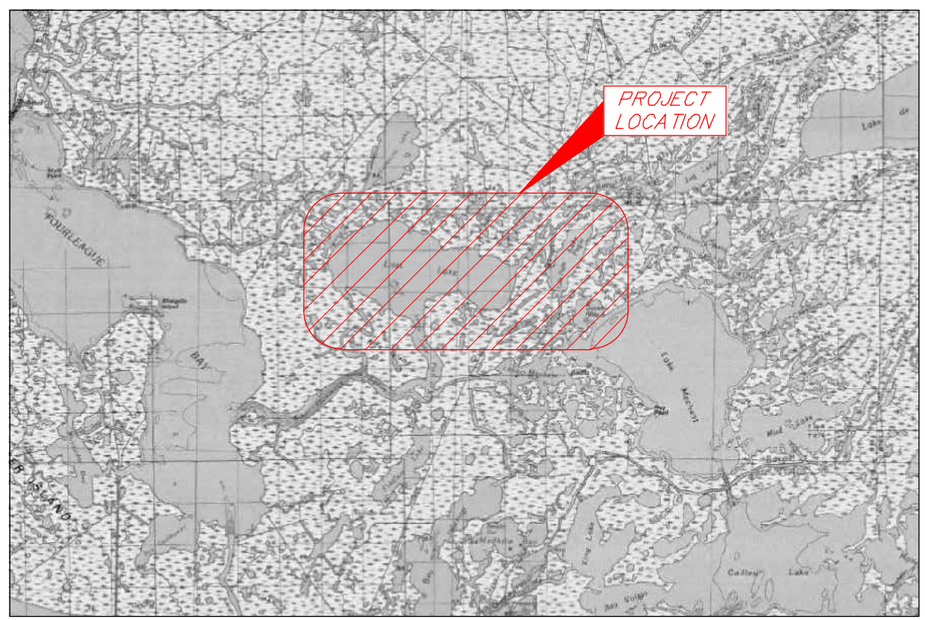
STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 1A

TERREBONNE PARISH, LOUISIANA



VICINITY MAP (N.T.S.)

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2	OVERALL PLAN VIEW
3	MARSH CREATION AREA 1A TRANSECTS PLAN VIEW
4	MARSH CREATION AREA 1A CONTOUR PLAN VIEW

