

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

Proposal Name: Abita River Regional Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: 3af58279-eeec-47da-b357-886c38648457

Purpose of Proposal: The Abita River Regional Detention Pond would consist of assembling 3 parcels just north of Harrison Ave. and the Tammany Hills area which has been identified as a critical drainage area. The project would consist of a detention pond to address localized flooding in the vicinity of A Street to L Street south of Harrison Avenue as well as provide flood plain storage within the Abita River Basin. In addition to the flood control aspects, the existing pond located on 1 of the 3 parcels would be retrofitted to provide for water quality of the receiving stream. It is estimated the project would generate over 1000 ac-ft of storage within the basin as well as addressing water quality from un-sewered subdivisions within the Parish.

1. Administrative Details

Proposal Name: Abita River Regional Detention Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: 3af58279-eeec-47da-b357-886c38648457

Supporting Documents

File Name	Date Uploaded
Abita River Support Letter.pdf	09/19/2016
Abita River Regional Detention Project Budget.pdf	09/19/2016
Abita River Regional Detention Project Maps.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.

The Abita River Regional Detention Pond would consist of assembling 3 parcels just north of Harrison Ave. and the Tammany Hills area which has been identified as a critical drainage area. The project would consist of a detention pond to address localized flooding in the vicinity of A Street to L Street south of Harrison Avenue as well as provide flood plain storage within the Abita River Basin. In addition to the flood control aspects, the existing pond located on 1 of the 3 parcels would be retrofitted to provide for water quality of the receiving stream. It is estimated the project would generate over 1000 ac-ft of storage within the basin as well as addressing water quality from un-sewered subdivisions within the Parish.

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	\$1,211,771	\$0	\$1,211,771
Construction	\$12,117,709	\$0	\$12,117,709

Explanation (if necessary)

The project construction cost will be \$12,117,709. The soft cost (engineering, permitting, etc.) is \$8,740,302. The total cost is \$20,858,011. The estimated Federal study cost is 10% of the total construction cost for a total of \$1,211,771.

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 Abita River Detention Pond has had a total of \$3,828,642 of flood claims since 1995. The construction of the pond will benefit a total of 1,478 structures. The pond will increase the resiliency of the area and enhance the resident's quality of life.

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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Abita River Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Abita River Regional Detention Pond

Dear Sir/Madam:

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

The Abita River Regional Detention Pond project will consist of assembling 3 parcels just north of Harrison Avenue and the Tammany Hills area which has been identified as a critical drainage area.

The project would consist of a new detention pond to address localized flooding and retrofit of the existing pond to provide for water quality of the receiving stream. It is estimated the project would generate over 1,000 ac-ft. of storage within the basin as well as addressing water quality from unsewered subdivisions within the Parish.

Sincerely,

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

Patricia P. Brister
Parish President

Primary Sponsor Letter of Support

(As uploaded)

Abita River Regional Detention Project Budget.pdf

Project: Abita River Regional Detention Pond

Waterway: Abita River

Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$450,000	\$450,000
Land Clearing	AC	109	\$5,000	\$545,000
Excavation	CY	1,150,000	\$8	\$9,200,000
Outlet Structure	EA	1	\$20,000	\$20,000
Erosion Control	LS	1	\$50,000	\$50,000
Sod Side Slopes	SF	302,851	\$0.75	\$227,138
Piping	LF	150	\$300	\$45,000
			Subtotal	\$10,537,138
			15% Contingency	\$1,580,571
			Subtotal	\$12,117,709

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$1,211,771	\$1,211,771
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	\$363,531	\$363,531
Land Acquisition	AC	109	\$40,000	\$4,360,000
Mitigation	AC	75	\$35,000	\$2,625,000
			Subtotal	\$8,740,302
			Grand Total	\$20,858,011

