

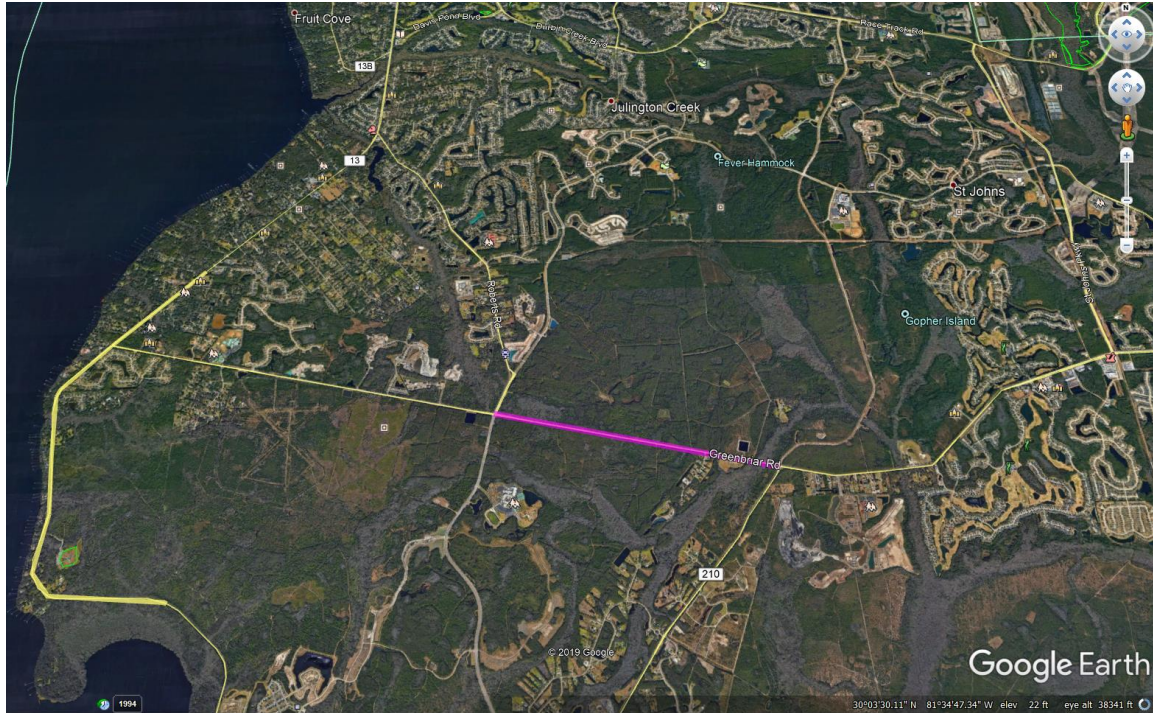
Appendix C - Project Definition

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

Project Scope Statement

Project Name:	CR210 - Longleaf Pine Pkwy to Shearwater Rd - Trans - RW
Index #:	417-53

