

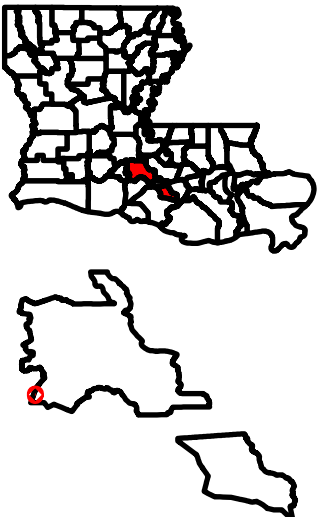
Exhibit Z. Mouton Site FEMA 100 Year Flood Plain Letter & Map



Mouton Site FEMA 100 Year Flood Plain Letter & Map

Site Exhibit for
Mouton Site
St. Martin Parish, LA

One Acadiana

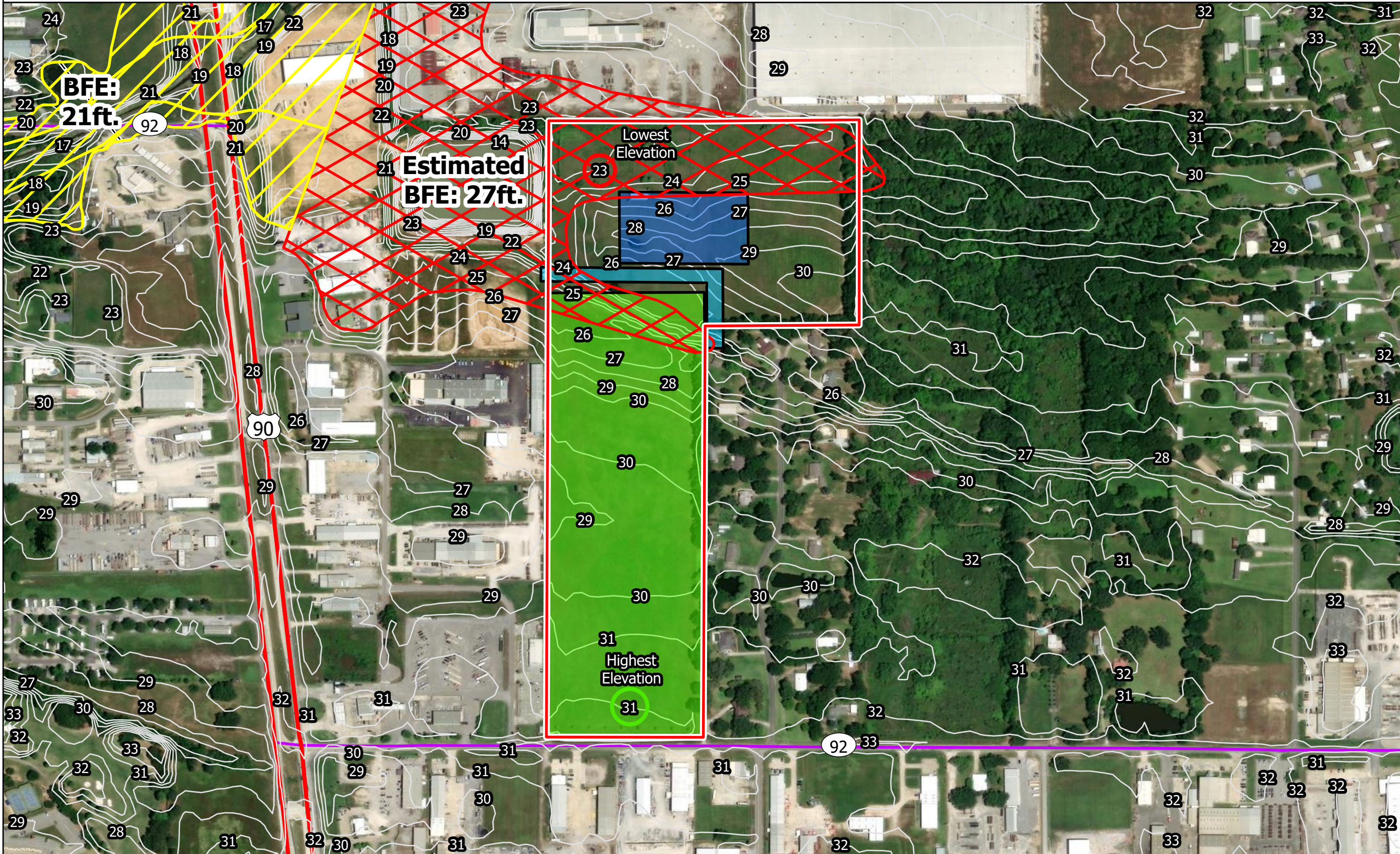


Legend

- ▬ Site Boundary (±46.20 ac.)
- ▬ Proposed 25-acre Site Pad
- ▬ Proposed 3.3-acre Retention Pond
- ▬ Proposed Drainage Feature Relocation
- ▬ FEMA Flood Zone A (100-year without Base Flood Elevation)
- ▬ FEMA Flood Zone AE (100-year with Base Flood Elevation)
- X (area outside of 100-year) (±35 ac.)
- Base Flood Elevation
- Ground Elevation Contour
- Major Road**
- ▬ US Highway
- ▬ State Highway

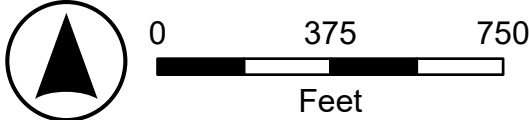


Date: 1/24/2025
Project Number: 214002
Drawn By: BMS
Checked By: EEB



General Notes:

- The information presented herein is for planning purposes only. Further detailed due diligence MUST be completed prior to making decisions regarding the site.
- 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.
- 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>.
- Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.
- 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: 214002 One Acadiana Certified Sites Program \ Certified Sites \ Mouton

January 24, 2025

Mrs. Megan Duhon
One Acadiana
523 Jefferson Street
Lafayette, Louisiana 70501

**Mouton Site
FEMA 100 Year Flood Plain
Letter & Map**

**RE: Mouton Site
FEMA 100 Year Flood Plain Letter & Map
CSRS Project No 214002**

Dear Mrs. Duhon,


According to the FEMA Digital Flood Insurance Rate Map (DFIRM) panel no. 22099C0350H of St. Martin Parish, Louisiana, effective 11/4/2010, the Mouton Site is located in Flood Zone X and Flood Zone A. Additionally, the FEMA Effective DFIRM map provided on the LSU AgCenter website (<http://maps.lsuagcenter.com>), the site is located in Flood Zone X and Flood Zone A. The LiDAR contours derived from the USGS TNM indicate the site ranges in elevation from 23 feet to 31 feet, however, the mean elevation of the site is 27 feet. According to the City of Broussard floodplain administrator, the estimated base flood elevation for the site is 27 feet with a one-foot freeboard requirement from the parish. However, the city of Broussard requires any property with more than 5 acres or 50 lots to complete a Hydrologic Engineering Center's River Analysis System (HEC-RAS) assessment to determine the official base flood elevation.

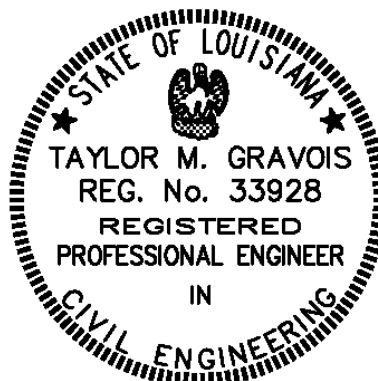
In order to raise twenty-five (25) contiguous acres to the estimated BFE of 27 feet, approximately 19,000 cubic yards of fill will be required as well as rerouting the existing drainage feature within the site. The estimated construction cost is \$190,000 for the on-site fill option and \$570,000 for the off-site fill option. If the fill is sourced on-site, the pond created from gathering the fill is estimated to be 3.3 acres and 3 feet deep. The estimated cost for on-site option accounts for in-situ soil placement, retention pond development, and drainage feature relocation, while the off-site option accounts for purchase of soil, transportation, in-situ soil placement, and drainage feature relocation. Both estimates do not include costs for engineered fill or soil treatment.

Thank you for the opportunity to assist you in 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

Mouton Site
Proposed Site pad - 25 acres

1/24/2025



CONSTRUCTION COST - WASTEWATER

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	COST	TOTAL
1	On-Site Fill	cu. yd.	19,000	\$10	\$190,000.00
2	Off-site Fill	cu. yd.	19,000	\$30	\$570,000.00

Note:

- 1) On-site cut and fill estimates assume a 25-acre site pad with a 3.3-acre and 3-foot deep pond.
- 2) On-site fill cost include in-situ soil placement, retention pond development, and drainage feature relocation.
- 3) Off-site fill cost include purchase of soil, transportation of soil to site, in-situ soil placement, and drainage feature relocation.
- 4) Both cost do not account for engineered fill or soil treatment.