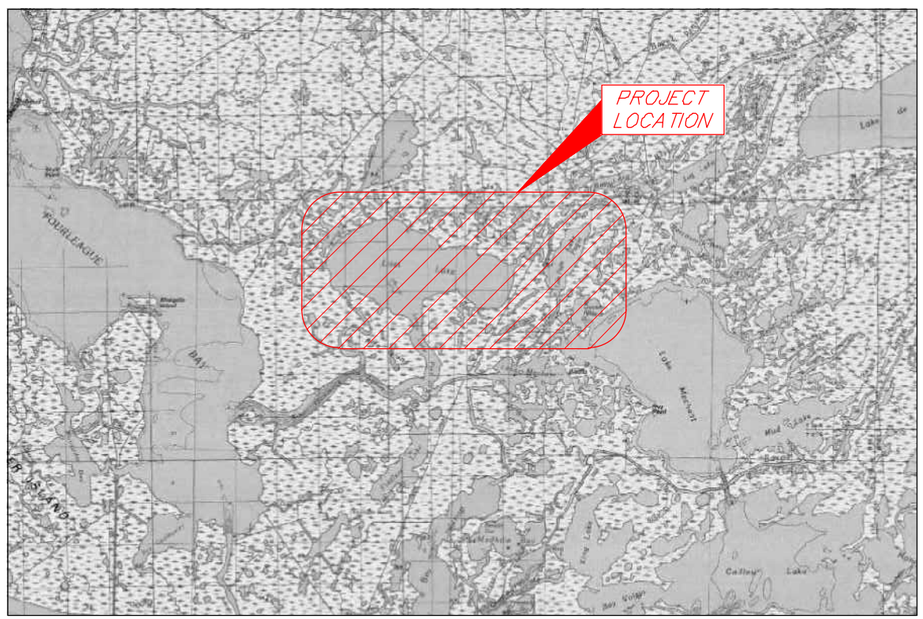
WEEKS MARINE, INC.

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 1B

TERREBONNE PARISH, LOUISIANA



VICINITY MAP (N.T.S.)

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STATE OF LOUISIANA
KEITH J. ROBERTS
REG. 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 1B

REVISED BY:	DATE:

PLAN SCALE
SCALE: NTS

NTS NTS NTS NTS

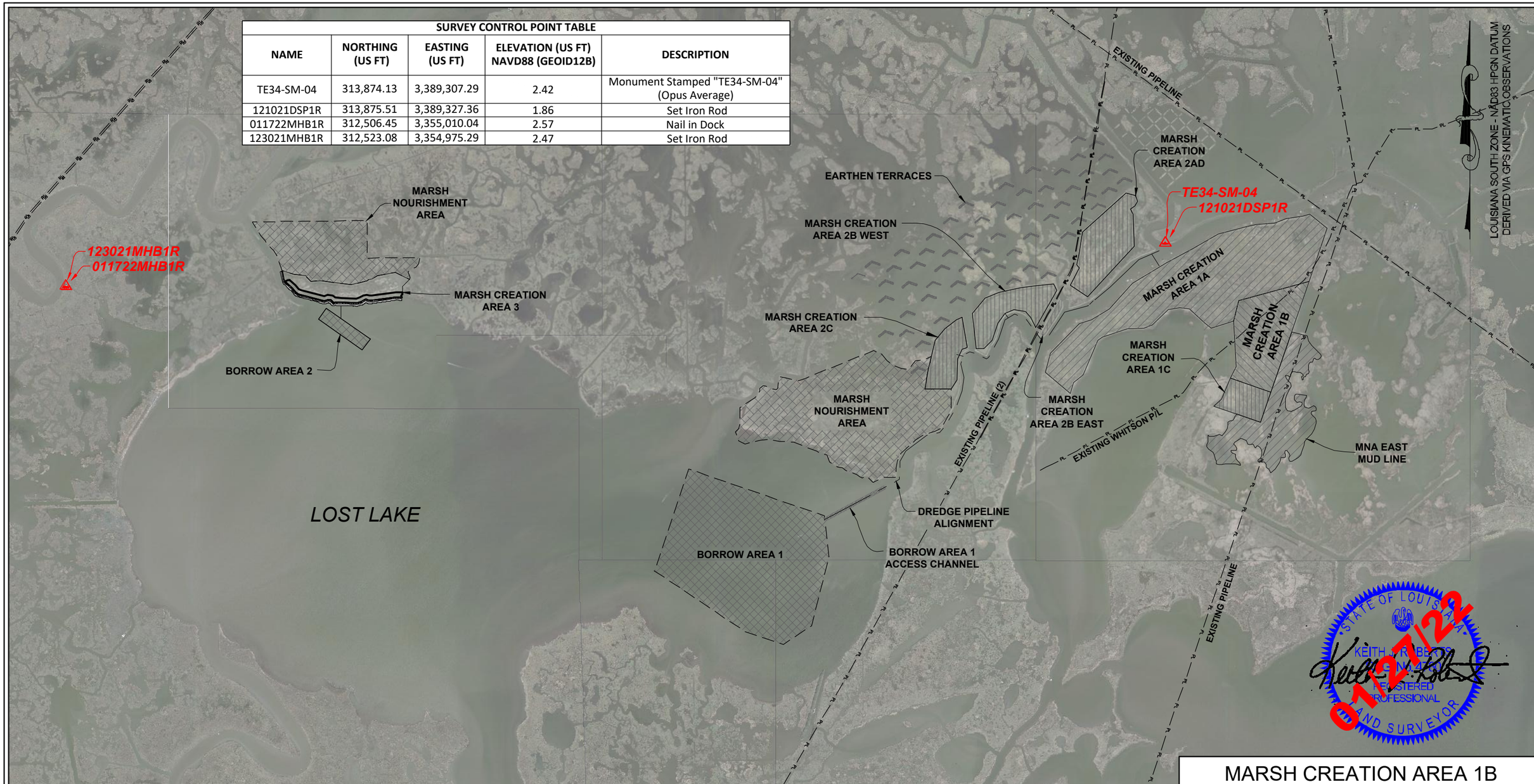
HYDROTERRA

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)
TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 1B
TITLE PAGE
TERREBONNE PARISH, LA

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

DATE: 01/27/2022 | JOB# 2211085 | FILE: MCA1B 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



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 12-21-21, 12-22-21, 01-13-22 AND 01-14-22.

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'

DATE: 01/27/2022 | JOB# 2211085

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SHEET: 2 OF 4

MARSH CREATION AREA 1B

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

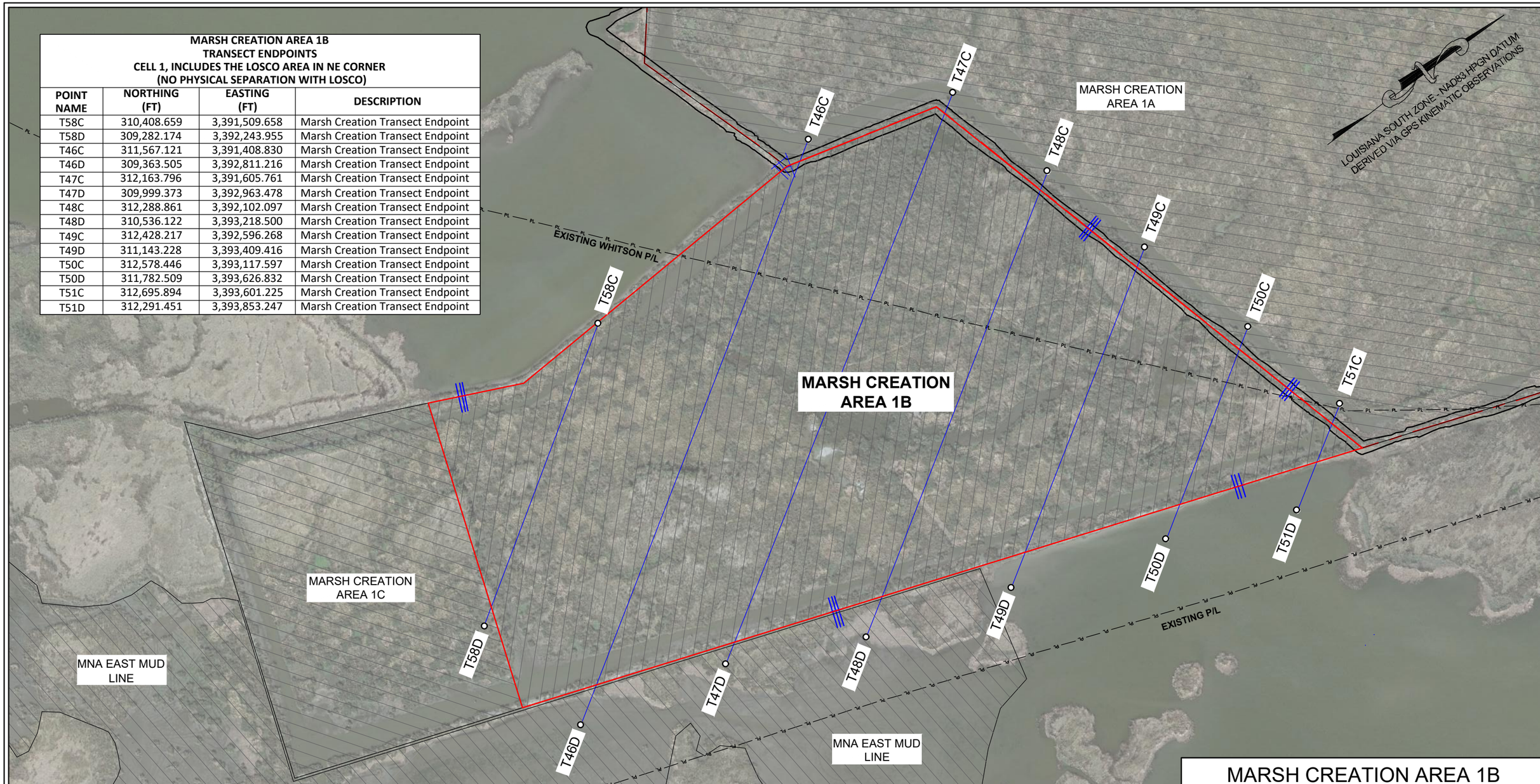
MARSH CREATION AREA 1B

OVERALL PLAN VIEW

TERREBONNE PARISH, LA

MARSH CREATION AREA 1B
TRANSECT ENDPOINTS
CELL 1, INCLUDES THE LOSCO AREA IN NE CORNER
(NO PHYSICAL SEPARATION WITH LOSCO)

POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION
T58C	310,408.659	3,391,509.658	Marsh Creation Transect Endpoint
T58D	309,282.174	3,392,243.955	Marsh Creation Transect Endpoint
T46C	311,567.121	3,391,408.830	Marsh Creation Transect Endpoint
T46D	309,363.505	3,392,811.216	Marsh Creation Transect Endpoint
T47C	312,163.796	3,391,605.761	Marsh Creation Transect Endpoint
T47D	309,999.373	3,392,963.478	Marsh Creation Transect Endpoint
T48C	312,288.861	3,392,102.097	Marsh Creation Transect Endpoint
T48D	310,536.122	3,393,218.500	Marsh Creation Transect Endpoint
T49C	312,428.217	3,392,596.268	Marsh Creation Transect Endpoint
T49D	311,143.228	3,393,409.416	Marsh Creation Transect Endpoint
T50C	312,578.446	3,393,117.597	Marsh Creation Transect Endpoint
T50D	311,782.509	3,393,626.832	Marsh Creation Transect Endpoint
T51C	312,695.894	3,393,601.225	Marsh Creation Transect Endpoint
T51D	312,291.451	3,393,853.247	Marsh Creation Transect Endpoint



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

LEGEND

CONTAINMENT DIKE ALIGNMENT
SURVEY CROSS-SECTION

REVISED BY:	DATE:

HORIZONTAL SCALE
1" = 400'
400' 0' 200' 400'

