

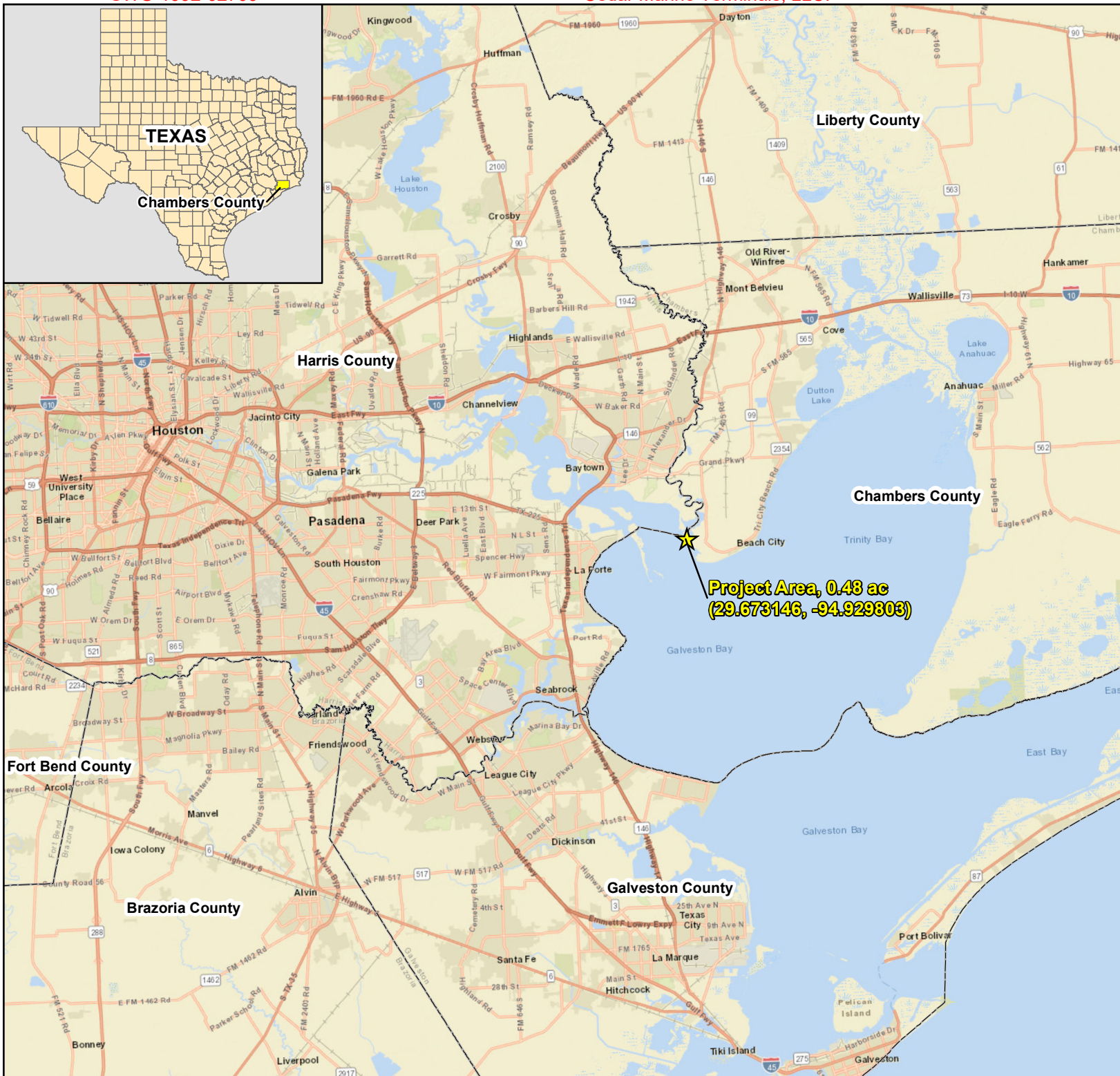
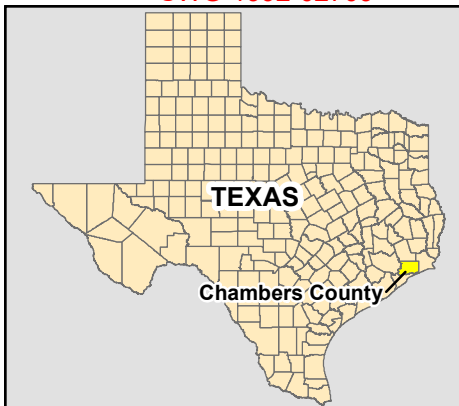


