

Exhibit Z.

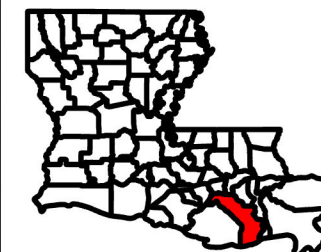
South Lafourche Airport North Site FEMA 100 Year Flood Plain Letter & Map



South Lafourche Airport North Site Effective FEMA 100 Year Flood Plain Letter & Map

Site Exhibit for
South Lafourche
Airport North Site
Lafourche Parish, LA

SLEC

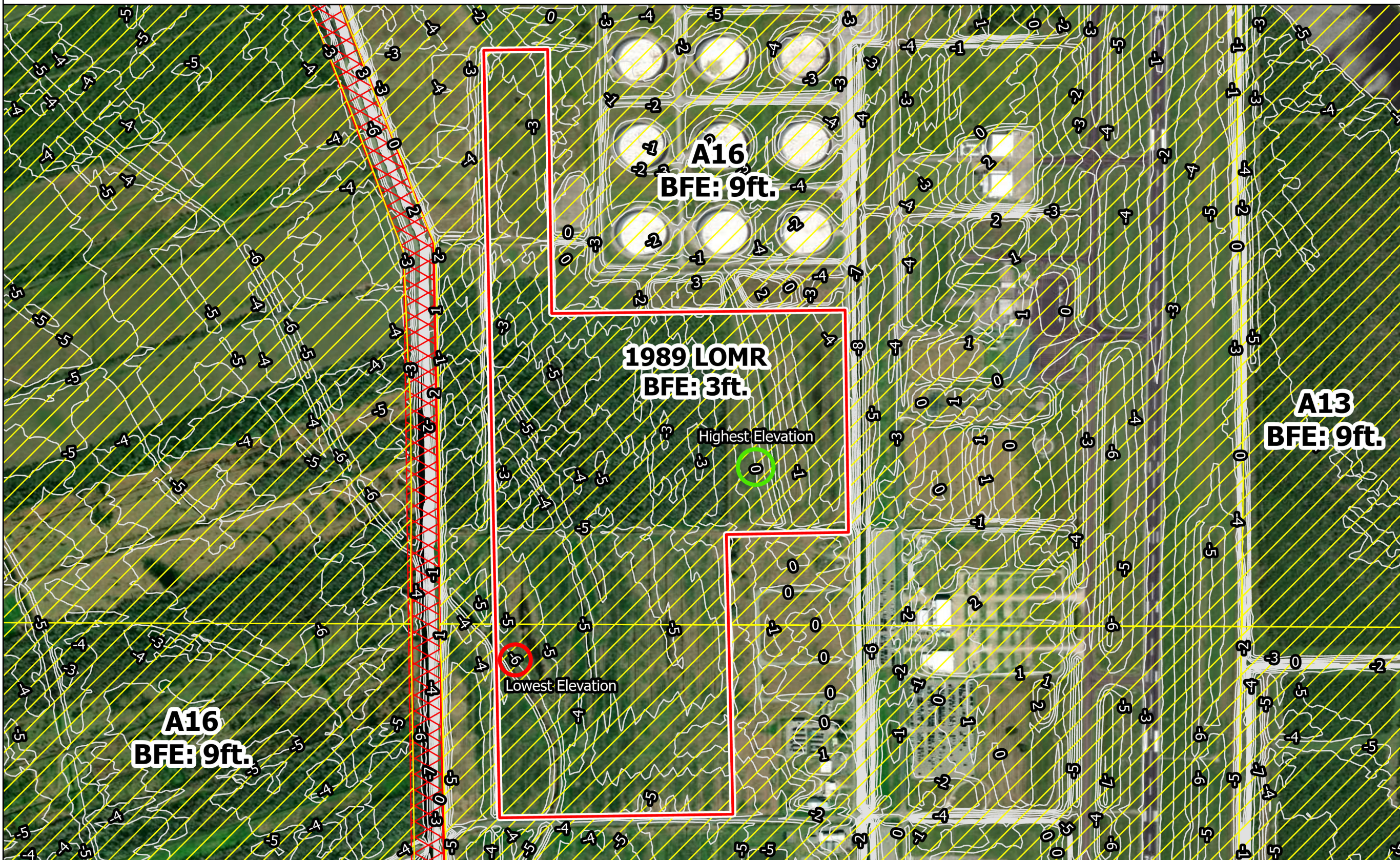


Legend

- Site Boundary
(±166.30 ac.)
- Effective FEMA Flood Zone**
- A (100-year without Base Flood Elevation)
- A13 (100-year with Base Flood Elevation)
- A16 (100-year with Base Flood Elevation)
- Ground Elevation Contour



Date: 8/19/2024
Project Number: 216270
Drawn By: BMS
Checked By: EEB

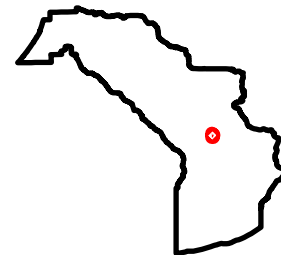
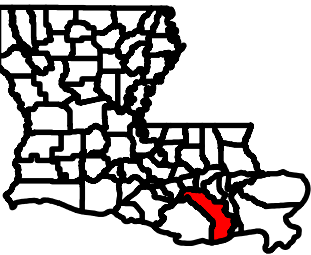


- General Notes:
1. The information presented herein is for planning purposes only. Further detailed due diligence MUST be completed prior to making decisions regarding the site.
 2. No attempt has been made by CSRS, Inc. to verify site boundary, title, actual legal ownership, deed restrictions, servitudes, easements, or other burdens on the property, other than that furnished by the client or his representative.
 3. Transportation data from 2023 TIGER datasets via U.S. Census Bureau at <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>.
 4. Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.
 5. Federal Emergency Management Agency (FEMA) National Flood Hazard Layer data is from the website: <https://www.fema.gov/flood-maps/national-flood-hazard-layer>.



P:\216270\South Lafourche Airport Certification_North\CAD\GIS_templates\GIS\South

SLEC



Legend

Site Boundary
(±166.30 ac.)

Ground Elevation
Contour

Proposed Cut & Fill Plan

Proposed 25-acre Site
Pad

Proposed 16-acre/10-
foot Deep Retention
Pond



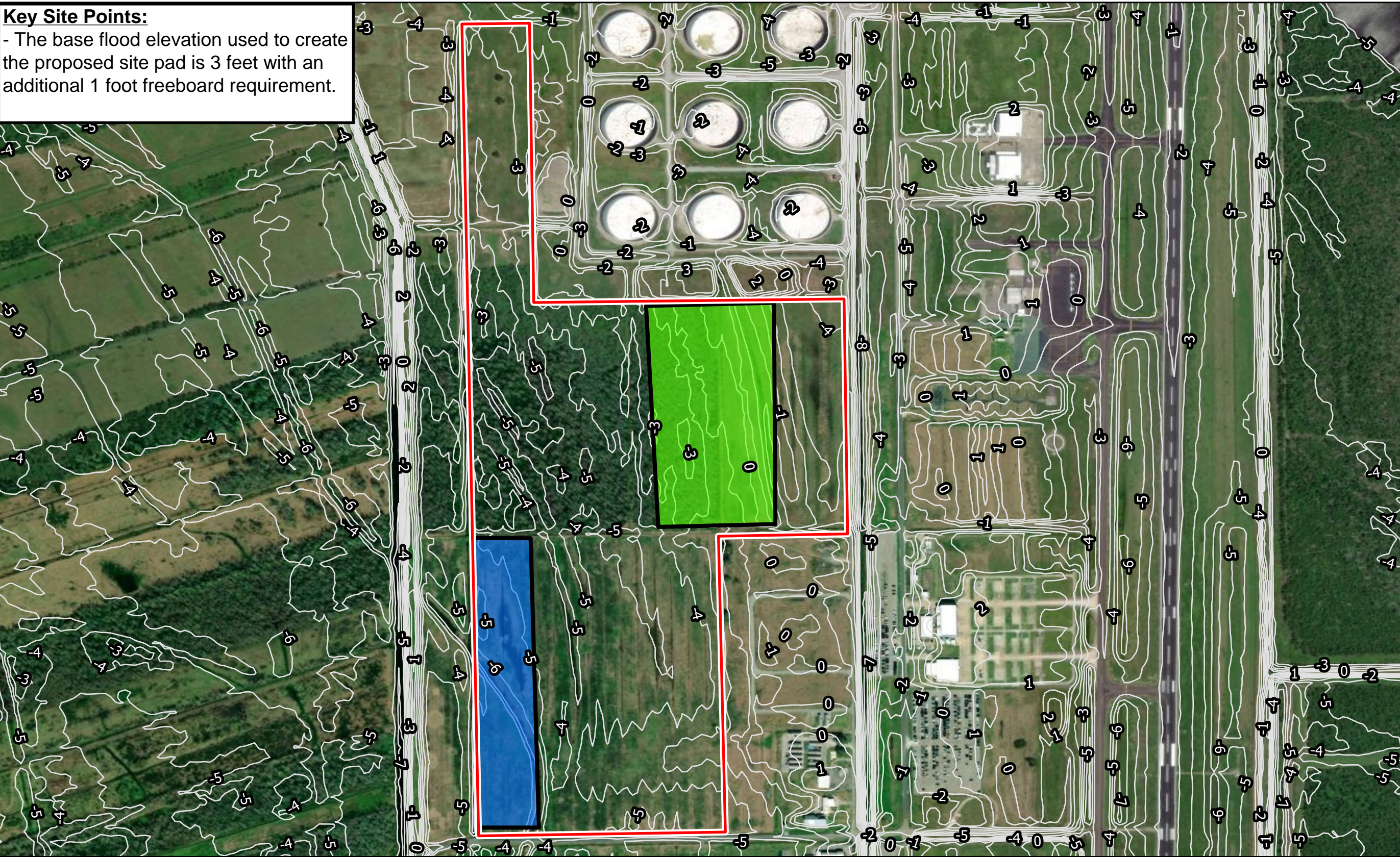
Date: 9/30/2024
Project Number: 216270
Drawn By: BMS
Checked By: EEB



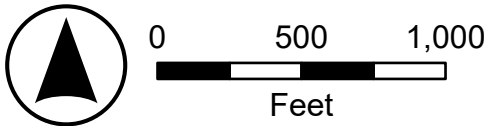
South Lafourche Airport North Site Proposed Cut & Fill Plan Exhibit

Key Site Points:

- The base flood elevation used to create the proposed site pad is 3 feet with an additional 1 foot freeboard requirement.



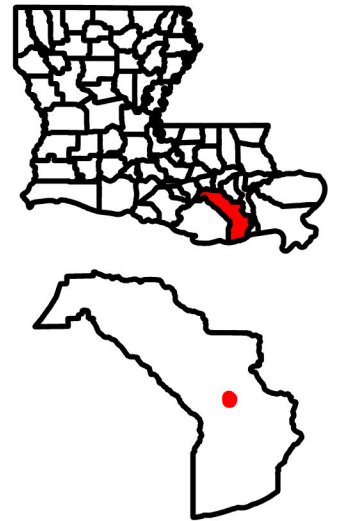
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South Lafourche Airport North Site Preliminary FEMA 100 Year Flood Plain Letter & Map

Site Exhibit for
South Lafourche
Airport North Site
Lafourche Parish, LA

SLEC

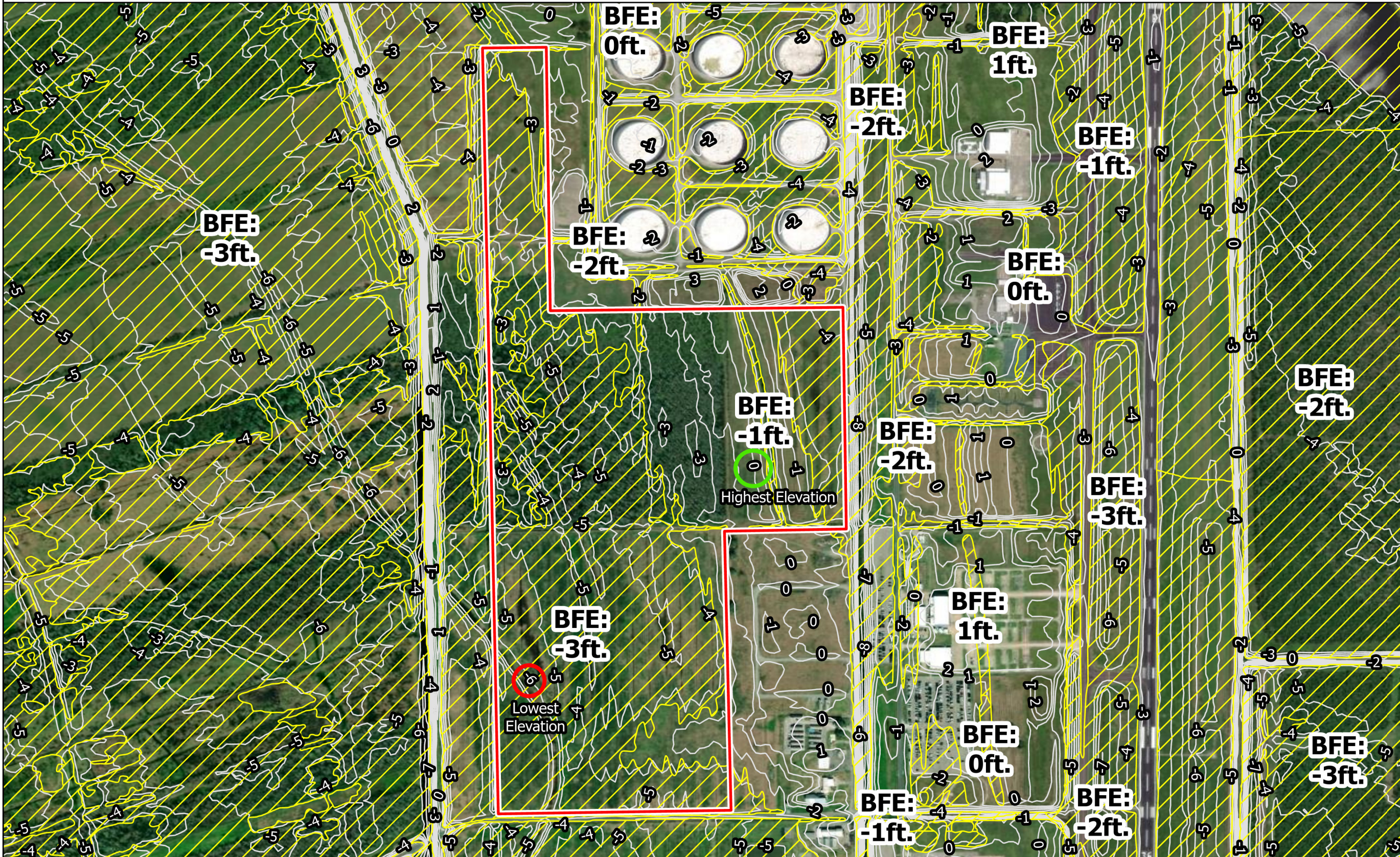


Legend

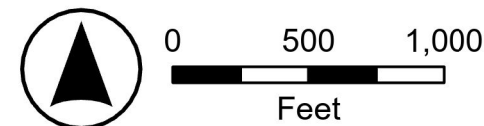
- Site Boundary
(±166.30 ac.)
- Preliminary FEMA Flood Zone
AE (100-year with Base Flood Elevation)
- X (area outside of 100-year)
- Ground Elevation Contour



Date: 8/19/2024
Project Number: 216270
Drawn By: BMS
Checked By: EEB



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September 25, 2024

Mrs. Deanna Lafont
South Louisiana Economic Council
322 Audubon Avenue
Thibodaux, Louisiana 70310

**South Lafourche Airport North Site
FEMA 100 Year Flood Plain
Letter & Map**

**RE: South Lafourche Airport North Site
FEMA 100 Year Flood Plain Letter & Map
CSRS Project No 216269**

Dear Mrs. Deanna Lafont,

According to the FEMA Digital Flood Insurance Rate Map (DFIRM) panel numbers 2252020585C and 2252020595C of Lafourche Parish, Louisiana, effective 04/16/1985, the South Lafourche Airport North Site is located in Flood Zone AE. The LiDAR contours derived from the USGS TNM indicate the site elevation ranges from -6 feet to 0 feet, however, the mean elevation of the site is -3 feet. A letter has been received from the Lafourche Parish Floodplain Administrator confirming the base flood elevation (BFE) stated in the 1989 Letter of Map Revision (LOMR) for 2252020585C and 2252020595C will be used for the site as well as an additional 1 foot for freeboard required by Lafourche Parish.


In order to raise twenty-five (25) contiguous acres one foot above the BFE of 3 feet, approximately 235,000 cubic yards of in-place select fill will be required with an estimated construction cost of \$2,350,000 for on-site fill and \$5,875,000 for off-site fill. If the fill will be sourced on-site, the pond created from gathering the fill is estimated to be 16 acres and 10 feet deep. The estimated construction costs only includes in-situ soil placement and retention pond development for on-site fill and purchase of soil, transportation, and in-situ soil placement for off-site fill. Both cost do not account for engineered fill or soil treatment.

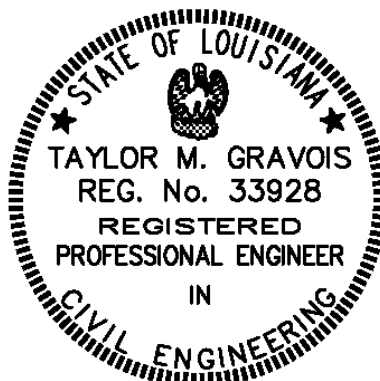
There are preliminary DFIRM maps for Lafourche Parish depicting approximately 120 acres of the site in flood zone AE and 46 acres in flood zone X with BFEs ranging from -1 feet to -3 feet, however the preliminary DFIRM maps have yet to be adopted by Lafourche Parish. The cost to elevate twenty-five contiguous acres of the site one foot above the BFE may decrease once the preliminary DFIRM maps are adopted by the parish.

Thank you for the opportunity to assist you with this project. Should you have any questions or require additional information, feel free to contact me.

Respectfully,

CSRS, Inc.


Taylor Gravois, PE, PLS



ENGINEER'S OPINION OF PROBABLE COST

South Laforuche Airport North Site
Proposed Site pad - 25 acres

9/25/2024



CONSTRUCTION COST - WASTEWATER

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | COST | TOTAL |
|----------|-----------------------------|---------|----------|------|----------------|
| 1 | On-Site Fill Retention Pond | cu. yd. | 235,000 | \$10 | \$2,350,000.00 |
| 2 | Off-site Fill | cu. yd. | 235,000 | \$25 | \$5,875,000.00 |

Note:

- 1) On-site cut and fill estimates assume a 25-acre site pad with a 16-acre and 10-foot deep pond.
- 2) On-site fill cost include in-situ soil placement and retention pond development.
- 3) Off-site fill cost include purchase of soil, transportation of soil to site, and in-situ soil placement.
- 4) Both cost do not account for engineered fill or soil treatment.



4876 Highway 1 - Mathews, LA 70375
P.O. Box 425 - Mathews, LA 70375
985-537-7603 - FAX 985-532-2845

www.lafourchegov.org

Archie Chaisson, III, *Parish President*

FLOODPLAIN DEPARTMENT

September 5, 2024

Project Description: **South Lafourche Airport NORTH site**
Structure Address/Location: **29.439286, -90.271592**

COMMUNITY NO: **225202**

PANEL NO: **0585C**

DATE OF FIRM PANEL: **APRIL 17, 1985**

DATE OF LOMR PANEL: **SEPTEMBER 8, 1989**

FIRM ZONE: **A1** REQ: **+3.0'**

ABFE MAP INFORMATION:

PANEL NO: **LA M-117**

DATE OF MAP: **FEBRUARY 23, 2006**

ZONE: ****SEE EFFECTIVE FIRM**

Lafourche Parish has not adopted any preliminary panels dated 6/16/2021 at this time.

Please be advised that all new construction must meet an additional +1.0' for freeboard. This includes residential structures as well as commercial. Any structures that may be used as emergency shelters must be raised to include a +2.0' freeboard.

With that being said, the FFE for the proposed South Lafourche Airport North site should be +4.0'. If the structure will potentially be used as an emergency shelter, the FFE must be raised to +5.0'.

NOTE: This information is based on the Flood Insurance Rate Map (FIRM) of the Parish. This letter does not imply that the referenced property will or will not be free from flooding or damage. A property not in a Special Flood Hazard Area may be damaged by a flood greater than that predicted on the FIRM or from a local drainage problem not shown on the map. This letter does not create liability on the part of the Parish, or any officer or employees thereof, for any damage that results from reliance on this information. This information is provided as a public service by the Lafourche Parish Government.


Jennifer Smith, CFM
Lafourche Parish Planning & Permits

** When ABFE panel states "See Effective FIRM", we must add the additional foot freeboard.

| | | | |
|----------------------|------------------|----------------------|------------|
| Archie Chaisson, III | Parish President | | District 5 |
| DeJae Broomfield | District 1 | Terry Arabia | District 6 |
| William "T-Bo" Adams | District 2 | Armand "Nonie" Autin | District 7 |
| Mark Perque | District 3 | Dlynn Chiasson | District 8 |
| Aaron "Bo" Melvin | District 4 | Daniel Lorraine | District 9 |