

# Exhibit I. Woodley Site Wastewater Infrastructure Upgrade Letter & Map



# Woodley Site Wastewater Infrastructure Upgrade Letter & Map



CSRS, INC.  
6767 Perkins Road, Suite 200  
Baton Rouge, Louisiana 70808

Phone: (225) 769-0546  
Fax: (225) 767-0060

June 24, 2016

Mr. Jim Cavanaugh  
Baton Rouge Area Chamber  
564 Laurel Street  
Baton Rouge, LA 70801

Re. Woodley Plantation Wastewater System Cost Estimate  
CSRS Job No. 212161.017

Dear Mr. Cavanaugh:

According our research, the Woodley Plantation Site located on Louisiana Highway 77 south of Livonia, Louisiana in Pointe Coupee 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 Bayou Grosse Tete.

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 Bayou Grosse Tete via a sewer force main line constructed from the proposed treatment facility. Expected discharge limits of BOD<sub>5</sub>, TSS, NH<sub>3</sub>, and Phosphorous are 10/15/1/5 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 and influent pump is estimated to be \$1,140,000 plus \$160,000 for an effluent pump station and discharge line to Bayou Grosse Tete yielding a total cost of \$1,300,000.

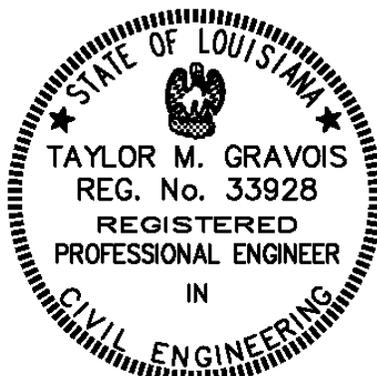
Please note that these estimates do not include engineering, rights of way acquisition, environmental impacts and permitting or operation and maintenance costs. This cost estimate was prepared with the best information available at the time of certification. The actual costs can vary based on the availability 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



# Woodley Site Wastewater Infrastructure Upgrade Letter & Map



Woodley Plantation Site  
Wastewater Cost Estimate  
Job No. 212161.017

Rough Order of Magnitude Cost Estimate						
Item No.	Description	Unit	Est. Quantity	Unit Price	Extension	
	250,000 gpd Advanced Secondary					
1	Wastewater Treatment Plant (10/15/1/5 Limits) with influent Pump Station <sub>4</sub>	L.S.	1	\$ 950,000.00	\$	950,000.00
2	175 gpm Duplex Effluent Pump Station	Each	1	\$ 75,000.00	\$	75,000.00
3	6" C900 PVC Effluent Force Main	L.F.	1,000	\$ 37.50	\$	37,500.00
4	6" DR11 HDPE Effluent Force Main (J&B)	L.F.	50	\$ 125.00	\$	6,250.00
5	Ductile Iron Fittings	Tons	1	\$ 8,850.00	\$	8,850.00
<b>Subtotal:</b>					<b>\$</b>	<b>1,077,600.00</b>
<b>20% Contingency<sub>1</sub>:</b>					<b>x 1.20</b>	
<b>Rough Order of Magnitude (ROM):</b>					<b>\$</b>	<b>1,300,000.00</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.
- 3.) Actual costs can vary based on availability of material, site conditions, and labor.
- 4.) Wastewater Treatment Plant capacity based on LED required capacity of 250,000 gpd

# Woodley Site Wastewater Infrastructure Upgrade Letter & Map

Proposed Wastewater Upgrade  
Woodley Site  
Pointe Coupee Parish, LA

BRAC



Pointe Coupee Parish

### LEGEND

- Site Boundary (341.42 Ac. +/-)
- Existing Roadway**
  - Urban State Highway
  - Rural State Highway
  - Local Roads
- Existing Railroad
- Stream



P:\212161\Sites Under Contract\017 - Woodley Plantation\CAD\GIS templates\GIS\Exhibit I - Woodley Plantation Site Wastewater Infrastructure Upgrade Map & Letter.mxd

#### General Notes:

1. 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.
2. 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).
3. 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.
4. 2015 aerial imagery from USDA-APFO National Agricultural Inventory Project (NAIP) and may not reflect current ground conditions.



Date:	6/23/2016
Project Number:	212161
Drawn By:	AMB
Checked By:	JAY



6767 Perkins Road Suite 200 Baton Rouge, LA 70808  
Telephone: 225 769-0546 Fax: 225 767-0060  
[www.csrsonline.com](http://www.csrsonline.com)