



HOLLAWAY
ENVIRONMENTAL + COMMUNICATIONS

Maintenance Dredging at
Vertex Dock
Chambers County, Texas
SWG-1992-02709

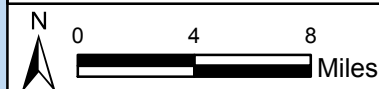
LEGEND

★ Project Area (0.48 ac)

County Boundaries

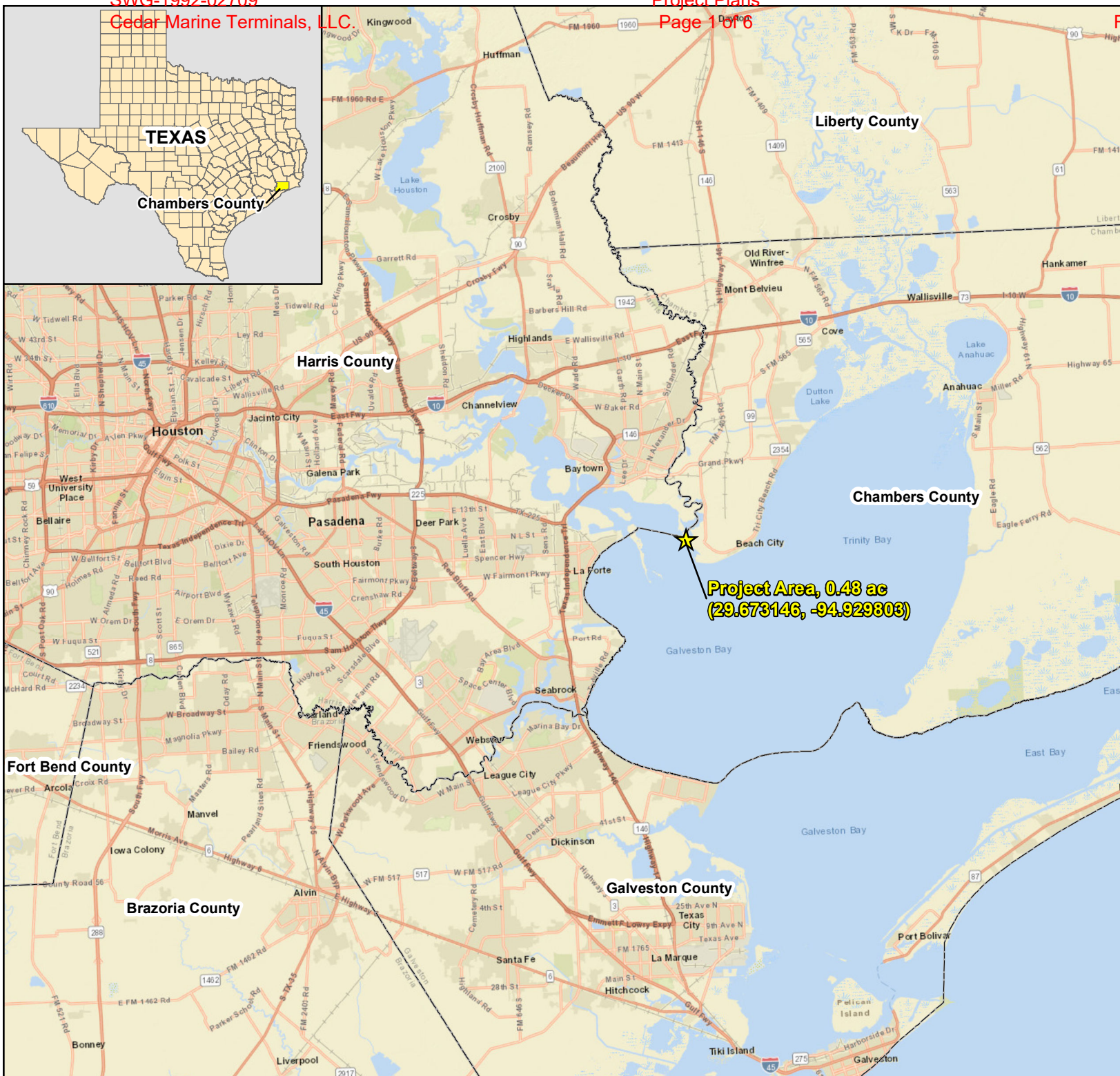
Exhibit 1

Vicinity Map



NOTES

- Centroid Coordinates: 29.673146, -94.929803



Harris County

Liberty County

Chambers County

Galveston County

Brazoria County

Project Area, 0.48 ac
(29.673146, -94.929803)

TEXAS

Chambers County

Fort Bend County



HOLLAWAY
ENVIRONMENTAL + COMMUNICATIONS

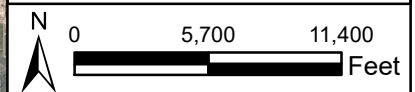
Cedar Marine Terminals
Maintenance Dredging
SWG-1992-02709
Chambers County, Texas

LEGEND

- ★ Project Area (0.48 ac)
- Adloy Placement Area

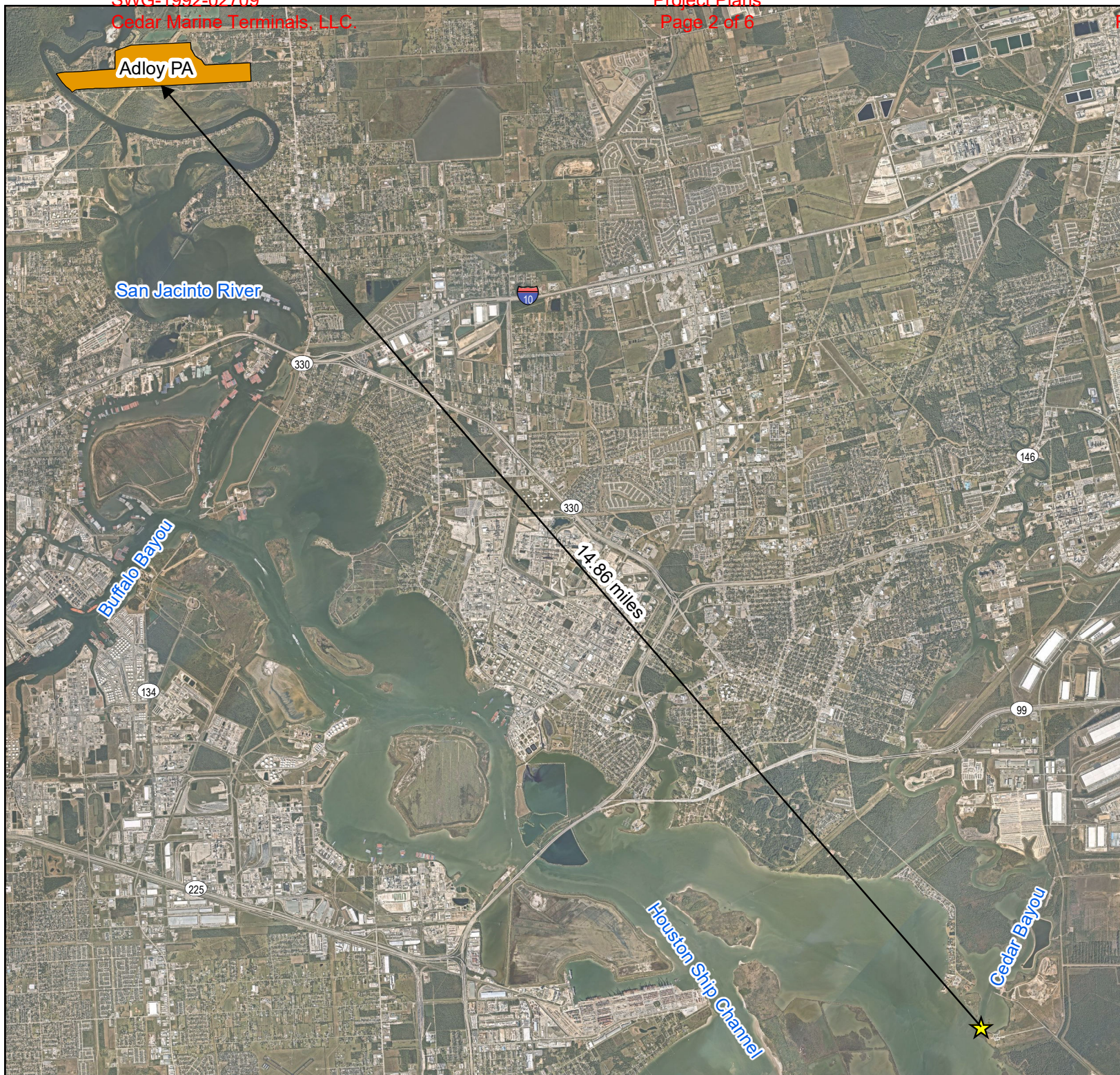
Exhibit 3

**DMPA and Project Area
Location Map**



NOTES

- Project Area Centroid Coordinates:
29.673169, -94.929770
- Placement Area Centroid Coordinates:
29.841238, -95.085411
- NearMap Aerial Date: 10/19/2022



