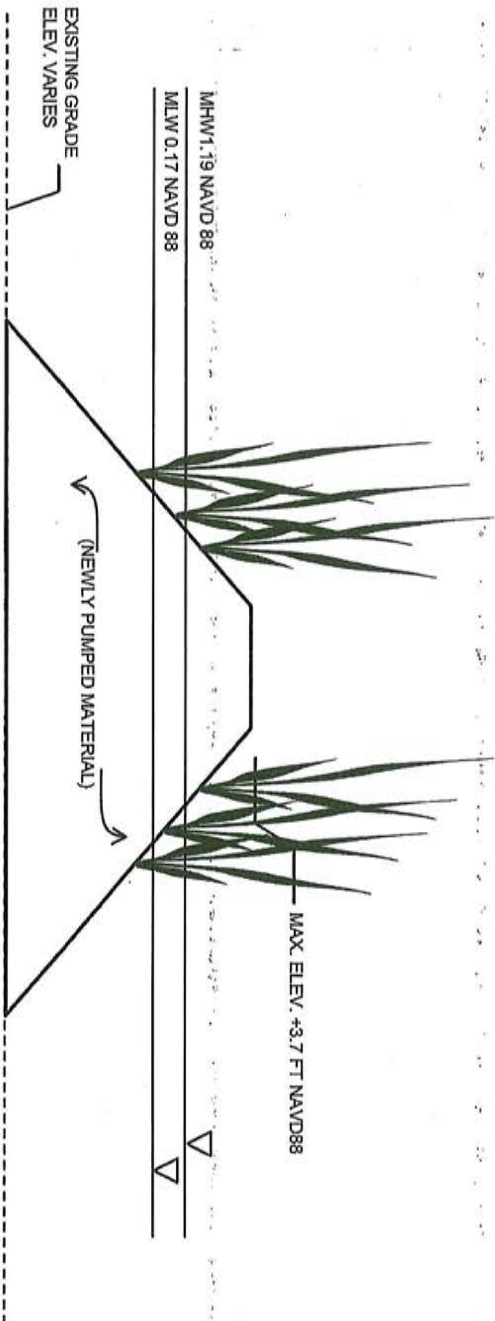
■ DREDGE MATERIAL TO BE BENEFICIALLY USED AT PIERCE MARSH

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PERMITTED PLANS



DISCHARGE POINT COALESCING WITH LEVEE - SECTION VIEW



DISCHARGE POINT (COALESCING) - SECTION VIEW

NOTE: WATER DEPTHS WITHIN MARSH RESTORATION AREAS VARY -.7 FEET to +0.7 FEET NAVD88

PERMITTED PLANS

