



MEMORANDUM

City of Venice

Utilities Department

TO: Ed Lavallee, ICMA-CM, MPA, City Manager

FROM: Javier Vargas, MPA, Utilities Director

DATE: August 5, 2019

COUNCIL APPROVAL: Yes

MEETING DATE: August 27, 2019

STRATEGIC PLAN GOAL: Upgrade and Maintain City Infrastructure and Facilities

SUBJECT: East Gate Terrace - Lift Station # 8 - Sanitary Sewer Collection System Rehabilitation

Background: The sanitary sewer collection system in the East Gate area, west of Homepark Road (Lift Station 8 collection area), is a priority for sanitary sewer rehabilitation. A study of the East Gate area showed there is a high amount of inflow and infiltration (I&I) in this area after rainfall events. The area of East Gate to the east, the Lift Station 10 area, will be addressed during the CIP East Gate Terrace Phase 3 project. The Utilities Department has conducted repairs where we could determine these locations were a source of I&I; however, high levels of I&I continue. TV inspections of the collection mains and laterals indicate I&I is originating from numerous cracks and joints in the mains and from private sewer laterals. A CIP project was set up specifically to design a solution to address I&I problems due to sewer laterals and install cleanouts. Staff has identified the Cured-In-Place pipe [CIPP]* technology as the most cost effective trenchless rehabilitation method to correct these issues by lining the sewers in the ROW, laterals and install the cleanouts. The CIP project, Cleanout Installations, was budgeted for \$1M. This budget will be applied to this project.

This project will rehabilitate approximately 14,000 feet of sewer mains and laterals and install 70 cleanouts in this area, which should significantly reduce I&I in the sanitary sewer system during high rainfall events. This will reduce wastewater treatment plant operating costs and minimize future wastewater overflows. We have conducted similar pipe lining as a part of our CIP; utilizing InsituForm with great success. InsituForm has reviewed the area and provided us with the attached quote to conduct the work, using contract pricing from an existing contract with City of Naples that includes piggyback provisions in accordance with procurement policies.

* Cured-In-Place [CIPP] lining is a method of trenchless rehabilitation and restoration used in the repair of existing pipes. CIPP uses a textile liner tube and a liquid resin.

Requested Action: Approval to use piggyback with City of Naples for InsituForm to conduct sanitary sewer rehabilitation services in the project area for the quoted price not to exceed \$1,172,712.00

City Attorney Review/Approved: N/A

Risk Management Review: N/A

Finance Department Review/Approved: Yes

Funds Availability (account number): 421-1202-536.63-00

ORIGINAL(S) ATTACHED: Quote from Insituform

Cc: Jimmy Bennett, Utilities Field Operations Supervisor