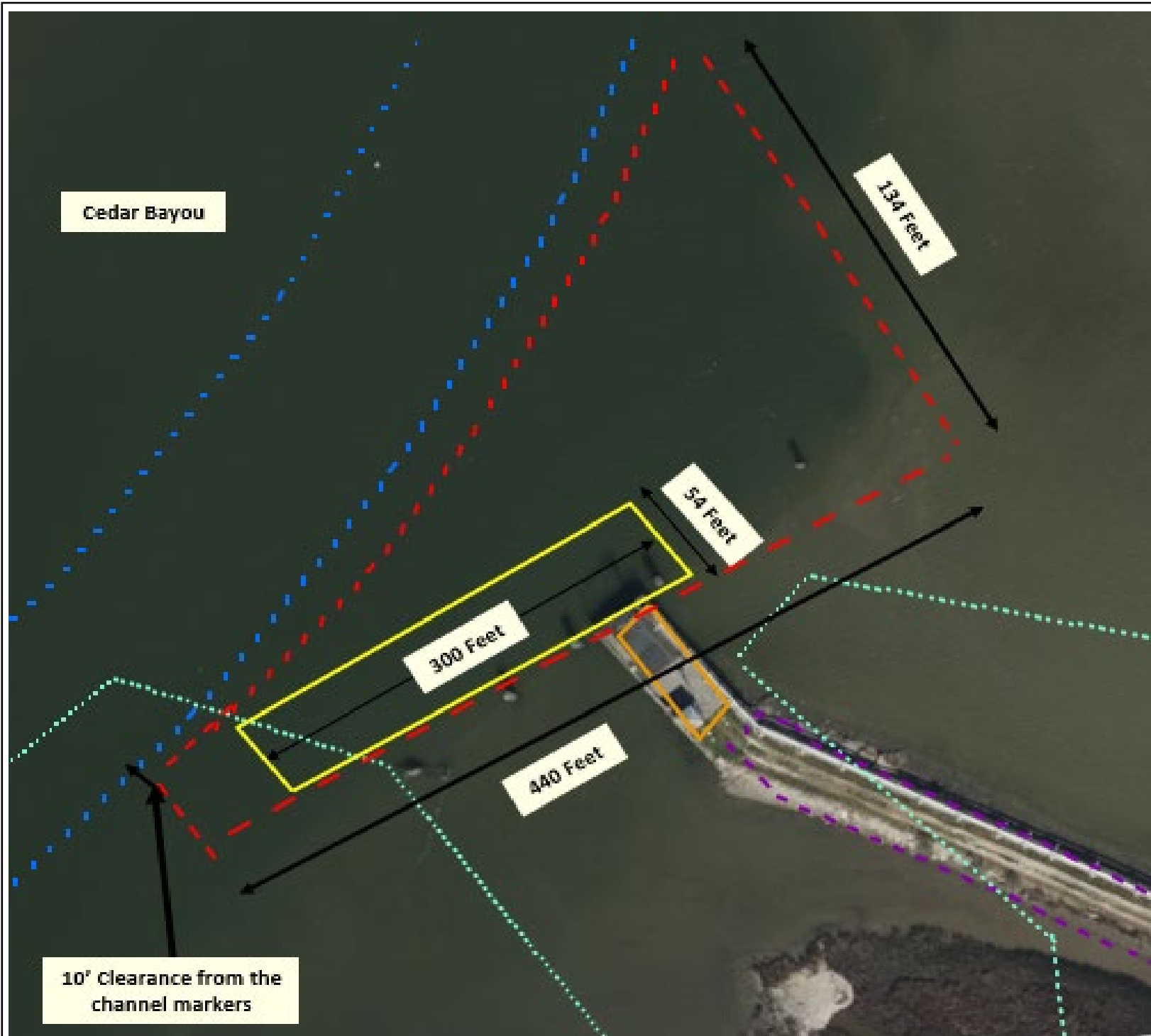


New Exhibit 5:

Revised 2023 Aerial Map

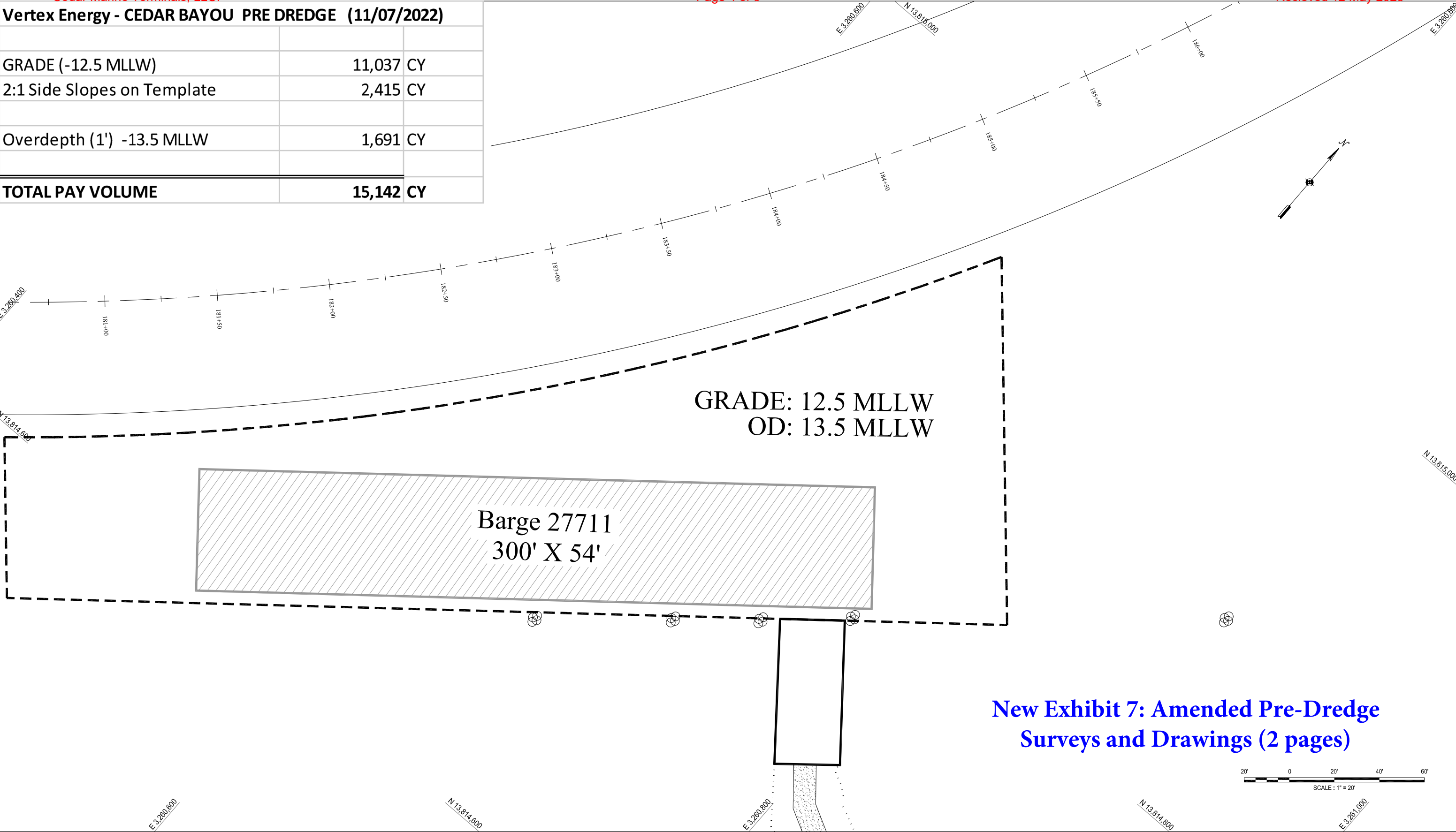
Legend:

-  Project Area
-  Navigable Channel
-  Dock
-  MHTL
-  MLLW (0.01 ft)
-  Dredge Area



Vertex Energy - CEDAR BAYOU PRE DREDGE (11/07/2022)

