

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

Proposal Name: Little Bogue Falaya Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: 1b2c88fb-6b46-454f-846a-a88f37d6d1b4

Purpose of Proposal: Little Bogue Falaya Detention Pond would consist of roughly 72 acre detention pond providing roughly 570 acre-ft of storm water detention. This project is intended to provide similar benefits as the east fork of the Little Bogue Falaya project.

*1. Administrative Details*

**Proposal Name: Little Bogue Falaya Detention Pond**

**by Agency: St. Tammany Parish Government**

**Locations: LA**

**Date Submitted: 09/19/2016**

**Confirmation Number: 1b2c88fb-6b46-454f-846a-a88f37d6d1b4**

*Supporting Documents*

<b>File Name</b>	<b>Date Uploaded</b>
Little Bogue Falaya Dentention Pond Support Letter.pdf	09/19/2016
Little Bogue Falaya Detention Pond Cost.pdf	09/19/2016
Little Bogue Falaya Detention Pond Map.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.***

Little Bogue Falaya Detention Pond would consist of roughly 72 acre detention pond providing roughly 570 acre-ft of storm water detention. This project is intended to provide similar benefits as the east fork of the Little Bogue Falaya project.

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
<b>Study</b>	\$978,184	\$0	\$978,184
<b>Construction</b>	\$9,781,843	\$0	\$9,781,843

**Explanation (if necessary)**

The project construction cost will be \$9,781,843. The soft cost (engineering, permitting, etc.) is \$4,681,640. The total cost is \$14,463,483. The estimated Federal study cost is 10% of the total construction cost for a total of \$1,978,184.

***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 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)

**Little Bogue Falaya Dentention Pond Support Letter.pdf**



## ST. TAMMANY PARISH

PATRICIA P. BRISTER  
PARISH PRESIDENT

September 9, 2016

### **Re: Little Bogue Falaya Detention Pond**

Dear Sir/Madam:

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

The 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 72 acre detention pond providing roughly 570 acre-ft of storm water detention. This project is intended to provide similar and benefit as the East Fork of the Little Bogue Falaya project.

Sincerely,

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

Patricia P. Brister  
Parish President

# Additional Proposal Information

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

**Little Bogue Falaya Detention Pond Cost.pdf**

Project: Little Bogue Falaya Detention Pond

Waterway: Little Bogue Falaya

Project Type: Storm Water Pond

<b>Construction Funding</b>				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$455,000	\$455,000
Land Clearing	AC	72	\$5,000	\$360,000
Excavation	CY	929,280	\$8	\$7,434,240
Outlet Structure	EA	1	\$20,000	\$20,000
Erosion Control	LS	1	\$25,000	\$25,000
Sod Side Slopes	SF	242,281	\$0.75	\$181,711
Piping	LF	100	\$300	\$30,000
			Subtotal	\$8,505,951
			15% Contingency	\$1,275,893
			Subtotal	\$9,781,843

<b>Soft Cost</b>				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$978,184	\$978,184
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	\$293,455	\$293,455
Land Acquisition	AC	72	\$40,000	\$2,880,000
Mitigation	AC	10	\$35,000	\$350,000
			Subtotal	\$4,681,640
			Grand Total	\$14,463,483

# Map Document

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

## Little Bogue Falaya Detention Pond Map.pdf



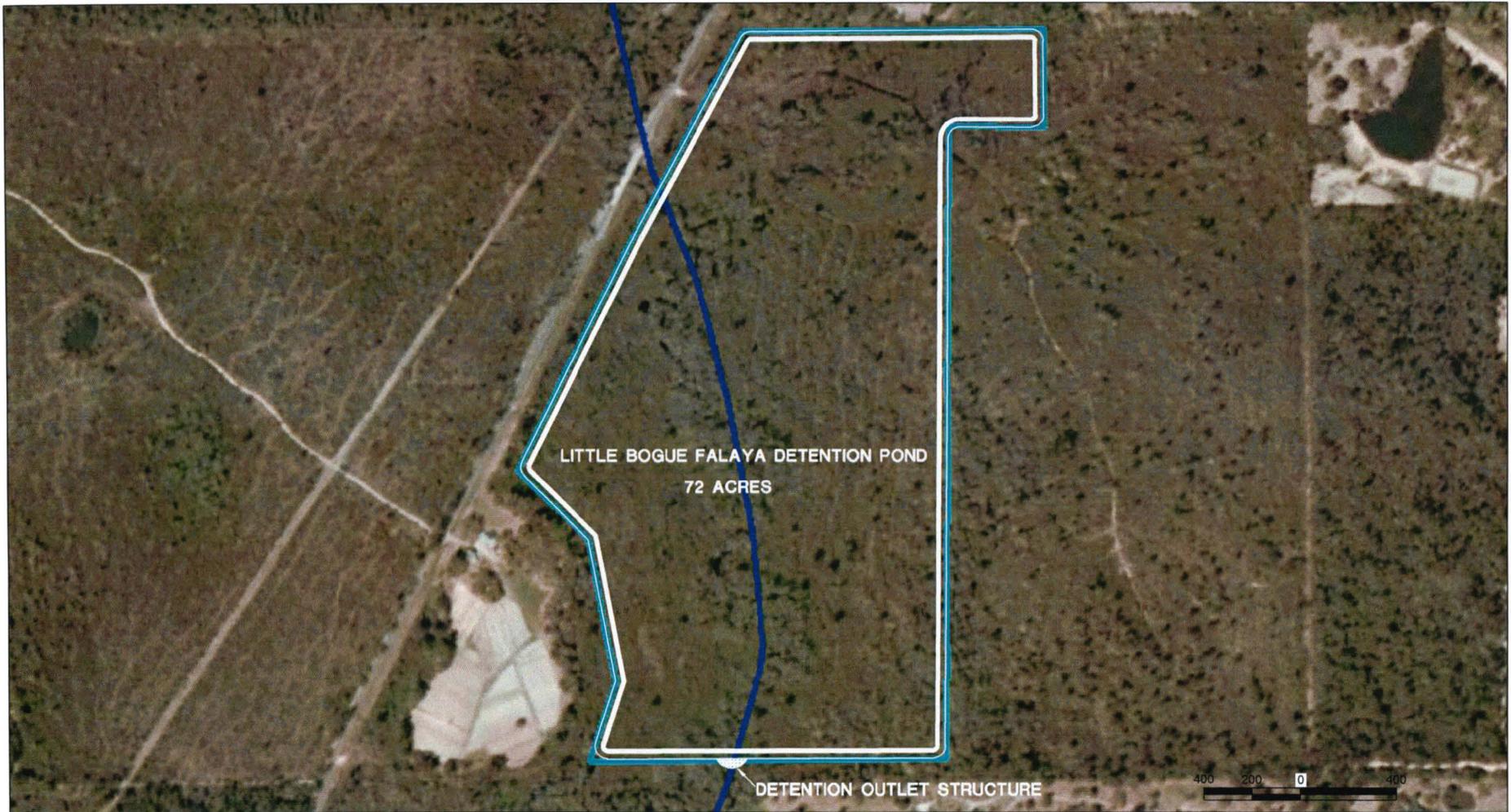
**Legend**

-  St. Tammany Parish Waterways
-  Storm Water Ponds
-  Critical\_Drainage\_Areas
-  Floodzones\_AE



# STORM WATER POND- LITTLE BOGUE FALAYA RIVER

ST. TAMMANY PARISH WATERSHED STUDY



## TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

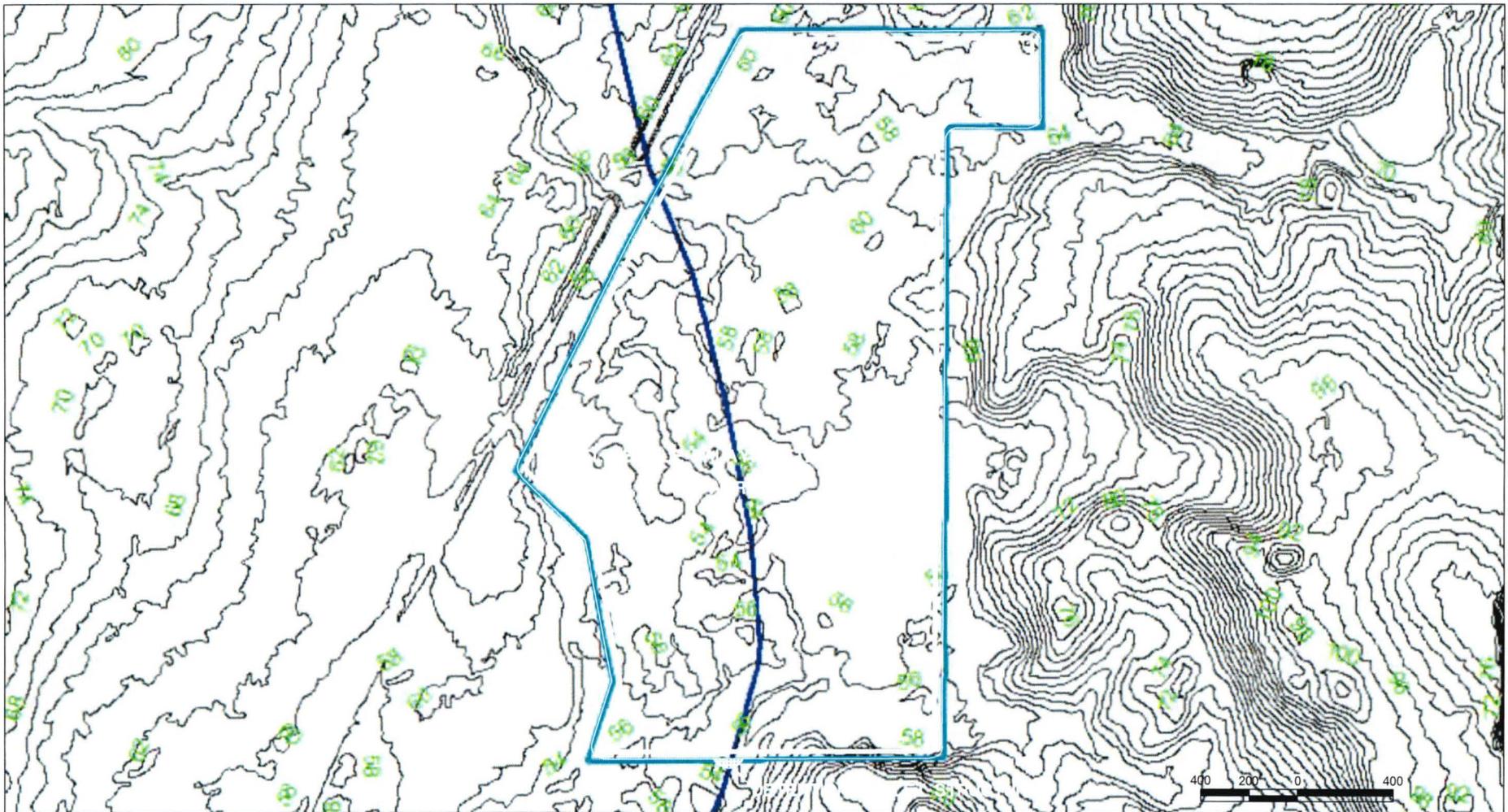
ST. TAMMANY PARISH WATER QUALITY MANAGEMENT STUDY  
COASTAL PROTECTION AND RESTORATION AUTHORITY

ST. TAMMANY PARISH, LOUISIANA



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

FIGURE



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:

