

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

Proposal Name: Upper Tchefuncte Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: 5b4715cd-fb90-44d6-b38f-0478ce2169a9

Purpose of Proposal: Upper Tchefuncte Detention Pond would consist of roughly 180 acre detention pond providing approximately 1,800 acre-ft of storm water detention.

1. Administrative Details

Proposal Name: Upper Tchefuncte Detention Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: 5b4715cd-fb90-44d6-b38f-0478ce2169a9

Supporting Documents

File Name	Date Uploaded
Upper Tchefuncte Detention Pond Cost.pdf	09/19/2016
Upper Tchefunte Detention Pond Support Letter.pdf	09/19/2016
Upper Tchefuncte 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.

Upper Tchefuncte Detention Pond would consist of roughly 180 acre detention pond providing approximately 1,800 acre-ft of storm water detention.

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	\$2,959,426	\$0	\$2,959,426
Construction	\$29,594,259	\$0	\$29,594,259

Explanation (if necessary)

The project construction cost will be \$29,594,259. The soft cost (engineering, permitting, etc.) is \$14,552,254. The total cost is \$44,146,513. The estimated Federal study cost is 10% of the total construction cost for a total of \$2,959,426.

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 of the Upper Tchefuncte Detention Pond will benefit a total of 6,760 structures. 74 structures flooded in the March, 2016 flood event. 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

Additional Proposal Information

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Upper Tchefuncte Detention Pond Cost.pdf

Project: Upper Tchefuncte Detention Pond

Waterway: Tchefuncte

Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$1,250,000	\$1,250,000
Land Clearing	AC	180	\$5,000	\$900,000
Excavation	CY	2,904,000	\$8	\$23,232,000
Inlet Structure & Outlet Structure	EA	2	\$20,000	\$40,000
Erosion Control	LS	1	\$55,000	\$55,000
Sod Side Slopes	SF	302,851	\$0.75	\$227,138
Piping	LF	100	\$300	\$30,000
			Subtotal	\$25,734,138
			15% Contingency	\$3,860,121
			Subtotal	\$29,594,259

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$2,959,426	\$2,959,426
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	\$887,828	\$887,828
Land Acquisition	AC	180	\$40,000	\$7,200,000
Mitigation	AC	95	\$35,000	\$3,325,000
			Subtotal	\$14,552,254
			Grand Total	\$44,146,513

Primary Sponsor Letter of Support

(As uploaded)

Upper Tchefunte Detention Pond Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Upper Tchefuncte Detention Pond

Dear Sir/Madam:

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

The Upper Tchefuncte Detention 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 180 acre detention pond providing approximately 1,800 acre-ft of storm water detention.

Sincerely,

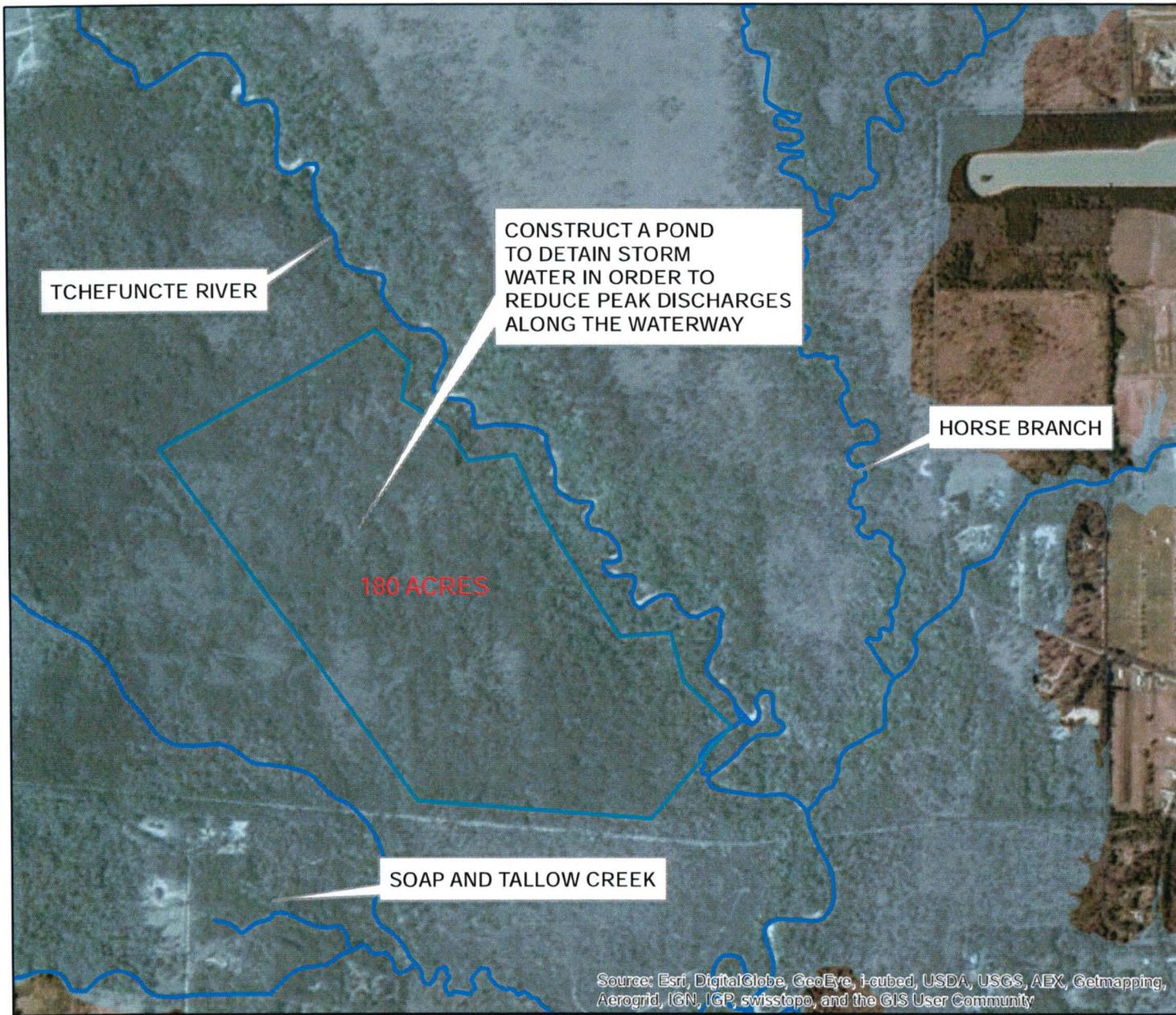
A handwritten signature in blue ink, appearing to read "Patricia P. Brister".

Patricia P. Brister
Parish President

Map Document

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

Upper Tchefuncte Detention Pond Map.pdf



Legend

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



STORM WATER POND- UPPER TCHEFUNCTE

ST. TAMMANY PARISH
WATERSHED STUDY



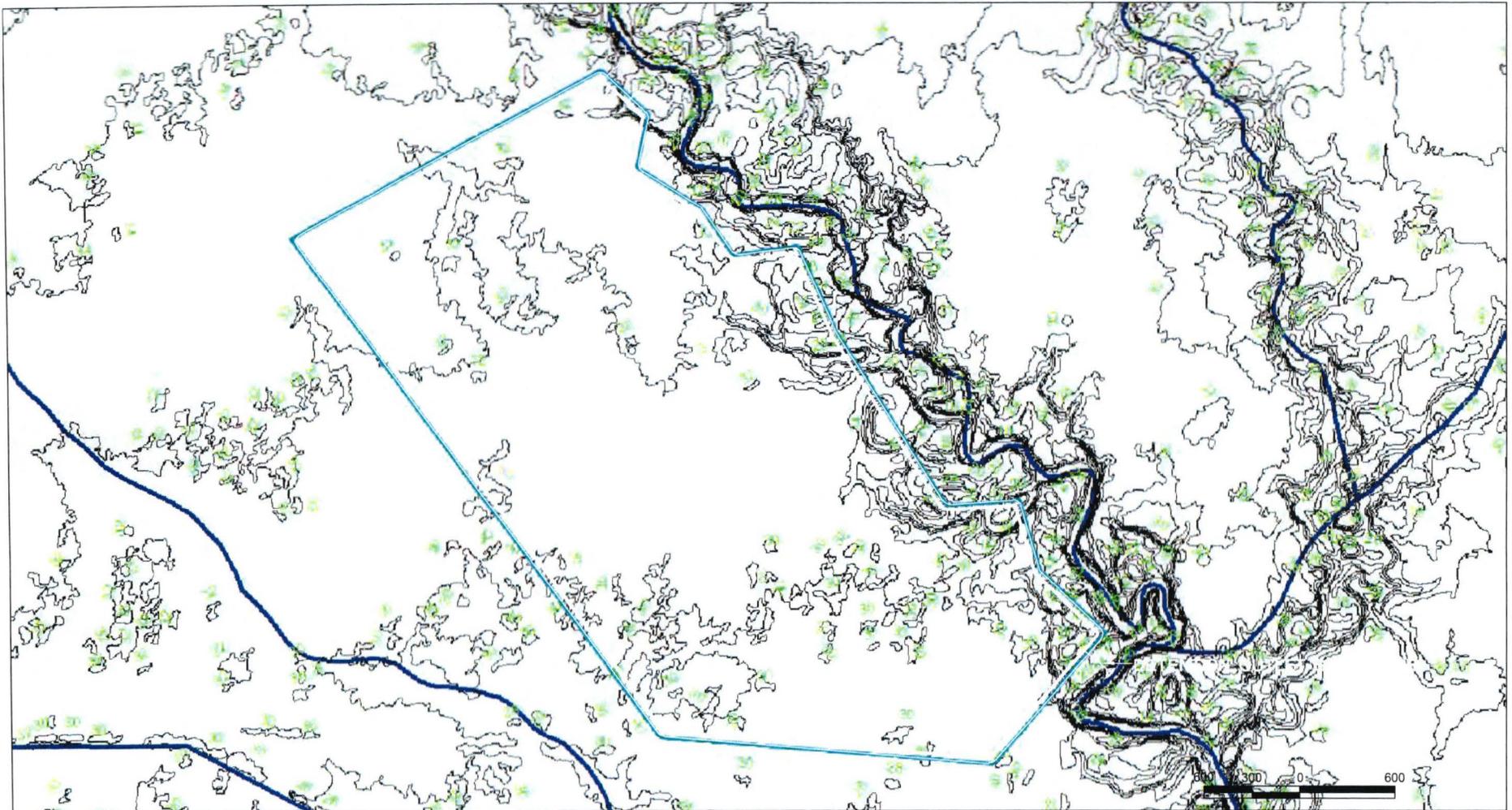
TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

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:
12-5-2014
 St. Tammany Parish Watershed
 Study
 FIGURE: