

**Agenda Item:** 2.d

**Meeting Date:** July 23, 2019

## MEMORANDUM

**To:** City Commission

**Date:** 2019-07-15

**From:** Jorge Quintas, Public Works & Utilities Director/Engineer

**Subject:** Wastewater Lift Station #3 Force Main Replacement Project

**Presenter(s):** Russell Ferlita, Ph.D., P.E., Section Engineer | PW & Utilities; Paul Stanek, Assistant Director, Public Works & Utilities Department

**Recommend:** Staff recommends to Award the Wastewater Lift Station #3 Force Main Replacement Project to G.A. Nichols Company, a Florida Corporation, in the amount of \$281,815.60

**Epic Goal(s):** Goal #4 - Be the statewide model for environmental sustainability stewardship

**Boards & Committees:** N/A

**Budget Impact:** Funds for this project are budgeted in the Water & Sewer Utility Fund, (Acct. #441-5266-535-6301) in fiscal year 2019, under Project #521707. A budget amendment appropriating \$80,000 from Water & Sewer Fund Reserves will be required in order to fully fund this work.

**Past Action:** 1) Wastewater Lift Station #3 Force Main Replacement Design Services were awarded to King Engineering of Tampa, FL in the amount of \$32,103 by delegated authority on January 25, 2019.

**Next Action:** N/A

**Attachments:** [A. Memo of Recommendation \(CA\).pdf](#), [B. Memo of Recommendation \(RF\).pdf](#), [C. Ardurra letter Bid Recommendation.pdf](#), [D. Bid 19-1130 Tabulation.pdf](#), [E. Budget Amendment Form.PDF](#),

**Background:**

The Wastewater Lift Station #3 Force Main Replacement Project is located at Josiah Cephas Weaver Park (1258 Bayshore Blvd.). The project scope consists of the replacement of the gravity sewer piping from the terminal manhole to the lift station and installation of a new 12" force main to replace the existing 10" force main. This includes excavation, shoring, trenching, temporary bypass pumping, pipe installation, horizontal directional drilling, backfill, restoration, concrete and masonry work and painting as required to complete the project and maintain flow of sanitary sewer.

The current lift station piping from the terminal manhole is comprised of two pipes, is undersized and constructed of vitrified clay pipe. To increase capacity and to upgrade the piping material; a single, larger diameter PVC pipe will be installed between the terminal manhole and the lift station. The replacement of this segment of gravity sewer will significantly increase the capacity of the pipe as well as reduce potential infiltration of groundwater into this piping section.

The current force main from lift station #3 is original and constructed of 10" cast iron, which is subject to failure. Failure of the force main (either by a pipe break or leak) would result in an unauthorized raw sewage discharge and present a public health hazard. The original, cast iron force main will be abandoned in place and a new, 12" PVC / HDPE force main will be installed and placed into service. This replacement will significantly increase the reliability of the force main and reduce the potential of unauthorized discharges of raw sewage into the environment.

The City received five (5) submittals of bid packages, consisting of up to three bid alternates each. The bids received ranged from \$281,815.60 to \$530,948. G.A. Nichols Company's submittal was determined to be the lowest, responsive and responsible bid.

Funds for this work are budgeted in the Water & Sewer Utility Fund (Acct. #441-5266-535-6301, under Project #521707). A budget amendment appropriating \$80,000 from Water & Sewer Fund Reserves will be required to fully fund this work.

A "Notice to Proceed" is planned for the month of September 2019. Construction is expected to be Substantially Complete by February 2020.

Staff hereby recommends award of this design contract to G.A. Nichols Company, in the amount of \$281,815.60.