Calhoun Technology Park - South Site Wastewater Infrastructure Upgrade Letter & Map

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

Legend:
- Site Boundary
- Proposed 250,000 GPD Wastewater Treatment Plant (Limits 10/10/1/5)
- Proposed 6" Wastewater Line
- Existing Roadway
  - US Highway
  - Local Roads
  - Railroad

Date: 2/20/2019
Project Number: 216269
Drawn By: DWC
Checked By: TMK

Scale: 1:5,000

P:\216269\005 - Calhoun Sites\Calhoun South Site\CADGIS_templates\GIS\Exhibit K. Calhoun Technology Park - South Site Wastewater Infrastructure Map.mxd
February 20, 2019

Ms. Liz Pierre  
North Louisiana Economic Partnership  
333 Texas Street, Suite 411  
Shreveport, Louisiana 71101

Re: Calhoun Technology Park- South Site Wastewater System Cost Estimate  
CSRS Job No. 216269

Dear Ms. Pierre:

According our research, the Calhoun Technology Park - South Site located along Highway 80 in Ouachita 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.

In March 2017 Lazenby & Associates created a sample layout and cost estimate detailing the cost to perform the engineering work needed for construction of the system as well and the cost of constructing the system itself the proposed on-site treatment plant would discharge through a 6-inch 2,424-foot pipe into to North Cheniere Creek. Expected discharge limits of BOD5, TSS, NH3, and Phosphorous are 10/15/1/5 mg/L, respectively. The construction of this new wastewater treatment facility plus the cost for an effluent pump station and discharge line to North Cheniere Creek is estimated to be $1,275,000.

This 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. These 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.

[Signature]

Taylor M. Gravois, PE, PLS
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>250,000 GPD Advanced Secondary Wastewater Treatment Plant (10/15/1/5 Limits) with influent Pump Station</td>
<td>L.S.</td>
<td>1</td>
<td>$950,000.00</td>
<td>$950,000.00</td>
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<tr>
<td>2</td>
<td>6&quot; C900 PVC Effluent Force Main</td>
<td>L.F.</td>
<td>2,424</td>
<td>$37.50</td>
<td>$90,900.00</td>
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<td>3</td>
<td>Ductile Iron Fittings</td>
<td>Tons</td>
<td>2</td>
<td>$8,850.00</td>
<td>$17,700.00</td>
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<td><strong>Subtotal:</strong></td>
<td></td>
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<td><strong>$1,058,600.00</strong></td>
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20% Contingency: x 1.20

Rough Order of Magnitude (ROM): $1,275,000.00

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
5.) Cost estimate based off of layout and cost estimate provided by L&A, Inc. dated March 24, 2017
Estimate of Probable Project Costs
Calhoun Technology Park - South
Sewer Facility
Ouachita Parish Police Jury
L&A, Inc. Project No. 13E028.04

Engineer’s Estimate - March 24, 2017

<table>
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<tr>
<th>Item No.</th>
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<th>Unit</th>
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<td>Alignment &amp; Topographic Survey</td>
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<td>Lump Sum</td>
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<td>3</td>
<td>Preliminary &amp; Final Plans &amp; Permitting</td>
<td>100%</td>
<td>Lump Sum</td>
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<td>Bidding &amp; Contract Documents</td>
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<td>Lump Sum</td>
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<td>Inspection</td>
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<td>Construction Layout</td>
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<td>As-Built Plans</td>
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Estimated Engineering Costs: $318,000.00

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<td>PVC Pipe (12” Diameter Gravity) (Open Cut)</td>
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<td>Lin. Ft.</td>
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<td>Manhole (6'-8' Depth)</td>
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<td>Each</td>
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<td>Sequencing Batch Reactor Treatment Plant</td>
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<td>Lump Sum</td>
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Estimated Construction Costs: $2,203,750.00

Total Estimated Project Cost: $2,521,750.00