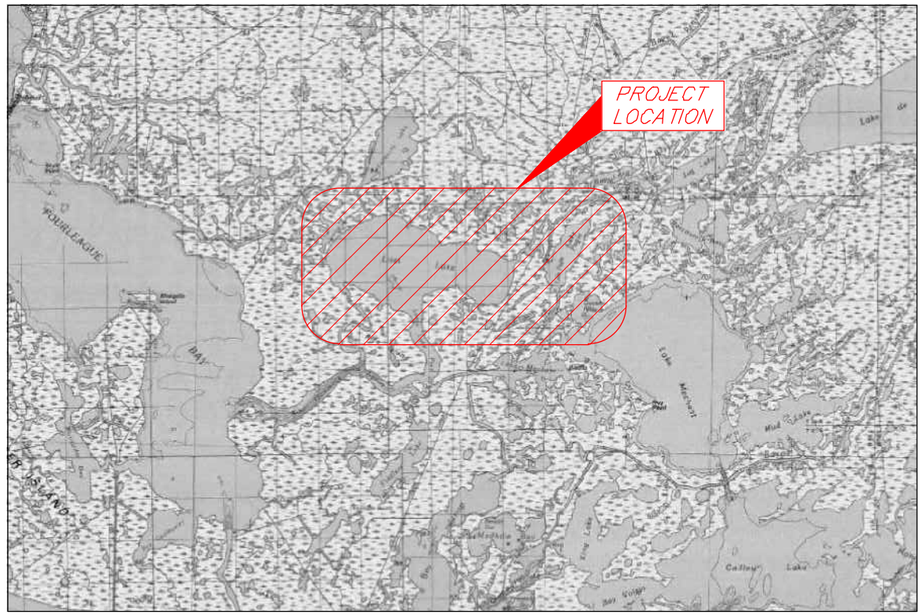
WEEKS MARINE, INC.

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH NOURISHMENT AREA WEST - MNA WEST

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

REVISED BY:	DATE:

PLAN SCALE
SCALE: NTS

NTS NTS NTS NTS

HYDROTERRA

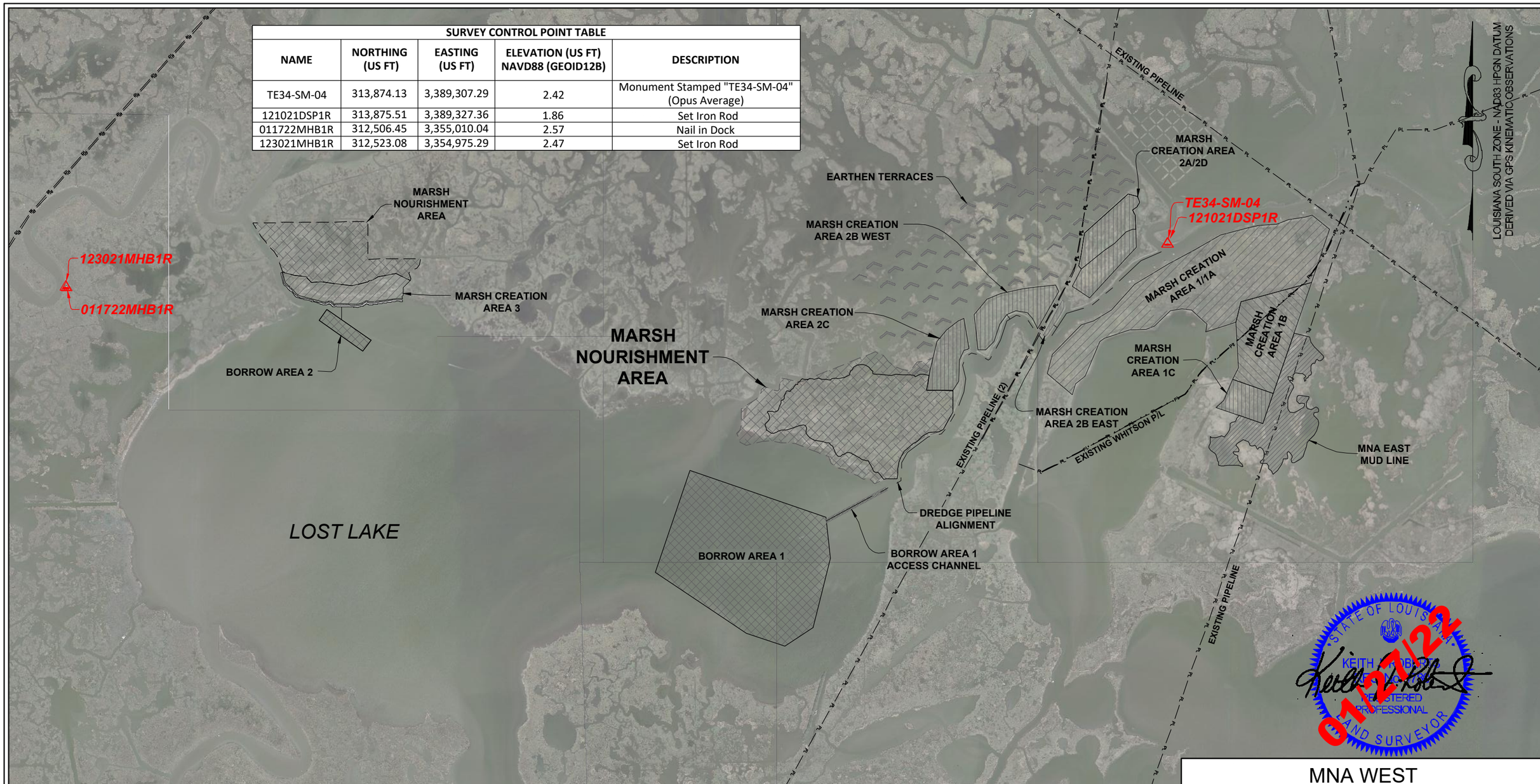
MNA WEST

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

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

DATE: 01/27/2022 | JOB# 2211085 | FILE: MNA_WEST 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 01-06-22, 01-11-22, 01-12-22 AND 01-17-22.

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'

HYDROTERRA

MNA WEST

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MNA WEST

OVERALL PLAN VIEW

TERREBONNE PARISH, LA

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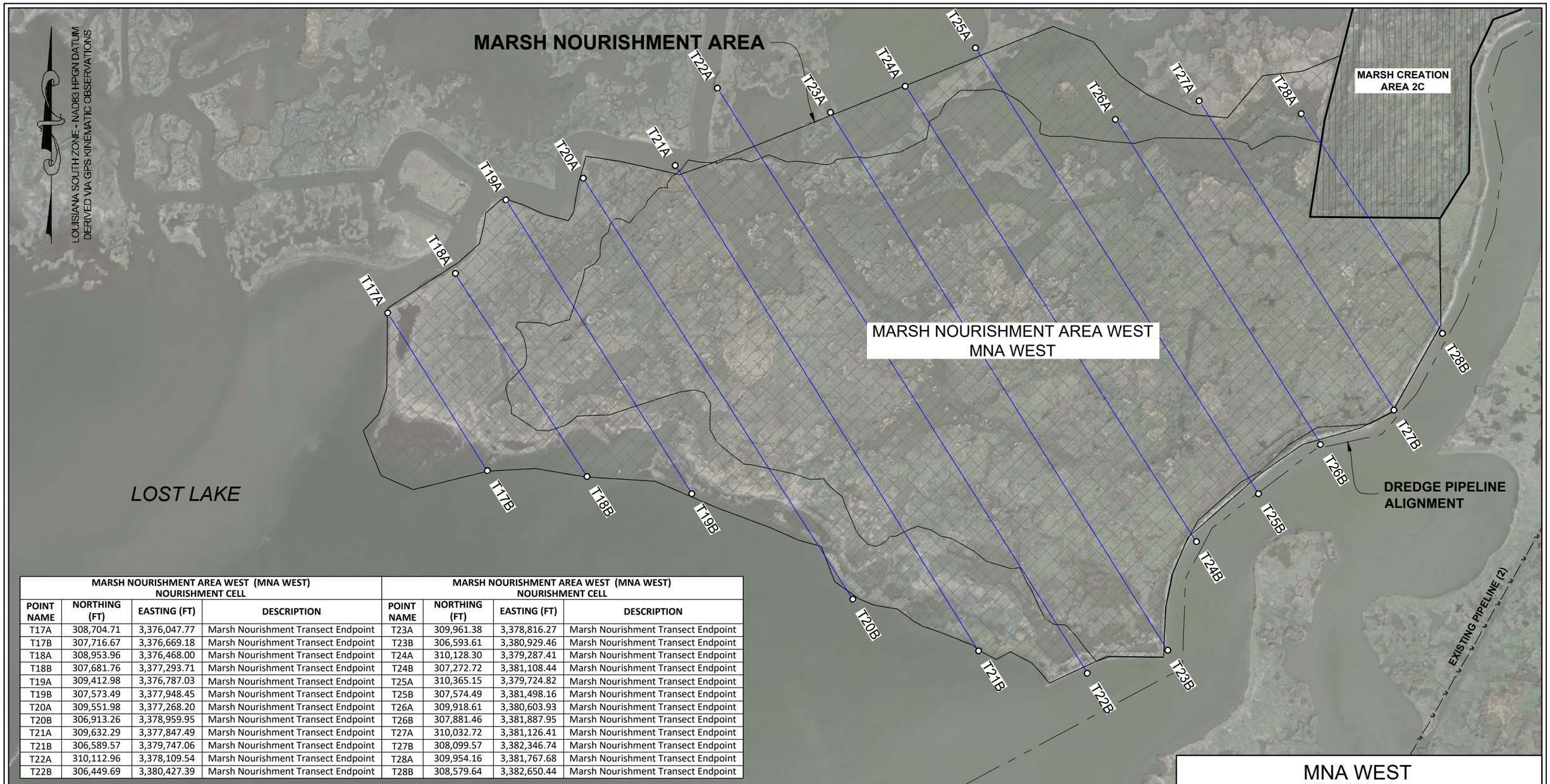

MARSH NOURISHMENT AREA WEST (MNA WEST) NOURISHMENT CELL				MARSH NOURISHMENT AREA WEST (MNA WEST) NOURISHMENT CELL			
POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION	POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION
T17A	308,704.71	3,376,047.77	Marsh Nourishment Transect Endpoint	T23A	309,961.38	3,378,816.27	Marsh Nourishment Transect Endpoint
T17B	307,716.67	3,376,669.18	Marsh Nourishment Transect Endpoint	T23B	306,593.61	3,380,929.46	Marsh Nourishment Transect Endpoint
T18A	308,953.96	3,376,468.00	Marsh Nourishment Transect Endpoint	T24A	310,128.30	3,379,287.41	Marsh Nourishment Transect Endpoint
T18B	307,681.76	3,377,293.71	Marsh Nourishment Transect Endpoint	T24B	307,272.72	3,381,108.44	Marsh Nourishment Transect Endpoint
T19A	309,412.98	3,376,787.03	Marsh Nourishment Transect Endpoint	T25A	310,365.15	3,379,724.82	Marsh Nourishment Transect Endpoint
T19B	307,573.49	3,377,948.45	Marsh Nourishment Transect Endpoint	T25B	307,574.49	3,381,498.16	Marsh Nourishment Transect Endpoint
T20A	309,551.98	3,377,268.20	Marsh Nourishment Transect Endpoint	T26A	309,918.61	3,380,603.93	Marsh Nourishment Transect Endpoint
T20B	306,913.26	3,378,959.95	Marsh Nourishment Transect Endpoint	T26B	307,881.46	3,381,887.95	Marsh Nourishment Transect Endpoint
T21A	309,632.29	3,377,847.49	Marsh Nourishment Transect Endpoint	T27A	310,032.72	3,381,126.41	Marsh Nourishment Transect Endpoint
T21B	306,589.57	3,379,747.06	Marsh Nourishment Transect Endpoint	T27B	308,099.57	3,382,346.74	Marsh Nourishment Transect Endpoint
T22A	310,112.96	3,378,109.54	Marsh Nourishment Transect Endpoint	T28A	309,954.16	3,381,767.68	Marsh Nourishment Transect Endpoint
T22B	306,449.69	3,380,427.39	Marsh Nourishment Transect Endpoint	T28B	308,579.64	3,382,650.44	Marsh Nourishment Transect Endpoint

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

LEGEND

CONTAINMENT DIKE ALIGNMENT

MARSH CREATION SURVEY TRANSECT

REVISED BY: DATE:

HORIZONTAL SCALE
1" = 600'
600' 0' 300' 600'

HYDROTERRA

MNA WEST

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MNA WEST

TRANSECTS PLAN VIEW

TERREBONNE PARISH, LA

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

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MNA WEST

STATE OF LOUISIANA
KEITH J. ROBERTS
PLS No. 4
REGISTERED PROFESSIONAL LAND SURVEYOR
01/27/22

CONTOUR LINE LEGEND	
0'	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" = 600'
600' 0' 300' 600'

DATE: 01/27/2022 | JOB# 2211085

HYDROTERRA

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MNA WEST

CONTOUR PLAN VIEW

TERREBONNE PARISH, LA

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SHEET: 4 OF 4