Project Scope



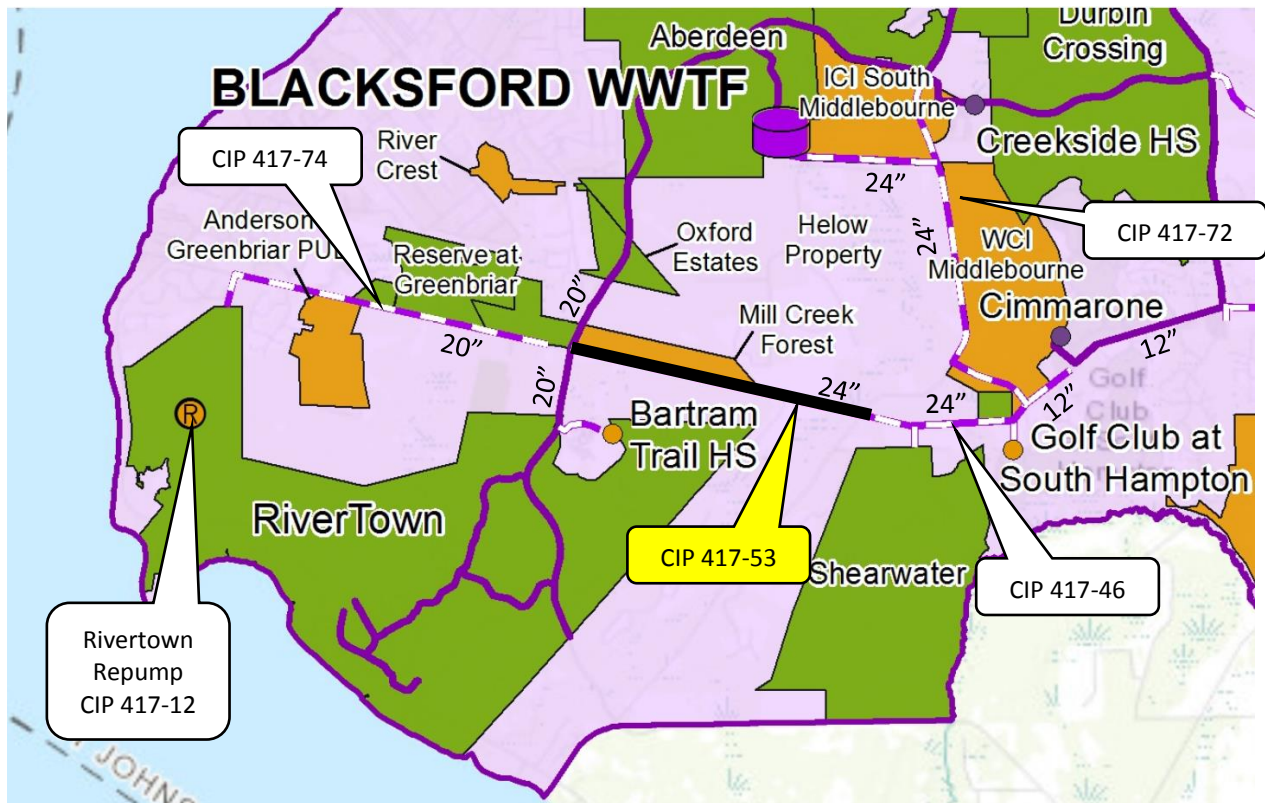
Reclaimed water provides an alternative water source to using potable water for irrigation and reduces water discharged to the St. Johns River from JEA WWTPs. This grid project will connect the existing 20 inch reclaimed main along Long Leaf Pine Parkway with the proposed reclaimed main extension along CR210 (CIP 417-46). Exhibit 1 shows the project location and interaction with other reclaimed water main projects in the area. This main will complete the reclaim loop along CR 210/Greenbriar Road.

More specifically, the proposed 24 inch reclaim water main will connect on the west to the existing 20 inch reclaimed water main along Long Leaf Pine Parkway and the east side connection is the 24 inch reclaimed water main proposed with CIP 417-46 at the CR210 W intersection. The total length of 24 inch reclaim main is 11,700 feet. CIP 417-46 is to be installed in conjunction with the St. Johns County CR 210 project. Currently, CIP 417-46 is scheduled to be completed in JEA FY 2022.

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Exhibit 1.



Depending on the project timing and that of future developments in the area, additional stub-outs may be added during the design phase. Currently, one 8-inch connection is required at Bridgeton Street for the Mill Creek Forest project (LOA 2016-1071). The Mill Creek Forest project is located on the north side of Greenbriar Road as shown in Exhibit 2. This subdivision has not been constructed as of February 2020, however, an 8 inch stub-out to the north side of the Greenbriar Road Right-of-Way and valve should be planned with this project design. In the event that the subdivision construction is complete by the time this project is under construction, this reclaimed project should include coordination with JEA O&M for the removal of the potable jumper located along Bridgeton Street at the Wye Road intersection (see Exhibit 3). The status of this and other surrounding developments should be determined during the design phase.

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Exhibit 2.