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

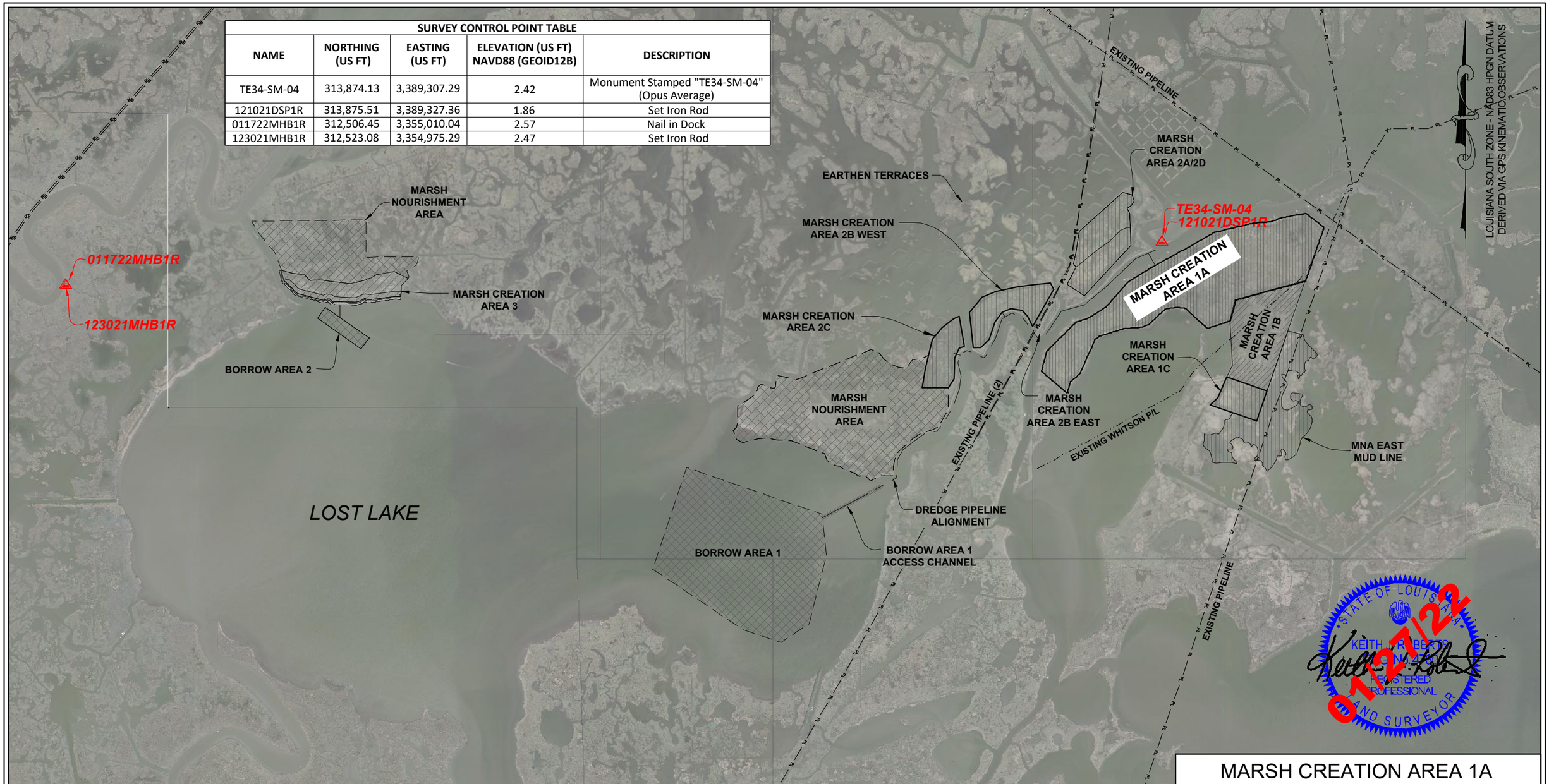
MARSH CREATION AREA 1A

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

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

DATE: 01/27/2022 | JOB# 2211085 | FILE: MCA1A 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 12-13-21, 12-14-21, 12-15-21, 12-21-21, 12-22-21, 12-23-21, 12-29-21, 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'

HYDROTERRA

MARSH CREATION AREA 1A

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MARSH CREATION AREA 1A

OVERALL PLAN VIEW

TERREBONNE PARISH, LA

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

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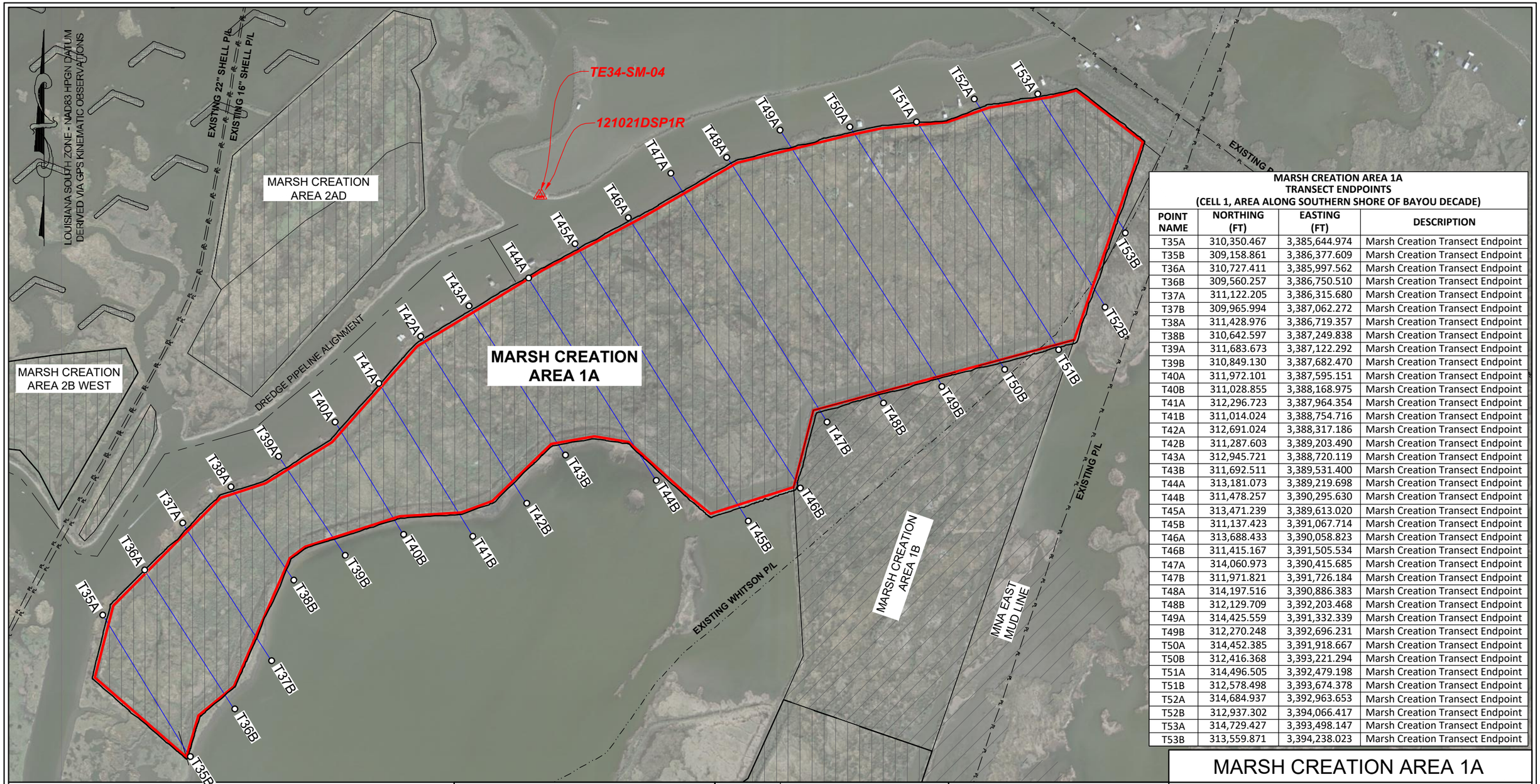


MARSH CREATION AREA 1A
TRANSECT ENDPOINTS
(CELL 1, AREA ALONG SOUTHERN SHORE OF BAYOU DECADE)

POINT NAME	NORTHING (FT)	EASTING (FT)	DESCRIPTION
T35A	310,350.467	3,385,644.974	Marsh Creation Transect Endpoint
T35B	309,158.861	3,386,377.609	Marsh Creation Transect Endpoint
T36A	310,727.411	3,385,997.562	Marsh Creation Transect Endpoint
T36B	309,560.257	3,386,750.510	Marsh Creation Transect Endpoint
T37A	311,122.205	3,386,315.680	Marsh Creation Transect Endpoint
T37B	309,965.994	3,387,062.272	Marsh Creation Transect Endpoint
T38A	311,428.976	3,386,719.357	Marsh Creation Transect Endpoint
T38B	310,642.597	3,387,249.838	Marsh Creation Transect Endpoint
T39A	311,683.673	3,387,122.292	Marsh Creation Transect Endpoint
T39B	310,849.130	3,387,682.470	Marsh Creation Transect Endpoint
T40A	311,972.101	3,387,595.151	Marsh Creation Transect Endpoint
T40B	311,028.855	3,388,168.975	Marsh Creation Transect Endpoint
T41A	312,296.723	3,387,964.354	Marsh Creation Transect Endpoint
T41B	311,014.024	3,388,754.716	Marsh Creation Transect Endpoint
T42A	312,691.024	3,388,317.186	Marsh Creation Transect Endpoint
T42B	311,287.603	3,389,203.490	Marsh Creation Transect Endpoint
T43A	312,945.721	3,388,720.119	Marsh Creation Transect Endpoint
T43B	311,692.511	3,389,531.400	Marsh Creation Transect Endpoint
T44A	313,181.073	3,389,219.698	Marsh Creation Transect Endpoint
T44B	311,478.257	3,390,295.630	Marsh Creation Transect Endpoint
T45A	313,471.239	3,389,613.020	Marsh Creation Transect Endpoint
T45B	311,137.423	3,391,067.714	Marsh Creation Transect Endpoint
T46A	313,688.433	3,390,058.823	Marsh Creation Transect Endpoint
T46B	311,415.167	3,391,505.534	Marsh Creation Transect Endpoint
T47A	314,060.973	3,390,415.685	Marsh Creation Transect Endpoint
T47B	311,971.821	3,391,726.184	Marsh Creation Transect Endpoint
T48A	314,197.516	3,390,886.383	Marsh Creation Transect Endpoint
T48B	312,129.709	3,392,203.468	Marsh Creation Transect Endpoint
T49A	314,425.559	3,391,332.339	Marsh Creation Transect Endpoint
T49B	312,270.248	3,392,696.231	Marsh Creation Transect Endpoint
T50A	314,452.385	3,391,918.667	Marsh Creation Transect Endpoint
T50B	312,416.368	3,393,221.294	Marsh Creation Transect Endpoint
T51A	314,496.505	3,392,479.198	Marsh Creation Transect Endpoint
T51B	312,578.498	3,393,674.378	Marsh Creation Transect Endpoint
T52A	314,684.937	3,392,963.653	Marsh Creation Transect Endpoint
T52B	312,937.302	3,394,066.417	Marsh Creation Transect Endpoint
T53A	314,729.427	3,393,498.147	Marsh Creation Transect Endpoint
T53B	313,559.871	3,394,238.023	Marsh Creation Transect Endpoint

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

LEGEND

CONTAINMENT DIKE ALIGNMENT
MARSH CREATION SURVEY TRANSECT

REVISED BY:	DATE:

HORIZONTAL SCALE
1" = 800'
800' 0' 400' 800'

DATE: 01/27/2022 | JOB# 2211085

HYDROTERRA

MARSH CREATION AREA 1A

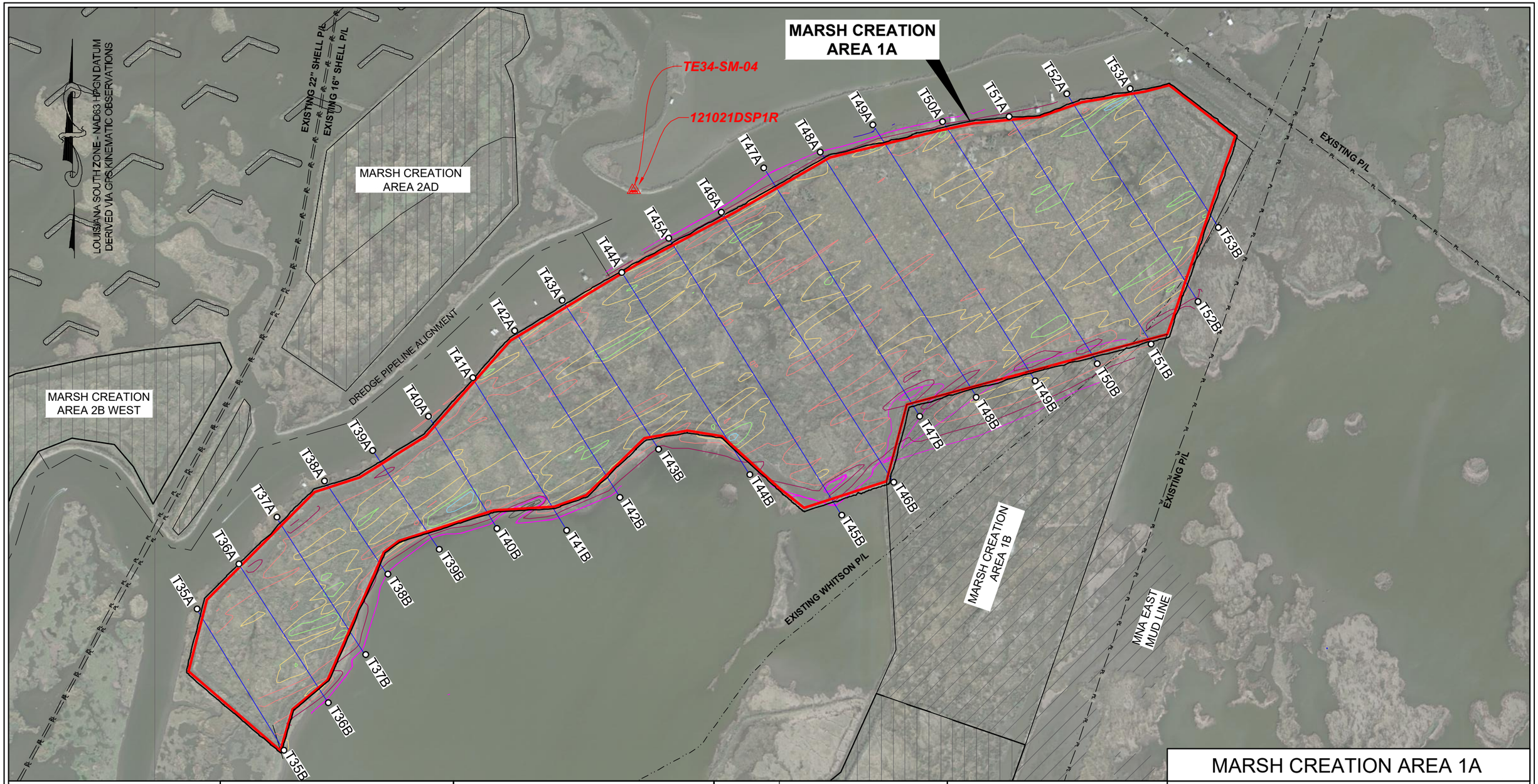
LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION (TE-72)

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY
MARSH CREATION AREA 1A
TRANSECTS PLAN VIEW
TERREBONNE PARISH, LA

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

FILE: MCA1A Marsh Creation Orthometric Height Survey (01-27-22).dwg

SHEET: 3 OF 4



MARSH CREATION AREA 1A

STATE OF LOUISIANA
KEITH J. ROBERTS
REG. NO. 4
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" = 800'
800' 0' 400' 800'

DATE: 01/27/2022 | JOB# 2211085

HYDROTERRA

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

TOPOGRAPHIC ORTHOMETRIC HEIGHT SURVEY

MARSH CREATION AREA 1A

CONTOUR PLAN VIEW

TERREBONNE PARISH, LA

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FILE: MCA1A Marsh Creation Orthometric Height Survey (01-27-22).dwg

SHEET: 4 OF 4