



# MEMORANDUM

## City of Venice

### Utilities Department

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

THROUGH: Javier Vargas, Utilities Director

FROM: John A. Banks, Jr., PE, Utilities Project Manager

DATE: May 6, 2019

COUNCIL APPROVAL: Yes

MEETING DATE: May 28, 2019

STRATEGIC PLAN GOAL: Upgrade and Maintain City Infrastructure and Facilities

SUBJECT: Hazen & Sawyer, Work Assignment No. 2016-07, Second Force Main Under I-75

**Background:** The Utilities Department desires to construct a second wastewater force main under I-75, estimated 2,500 linear feet of piping. The City currently utilizes a single 20-inch force main crossing I-75 to transfer wastewater flow to the Eastside Water Reclamation Facility (EWRF). As stated in the City's Wastewater Master Plan, if the existing force main has a failure or there is a need to take the force main out of service for maintenance, the wastewater conveyance from west of I-75 to ERWF will be cut off. In addition to the need for redundancy, there are a few planned developments on the west side of I-75 that will have additional wastewater flows to the City's wastewater collection system. The City is currently updating the Wastewater Master Plan, which includes projecting wastewater flows from new developments, thus affecting the required sizing of the proposed force main.

The proposed force main will be routed north of the existing force main that conveys wastewater beneath I-75 to the EWRF headworks. Please see the attached map. This work assignment will include an assessment of sizing requirements for the new FM, alternatives for connecting to the existing piping network leading to the plant headworks, and coordination of the project with the Florida Department of Transportation which has permitting jurisdiction within the I-75 right of way. The work assignment also includes the physical assessments of the projected pipeline route. This effort will be summarized in a Preliminary Design Memorandum (PDM). Upon completion of the draft PDM, the scope and budget can be determined for the final design effort.

**Requested Action:** The Utilities Department request Council's execution of Hazen & Sawyer, Work Assignment No. 2016-07, Second Force Main Under I-75.

If further information is needed, please do not hesitate to contact me.

City Attorney Review/Approved: Yes

Risk Management Review: Yes

Finance Department Review/Approved: Yes

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

**ORIGINAL(S) ATTACHED:** Three (3) signed original Work Assignment No. 2016-07 from Hazen & Sawyer.

# Proposed Second Force Main Location