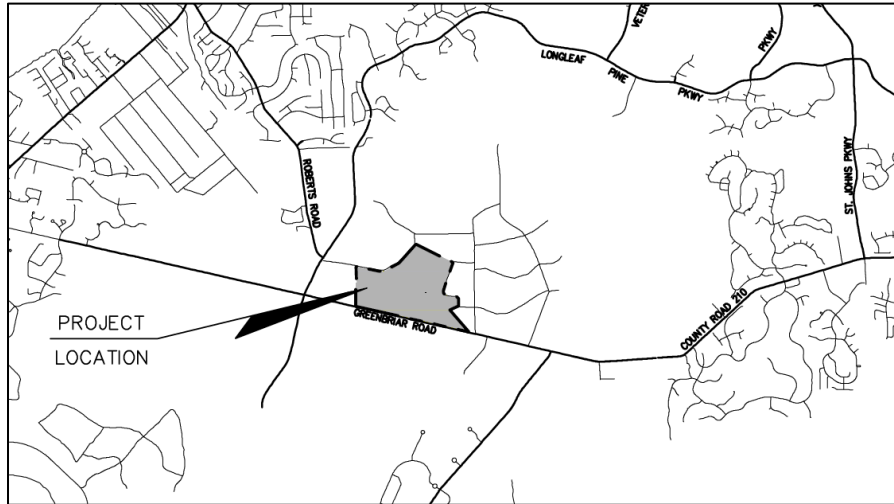
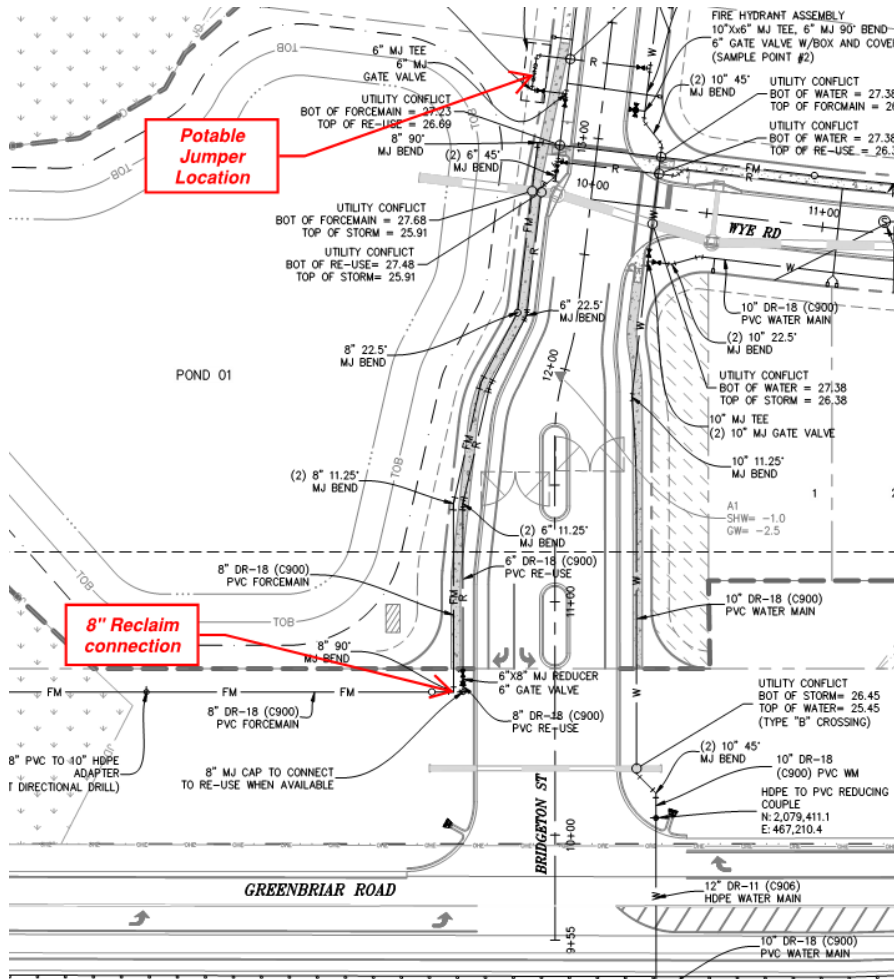


Exhibit 3.



Delivery Method: Design Bid Build. No route study necessary. To be designed per JEA current standards. Survey, geotechnical exploration, environmental studies as required

Pipe length, size and material: 11,700LF of 24" D.I. pipe size recommended by planning

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Special Crossings: CR-210, There are areas along Greenbriar Rd within the 100 yr flood zone but these areas should not pose a problem, evaluate if wetlands are present. Trenchless or open cut design as needed

Area: Residential, Timberlin Creek Elementary School, Bartram Trail High School

Construction Method: Open Cut along St Johns County ROW, more likely in the grass on Greenbriar Rd, add stub outs at jumpers and crossings

Connections to existing RWM: Existing 20-inch West at Longleaf Pine Pkwy, 8 inch connection at Bridgeton St (LOA 2016-1071), coordinate tie in and connect on the east side to the 24 inch stub to be installed with 417-

46Permitting: St. Johns County, USACEand/or SJRWMD/DEP wetlands permitting, if pipe alignment is not in ROW, construction and utility easements might be required, could take 6 months or more for Real Estate and permitting issuance

Project coordination: Ties in to 417-74, coordinate with Joint Projects PM for St. Johns County S.R.210 417-46 joint project starting construction in 2020

Energy comments: Transmission: There is a 26KV OH electric distribution feeder at the east edge of the ROW on Longleaf Pine Pkwy. North of the Greenbriar Rd. intersection that turns east onto the north edge of the ROW on Greenbriar Rd. In addition, a short lateral serves a development just west of the County Road 210 W intersection but JEA electric distribution facilities do not cross the road at any point along the route

Distribution lines: FPL on Southside, JEA on Northside

Project Schedule

Milestone	Project Request	10% Design	30% Design	60% Design	90% Design	100% Design	Bid
Project Start	11-Dec-19						
Design Start	19- Jul-21						
Design Finish	28-Mar-22						
Construction Start	05-Oct-22						
Substantial Completion	01-Jul-23						