

Exhibit I. Beauregard Airport Industrial Site Wastewater Infrastructure Upgrade Letter & Map



Beauregard Airport Industrial 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

October 12, 2016

Mrs. Avon Knowlton
SWLA Economic Development Alliance
4310 Ryan Street
Lake Charles, LA 70602

Re. Beauregard Airport Industrial Site Wastewater System Cost Estimate
CSRS Job No.214135

Dear Mrs. Knowlton:

According our research, the Beauregard Airport Industrial Site located in Beauregard Parish, Louisiana has no existing wastewater infrastructure on site.

One option would be to discharge into an existing City of DeRidder force main. An 8" City of DeRidder force main exists approximately 7,028 feet east of the site. According to correspondence with local utility officials, the existing system has sufficient excess capacity to service an industrial prospect. In order to tie in to the existing force main, a new force main would need to be constructed along Holiday Creek Road. The construction cost of this line is estimated to range from \$500,000 to \$575,000. This method would require negotiating an agreement with the City of DeRidder to connect to their facility and several crossing agreements to cross Old Airport Rd and Blankenship Drive.

The second option would be to construct a wastewater treatment facility on site which would discharge to Brushy Branch Creek. Before the individual industry discharges to the proposed treatment facility, pretreatment requirements must be determined by Louisiana Department of Environmental Quality. After treatment at the wastewater treatment facility, treated wastewater then may be discharged to Brushy Branch Creek via a wastewater line constructed from the proposed treatment facility. Expected discharge limits of BOD₅, TSS, NH₃, and Phosphorous are seasonal and will be determined by Louisiana Department of Environmental Quality. 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 \$1,250,000.

Please note that this estimate does 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 6 months based on preliminary engineering judgment.



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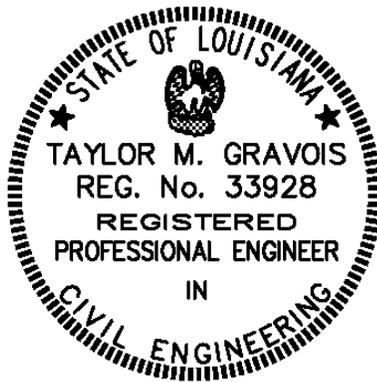
Thank you for the opportunity to assist you in this project. Should you have any questions or require additional information, feel free to contact me.

Sincerely,

CSRS, Inc.

A handwritten signature in blue ink that reads 'Taylor M. Gravois'. The signature is fluid and cursive, with a long horizontal stroke at the end.

Taylor M. Gravois, PE, PLS



Beauregard Airport Industrial Site
Wastewater Cost Estimate
Job No. 214135

Rough Order of Magnitude Cost Estimate - Option 1: Pump Station and Force Main for 250,000 GPD						
Item No.	Description	Unit	Est. Quantity	Unit Price	Extension	
1a	175 gpm Influent Pump Station ₅	Each	1	\$ 75,000.00	\$	75,000.00
1b	325 gpm Effluent Pump Station ₅	Each	1	\$ 150,000.00	\$	150,000.00
2	6" C900 PVC Effluent Force Main	L.F.	7,028	\$ 37.50	\$	263,550.00
3	6" DR11 HDPE Effluent Force Main (Jack & Bore)	L.F.	90	\$ 125.00	\$	11,250.00
4	Force Main Connection to Existing Force Main	Each	1	\$ 6,540.00	\$	6,540.00
5	Ductile Iron Fittings	Tons	2	\$ 8,850.00	\$	17,700.00
6	Air Release Valve for Force Main	Each	7	\$ 4,100.00	\$	28,700.00
Subtotal:						\$ 402,740.00 to \$477,740.00

20% Contingency₁: x 1.20

Rough Order of Magnitude (ROM):	\$500,000.00 to \$575,000.00
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Rough Order of Magnitude Cost Estimate - Option 2: On-site Wastewater Treatment Plant						
Item No.	Description	Unit	Est. Quantity	Unit Price	Extension	
1	On-site Wastewater Treatment Plant for 250,000 gpd capacity ₄	Each	1	\$ 1,000,000.00	\$	1,000,000.00
2	Ductile Iron Fittings	Tons	1	\$ 8,850.00	\$	8,850.00
3	6" C900 PVC Effluent Force Main	L.F.	500	\$ 37.50	\$	18,750.00
Subtotal:					\$	1,027,600.00

20% Contingency₁: x 1.20

Rough Order of Magnitude (ROM):	\$ 1,250,000.00
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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.) Price for pump station will vary based on required capacity.

