

**DESIGN FOR CR210 - LONGLEAF PINE PKWY TO SHEARWATER RD - TRANS - RW**

**DESCRIPTION OF SCOPE OF SERVICES**

**GENERAL**

Consultant agrees to provide Engineering Services for the above project as outlined herein.

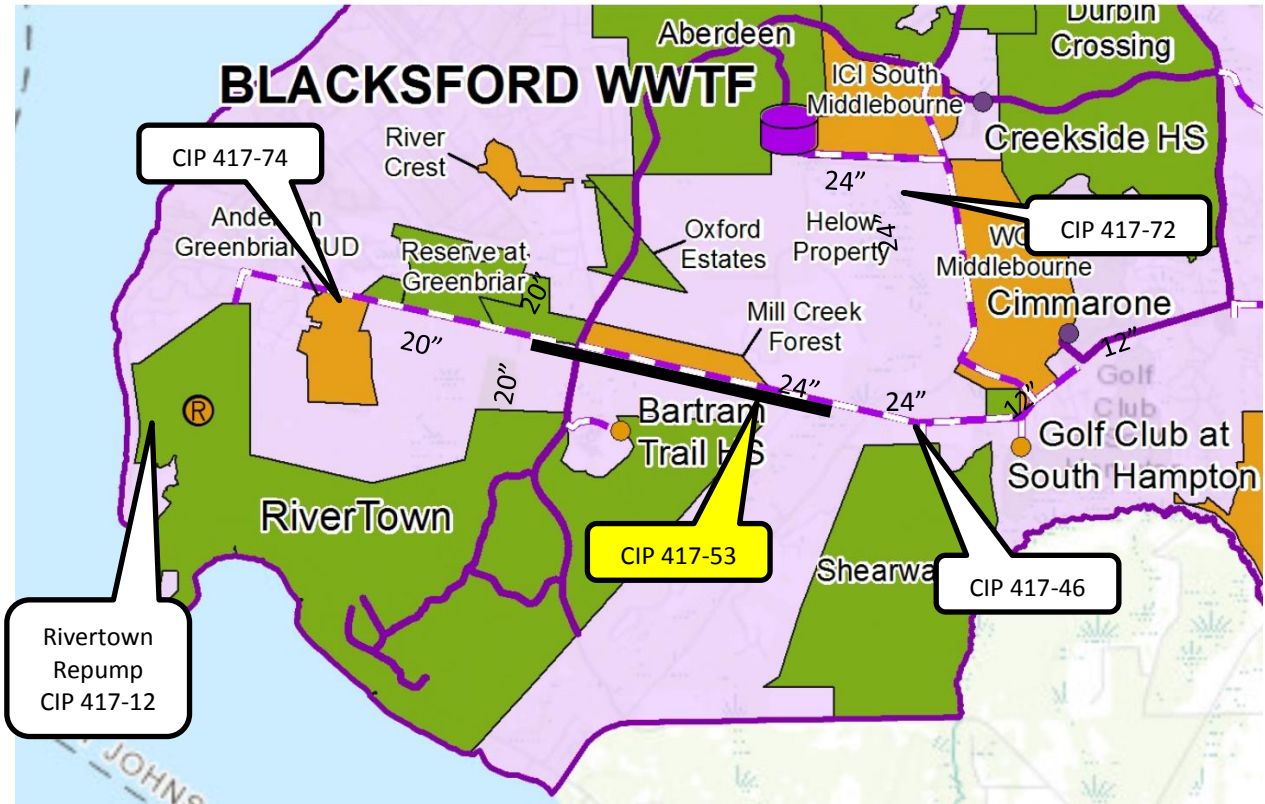
**SCOPE OF SERVICES**

The Scope of Work to be performed under this task consists in the final detailed design, permitting, bid phase assistance, and engineering support services during construction.

**TASK PLAN**

- A. General tasks that are to be included in this project includes the following:
  - 1. Development of the design for the installation of approximately 11,700 feet of 24-inch Reclaimed Water Main along Greenbriar from the CR210 intersection to Longleaf Pine Parkway. See Exhibit 1.
  - 2. Suggested methods of construction for necessary trenchless crossings
  - 3. Analysis of special crossings
  - 4. Real state acquisition requirements
  - 5. Survey requirements
  - 6. Geotechnical and Environmental requirements
  - 7. Permitting requirements
  - 8. Engineering Services during Construction

Exhibit 1.