GRADE (-12.5 MLLW)	11,037	CY
2:1 Side Slopes on Template	2,415	CY
Overdepth (1') -13.5 MLLW	1,691	CY
TOTAL PAY VOLUME	15,142	CY



New Exhibit 7: Amended Pre-Dredge
Surveys and Drawings (2 pages)



eTrac Inc.
601 S Eighth Street
LaPorte, TX 77571
Phone: (832) 798-1486
eTracInc.com

Vertex Energy Cedar Bayou Conditional Survey November 2022	
Contract #:	
Survey Date: 11/07/2022	Dwg Date: 02/23/2023
Drawn By: SBM	Checked By: RAR
Drawing Name: Vertex Energy_2023 Volumes_Cedar Bayou.dwg	
Scale: 1" = 20'	Sheet 1 of 2

Color Legend

Legend

Dredging Template

Barge

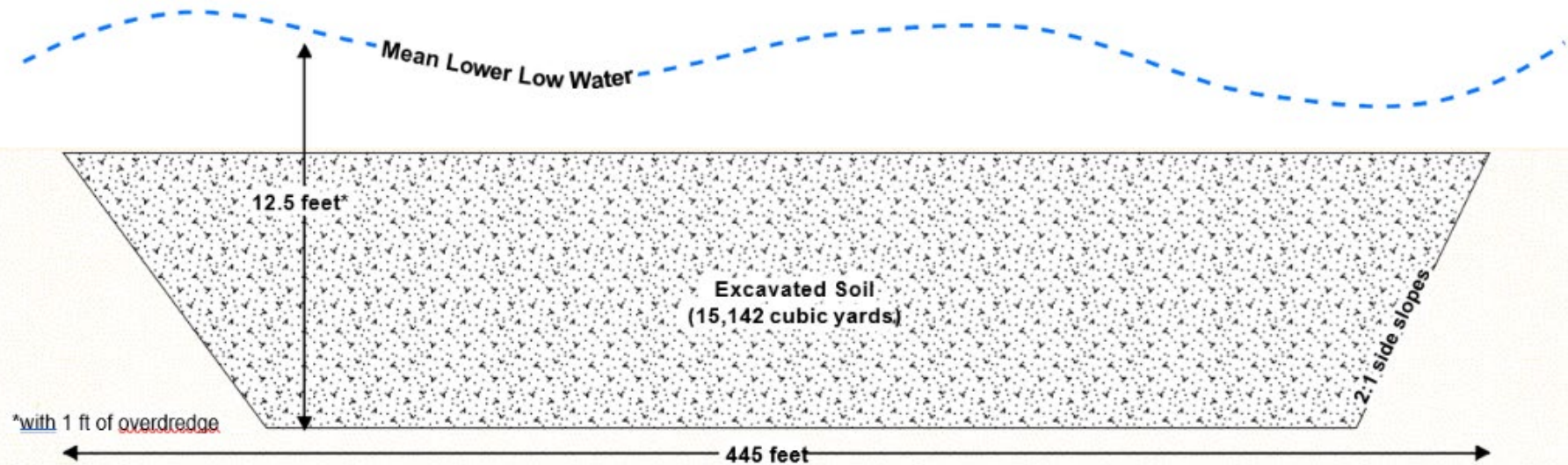
Approx. Location of mooring dolphins
(per google earth image Jan 2022)

