

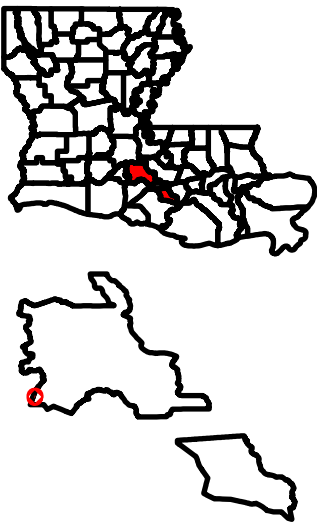
Exhibit M. Mouton Site Wastewater Infrastructure Upgrade Letter & Map



Mouton Site Wastewater Infrastructure Upgrade Letter & Map

Site Exhibit for
Mouton Site
St. Martin Parish, LA

One Acadiana



Legend

- Site Boundary (±46.20 ac.)
- Option 1**
 - City of Broussard 8" Wastewater Gravity Line
 - Proposed 6" Wastewater Extension
- Option 2**
 - Proposed 50,000 GPD On-site Wastewater Treatment Plant
 - Proposed 6" Discharge Line
 - Proposed Discharge Stream
- Major Road**
 - US Highway
 - State Highway



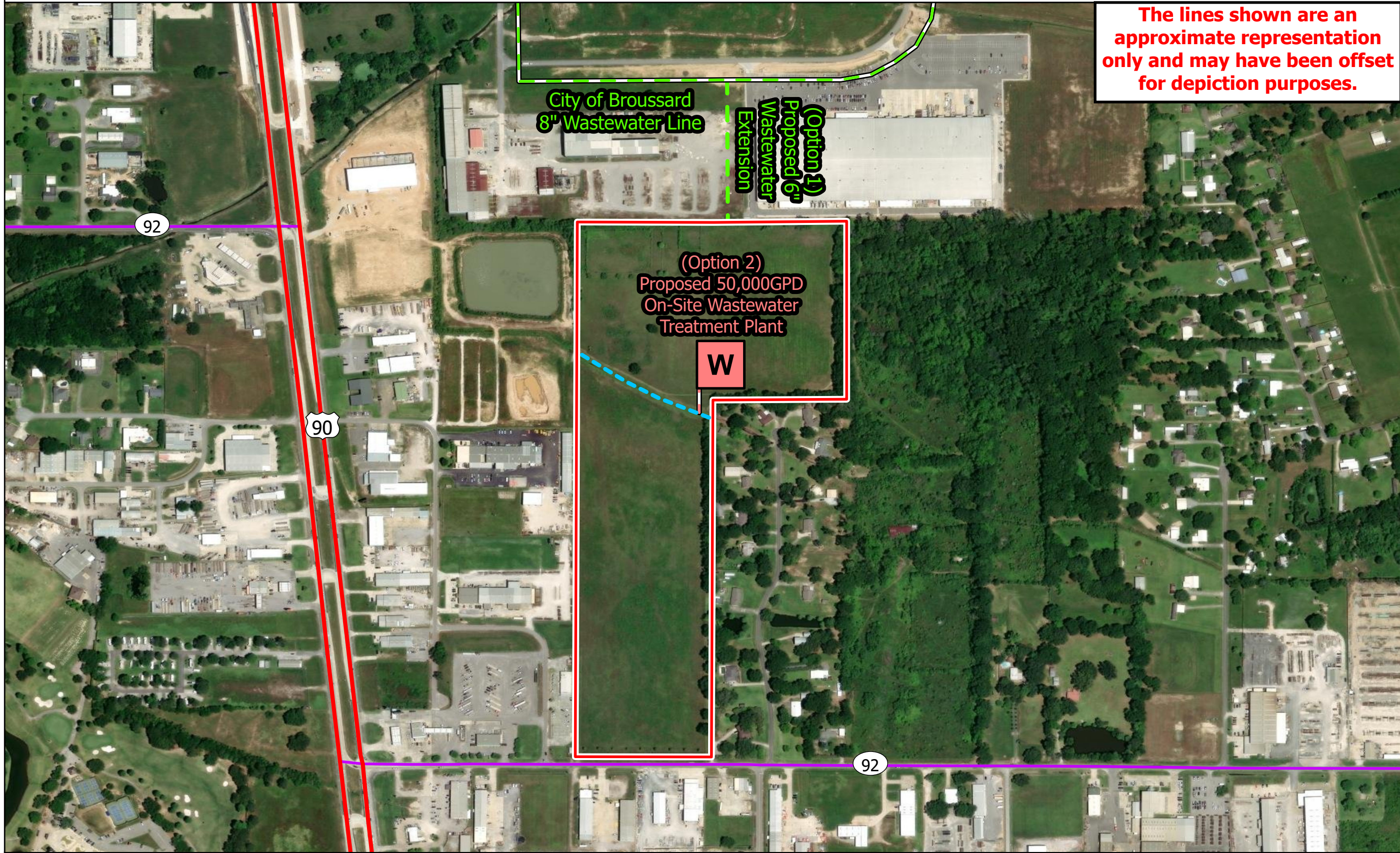
Date: 12/10/2024
Project Number: 214002
Drawn By: BMS
Checked By: EEB

