

WRRDA 7001 Submissions Package
U.S. Army Corps of Engineers

Proposal Name: East Fork Little Bogue Falaya Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: 1965cf7f-ec39-46af-ae5e-ee9a4a70c71f

Purpose of Proposal: East Fork of the Little Bogue Falaya Detention Pond would consist of roughly 37 acres and could provide roughly 370 acre-ft of storm water detention. The purpose of this project would be to strategically locate a pond within the Tchefuncte River Basin along the other regional detention ponds to reduce the frequency of downstream flooding.

1. Administrative Details

Proposal Name: East Fork Little Bogue Falaya Detention Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: 1965cf7f-ec39-46af-ae5e-ee9a4a70c71f

Supporting Documents

File Name	Date Uploaded
East Fork Little Bogue Falaya Dentention Support Letter.pdf	09/19/2016
East Fork Little Bogue Falaya Detention Pond Maps.pdf	09/19/2016
East Fork Little Bogue Falaya Detention Cost.pdf	09/19/2016

2. Provide the name of the primary sponsor and all non-Federal interests that have contributed or are expected to contribute toward the non-Federal share of the proposed feasibility study or modification.

Sponsor	Letter of Support
St. Tammany Parish Government(Primary)	The St. Tammany Parish Administration is in full support of this project and will provide all necessary resources to ensure that it is completed.

3. State if this proposal is for a feasibility study, a modification to an authorized USACE feasibility study or a modification to an authorized USACE project. If it is a proposal for a modification, provide the authorized water resources development feasibility study or project name.

Feasibility Study

4. Clearly articulate the specific project purpose(s) of the proposed study or modification. Demonstrate that the proposal is related to USACE mission and authorities and specifically address why additional or new authorization is needed.

East Fork of the Little Bogue Falaya Detention Pond would consist of roughly 37 acres and could provide roughly 370 acre-ft of storm water detention. The purpose of this project would be to strategically locate a pond within the Tchefuncte River Basin along the other regional detention ponds to reduce the frequency of downstream flooding.

5. To the extent practicable, provide an estimate of the total cost, and the Federal and non-Federal share of those costs, of the proposed study and, separately, an estimate of the cost of construction or modification.

	Federal	Non-Federal	Total
Study	\$646,600	\$0	\$646,600
Construction	\$6,465,996	\$0	\$6,465,996

Explanation (if necessary)

The project construction cost will be \$6,465,996. The soft cost (engineering, permitting, etc.) is \$2,850,579. The total cost is \$9,316,575. The estimated Federal study cost is 10% of the total construction cost for a total of \$646,600.

6. To the extent practicable, describe the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.

The area benefiting from the East Fork of the Little Bogue Falaya Detention Pond has had a total of \$5,791,706 of flood claims since 2001. The average total flood claim for each event is \$131,176. The construction of the pond will benefit a total of 1,296 structures. The pond will increase the resiliency of the area and enhance the resident's quality of life. It will also reduce the amount of work days that are missed due to storm related clean-up.

7. Does local support exist? If 'Yes', describe the local support for the proposal.

Yes

Local Support Description

The St. Tammany Parish Administration is in full support of this project and will provide all necessary resources to ensure that it is completed.

8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?

Yes

Primary Sponsor Letter of Support

(As uploaded)

East Fork Little Bogue Falaya Dentention Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: East Fork Little Bogue Falaya Detention Pond

Dear Sir/Madam:

On behalf of St. Tammany Parish, I am pleased to submit East Fork Little Bogue Falaya Detention Pond project for consideration under WRRDA and hereby request funding assistance from United States Army Corps of Engineers.

The East Fork of Little Bogue Falaya pond is intended to reduce the downstream water surface elevations by providing headwater hold-up. Construction of the pond is intended to minimize additional flooding in an area that is experiencing a very large and intense land development.

The project will consist of roughly 37 acres and could provide roughly 370 acre-ft of storm water detention. This project is strategically located within the Tchefuncte River Basin along the other regional detention ponds to reduce the frequency of downstream flooding.

