

# Exhibit I. Port of Columbia Site Wastewater Infrastructure Upgrade Letter & Map

July 14, 2015

Mr. Bruce Frazier  
Columbia Port Commission  
212 Jackson Street  
Columbia, LA 71418

Re. Port of Columbia Site Wastewater System Cost Estimate  
CSRS Job No. 215092

Dear Mr. Frazier:

According our research, the Port of Columbia Site located near Riverton Camp Road in Caldwell Parish, Louisiana has no existing wastewater infrastructure on site.

In order to provide a wastewater treatment facility to treat 250,000 gallons per day (GPD), a wastewater treatment facility would need to be constructed on site which would discharge to the Ouachita River south of the site.

Before the individual industry discharges to the proposed treatment facility, pretreatment requirements necessitate strengths less than or equal to 200 mg/L 5-day Biological Oxygen Demand (BOD) and 200 mg/L Total Suspended Solids. After treatment at the wastewater treatment facility, treated wastewater then may be discharged to the Ouachita River via a wastewater line constructed from the proposed treatment facility. Expected discharge limits of BOD<sub>5</sub>, TSS, NH<sub>3</sub>, and Phosphorous are 10/15/2/5 mg/L, respectively. Providing service for a total capacity of 250,000 GPD would yield a peak demand of approximately 250,000 GPD with no excess capacity.

The construction cost of this new wastewater treatment facility is estimated to be \$1,500,000.

Please note that these estimates do not include engineering, rights of way acquisition, environmental impacts and permitting or operation and maintenance costs. 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. Both plans can be executed within a reasonable timetable of 180 days based on preliminary engineering judgment.

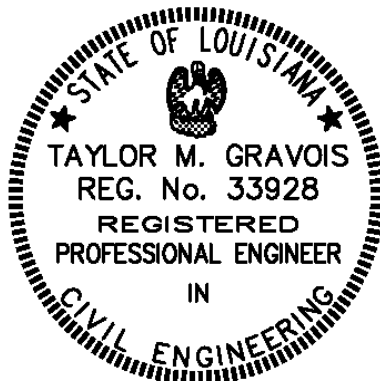
Thank you for the opportunity to assist you in this project. Should you have any questions or require additional information, feel free to contact me.

Sincerely,

CSRS, Inc.



Taylor M. Gravois, PE, PLS



# Exhibit I. Port of Columbia Site Wastewater Infrastructure Upgrade Letter & Map



Port of Columbia Site  
Wastewater Rough Order of Magnitude Cost Estimate

Rough Order of Magnitude Cost Estimate - 250,000 GPD Option					
Item No.	Description	Unit	Est. Quantity	Unit Price	Extension
1	250,000 gpd Advanced Secondary Wastewater Treatment Plant (10/15/2/5 Limits) with influent Pump Station, effluent Pump Station, levee crossing, and river discharge <sub>3</sub>	L.S.	1	\$1,250,000.00	\$1,250,000.00
<b>Subtotal <sub>1</sub>:</b>					<b>\$1,250,000.00</b>
<b>20% Contingency:</b>					<b>x 1.20</b>
<b>Rough Order of Magnitude (ROM)<sub>2,3</sub>:</b>					<b>\$1,500,000.00</b>

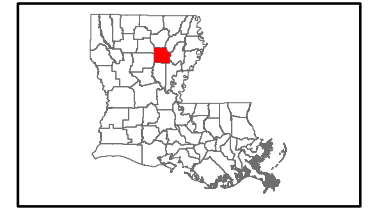
**Footnotes:**

- 1.) Does not include costs for engineering, permitting, or general project management.
- 2.) This cost estimate was prepared with the best information available at the time of certification. Actual costs can vary based on availability of material, site conditions, labor, final engineering design, and regulatory approvals.
- 3.) Wastewater Treatment Plant capacity based on LED required capacity of 250,000 GPD

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Proposed Wastewater Upgrade  
Port of Columbia Site  
Caldwell Parish, LA

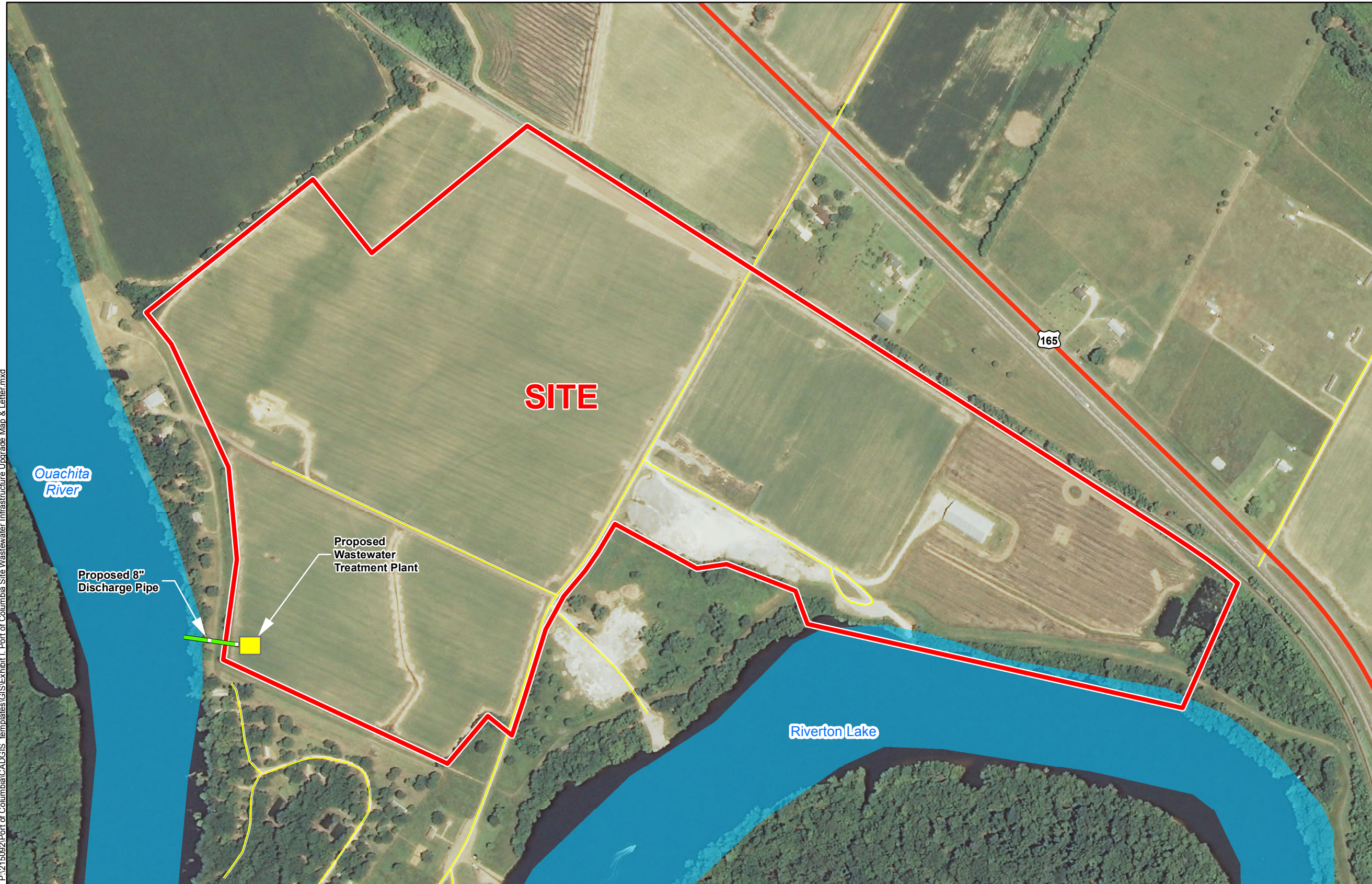
Columbia Port Commission



Caldwell Parish

**LEGEND**

- Site Boundary (171.37 Ac. +/-)
- Existing Roadway
- US Highway
- Local Roads
- Waterbody



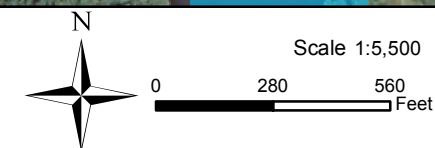
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**NELEA**

Date:	7/20/2015
Project Number:	215092
Drawn By:	AMB
Checked By:	JAY

- General Notes:
- 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 2013 TIGER datasets via U.S. Census Bureau at [ftp://ftp2.census.gov/geo/tiger/TIGER2013](http://ftp2.census.gov/geo/tiger/TIGER2013).
  - Proposed wastewater upgrade shown is for representational purposes only, depicting the intent of the cost estimate provided with this exhibit to meet LED minimum requirements, and is subject to revision.
  - 2013 aerial imagery from USDA-APFO National Agricultural Inventory Project (NAIP) and may not reflect current ground conditions.



**CSRS**  
IMAGINE SHAPE DELIVER

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