

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 12, 2023

Agenda Item:

Estero Parkway Phase 1 Reuse Main Design Contract EC 2023-38 STA 04

Motion to approve the award of Supplemental Task Authorization 04 to Contract EC 2023-38 to Johnson Engineering, Inc. for the Phase 1 Estero Parkway Reuse Main Design, Permit and Grant Funding Assistance at a cost of \$89,858.00.

Approve a \$9,000 contingency (10%) for additional services that may be required to complete the project.

Authorize the Village Manager to sign the STA and other additional implementing documents within the scope of the STA on behalf of the Village of Estero Council.

Background:

The Village of Estero and its residents have experienced challenges regarding the availability and quality of groundwater for both irrigation and potable water. As development continues within the Southwest Florida region these challenges will likely worsen over the next several years. Planning for and transitioning from groundwater sources will be important in addressing future water needs.

In October 2022, Johnson Engineering completed an Estero Parkway Corridor Irrigation Assessment. This assessment investigated existing irrigation needed and challenges along Estero Parkway. This included Estero Parkway itself and several adjacent communities. The assessment provides three alternatives to improve irrigation along Estero Parkway. Options 1 & 2 include extending reuse water mains. Option 3 includes modifying the existing irrigation wells to improve water volume and quality. While Option 3 could improve irrigation it would likely not fix potential future water volume and quality issues. Estimated costs to extend reuse water mains along Estero Parkway are \$3,315,000 - \$3,560,000.

Description:

There are several sources of additional funding for alternative water supply projects. Replacing irrigation wells with reuse water is considered an alternative water supply project.

Generally, alternative water supply funding is only available for shovel ready projects. Projects must be designed and permitted before they are able to submit funding applications.

Village Staff is proposing to hire Johnson Engineering, Inc. to design, permit, and provide grant funding assistance for the extension of the reuse water main from Three Oaks Parkway to the western end of Rookery Point. Extension of this reuse main will allow the Village of Estero to reduce or eliminate the need for the most eastern irrigation well on Estero Parkway. This will also provide Rookery Point access to reuse water along their northern property boundary.

After the reuse main is designed and permitted, Johnson Engineering will help the Village submit grant applications to obtain additional funding for the project.

Action Requested:

Motion to approve the award of Supplemental Task Authorization 04 to Contract EC 2023-38 to Johnson Engineering, Inc. for the Phase 1 Estero Parkway Reuse Main Design, Permit and Grant Funding Assistance at a cost of \$89,858.00.

Approve a \$9,000 contingency (10%) for additional services that may be required to complete the project.

Authorize the Village Manager to sign the STA and other additional implementing documents within the scope of the STA on behalf of the Village of Estero Council.

Process and Timeline:

A project schedule is included (Exhibit C) in the attached contract. Following is a summary of the schedule. Days are from the project notice to proceed:

Preliminary Design:	60 days
Design Plans:	105 days
Permitting:	180 days

The start of construction will be contingent upon additional funding sources and Council approval.

Financial Impact:

The fiscal impact is \$98,858 for the Phase 1 Estero Parkway Reuse Water Main design permitting and grant assistance. This includes \$89,858.00 for the contract approval and a 10% project contingency of \$9,000.

This project is not currently included within the Fiscal Year 2022-2023 budget. However, sufficient funds are available in unallocated general funds to fund the contract. A budget amendment will be processed to allocate funds to this project.

Prepared by: David Willems, P.E.

Attachments:

1. Project Location Map
2. Contract EC 2022-38 STA 04
3. Estero Parkway Irrigation Assessment Report
4. Johnson Engineering, Inc. Ownership Disclosure