The lines shown are an approximate representation only and may have been offset for depiction purposes.

City of Broussard
8" Wastewater Line
(Option 1)
Proposed 6"
Wastewater
Extension

(Option 2)
Proposed 50,000GPD
On-Site Wastewater
Treatment Plant

W



- 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 condition.
 - Utility information from visual inspection and/or the individual utility operators. Exact field location has not been determined by survey.
 - Utility data was derived and digitized from information provided by the City of Broussard.

CSRS



0 435 870
Feet

December 9, 2024

Ms. Megan Duhon
One Acadiana
322 Audubon Avenue
Thibodaux, Louisiana 70310

**Mouton Site
Wastewater Infrastructure
Upgrade Letter & Map**

RE: Mouton Site
Wastewater Infrastructure Upgrade Letter & Map
CSRS Project No 214002

Dear Ms. Duhon,

According to our utility research for the Mouton Site, there is existing public wastewater infrastructure available for the site, but more information will have to be obtained from the wastewater provider to determine the capacity of the wastewater line north of the site. Based on recent discussions with local utility providers and preliminary engineering estimates, there are two likely options to provide wastewater infrastructure to treat a minimum of 50,000 GPD in accordance with LED certification requirements.

- **Option 1:** Construct a new wastewater gravity line to connect to the existing City of Broussard wastewater gravity main north of site.
- **Option 2:** Construct a private on-site wastewater treatment facility.

Either of the two (2) options may be preferred for any future user of the site depending on the level of wastewater service required, ownership/maintenance responsibilities, construction schedule, and project effluent stream.

Option 1

The first option will be to connect to the existing City of Broussard 8-inch gravity line along Lake Talon Road. Option 1 will require constructing a new 800-foot 6-inch gravity line to connect to the existing 8-inch gravity line. The site is within the city limits of Broussard, but the city has not confirmed whether it will accrue any of the cost to provide wastewater service to site by upgrading their existing system.

Option 2

If the existing gravity line along Lake Talon Road does not have excess capacity, the second option would be to construct a private on-site wastewater treatment plant. The proposed wastewater treatment facility would have a total capacity of 50,000 GPD with no excess capacity. In addition to the treatment plant, a 100-foot 6-inch wastewater discharge line would be required to place the treated wastewater into a nearby outfall location. It is likely the treated wastewater could be discharged into the unnamed stream on the site that conveys water to LaSalle Coulee, Cypress Bayou, then ultimately the Vermillion-Teche River Basin.