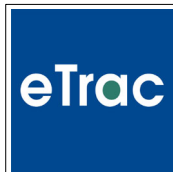
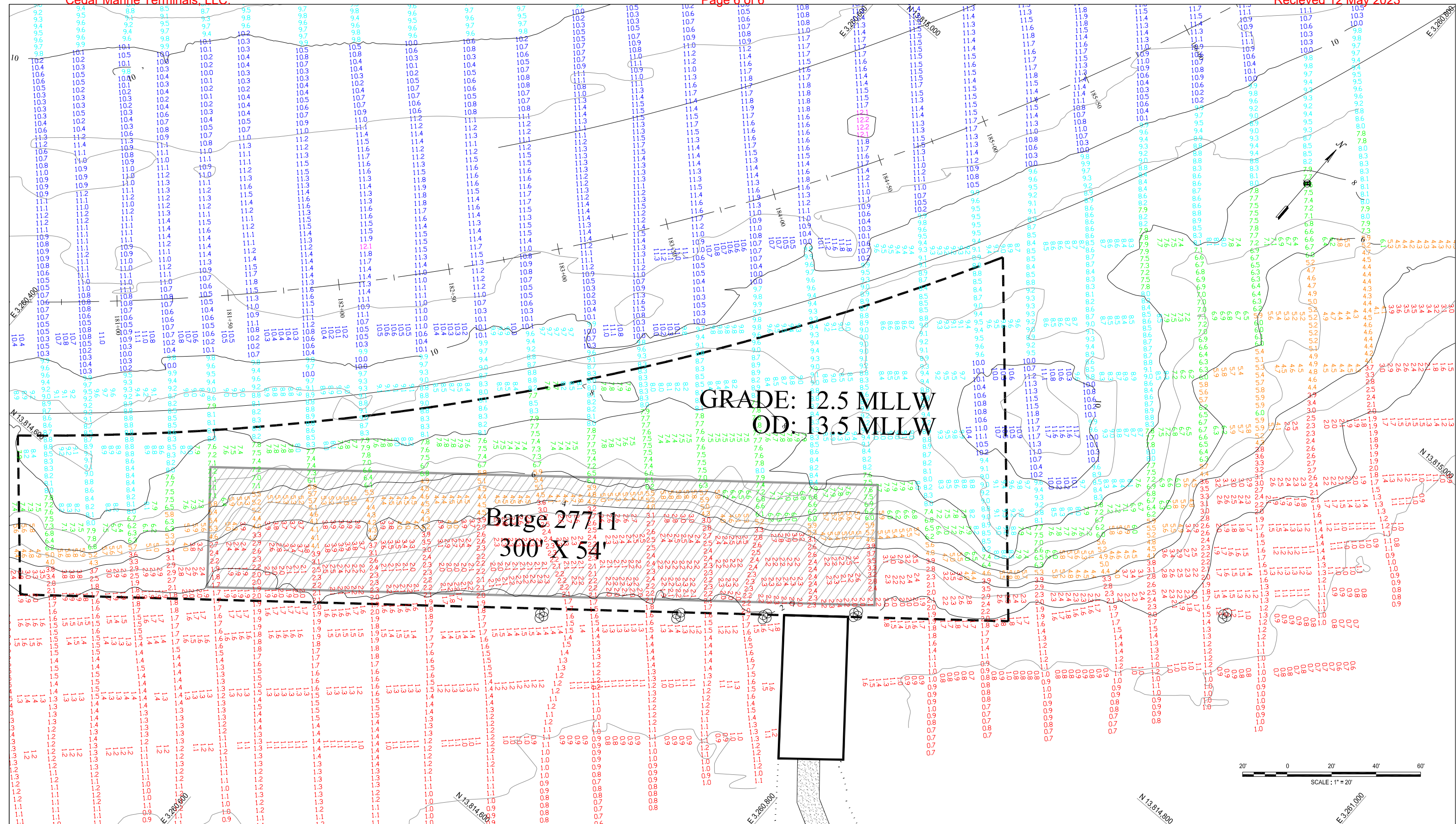
Approx. Shoreline
(per google earth Image Jan 2022)

EQUIPMENT		
Survey Vessel: "BoatRight" Trimble SPS881, R8 - RTK Rover		
Trimble SPS865 - RTK (HCL OFFICE)		
Odom CV100 Echo Sounder (200 Khz)		
Hypack - Data Collection Software		
Date	Revision	By
02/23/2023	Revised Template & Volumes	SBM

Projection: US State Plane, Texas South Central, 4204 NAD 1983
Vertical Datum: MLLW - (Mean Lower-Low Water)
Vertical Control: TSARP "160015" = 3.070 MLLW
Easting: 3,259,151.720
Northing: 13,820,032.400
Grid Units: US Feet

- Notes:
- Standard field calibration procedures were performed.
 - The information depicted in this chart represents the results of surveys executed during the period shown in the title block. This data can only be considered as indicating the general conditions existing at that time.
 - Dock, Piles and shoreline per google earth image Jan 2022.





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Vertex Energy Cedar Bayou
Conditional Survey November 2022
Contract #:
Survey Date: 11/07/2022 Dwg Date: 02/23/2023
Drawn By: SBM Checked By: RAR
Drawing Name: Vertex Energy_2023 Volumes_Cedar Bayou.dwg
Scale: 1" = 20' Sheet 2 of 2