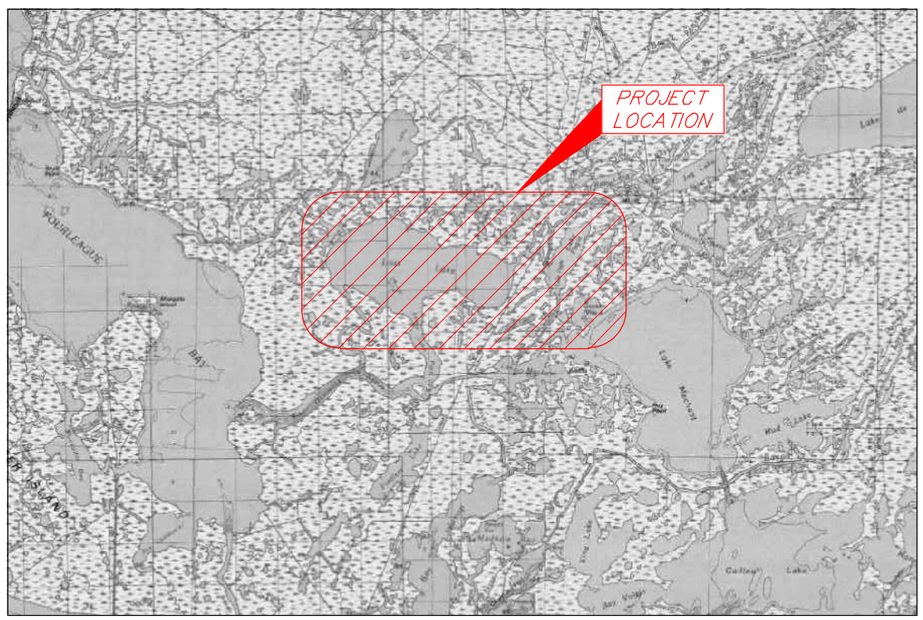
WEEKS MARINE, INC.

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION PROJECT (TE-72)

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 2D

TERREBONNE PARISH, LOUISIANA



VICINITY MAP (N.T.S.)

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3	MARSH CREATION AREA 2AD TRANSECTS PLAN VIEW
4	MARSH CREATION AREA 2AD CONTOUR PLAN VIEW

STATE OF LOUISIANA
KEITH J. ROBERTS
PLS No. 4780
REGISTERED PROFESSIONAL LAND SURVEYOR
01/27/22

THIS MAP REPRESENTS AN ACTUAL FIELD SURVEY MADE UNDER DIRECT SUPERVISION OF THE UNDERSIGNED.

KEITH J. ROBERTS, PLS # 4780
HYDROTERRA TECHNOLOGIES, LLC
LAND SURVEYING FIRM NO. 614
212 JACOBS RUN
SCOTT, LOUISIANA 70583
(337) 706-8219

MARSH CREATION AREA 2D

REVISED BY:	DATE:

PLAN SCALE
SCALE: NTS

NTS NTS NTS NTS

HYDROTERRA

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 2D

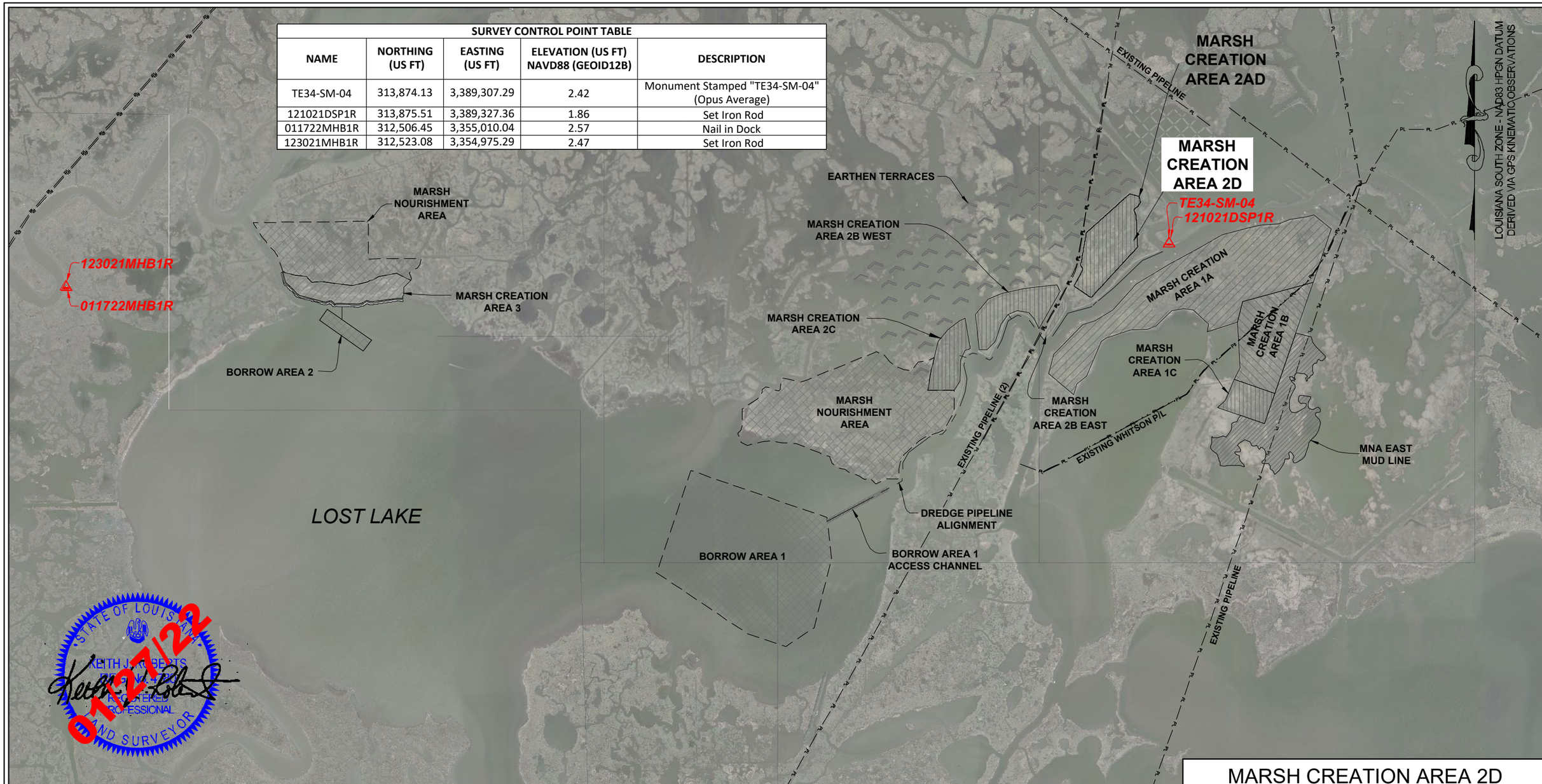
TITLE PAGE

TERREBONNE PARISH, LA

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 01/27/2022 | JOB# 2211085 | FILE: MCA2D Marsh Creation Orthometric Height Survey (01-27-22).dwg | SHEET: 1 OF 4

SURVEY CONTROL POINT TABLE				
NAME	NORTHING (US FT)	EASTING (US FT)	ELEVATION (US FT) NAVD88 (GEOID12B)	DESCRIPTION
TE34-SM-04	313,874.13	3,389,307.29	2.42	Monument Stamped "TE34-SM-04" (Opus Average)
121021DSP1R	313,875.51	3,389,327.36	1.86	Set Iron Rod
011722MHB1R	312,506.45	3,355,010.04	2.57	Nail in Dock
123021MHB1R	312,523.08	3,354,975.29	2.47	Set Iron Rod



STATE OF LOUISIANA
KEITH J. ROBERTS
PROFESSIONAL LAND SURVEYOR
01/27/22

NOTES:
1. ALL HORIZONTAL COORDINATES ARE BASED ON LOUISIANA SOUTH ZONE - NAD83 HPGN DATUM, US SURVEY FOOT AS DERIVED FROM PROJECT CONTROL MONUMENT "TE34-SM-04."
2. ELEVATIONS ARE BASED ON NAVD 88 US SURVEY FEET (GEOID12B) AS DERIVED FROM PROJECT CONTROL MONUMENT "TE34-SM-04."
3. SURVEY DATA ACQUISITION PERFORMED USING RTK POLING METHOD.
4. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
5. TOPOGRAPHIC ORTHOMETRIC SURVEY DATA ACQUISITION WAS PERFORMED BY HYDROTERRA TECHNOLOGIES, LLC ON 12-10-21, 12-23-21, 12-30-21, AND 01-03-22.

LEGEND

- PL — EXISTING PIPELINE (PER CONTRACT DRAWING)
- EXISTING PIPELINE (PROBED)
- BORROW AREA
- MARSH NOURISHMENT AREA
- MARSH CREATION AREA
- EARTHEN TERRACE
- SURVEY CONTROL POINT

REVISED BY:	DATE:

HORIZONTAL SCALE
1" = 3000'
3000' 0' 1500' 3000'

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MARSH CREATION AREA 2D

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MARSH CREATION AREA 2D

OVERALL PLAN VIEW

TERREBONNE PARISH, LA

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

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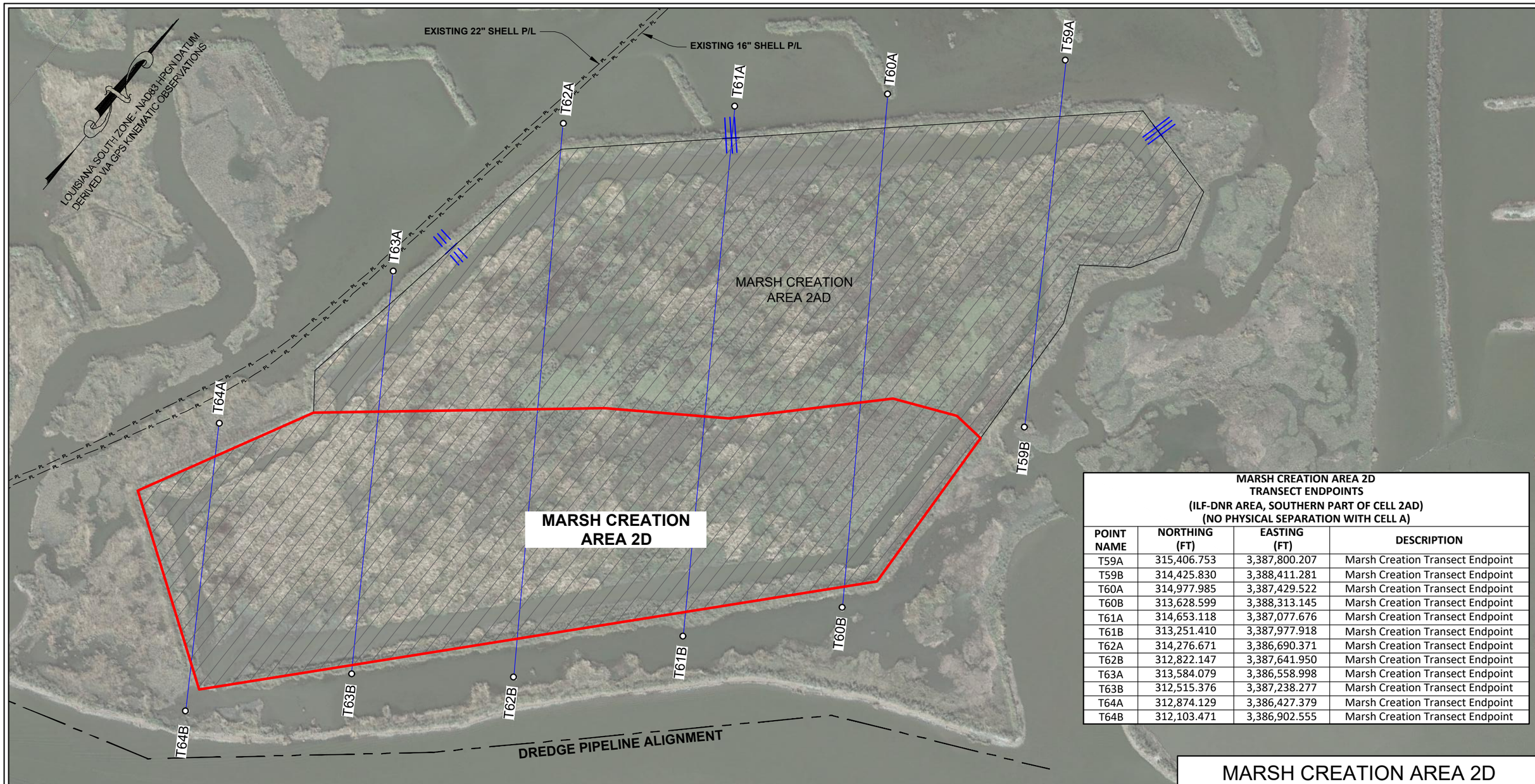

