

Exhibit X. Blue Andrus Property FEMA 100 Year Flood Plain Fill Letter & Map



Blue Andrus Property FEMA 100 Year Flood Plain Fill Letter & Map

Blue Andrus Property
St. Landry Parish, LA

One Acadiana



St. Landry Parish

LEGEND

- Site Boundary
- Area Requiring Fill (14.70 Ac.)
- Ground Elevation Contours
- Base Flood Determination
- Flood Zone**
 - A (100-year with no Base Flood Elevation)
 - X (area outside of 100-year)
- Existing Roadway**
 - Interstate
 - Local Roads
 - Stream

Site Details

Appx. Site Size: 45.773 Ac. ±
Area in 1% Flood Zone: 10.213 Ac. ±



Date:	8/22/2018
Project Number:	214002
Drawn By:	DWC
Checked By:	TMK



6767 Perkins Road Suite 200 Baton Rouge, LA 70808
Telephone: 225 769-0546 Fax: 225 767-0060
www.csrsone.com

P:\214002\One Acadiana Certified Sites\Blue Andrus Property\Grand Coteau\GIS\CAD\GIS templates\GIS\Exhibit X-Blue Andrus Site FEMA 100 Year Flood Plain Fill Letter & Map.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>.
3. 2015 aerial imagery from USDA-APFO National Agricultural Inventory Project (NAIP) and may not reflect current ground conditions.
4. Effective FIRM Flood data provided by FEMA Flood Map Service Center (msc.fema.gov), FIRM panel no. 22097C0500D effective on August 05, 2010.



Scale 1:4,000

0 210 420 Feet

Blue Andrus Property FEMA 100 Year Flood Plain Fill Letter



CSRS, INC.
6767 Perkins Road, Suite 200
Baton Rouge, Louisiana 70808
Phone: (225) 769-0546
Fax: (225) 767-0060

August 22, 2018

Mr. Zach Hager
One Acadiana
804 East St. Mary Boulevard
Lafayette, LA 70503

Re: Blue Andrus Property Fill Letter
CSRS Job No.214002

Dear Mr. Hager:

According to the FEMA Digital Flood Insurance Rate Map (DFIRM) panel no. 22097C0500D effective August 05, 2010, the Blue Andrus Property in St. Landry Parish is located in Flood Zone "A" (no base flood elevations determined). A BFE determination was requested and it was determined the portion of the site within the flood zone has a BFE elevation of 46 feet. The LiDAR contours downloaded from LSU's ATLAS site indicate that the site ranges in elevation from 29 feet to 47 feet, however, the majority of the developable property on the site is at elevation 46 feet.

In order to raise the remainder of the site to the BFE of 46 feet, approximately 8,970 cubic yards of in-place select fill will be required, thus bringing the site to an elevation of 46 feet. The estimated construction cost for importing select fill embankment is \$152,000 and \$66,000 for suitable embankment material excavated on-site.

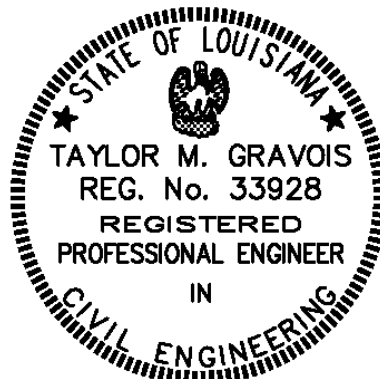
Please note this estimate does not include engineering, required rights of way, environmental impacts, or operation and maintenance costs. This cost estimate was prepared with the best information available at the time of certification. The actual costs can vary based on the availability of material, site conditions and labor availability. This plan can be executed within a reasonable timetable of 180 days or less 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



Blue Andrus Property
 Fill Cost Estimate Job
 No. 214002

Rough Order of Magnitude Cost Estimate						
Item No.	Description	Unit	Est. Quantity	Unit Price	Extension	
1	Raising Buildable area using Off-Site fill ₅	C.Y.	8,970	\$ 14.00	\$	125,580.00
Subtotal:					\$	125,580.00

20% Contingency₁: **x 1.20**

Rough Order of Magnitude (ROM):				\$	152,000.00	
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Rough Order of Magnitude Cost Estimate						
Item No.	Description	Unit	Est. Quantity	Unit Price	Extension	
1	Raising Buildable area using On-Site fill ₆	C.Y.	8,970	\$ 6.00	\$	53,820.00
Subtotal:					\$	53,820.00

20% Contingency₁: **x 1.20**

Rough Order of Magnitude (ROM):				\$	66,000.00	
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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.) Fill determination based off BFE determination on property.
- 5.) The off site fill option is the amount of fill that will need to be imported to raise the 32.60 Ac. buildable area up to the BFE elevation of 46 feet.
- 6.) The on site fill option is based on the excavated fill needed to raise the 32.60 Ac. buildable area up to the BFE elevation of 46 feet. This fill can be acquired by creating a 1.5 acre retention pond on site.