B. Design Kickoff Meeting

Attend the design kickoff meeting at the date and time established by JEA. Prepare meeting minutes and submit to JEA.

C. Design Criteria

Comply with JEA Water & Sewer Standard Specifications; JEA Water, Sewer and Reclaimed Water Design Guidelines requirements; JEA Rules and Regulations for Water, Sewer & Reclaimed Water Services for water pipeline design and other applicable standards.

D. Opinion of Costs

Consultant will prepare opinions of construction cost at all stages of deliverables in accordance with the Association for the Advancement of Cost Engineering International, Inc. (AACE) for the purpose of assisting JEA in preparing budget funding request, evaluating design options. Expected accuracy will be as follows: Class 3 estimate for 30% design deliverable and System study; Class 2 estimate for 60% design deliverable, and Class 1 estimate for 90% and 100% design deliverable. Follow JEA estimate report guidelines.

E. Permitting Assistance

Assist JEA in filing and obtaining all the necessary permits from local and state agencies to include but not limited to:

- St Johns County (Design review and Right-of-Way permit)

## Appendix A - Technical Specifications

### 013-21 Engineering Services for the CR210 - Longleaf Pine Pkwy to Shearwater Rd - Trans - RW Project

- Florida Department of Environmental Protection (Dewatering, ERP Wetlands permitting)
- Army Corps of Engineers (if any wetlands permitting)

Assistance will include:

- Pre-meetings with permit authorities as needed to insure necessary approvals.
- Preparation of applications, exhibits, drawings, and specifications as needed for execution and submittal.
- Furnishing additional information about the project design as required for permit approval.
- Submittal of applications to the permitting authorities.
- JEA will provide payment for necessary permit fees.

#### F. Design Contract Documents

1. Prepare detailed drawings, specifications, and Bid Form for the proposed construction work and for materials and equipment required. The documents shall be prepared for selection of construction contractors on a competitive bid price basis. The documents shall be prepared as one contract.
2. Update the opinion of probable construction cost for the proposed work covered by the contract documents and provide with final construction contract documents.
3. Review the contract documents for completeness and constructability.
4. Provide Bid Form in the JEA Asset Management format
5. Provide PDF set of contract documents to JEA for review at 30 percent, 60 percent, 90 percent and final construction drawings.
6. Bidding Documents to be provided to JEA include drawings, bid form, specifications, and text for inclusion into the JEA Special Conditions, if needed.
7. Provide paper and electronic drawing files, PDF and AutoCAD formats, of the final construction drawings to JEA.

#### G. Bid Phase Services

1. If requested by JEA, attend the pre-bid conference at the date and time established by JEA.
2. Interpret construction contract documents in regard to Contractor questions. Support JEA with drawings and/or specification updates for addenda issuance. JEA will coordinate and issue all addenda.
3. JEA will conduct the bid opening. Attendance is not required by designer at the bid opening.
4. Provide Conformed drawings and specifications. JEA will be responsible for the coordination and distribution of conformed copies of the construction contract documents.

#### H. Design Services During Construction, to be provided if needed

#### I. DELIVERABLES

Consultant shall provide the following deliverables to include but not limited to:

##### 30, 60 and 90% Design Documents

- 30, 60, and 90% engineering drawings and estimate reports
- 30, 60, and 90% written specifications if needed
- Final design calculations
- Applicable permits
- Asset management documentation

## Appendix A - Technical Specifications

### 013-21 Engineering Services for the CR210 - Longleaf Pine Pkwy to Shearwater Rd - Trans - RW Project

#### 100% Design Document

- Final engineering drawings
- Final written specifications, if needed
- Final QC performed
- Final survey
- Geotechnical Report

#### Bid Documents

- Bid set engineering drawings
- Bid set written specifications, if needed
- Bid Form- In asset management format
- Related Bid documents

#### Construction Documents

- Conformed engineering drawings

#### J. INFORMATION BY JEA

The following shall be provided by JEA for this RFP.

- Project Scope Statement

#### K. SCHEDULE

The design/permitting phase services shall not exceed 8 months unless approved otherwise by JEA.