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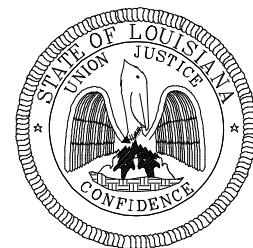
CA

STATE OF LOUISIANA
INSET MAP

PROJECT
LOCATION



FEDERAL
PROJECT
SPONSOR



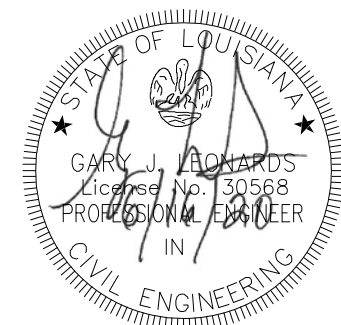
STATE
PROJECT
SPONSOR


CHIEF, OPERATIONS DIVISION

ENGINEER SUPERVISOR, OPERATIONS DIVISION

CONSTRUCTION MANAGER, OPERATIONS DIVISION

CONSULTANT PROJECT ENGINEER



| | | | | | | | | | | |
|-----------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|----|--|--|
| DATE: June 2020 | | <div>Goose Point/Point Platte and Bayou Bonfouca Marsh Creation Maintenance Project</div> <div>STATE PROJECT NUMBER: PQ-0033 and PQ-0104</div> <div>DRAWN BY: LMH</div> | <div>Title Sheet</div> <div>DESIGNED BY: LMH</div> <div>APPROVED BY: GJL</div> | <div>COASTAL PROTECTION AND RESTORATION AUTHORITY</div> <div>150 TERRACE AVENUE</div> <div>BATON ROUGE, LOUISIANA 70802</div> <div> PROVIDENCE</div> | | | | | | |
| SHEET 1 OF 14 | | | | | REV. | DATE | DESCRIPTION | BY | | |

Providence Engineering and Environmental Group LLC Drawing No.: 621-010-B001

LICENSURE CLASSIFICATION REQUIREMENTS
HEAVY CONSTRUCTION
COASTAL RESTORATION & HABITAT ENHANCEMENT

General Notes

1.

The contractor shall not, at anytime, traverse existing marsh or vegetative wetlands to access the locations of the proposed dike gaps. Access to these areas shall be limited to open water areas, except as shown in the plans.
2.

The contractor shall be responsible for identifying safe access routes to the project locations and for navigating within the limits of the project site. The engineer or his representative shall monitor the location of equipment during construction.
3.

Pipelines and utilities shown on the plans are approximate. The contractor shall locate and mark all pipelines and utilities located within 150 ft. of the work prior to beginning construction. The contractor shall maintain these markers during construction.
4.

Plans and specifications are complementary; what is required by one is binding as if required by all. Clarifications and interpretations of, or notifications of minor variations and deviations in the contract documents, will be issued in writing by the engineer.
5.

Any damage to existing U.S. Coast Guard navigation aids or private navigation aids shall be repaired by the contractor to U.S. Coast Guard standards at the expense of the contractor.
6.

The locations and elevations of the dike gaps and tidal creeks may be revised by the engineer throughout the performance of the work to reflect changes in field conditions.
7.

The contractor is responsible for containing all spoil materials generated to the immediate areas of the dike gap locations.

Notifications

1.

The contractor shall notify Louisiana One Call at 1-800-272-3020 to locate pipelines and utilities at least five (5) working days prior to performing the work. The contractor shall also notify the following pipeline operator at least five (5) working days prior to performing the work:

Collins Pipeline

Josh Briscoe

Cell Phone: (504) 250-2431

Transcontinental Gas Pipeline Company, LLC

Nick Gaspard

Phone: (337) 735-2860

Southern Natural Gas Company

Frank Johnson

Phone: (205) 325-7315
2.

Land rights agreements are provided in the specifications. The contractor shall notify all of the landowners at least five (5) working days prior to performing the work:
3.

The contractor shall contact the manager of the Big Branch Marsh National Wildlife Refuge at (985) 882-2000 and obtain a special use permit prior to mobilization.

Environmental Notes

1.

The contractor shall comply with the special provisions contained in the project specifications.
2.

Contractor shall make every effort to minimize the movement of silt and sediment during the construction activities.

Horizontal and Vertical Control Information

1.

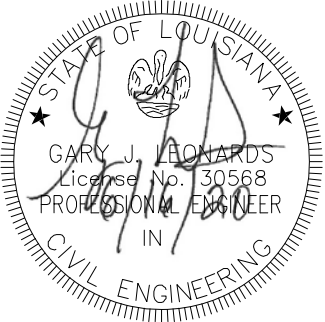
All elevations are given in the North American Vertical Datum of 1988 (NAVD 88) U.S. Survey Feet. All horizontal coordinates are given in the North American Datum of 1983 (NAD 83, Louisiana State Plane South Zone U.S. Feet). Elevations are based on the following survey monument:


| Monument | Elevation | Northing | Easting |
|------------------|-----------|------------|--------------|
| 876 1534 b tidal | 2.60' | 631,798.38 | 3,748,804.16 |
2.

Data from CRMS gauges 0006 and 3667 were used to determine the elevation of the bottom of the dike gaps.

Summary of Estimated Quantities

| Item | Description | UNIT | QTY |
|------|------------------------------------------------------|------|-----|
| 1 | Mobilization and Demobilization - TS-100 | Lump | 1 |
| 2 | Surveying - TS-200 | Lump | 1 |
| 3 | Goose Point/Point Platte Cell A Gap - TS-305 | Each | 2 |
| 4 | Goose Point/Point Platte Cell B Gap - TS-305 | Each | 5 |
| 5 | Goose Point/Point Platte Cell C Gap - TS-305 | Each | 2 |
| 6 | Goose Point/Point Platte Cell D Gap - TS-305 | Each | 1 |
| 7 | Goose Point/Point Platte Cell E Gap - TS-305 | Each | 3 |
| 8 | Bayou Bonfouca Area 1 Gap - TS-305 | Each | 1 |
| 9 | Bayou Bonfouca Area 2 Gap - TS-305 | Each | 7 |
| 10 | Bayou Bonfouca Area 3 Gap - TS-305 | Each | 1 |
| 11 | Bayou Bonfouca Area 4 Gap - TS-305 | Each | 1 |
| 12 | Goose Point/Point Platte Cell A Tidal Creek - TS-370 | Each | 2 |
| 13 | Goose Point/Point Platte Cell B Tidal Creek - TS-370 | Each | 2 |
| 14 | Goose Point/Point Platte Cell C Tidal Creek - TS-370 | Each | 1 |
| 15 | Goose Point/Point Platte Cell D Tidal Creek - TS-370 | Each | 1 |
| 16 | Goose Point/Point Platte Cell E Tidal Creek - TS-370 | Each | 1 |
| 17 | Bayou Bonfouca Area 1 Tidal Creek - TS-370 | Each | 1 |
| 18 | Bayou Bonfouca Area 2 Tidal Creek - TS-370 | Each | 3 |