MARSH CREATION AREA 2D
TRANSECT ENDPOINTS
(ILF-DNR AREA, SOUTHERN PART OF CELL 2AD)
(NO PHYSICAL SEPARATION WITH CELL A)

POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION
T59A	315,406.753	3,387,800.207	Marsh Creation Transect Endpoint
T59B	314,425.830	3,388,411.281	Marsh Creation Transect Endpoint
T60A	314,977.985	3,387,429.522	Marsh Creation Transect Endpoint
T60B	313,628.599	3,388,313.145	Marsh Creation Transect Endpoint
T61A	314,653.118	3,387,077.676	Marsh Creation Transect Endpoint
T61B	313,251.410	3,387,977.918	Marsh Creation Transect Endpoint
T62A	314,276.671	3,386,690.371	Marsh Creation Transect Endpoint
T62B	312,822.147	3,387,641.950	Marsh Creation Transect Endpoint
T63A	313,584.079	3,386,558.998	Marsh Creation Transect Endpoint
T63B	312,515.376	3,387,238.277	Marsh Creation Transect Endpoint
T64A	312,874.129	3,386,427.379	Marsh Creation Transect Endpoint
T64B	312,103.471	3,386,902.555	Marsh Creation Transect Endpoint

STATE OF LOUISIANA
KEITH J. ROBERTS
REGISTERED PROFESSIONAL LAND SURVEYOR
01/27/22

LEGEND

CONTAINMENT DIKE ALIGNMENT
MARSH CREATION SURVEY TRANSECT

REVISED BY:	DATE:

HORIZONTAL SCALE
1" = 300'
300' 0' 150' 300'

DATE: 01/27/2022 JOB# 2211085

HYDROTERRA

MARSH CREATION AREA 2D

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 2D
TRANSECTS PLAN VIEW
TERREBONNE PARISH, LA

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583

FILE: MCA2D Marsh Creation Orthometric Height Survey (01-27-22).dwg

SHEET: 3 OF 4

MARSH CREATION AREA 2D

STATE OF LOUISIANA
KEITH J. ROBERTS
REGISTERED PROFESSIONAL LAND SURVEYOR
01/27/22

CONTOUR LINE LEGEND

- CONTOUR LINE
- CONTOUR ELEVATION (-2')
- CONTOUR ELEVATION (-1')
- CONTOUR ELEVATION (0')
- CONTOUR ELEVATION (1')
- CONTOUR ELEVATION (2')
- CONTOUR ELEVATION (3')
- CONTOUR ELEVATION (4')
- CONTOUR ELEVATION (5')

LEGEND

- CONTAINMENT DIKE ALIGNMENT
- MARSH CREATION SURVEY TRANSECT

REVISED BY:	DATE:

HORIZONTAL SCALE
1" = 300'
300' 0' 150' 300'

DATE: 01/27/2022 | JOB# 2211085

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LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 2D

CONTOUR PLAN VIEW
TERREBONNE PARISH, LA

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SHEET: 4 OF 4