

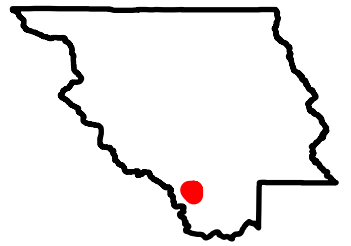
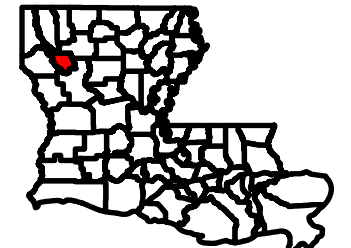
# Exhibit M: Red River Parish Port Site Wastewater Infrastructure Upgrade Letter & Map



# Red River Parish Port Site Wastewater Infrastructure Map

Site Exhibit for  
Red River Parish Port Site  
Red River Parish

## NLEP



## Legend

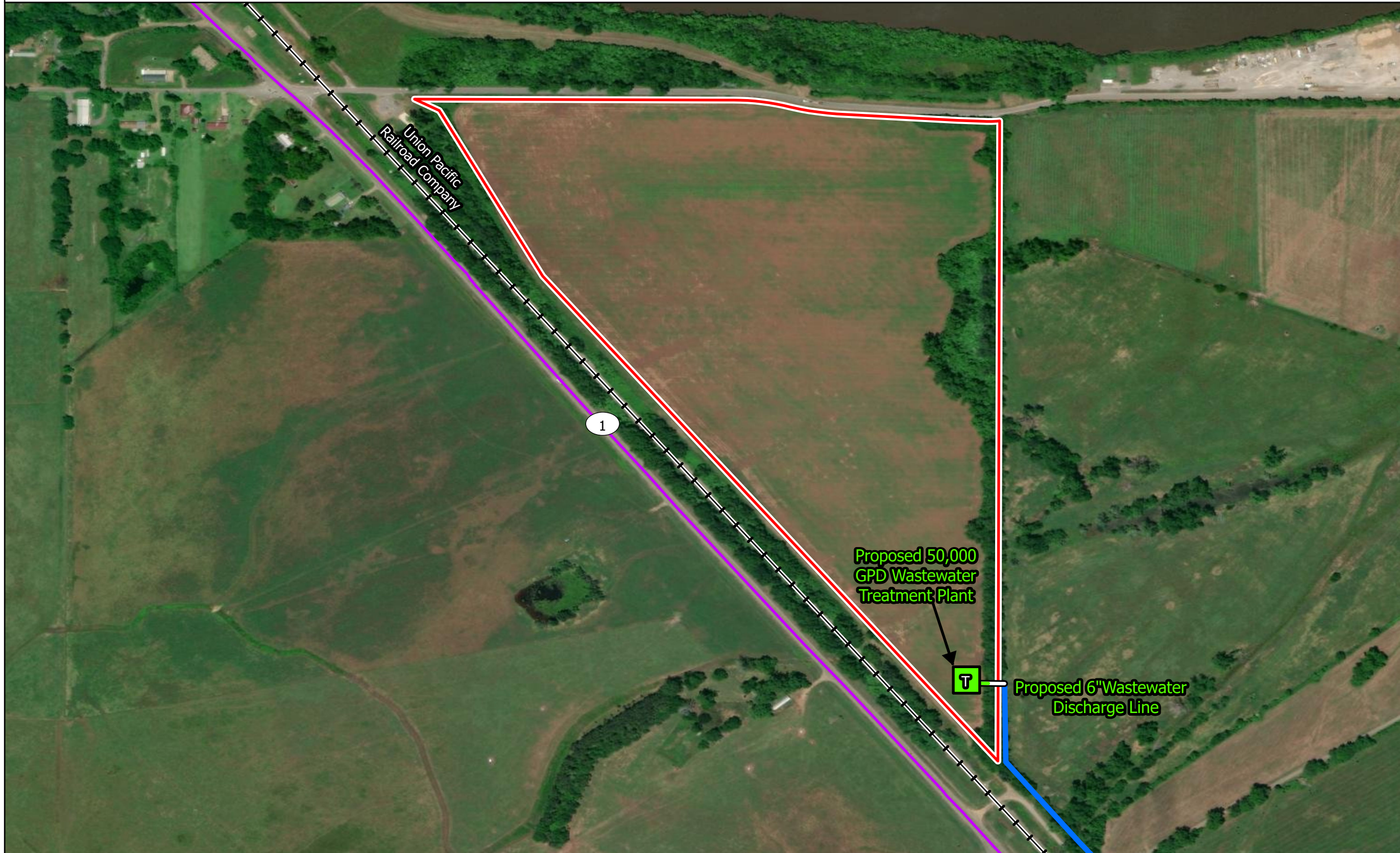
- Site Boundary**  
(±69.23 ac.)
- Proposed 50,000 GPD Wastewater Treatment Plant**
- Proposed 6" Wastewater Discharge Line**
- Proposed Discharge Stream**
- Major Road**
- US Highway**
- State Highway**
- Railroad**