PROVIDENCE

COASTAL PROTECTION
AND RESTORATION
AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

General Notes & Estimated Quantities

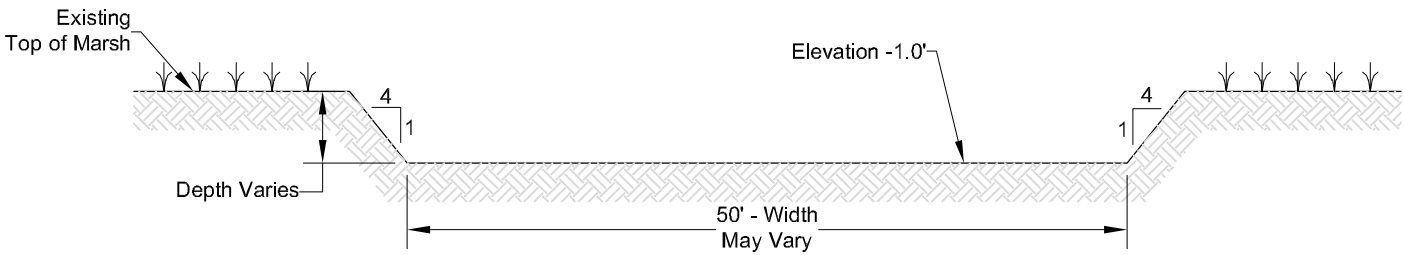
DESIGNED BY: LMH
APPROVED BY: GIL

Goose Point/Point Platte and Bayou Bonfouca Marsh Creation Maintenance Project

STATE PROJECT NUMBER: PO-0033 and PO-0104
DRAWN BY: LMH

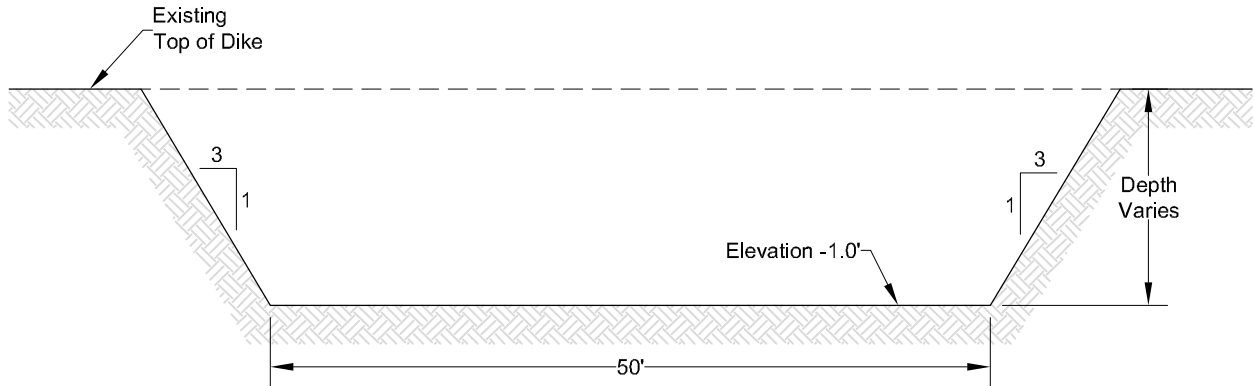
DATE: June 2020

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Goose Point/Point Platte (PO-0033) and
Bayou Bonfouca (PO-0104)
Tidal Creek Typical Section

Not to Scale

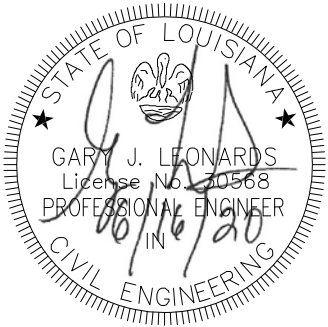



Goose Point/Point Platte (PO-0033) and
Bayou Bonfouca (PO-0104)
Dike Gap Typical Section

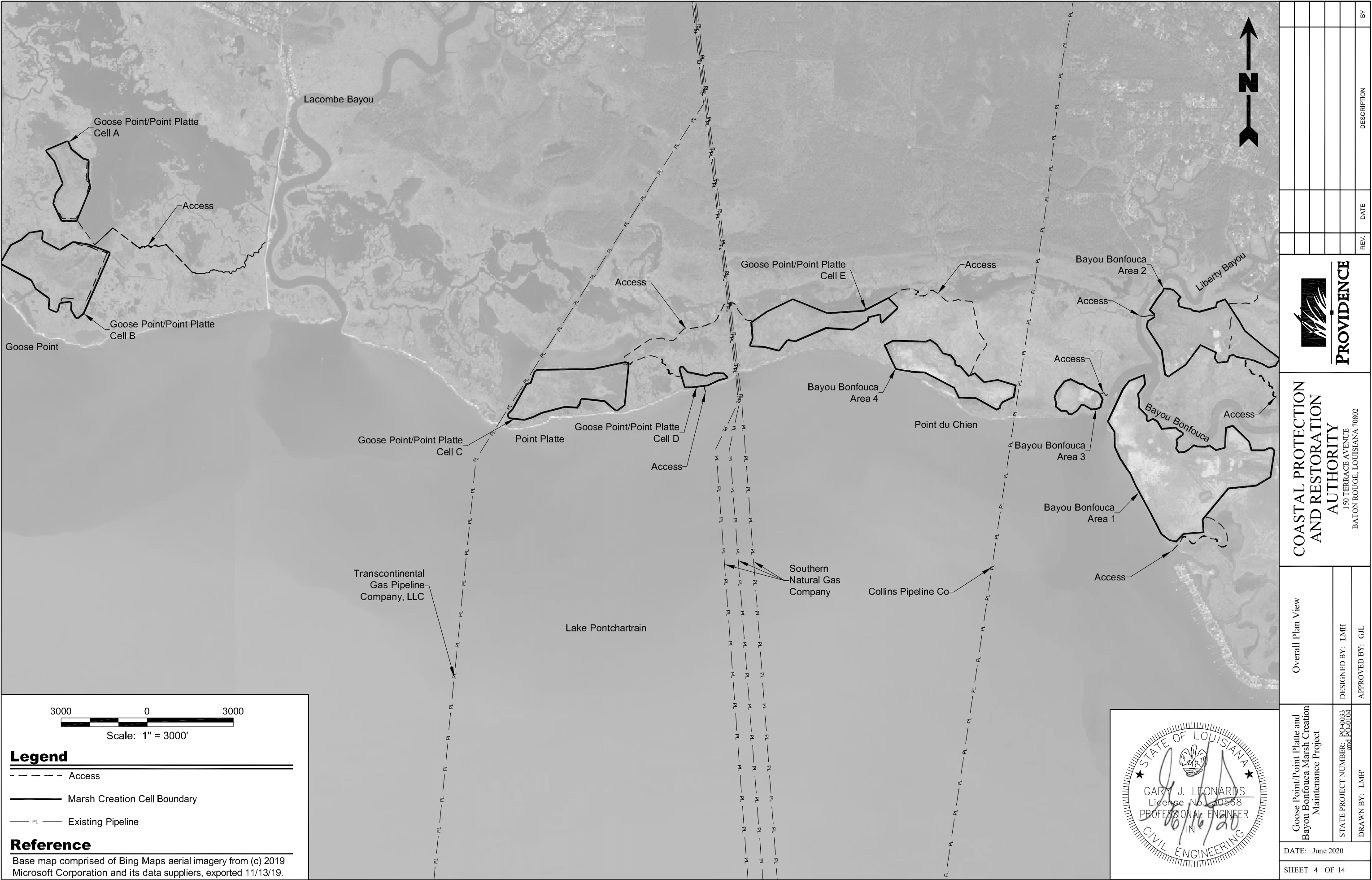
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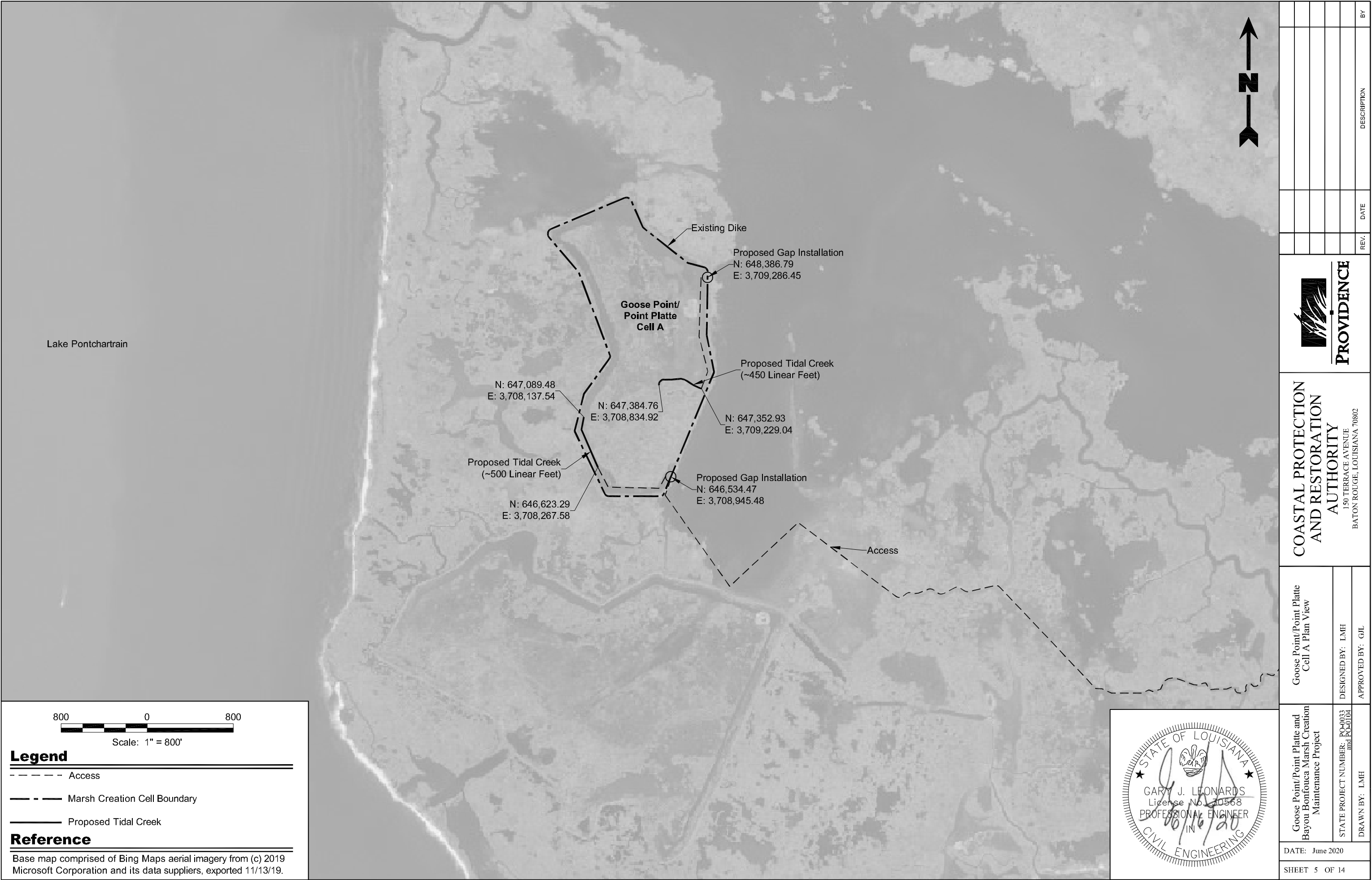
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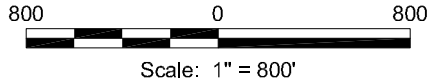
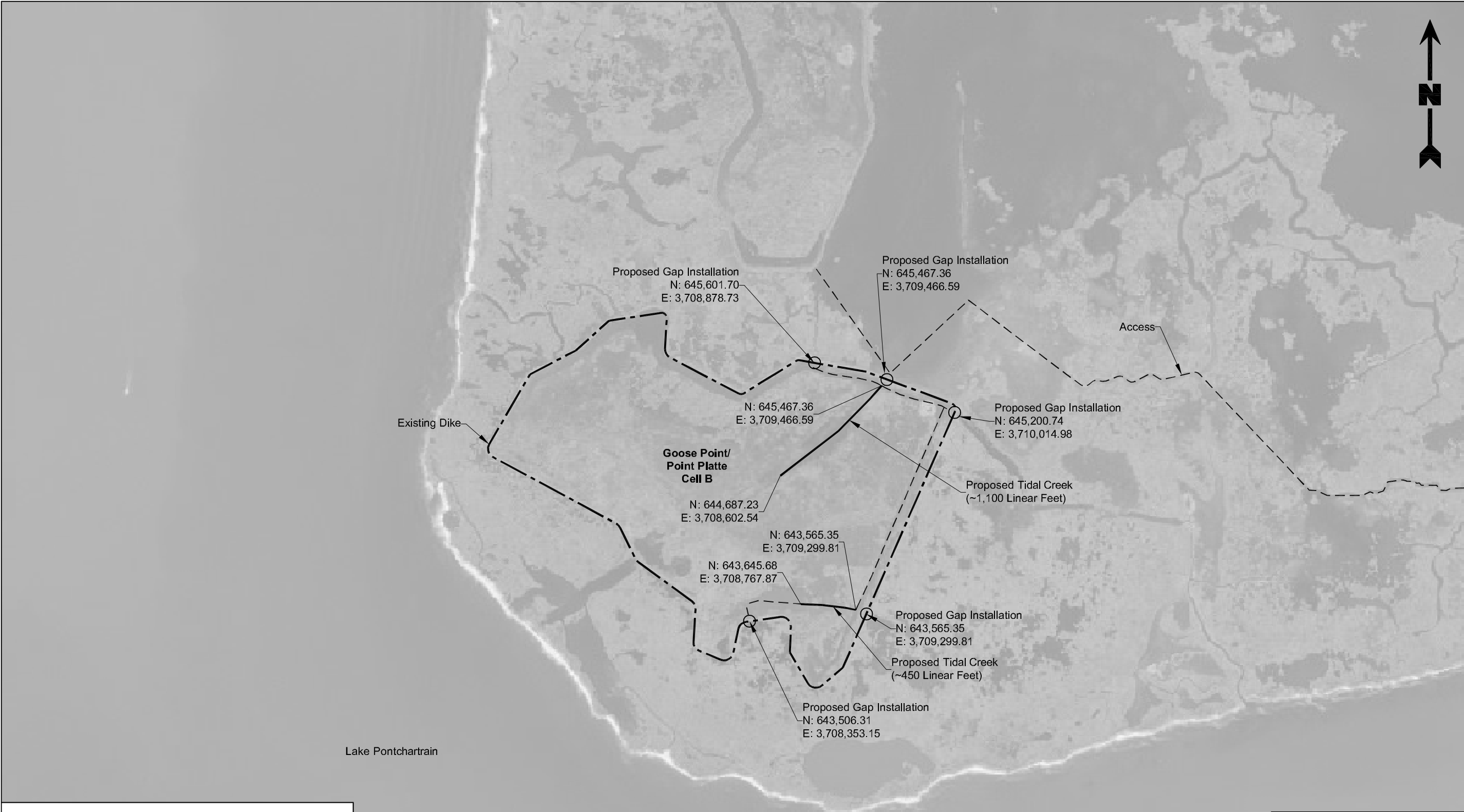
1. The width and depth of the tidal creeks may vary based on site specific conditions or recommendations from USFWS and the project owner.
2. Spoil from the creation of the tidal creeks shall be deposited in areas adjacent to the tidal creek. Spoil shall be spread as to not create an upland area or habitat.
3. The width and bottom elevation of the dike gaps may vary based on site specific conditions or recommendations from USFWS and the project owner.



| | | | | | | | | | | |
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| Goose Point/Point Platte and Bayou Bonfouca Marsh Creation Maintenance Project | | Typical Sections | COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802 | |  PROVIDENCE | | | | | |
| STATE PROJECT NUMBER: PO-0033 and PO-0104 | | DESIGNED BY: LMH | | | | | | | | |
| DRAWN BY: LMH | | APPROVED BY: GIL | | | | | | | | |
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| DATE: June 2020 | | | | | | REV. | DATE | DESCRIPTION | | BY |
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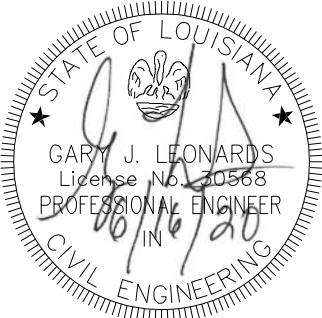



Legend

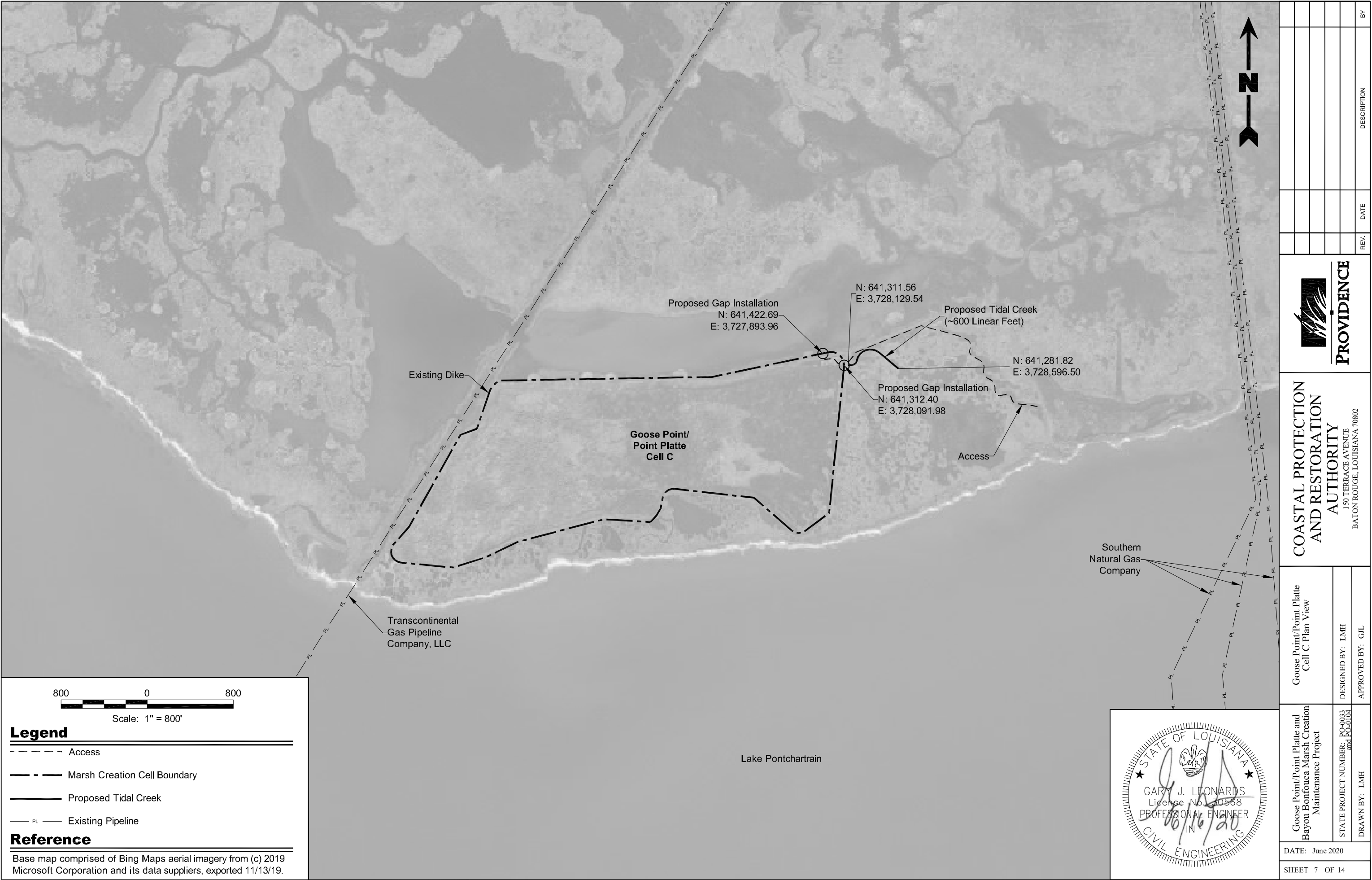
- Access
- - - Marsh Creation Cell Boundary
- Proposed Tidal Creek

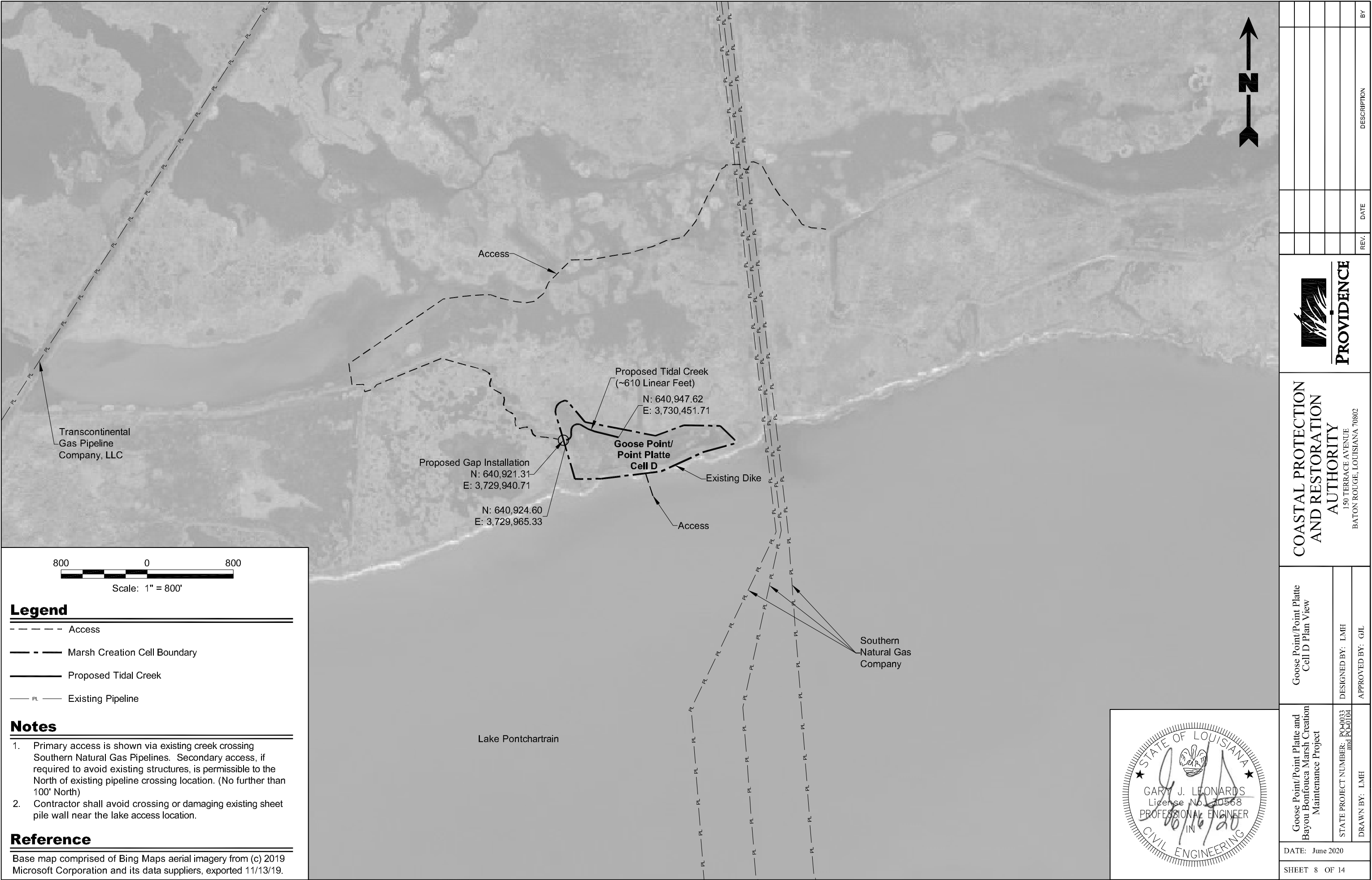
Reference

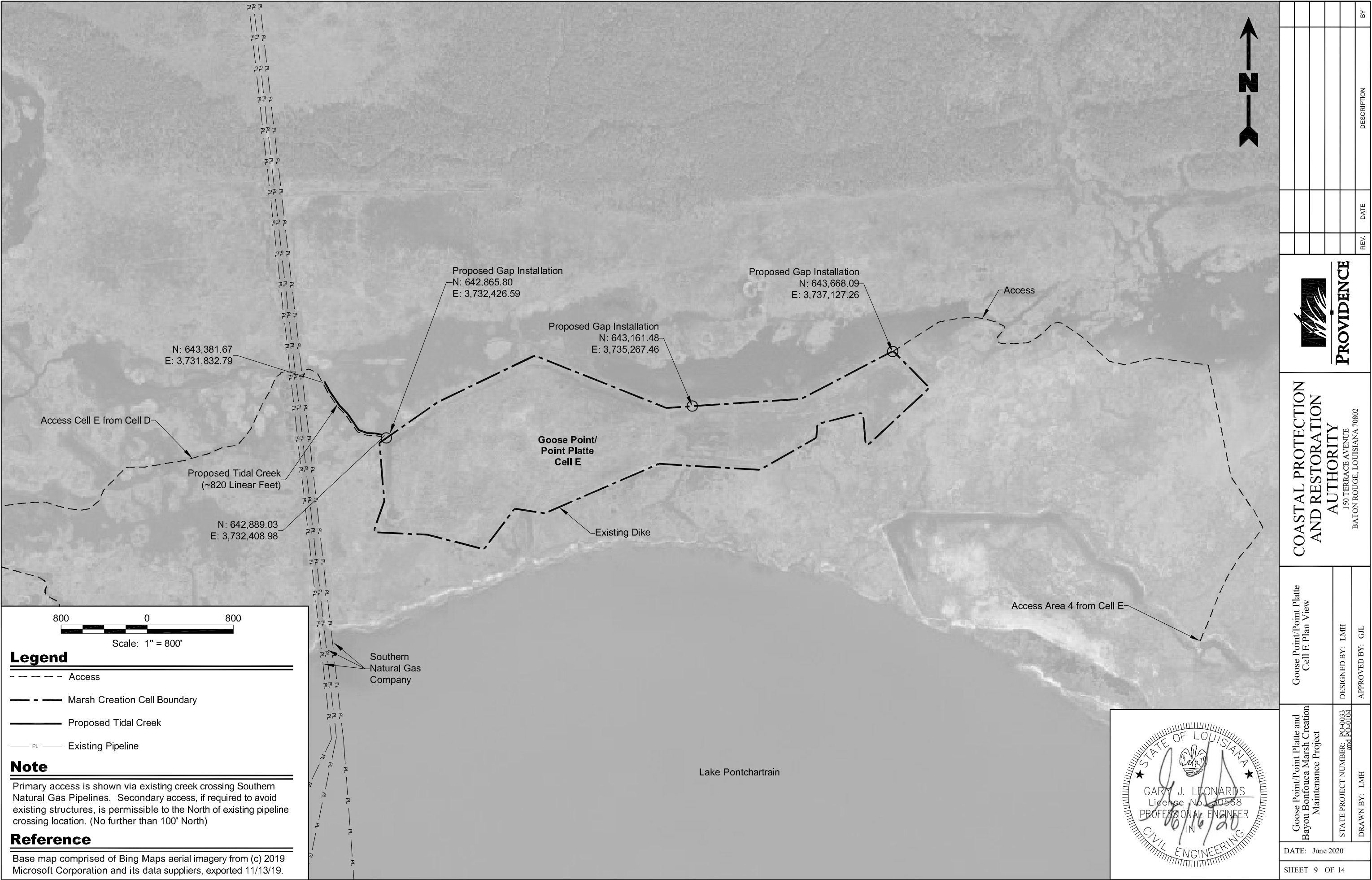
Base map comprised of Bing Maps aerial imagery from (c) 2019 Microsoft Corporation and its data suppliers, exported 11/13/19.

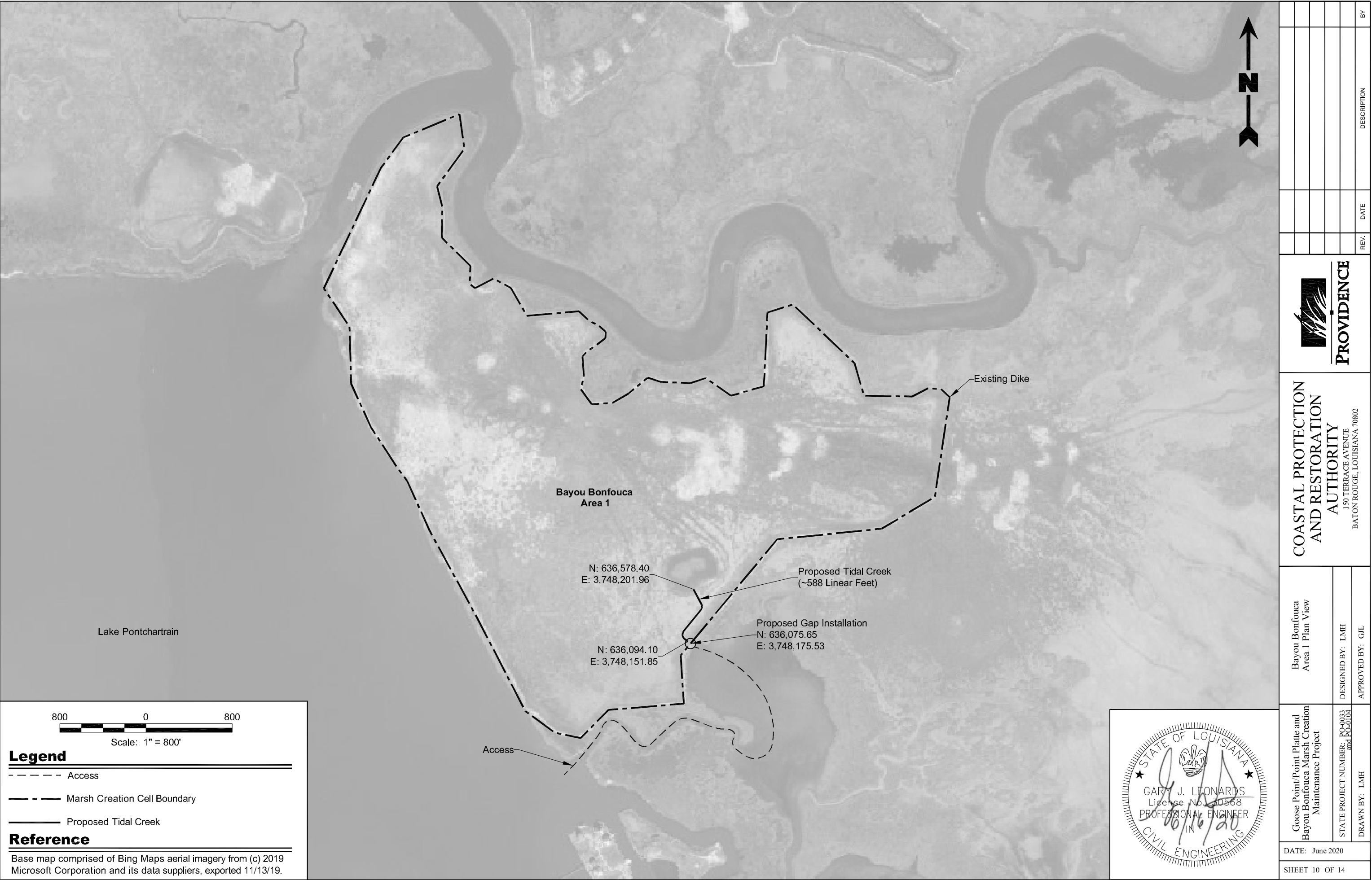


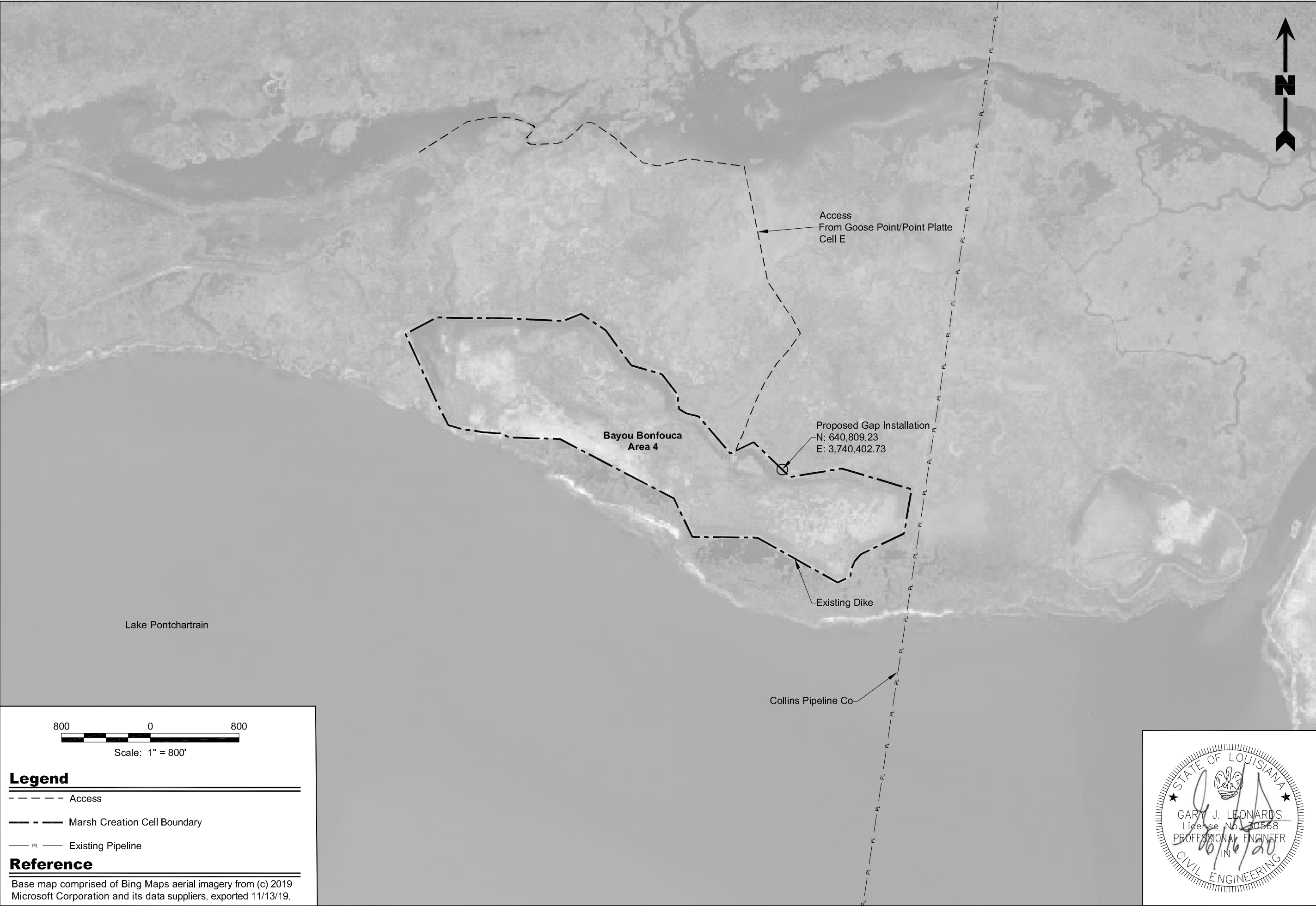
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| GOOSE POINT/POINT PLATTE AND BAYOU BONFOUCA MARSH CREATION Maintenance Project | | GOOSE POINT/POINT PLATTE Cell B Plan View | | <div>PROVIDENCE</div> | | | | | |
| STATE PROJECT NUMBER: PO-0033 and PO-0104 | | DESIGNED BY: LMH | | | | | | | |
| DRAWN BY: LMH | | APPROVED BY: GIL | | | | | | | |
| DATE: June 2020 | | | | | | REV. | DATE | DESCRIPTION | BY |
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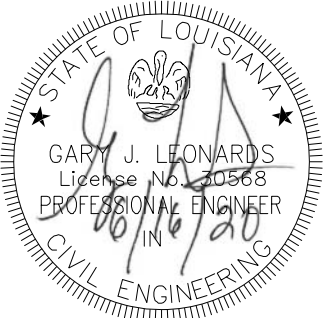



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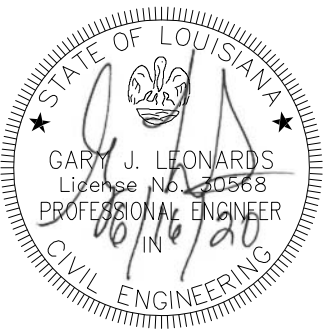
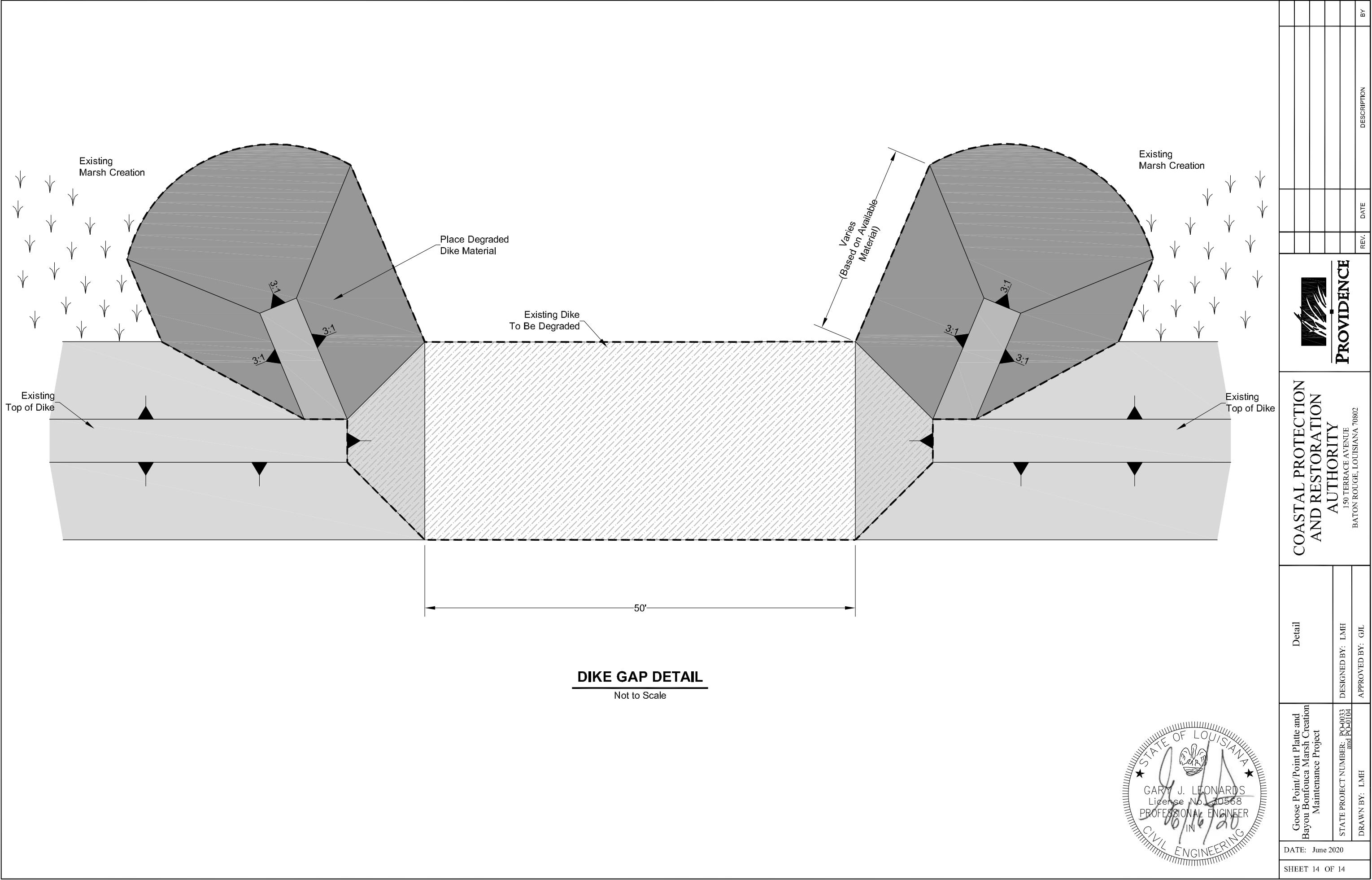
- Access
- - - Marsh Creation Cell Boundary
- PL — Existing Pipeline

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2019 Microsoft Corporation and its data suppliers, exported 11/13/19.



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| Goose Point/Point Platte and Bayou Bonfouca Marsh Creation Maintenance Project | | Bayou Bonfouca Area 4 Plan View | <div> PROVIDENCE</div> | | | | |
| STATE PROJECT NUMBER: PO-0033 and PO-0104 | | | | | | | |
| DRAWN BY: LMH | | DESIGNED BY: LMH | | | | | |
| | | APPROVED BY: GIL | | | | | |
| DATE: June 2020 | | | | | | | |
| SHEET 13 OF 14 | | | | | | | BY |
| | | | | | | | DESCRIPTION |



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| Goose Point/Point Platte and Bayou Bonfouca Marsh Creation Maintenance Project | | DATE: June 2020 | SHEET 14 OF 14 | |
| Detail | | DESIGNED BY: LMH | DRAWN BY: LMH | |
| APPROVED BY: GIL | | STATE PROJECT NUMBER: PO-0033 and PO-0104 | | DATE |
| COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802 | | PROVIDENCE | | REV. |
| | | | | DESCRIPTION |
| | | | | BY |