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Proposed Wastewater Upgrade
Beauregard Airport Industrial Site
Beauregard Parish, LA

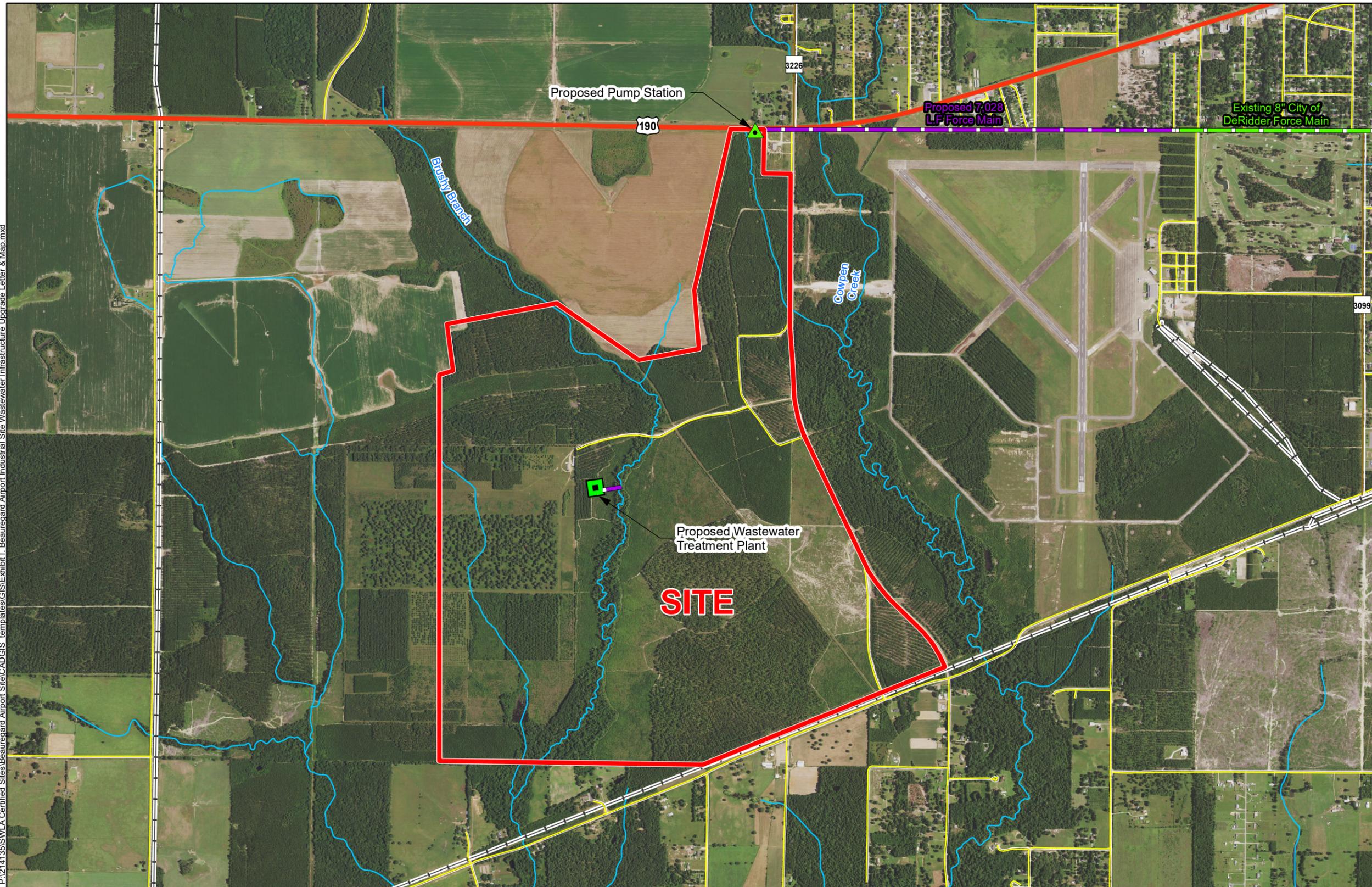
SWLA EDA



Beauregard Parish

LEGEND

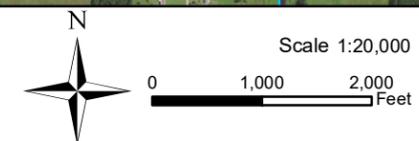
- Site Boundary (1187.59 Ac ±)
- Existing Wastewater Utilities**
- Existing 8" City of DeRidder Force Main
- Proposed Wastewater Utilities**
- Proposed Force Main
- Existing Roadway**
- US Highway
- Rural State Highway
- Local Roads
- Railroad



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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>.
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: 10/12/2016
Project Number: 214135
Drawn By: TMK
Checked By: JAY



Beauregard Airport Industrial Site Wastewater Infrastructure Upgrade Letter & Map

From: Benny Sylvest
To: [Kaltakjian, Talene](#)
Subject: Re: Beauregard Airport Site
Date: Monday, July 18, 2016 6:49:34 AM

Yes this is correct

From: [Kaltakjian, Talene](#)
Sent: Friday, July 15, 2016 9:31 AM
To: bennywwtp@cityofderidder.org
Subject: Beauregard Airport Site

Benny,

Please send the pretreatment requirements to discharge into the City of Deridder Wastewater System to:

Talene Kaltakjian
6767 Perkins Road Suite 200
Baton Rouge, LA 70808

Also, I just want to conform that the 8" force main ending at Blankenship Dr. and PW West Dr. can handle an additional 175 gpm average daily flow. Please let me know if this is correct.



Talene Kaltakjian

Engineer Intern I

Direct. (225) 923-7190 **Cell. Main.** (225) 769-0546 **Ext.** 299 **Fax.** (225) 767-0060

6767 Perkins Road, Suite 200, Baton Rouge, La 70808 | kaltakjian@csrsonline.com | www.csrsonline.com

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