## Major Road

- Interstate**
- US Highway**
- State Highway**
- Railroad**

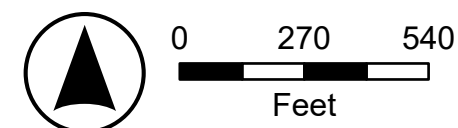


Date: 6/20/2024  
Project Number: 216269  
Drawn By: BMS  
Checked By: EEB



**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 condition.
5. Utility information from visual inspection and/or the individual utility operators. Exact field location has not been determined by survey. The lines shown are an approximate representation only and may have been offset for depiction purposes.



P:\216269\017 - Red River Parish Port\CAD\GIS\_templates\GIS\Red River Wastewater

June 23, 2024

Mrs. Sheena Bryant  
North Louisiana Economic Partnership  
333 Texas Street, Suite 411  
Shreveport, LA 71101

**Red River Parish Port Site  
Wastewater Infrastructure  
Upgrade Letter & Map**

**RE: Red River Parish Port Site  
Wastewater Infrastructure Upgrade Letter & Map  
CSRS Project No 216269**

Dear Mrs. Bryant,

According to our research, there is no existing wastewater infrastructure around the Red River Parish Port Site located in Red River Parish, Louisiana. To provide a wastewater infrastructure to treat 50,000 GPD, a wastewater treatment facility would need to be constructed on-site which would discharge to a drainage ditch approximately 100 feet east of the site before eventually making it into Bayou Pierre.

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, oil/grease, dissolved oxygen (DO), total ammonia (NH<sub>3</sub>N), turbidity (TSS), average flow through treatment facility (GPD), pH, and carbonaceous biochemical oxygen demand (CBOD). According to the LDEQ Water Quality Management Plan, the typical effluent limits for treated wastewater discharged to Bayou Pierre are 30 mg/l CBOD, 10 mg/l NH<sub>3</sub>N, and 5 mg/l DO. 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. The proposed wastewater treatment facility will have a total capacity of 50,000 GPD with a peak demand of approximately 50,000 GPD and no excess capacity.


The construction cost of this new wastewater treatment facility and discharge line is estimated to be \$308,000.

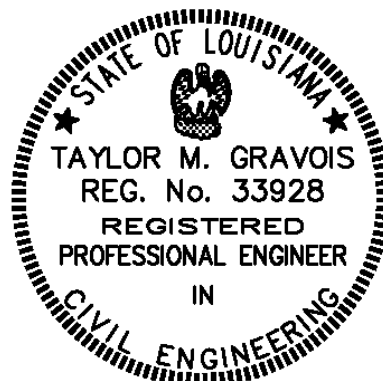
Please note this estimate does not include cost for engineering, requiring rights of way, environmental impacts, operating/maintaining infrastructure, or infrastructure to deliver waste to treatment facility. This cost estimate was prepared with the best information available at the time of certification. 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**

**Red River Parish Port Site  
On-Site Wastewater  
Treatment Facility  
50,000 GPD**



**6/23/2024**

**CONSTRUCTION COST - WASTEWATER**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	COST	TOTAL
1	On-Site 50,000 GPD Wastewater Treatment Plant	Each	1	\$300,000.00	\$300,000.00
2	6" Wastewater Discharge Line	L.F.	100	\$80.00	\$8,000.00
<b>Total:</b>					<b>\$308,000.00</b>

Note:

- 1) *Wastewater Cost Estimate assumes a 50,000 GPD on-site wastewater treatment facility with a 100-foot discharge line.*
- 2) *Costs for engineering, requiring rights of way, environmental impacts, operating/maintaining infrastructure, or infrastructure to deliver waste to treatment facility are not included.*
- 3) *If any waste other than domestic sanitary waste has to be treated, the treatment requirements and monitoring data will have to be altered.*