The treatment requirements for the proposed wastewater treatment facility are based on LDEQ's Sanitary Wastewater General Permit for less than 100,000 GPD, and it is assumed only domestic sanitary waste will be treated at the proposed wastewater treatment facility. The monitoring data will consist of fecal coliform (limit 400 MPN/100mL), biochemical oxygen demand (BOD – limit 45mg/L), turbidity (TSS – 45mg/L), average flow through treatment facility (limit 50,000 GPD), pH (limit – 6 to 9). If a project will require to discharge anything other than domestic waste (i.e. industrial waste) into the proposed wastewater facility, treatment requirements and monitoring data will have to be altered.

Estimated Costs


Based on preliminary engineering estimates, Option 1 is estimated to cost approximately \$225,000.00, and Option 2 is estimated to cost \$653,125.00.

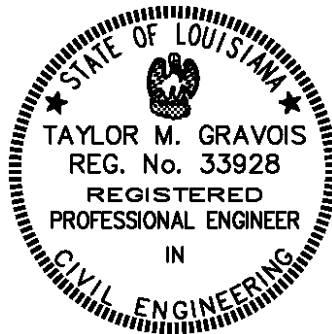
Please note these estimates do not include cost for engineering, requiring rights of way, environmental impacts, operating/maintaining infrastructure, or infrastructure to deliver waste to treatment facility. The cost estimates were prepared with the best information available at the time of certification. The actual costs can vary based on the availability of material, site conditions and labor availability. This plan can be executed within a reasonable timetable of 18 months or less based on preliminary engineering judgment.

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

**Mouton Site
Proposed Wastewater
Improvements**



12/9/2024

CONSTRUCTION COST - WASTEWATER

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	COST	TOTAL
Option 1					
1	6" Gravity Line	L.F.	800	\$125.00	\$100,000.00
2	Open Trench Excavation	L.F.	800	\$100.00	\$80,000.00
3	Contingency			25%	\$45,000.00
Total:					\$225,000.00
Option 2					
1	On-Site 50,000 GPD Wastewater Treatment Plant	Each	1	\$500,000.00	\$500,000.00
2	6" Wastewater Discharge Line	L.F.	100	\$125.00	\$12,500.00
3	Open Trench Excavation	L.F.	100	\$100.00	\$10,000.00
4	Contingency			25%	\$130,625.00
Total:					\$653,125.00

Note:

- 1) Costs for engineering, requiring rights of way, environmental impacts, operating/maintaining infrastructure, infrastructure to deliver waste to treatment facility, or to tie-in to existing infrastructure are not included.
- 2) If any waste other than domestic sanitary waste has to be treated, the treatment requirements and monitoring data will have to be altered.

Wastewater Utility Provider Questionnaire

(page 1 of 2)

Site Name:

CSRS Project ID:

Site Map 1

Site Map 2

Date:
Provider Name:
Address:
City:
State:

Zip Code:
Name:
Phone:
Email:
Title:

Is wastewater collection currently available at this site?	Yes	No	Is there a force main at or near the site?	Yes	No
What is the distance in feet to the closest wastewater collection line to service this site?					
What is the size (inches in diameter) of the nearest line?					
Does this line have enough excess capacity to allow an additional 175 gpm average daily flow?				Yes	No
NPDES permit number of sewer provider:					
What is the total capacity of the nearest lift station in gallons per day?					
What is the total capacity of the wastewater system in gallons per day?					
What is the current average daily use of the existing wastewater system in gallons per day?					
What is the peak load on the existing wastewater system in gallons per day?					
What is the excess capacity of the existing wastewater system in gallons per day?					

What are the pre-treatment requirements to discharge to the wastewater system? If lengthy, please provide a separate document.

Wastewater Utility Provider Questionnaire

(page 2 of 2)

Site Name:

CSRS Project ID:

Is a plan underway to improve services at or near this site within the next year? If so, please provide anticipated upgrades, location and time for implementation.

Please provide a map of existing utility assets near site. (click in area to insert image)