**HOLLOWAY**  
ENVIRONMENTAL + COMMUNICATIONS

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

**LEGEND**

- Project Area (0.48 ac)
- County Boundaries

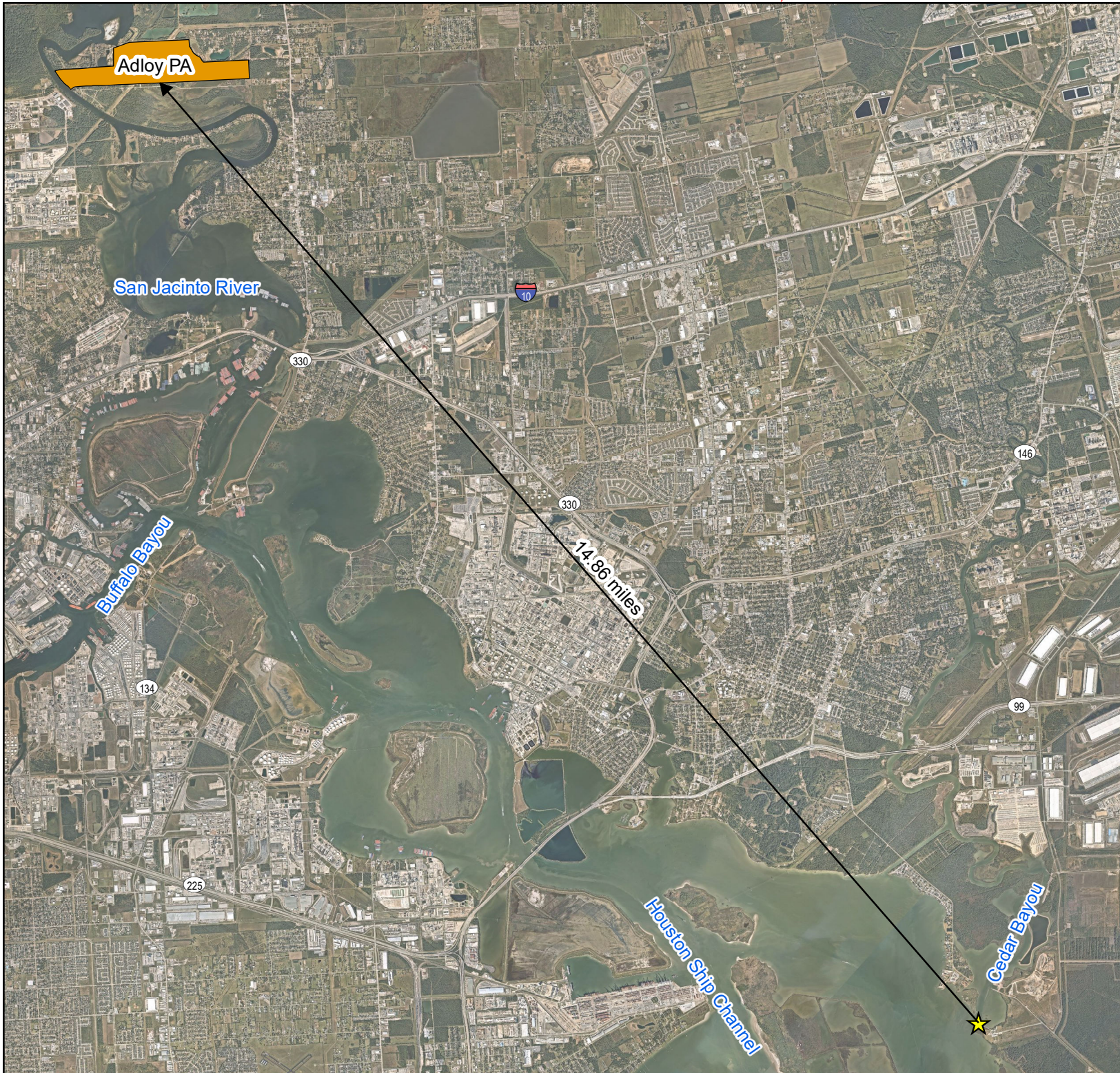


**Exhibit 1**

Vicinity Map





**NOTES**  
- Centroid Coordinates: 29.673146, -94.929803



**HOLLAWAY**  
ENVIRONMENTAL + COMMUNICATIONS

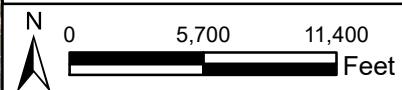
Cedar Marine Terminals  
Maintenance Dredging  
SWG-1992-02709  
Chambers County, Texas