Sincerely,

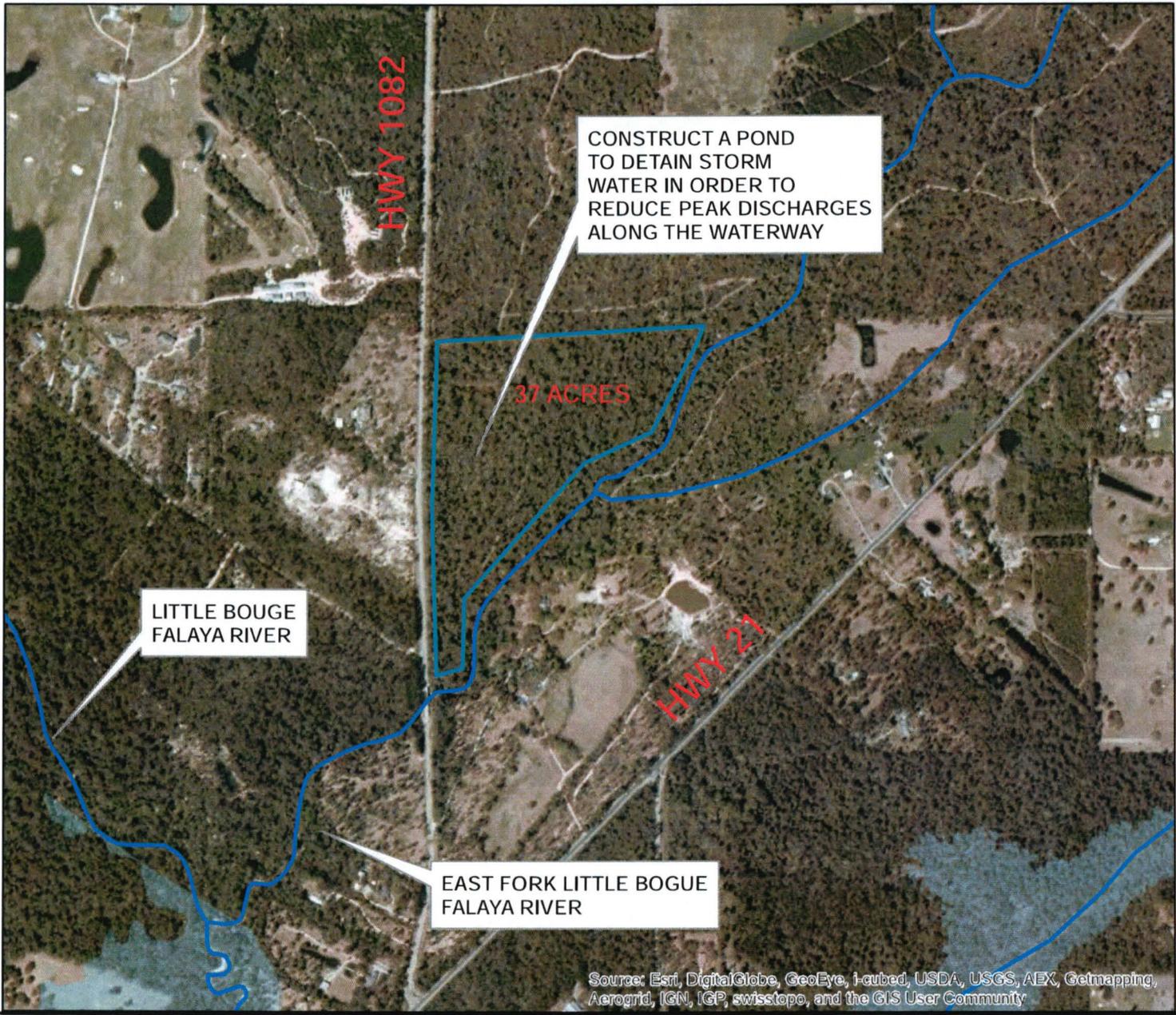
A handwritten signature in blue ink that reads "Patricia P. Brister".

Patricia P. Brister
Parish President

Map Document

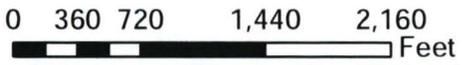
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East Fork Little Bogue Falaya Detention Pond Maps.pdf



Legend

-  St. Tammany Parish Waterways
-  Storm Water Ponds
-  Critical_Drainage_Areas
-  Floodzones_AE



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



STORM WATER POND- EAST FORK LITTLE BOGUE FALAYA RIVER

ST. TAMMANY PARISH WATERSHED STUDY



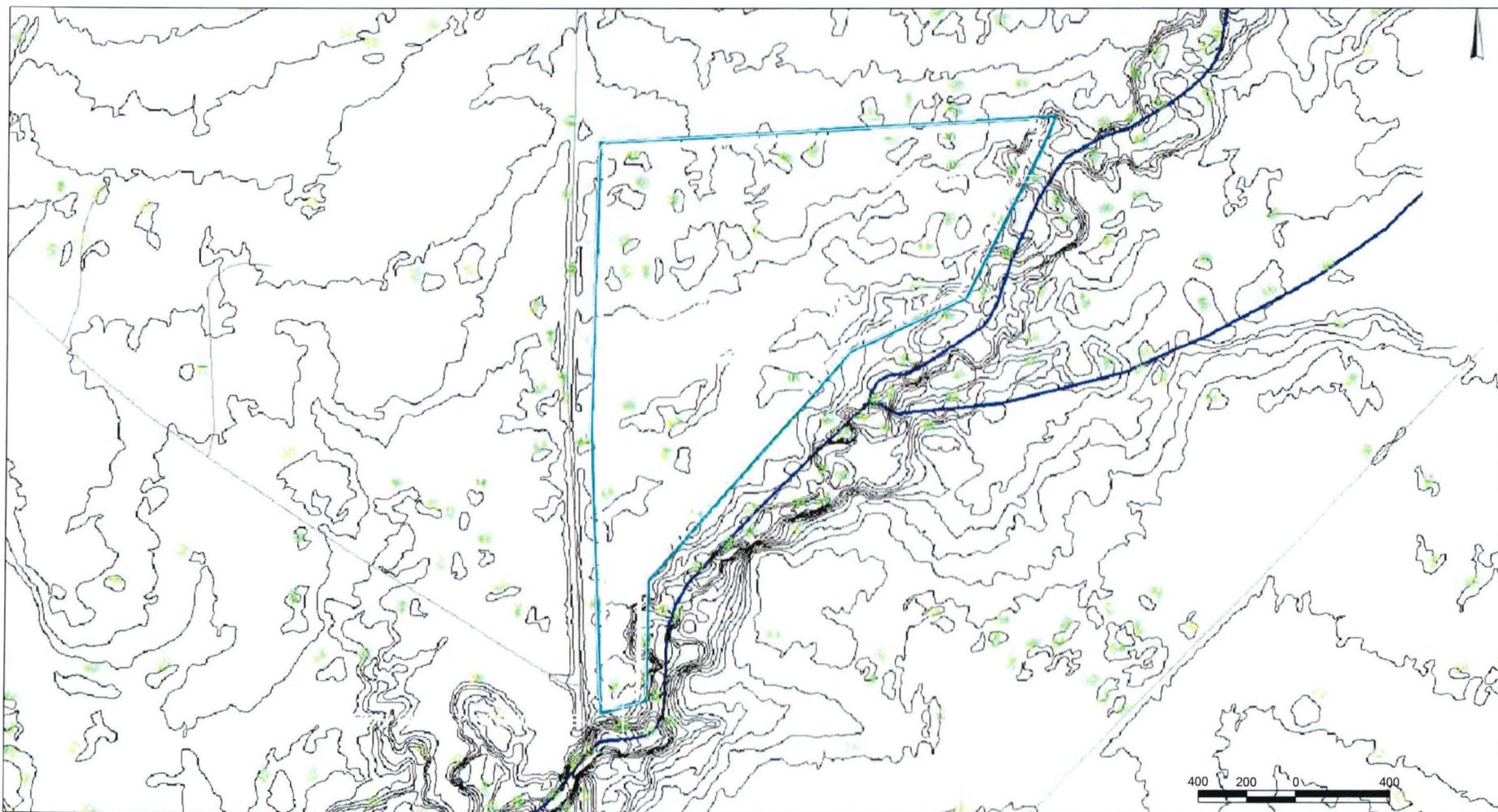
TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

ST. TAMMANY PARISH WATER QUALITY MANAGEMENT STUDY
 COASTAL PROTECTION AND RESTORATION AUTHORITY

ST. TAMMANY PARISH, LOUISIANA



DATE:
12-1-2014
St. Tammany Parish Watershed
Study
FIGURE:



DATE: 12-1-2014
St. Tammany Parish Watershed Study
FIGURE:

TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

ST. TAMMANY PARISH WATER QUALITY MANAGEMENT STUDY
COASTAL PROTECTION AND RESTORATION AUTHORITY

ST. TAMMANY PARISH, LOUISIANA



Additional Proposal Information

(This is as uploaded, a blank page will show if nothing was submitted)

East Fork Little Bogue Falaya Detention Cost.pdf

Project: East Fork Little Bogue Falaya Detention Pond

Waterway: Little Bogue Falaya
 Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$320,000	\$320,000
Land Clearing	AC	37	\$5,000	\$185,000
Excavation	CY	596,933	\$8	\$4,775,467
Inlet Structure & Outlet Structure	EA	2	\$20,000	\$40,000
Erosion Control	LS	1	\$30,000	\$30,000
Sod Side Slopes	SF	302,851	\$0.75	\$227,138
Piping	LF	150	\$300	\$45,000
			Subtotal	\$5,622,605
			15% Contingency	\$843,391
			Subtotal	\$6,465,996

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$646,600	\$646,600
Permitting/Misc. Expense/Reimbursement	LS	1	\$30,000	\$30,000
Drainage Study & Surveying for Study	LS	1	\$150,000	\$150,000
Construction Inspection	LS	1	\$193,980	\$193,980
Land Acquisition	AC	37	\$40,000	\$1,480,000
Mitigation	AC	10	\$35,000	\$350,000
			Subtotal	\$2,850,579
			Grand Total	\$9,316,575