DATE: 01/27/2022 | JOB# 2211085

HYDROTERRA

MARSH CREATION AREA 1B

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

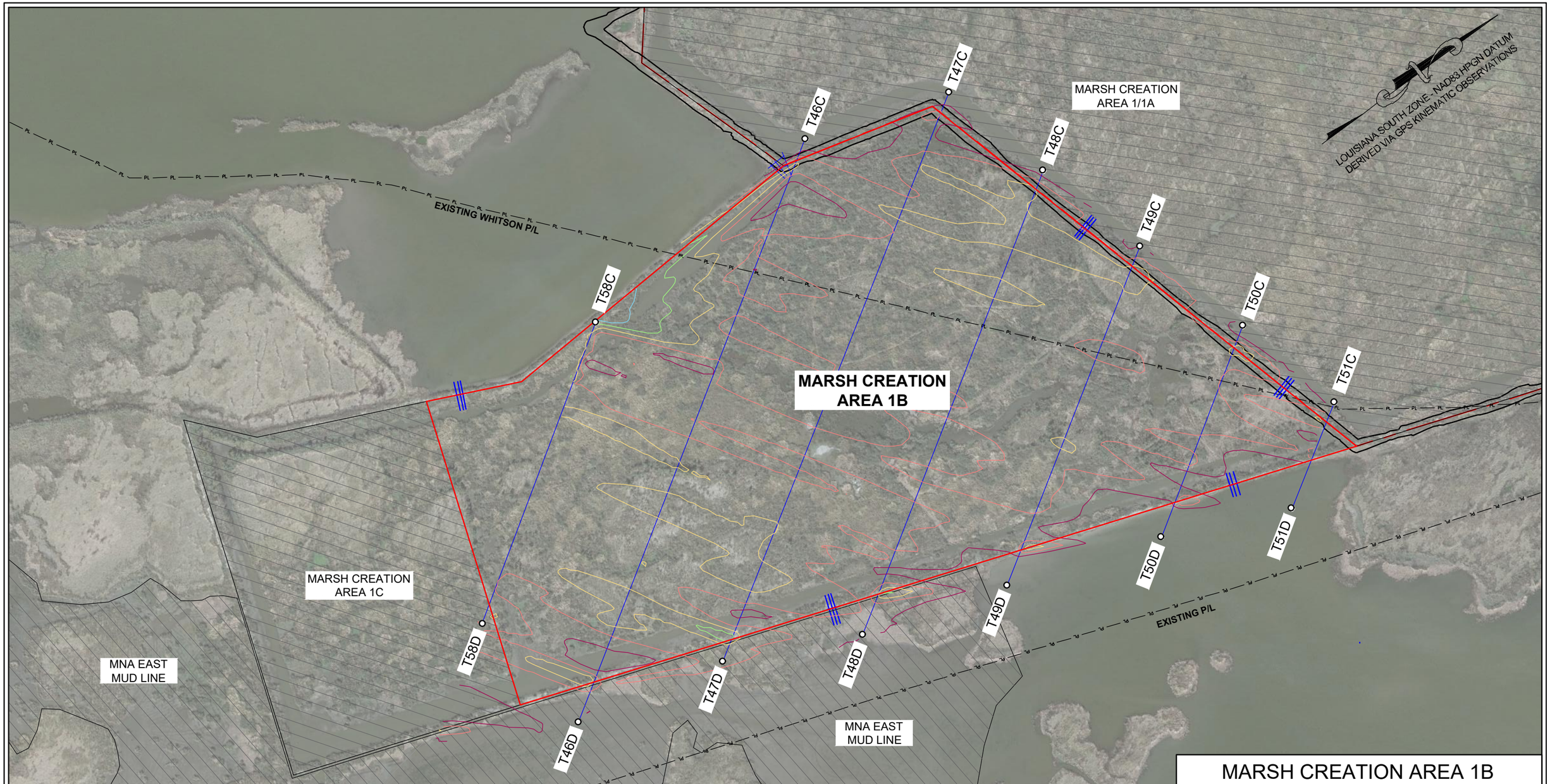
TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 1B

TRANSECTS PLAN VIEW
TERREBONNE PARISH, LA

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

FILE: MCA1B Marsh Creation Orthometric Height Survey (01-27-22).dwg

SHEET: 3 OF 4



MARSH CREATION AREA 1B

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MARSH CREATION AREA 1B

CONTOUR PLAN VIEW

TERREBONNE PARISH, LA

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
- SURVEY CROSS-SECTION

REVISED BY:	DATE:

HORIZONTAL SCALE
1" = 400'
400' 0' 200' 400'

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