**LEGEND**

-  Project Area (0.48 ac)
-  Adloy Placement Area

**Exhibit 3**

DMPA and Project Area  
Location Map









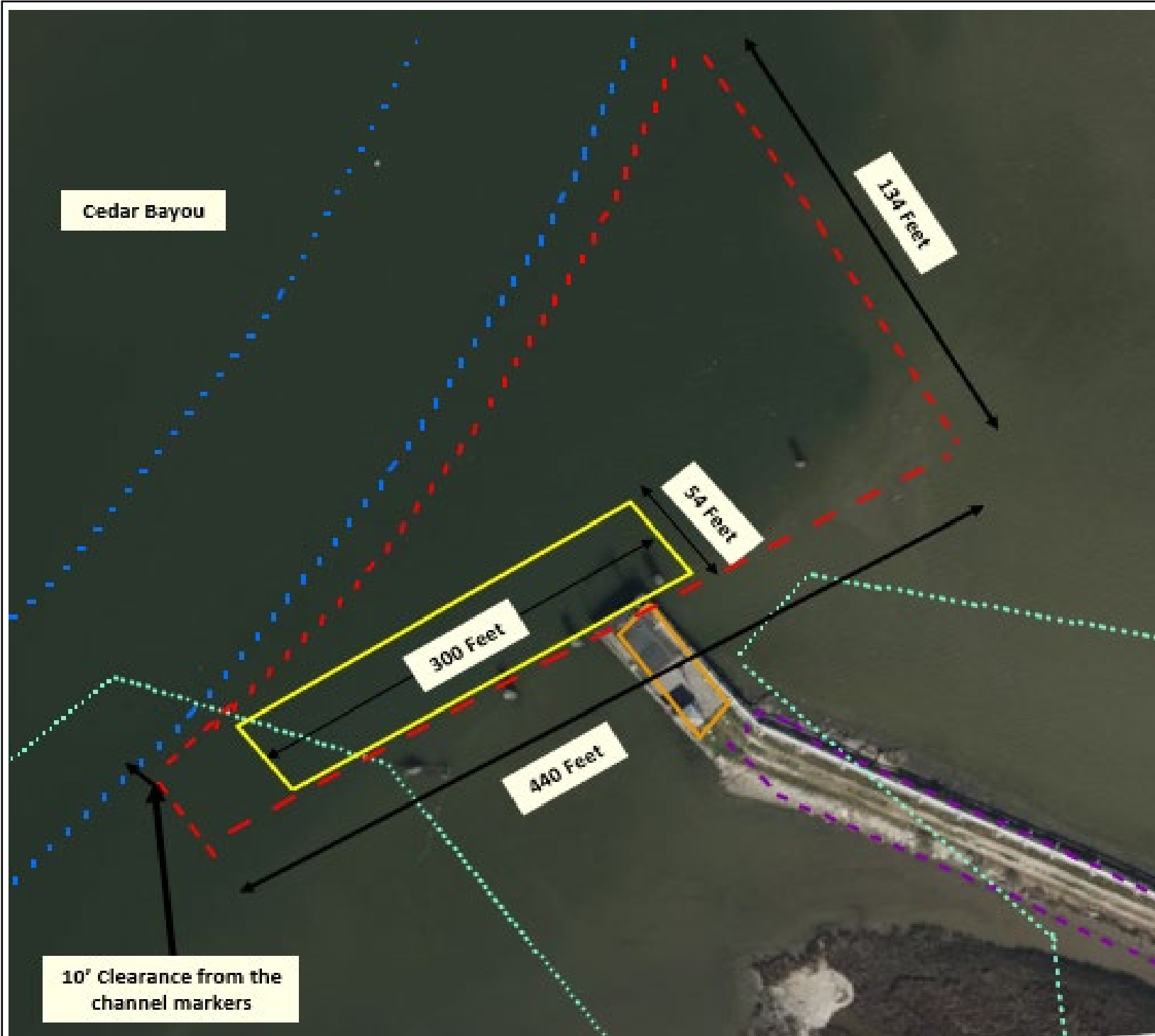
**NOTES**  
 - Project Area Centroid Coordinates:  
29.673169, -94.929770  
 - Placement Area Centroid Coordinates:  
29.841238, -95.085411  
 - NearMap Aerial Date: 10/19/2022

### New Exhibit 5:

Revised 2023 Aerial Map

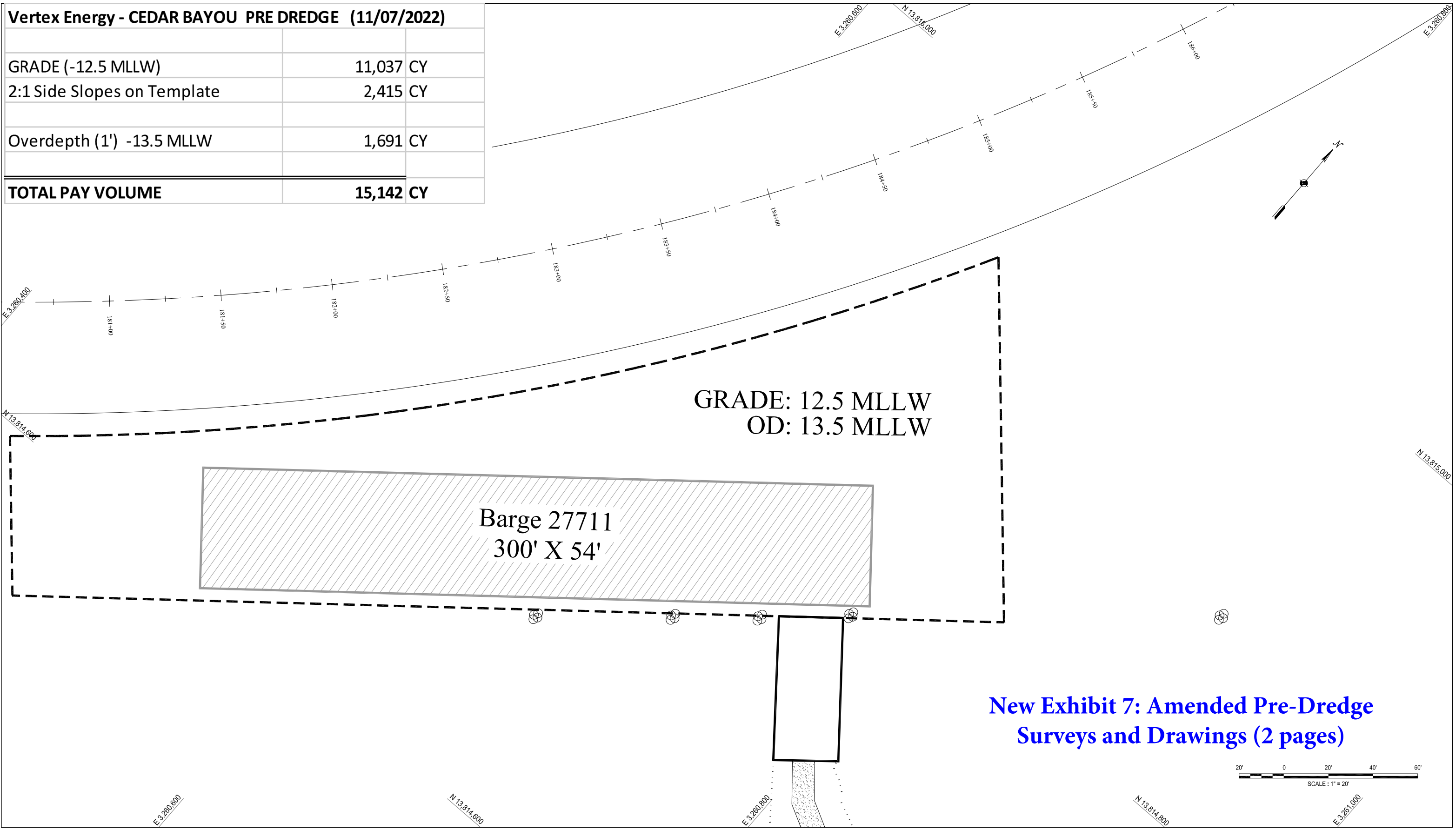
#### Legend:

-  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         |
| <b>TOTAL PAY VOLUME</b>     | <b>15,142 CY</b> |



**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<br>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         |

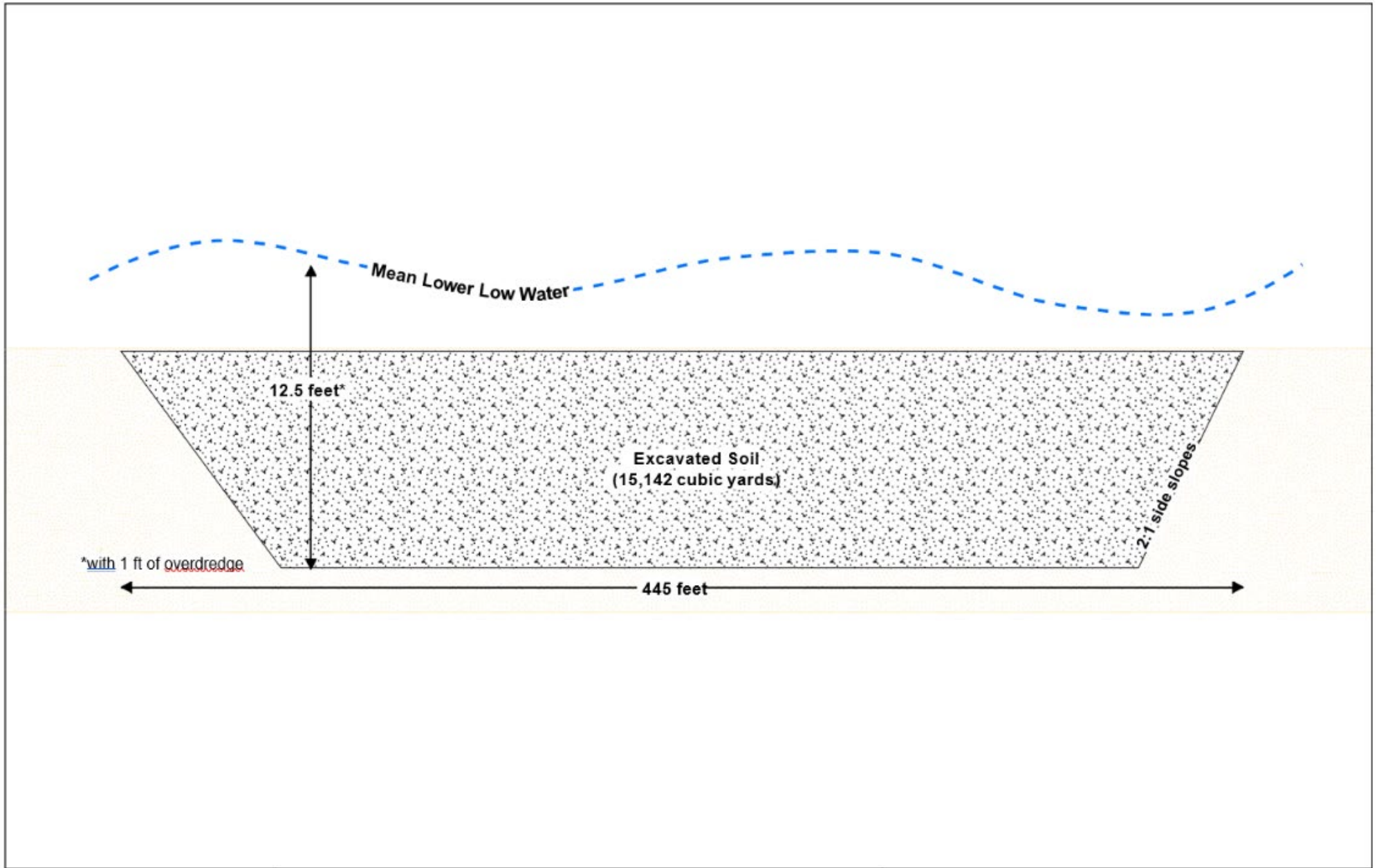
| Color Legend |   |
|--------------|---|
| ---          | Dredging Template   |
| ▨            | Barge   |
| ⊗            | Approx. Location of mooring dolphins<br>(per google earth image Jan 2022) |
|              | Approx. Shoreline<br>(per google earth image Jan 2022)                    |

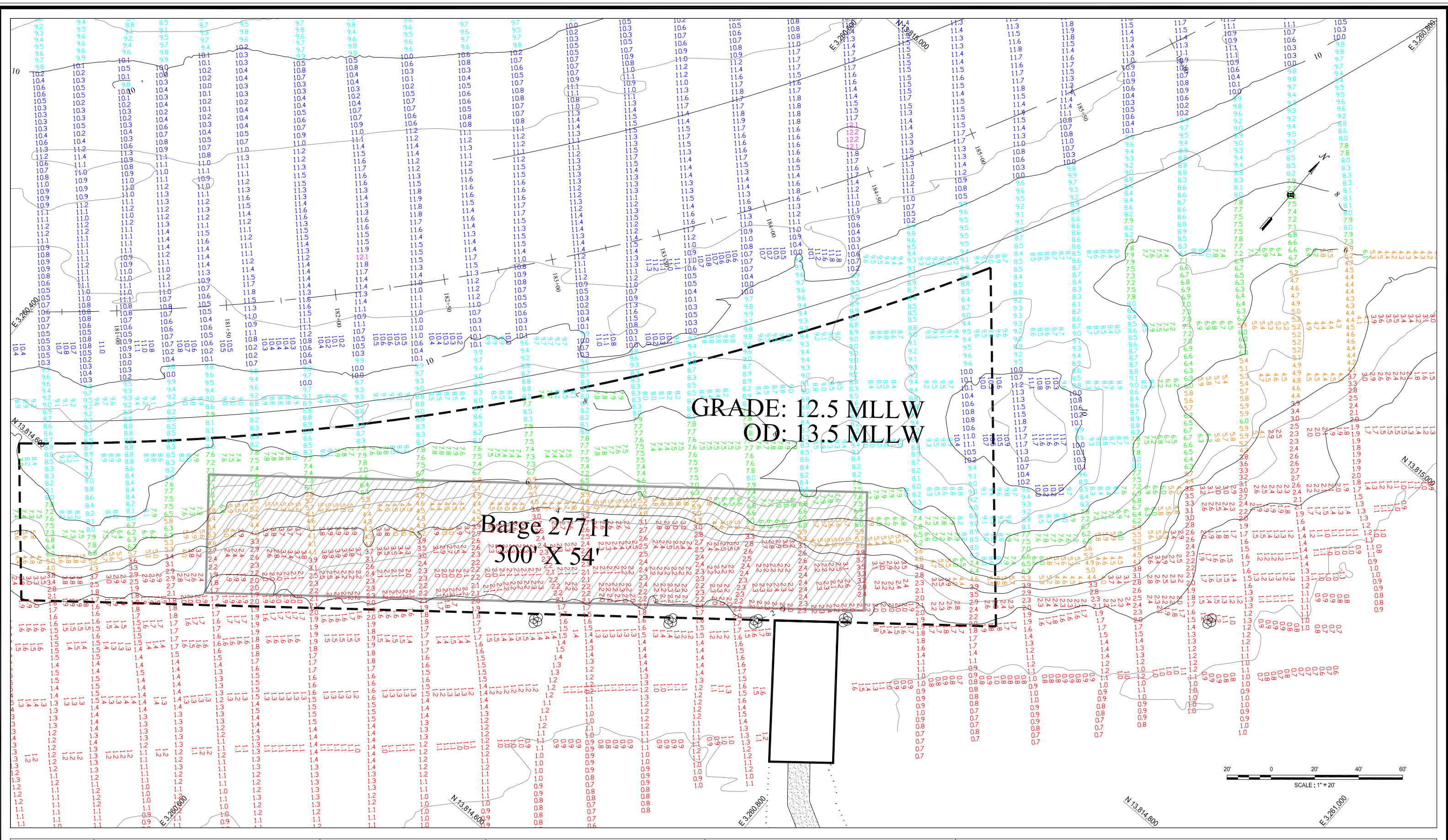
| EQUIPMENT                         |                                |     |
|-----------------------------------|--------------------------------|-----|
| Survey Vessel: "BoatRight"        | Trimble SPS881, R8 - RTK Rover |     |
| Trimble SPS865 - RTK (HCL OFFICE) |                                |     |
| 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.

## New Exhibit 6: Revised Proposed Dredging Cross Section





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 2 of 2

**Color Legend**

- Above 4' MLLW
- 4' to 6' MLLW
- 6' to 8' MLLW
- 8' to 10' MLLW
- 10' to 12' MLLW
- Below 12' MLLW

**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.