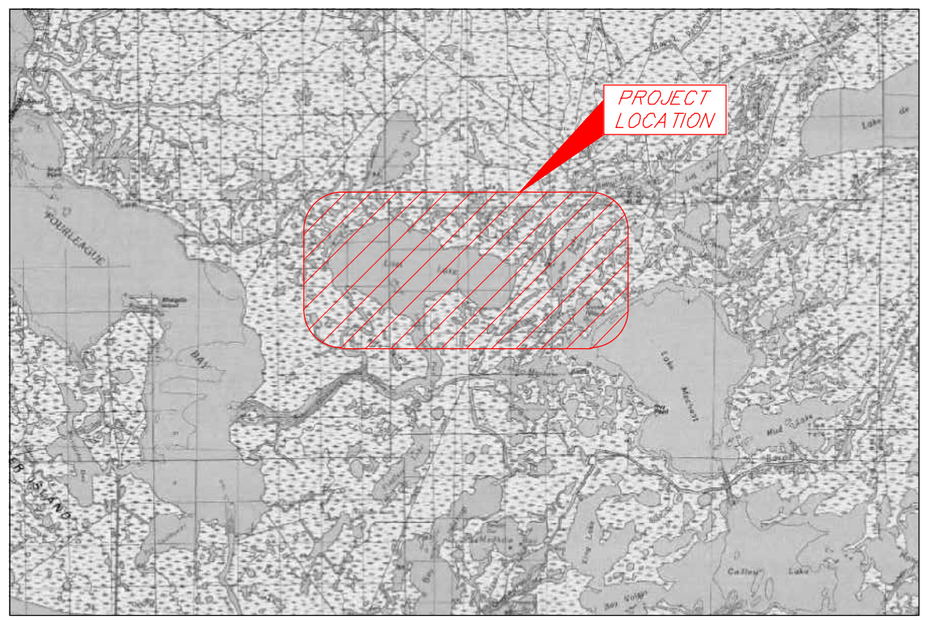
STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 3

TERREBONNE PARISH, LOUISIANA



VICINITY MAP (N.T.S.)

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3	MARSH CREATION AREA 3 TRANSECTS PLAN VIEW
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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

REVISED BY:	DATE:

PLAN SCALE
SCALE: NTS

NTS NTS NTS NTS

HYDROTERRA

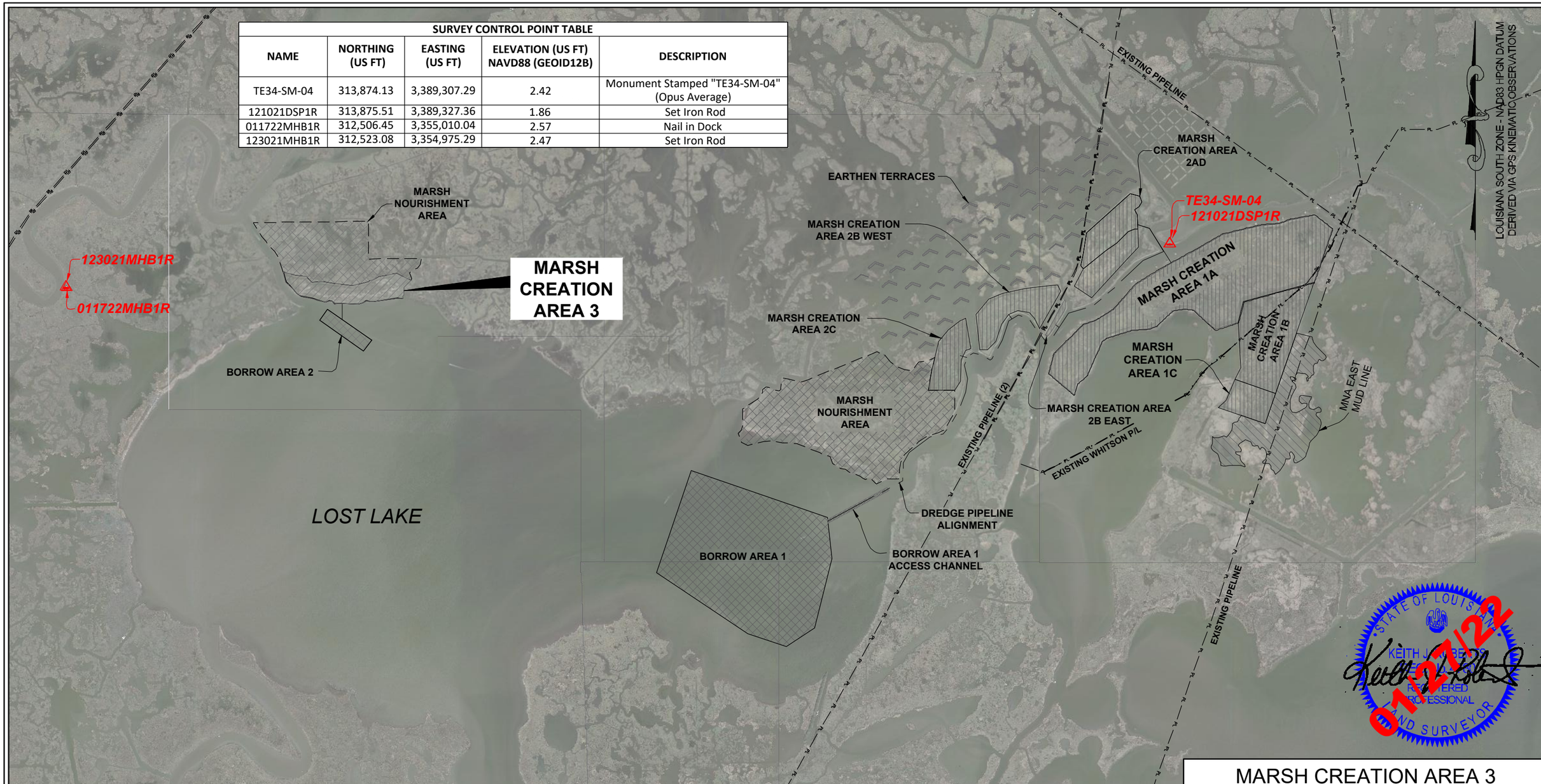
MARSH CREATION AREA 3

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)
TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 3
TITLE PAGE
TERREBONNE PARISH, LA

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

DATE: 01/27/2022 | JOB# 2211085 | FILE: MCA3 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 01-17-22 AND 01-18-22.

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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MARSH CREATION AREA 3

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MARSH CREATION AREA 3

OVERALL PLAN VIEW

TERREBONNE PARISH, LA

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

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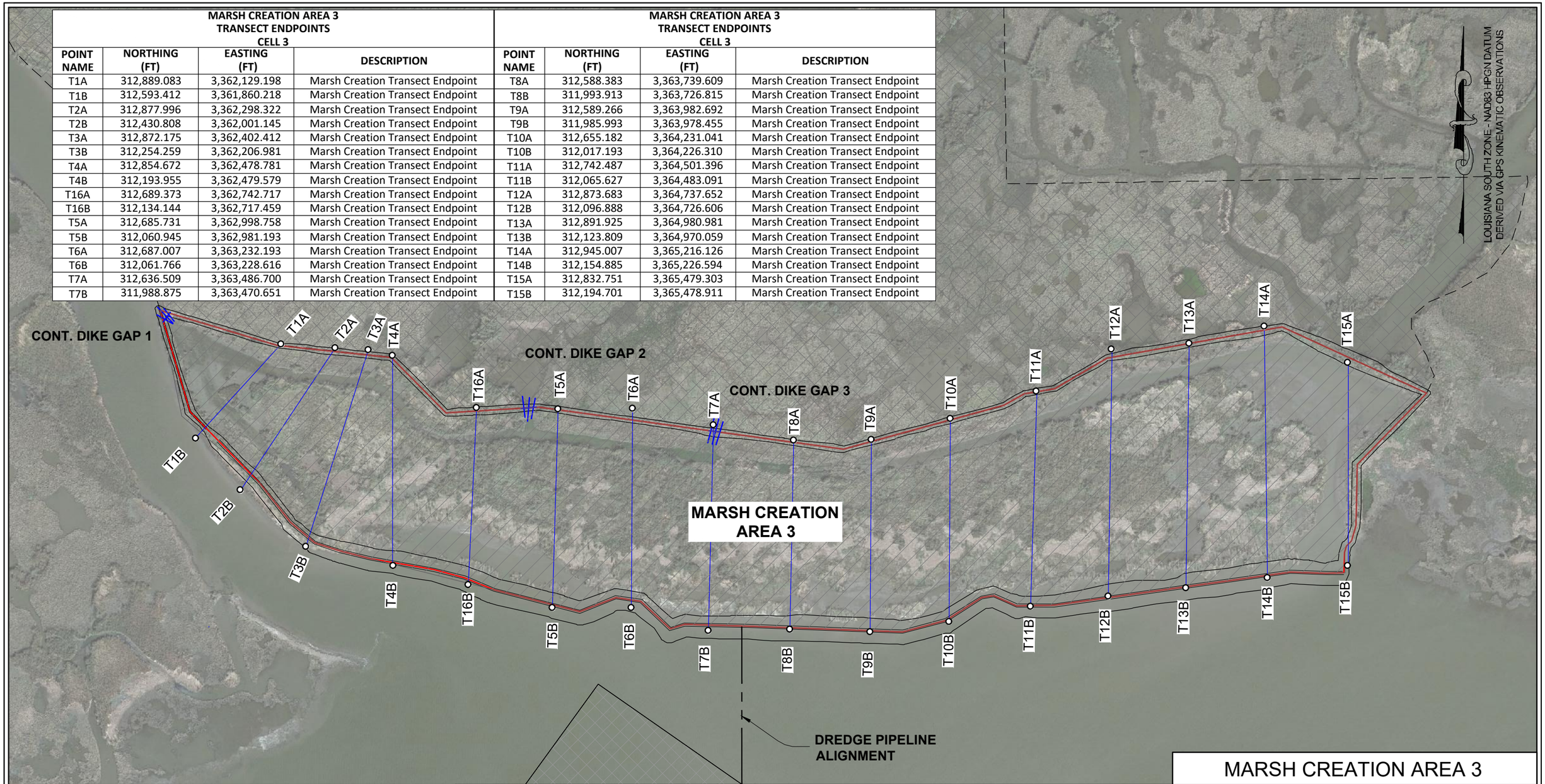
SHEET: 2 OF 4

MARSH CREATION AREA 3 TRANSECT ENDPOINTS CELL 3			
POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION
T1A	312,889.083	3,362,129.198	Marsh Creation Transect Endpoint
T1B	312,593.412	3,361,860.218	Marsh Creation Transect Endpoint
T2A	312,877.996	3,362,298.322	Marsh Creation Transect Endpoint
T2B	312,430.808	3,362,001.145	Marsh Creation Transect Endpoint
T3A	312,872.175	3,362,402.412	Marsh Creation Transect Endpoint
T3B	312,254.259	3,362,206.981	Marsh Creation Transect Endpoint
T4A	312,854.672	3,362,478.781	Marsh Creation Transect Endpoint
T4B	312,193.955	3,362,479.579	Marsh Creation Transect Endpoint
T16A	312,689.373	3,362,742.717	Marsh Creation Transect Endpoint
T16B	312,134.144	3,362,717.459	Marsh Creation Transect Endpoint
T5A	312,685.731	3,362,998.758	Marsh Creation Transect Endpoint
T5B	312,060.945	3,362,981.193	Marsh Creation Transect Endpoint
T6A	312,687.007	3,363,232.193	Marsh Creation Transect Endpoint
T6B	312,061.766	3,363,228.616	Marsh Creation Transect Endpoint
T7A	312,636.509	3,363,486.700	Marsh Creation Transect Endpoint
T7B	311,988.875	3,363,470.651	Marsh Creation Transect Endpoint

MARSH CREATION AREA 3 TRANSECT ENDPOINTS CELL 3			
POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION
T8A	312,588.383	3,363,739.609	Marsh Creation Transect Endpoint
T8B	311,993.913	3,363,726.815	Marsh Creation Transect Endpoint
T9A	312,589.266	3,363,982.692	Marsh Creation Transect Endpoint
T9B	311,985.993	3,363,978.455	Marsh Creation Transect Endpoint
T10A	312,655.182	3,364,231.041	Marsh Creation Transect Endpoint
T10B	312,017.193	3,364,226.310	Marsh Creation Transect Endpoint
T11A	312,742.487	3,364,501.396	Marsh Creation Transect Endpoint
T11B	312,065.627	3,364,483.091	Marsh Creation Transect Endpoint
T12A	312,873.683	3,364,737.652	Marsh Creation Transect Endpoint
T12B	312,096.888	3,364,726.606	Marsh Creation Transect Endpoint
T13A	312,891.925	3,364,980.981	Marsh Creation Transect Endpoint
T13B	312,123.809	3,364,970.059	Marsh Creation Transect Endpoint
T14A	312,945.007	3,365,216.126	Marsh Creation Transect Endpoint
T14B	312,154.885	3,365,226.594	Marsh Creation Transect Endpoint
T15A	312,832.751	3,365,479.303	Marsh Creation Transect Endpoint
T15B	312,194.701	3,365,478.911	Marsh Creation Transect Endpoint



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

LEGEND

CONTAINMENT DIKE ALIGNMENT

MARSH CREATION SURVEY TRANSECT

REVISED BY:	DATE:

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

HYDROTERRA

MARSH CREATION AREA 3

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MARSH CREATION AREA 3

TRANSECTS PLAN VIEW

TERREBONNE PARISH, LA

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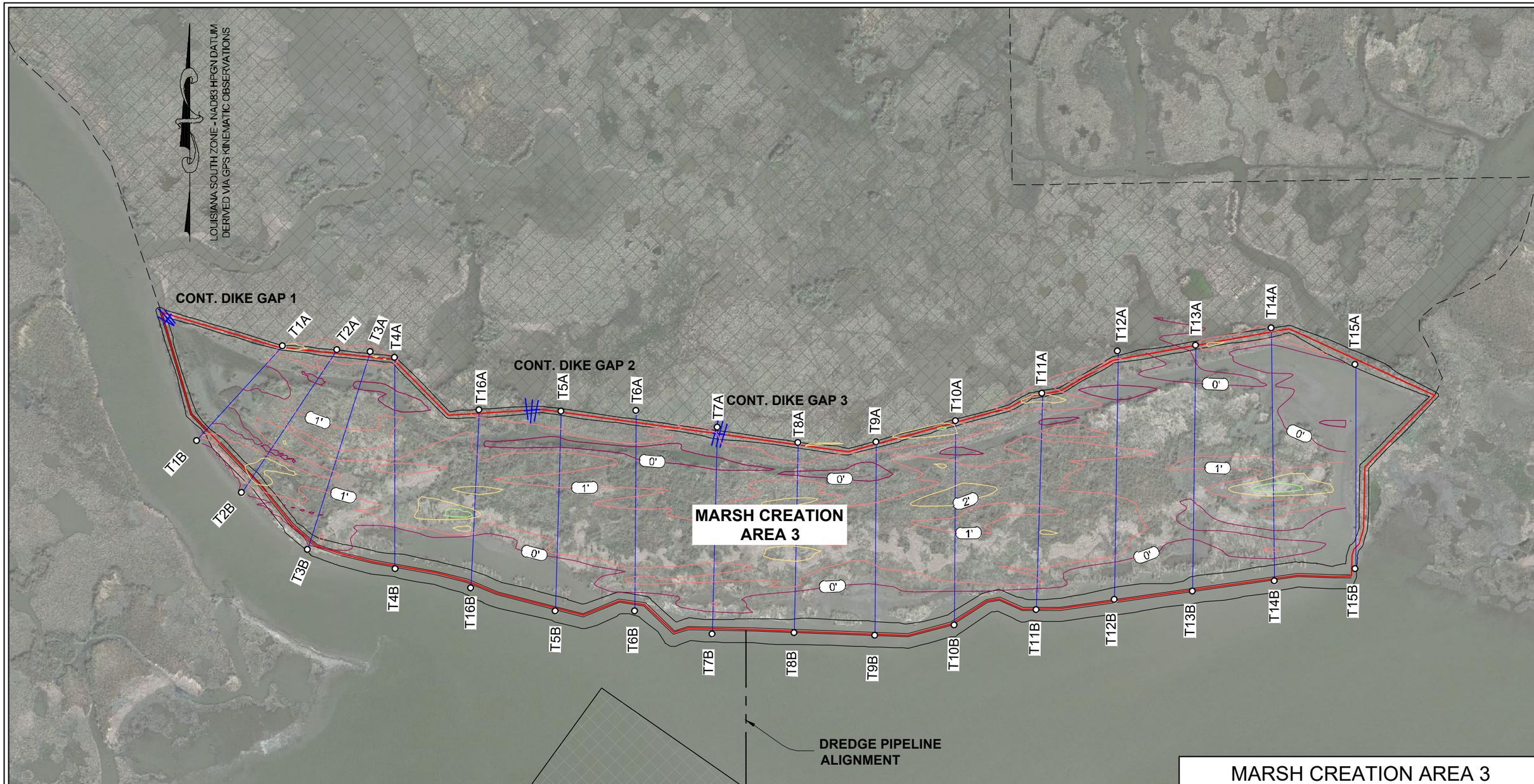

STATE OF LOUISIANA
KEITH J. ROBERTS
PROFESSIONAL LAND SURVEYOR
01/27/22

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" = 300'
300' 0' 150' 300'

DATE: 01/27/2022 | JOB# 2211085

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

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MARSH CREATION AREA 3

CONTOUR PLAN VIEW
TERREBONNE PARISH, LA

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FILE: MCA3 Marsh Creation Orthometric Height Survey (01-27-22).dwg

SHEET: 4 OF 4