Map Document

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

Abita River Regional Detention Project Maps.pdf

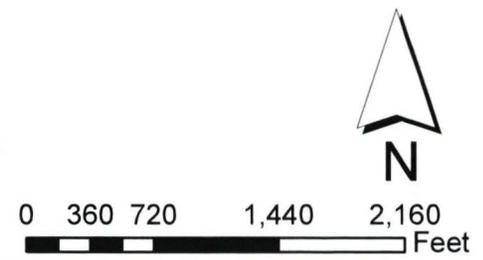


Legend

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



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



STORM WATER POND-ABITA RIVER

ST. TAMMANY PARISH
WATERSHED STUDY



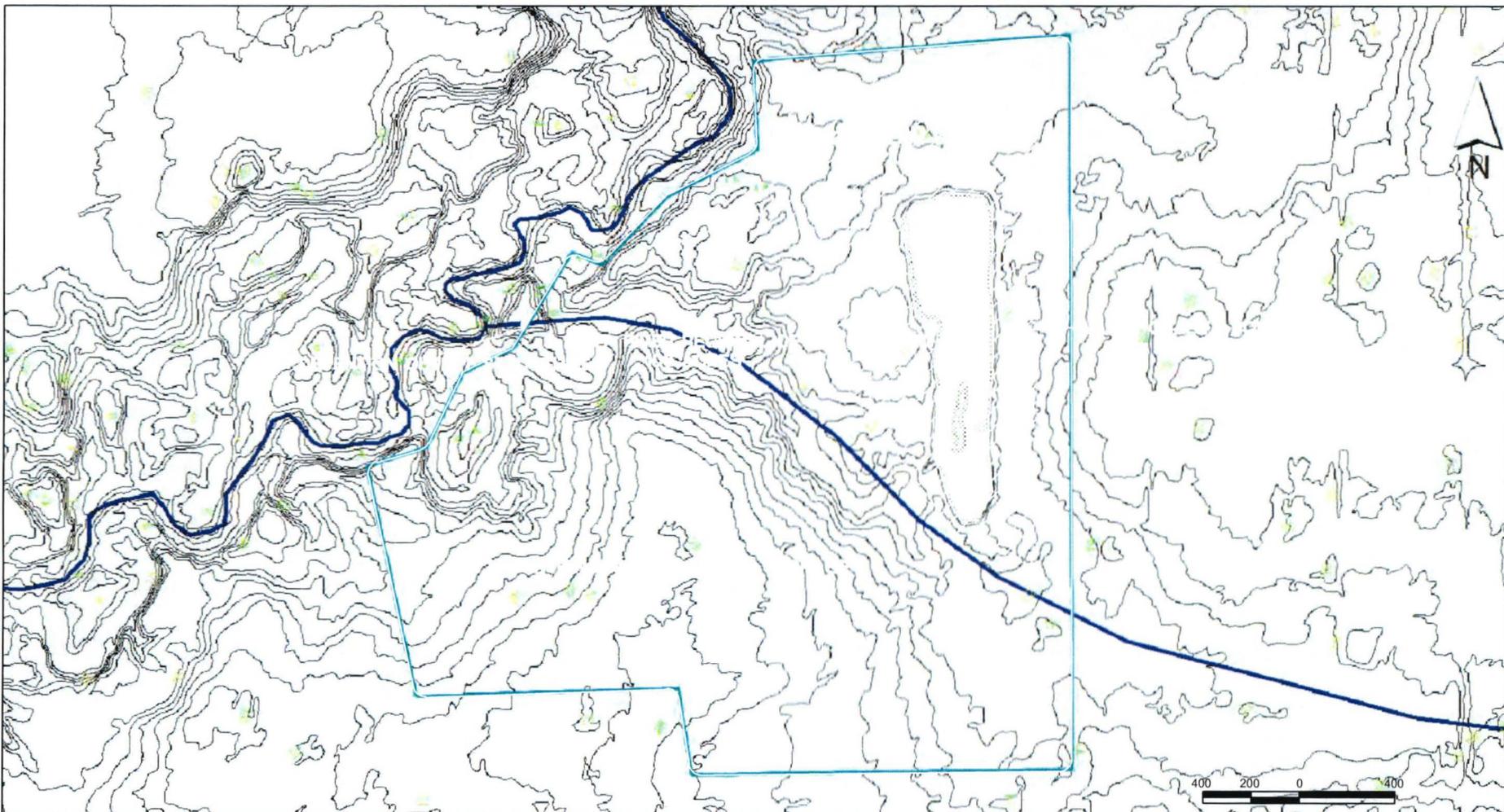
TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

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

ST. TAMMANY PARISH, LOUISIANA



DATE: 12-3-2014
 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: 12-3-2014
 St. Tammany Parish Watershed Study
 FIGURE: