

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

Proposal Name: Big Branch Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: b2b2b4a9-b763-456e-b79e-8f5275770353

Purpose of Proposal: Big Branch Detention Pond- very similar to the Bayou Bonfouca pond, this one is also located below I-12 with similar terrain. This project was evaluated in the CDM Drainage Study prepared for the Bayou Lacombe Basin which identified placing roughly 1,180 ac-ft of storage within Big Branch Bayou. Again, this project is intended to reduce the peak flows and lower the downstream water surface elevations.

1. Administrative Details

Proposal Name: Big Branch Detention Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: b2b2b4a9-b763-456e-b79e-8f5275770353

Supporting Documents

File Name	Date Uploaded
Big Branch Detention Pond Maps.pdf	09/19/2016
Big Branch Detention Support Letter.pdf	09/19/2016
Big Branch Detention Pond 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.

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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	\$1,470,226	\$0	\$1,470,226
Construction	\$14,702,264	\$0	\$14,702,264

Explanation (if necessary)

The project construction cost will be \$14,702,264. The soft cost (engineering, permitting, etc.) is \$8,941,294. The total cost is \$23,643,558. The estimated Federal study cost is 10% of the total construction cost for a total of \$1,470,226.

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 construction of the Big Branch Detention Pond will benefit a total of 681 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.

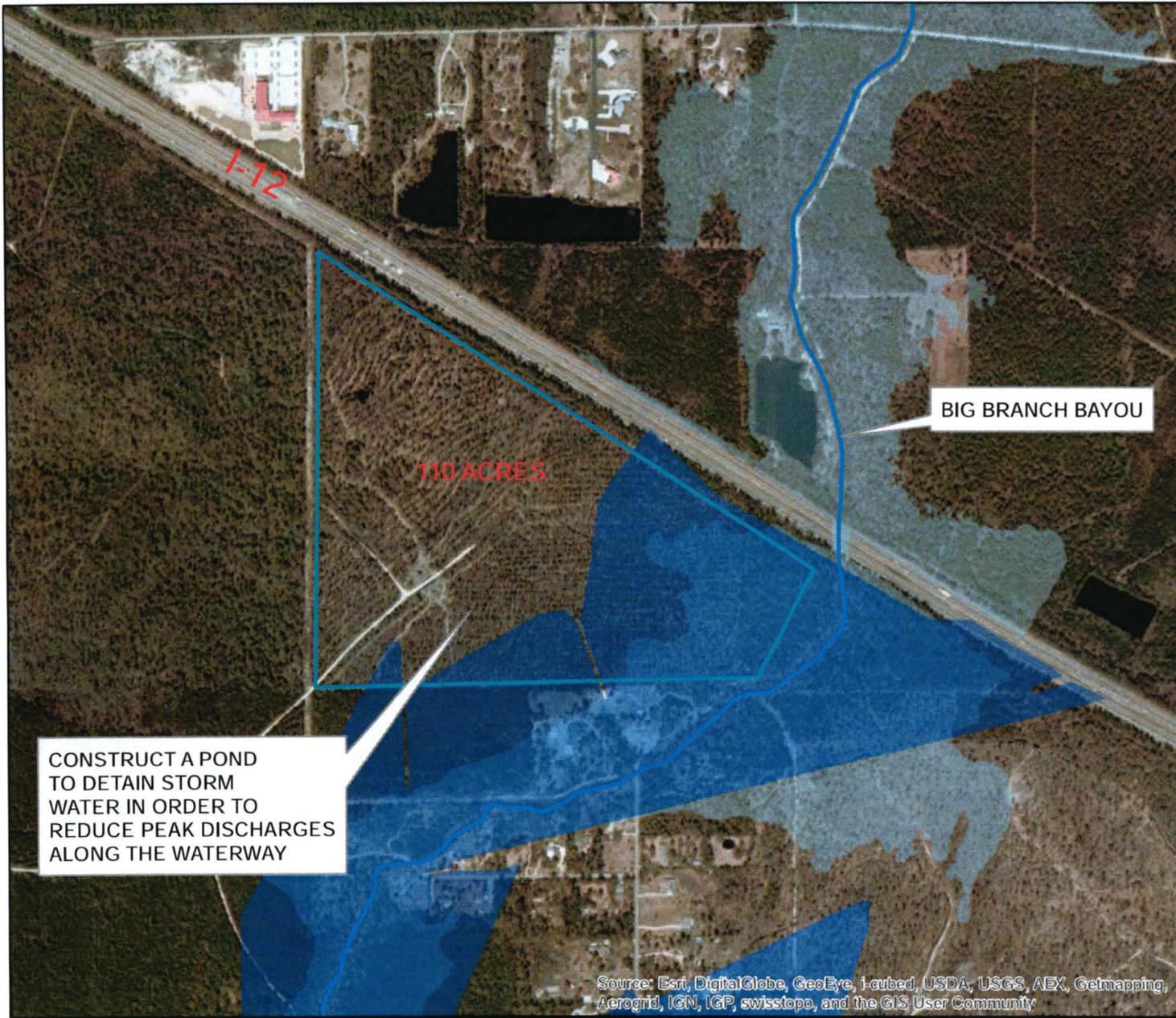
8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?

Yes

Map Document

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

Big Branch Detention Pond Maps.pdf



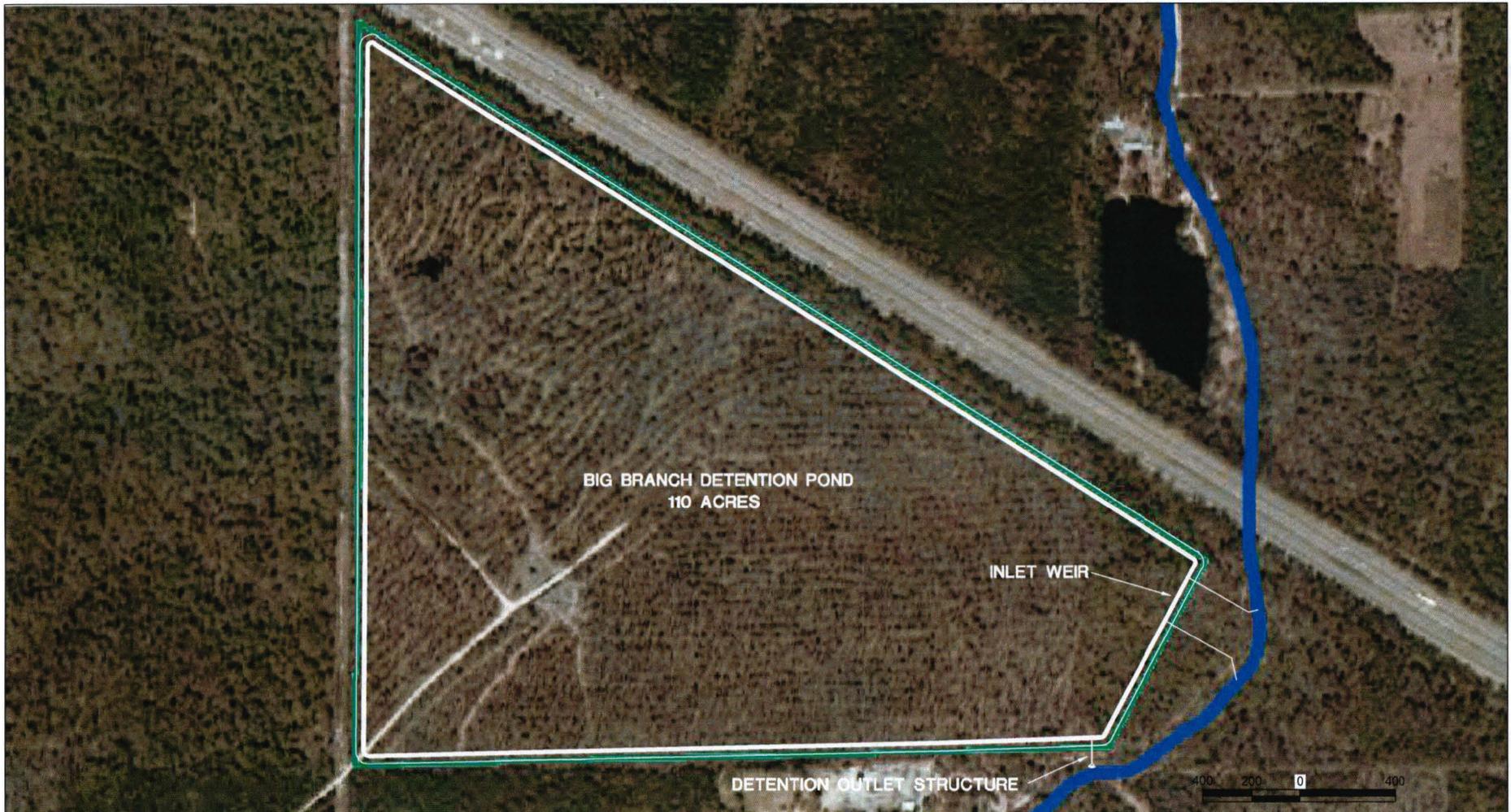
Legend

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



BAYOU LACOMBE REGIONAL DETENTION POND

ST. TAMMANY PARISH
WATERSHED STUDY



TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

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

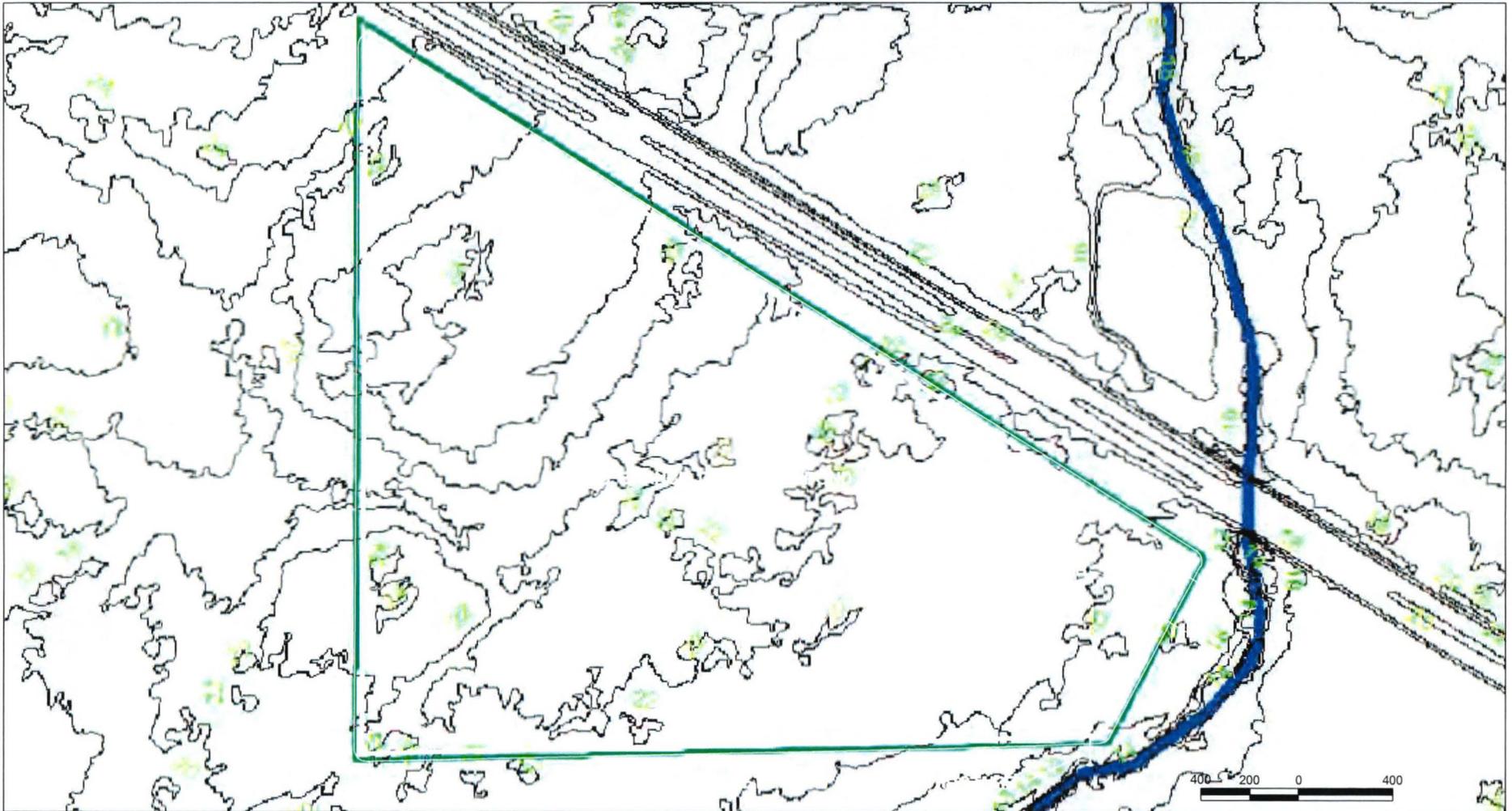
ST. TAMMANY PARISH, LOUISIANA



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:

Primary Sponsor Letter of Support

(As uploaded)

Big Branch Detention Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Big Branch Detention Pond

Dear Sir/Madam:

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

Big Branch Detention Pond was evaluated in the CDM Drainage Study prepared for the Bayou Lacombe Basin which identified placing roughly 1,180 ac-ft of storage with Big Branch Bayou. The project is intended to reduce the peak flows and lower the downstream water surface elevations.

Sincerely,

A handwritten signature in blue ink, appearing to read "Patricia P. Brister".

Patricia P. Brister
Parish President

Additional Proposal Information

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Big Branch Detention Pond Cost.pdf

Project: Big Branch Detention Pond

Waterway: Bayou Lacombe
 Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$575,000	\$575,000
Land Clearing	AC	110	\$5,000	\$550,000
Excavation	CY	1,419,733	\$8	\$11,357,867
Inlet Structure & Outlet Structure	EA	2	\$20,000	\$40,000
Erosion Control	LS	1	\$50,000	\$50,000
Sod Side Slopes	SF	242,281	\$0.75	\$181,711
Piping	LF	100	\$300	\$30,000
			Subtotal	\$12,784,577
			15% Contingency	\$1,917,687
			Subtotal	\$14,702,264

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$1,470,226	\$1,470,226
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	\$441,068	\$441,068
Land Acquisition	AC	110	\$40,000	\$4,400,000
Mitigation	AC	70	\$35,000	\$2,450,000
			Subtotal	\$8,941,294
			Grand Total	\$23,643,558