



AGENDA MEMORANDUM

Action Item for the City Council Meeting of November 19, 2024

DATE: November 12, 2024

TO: Peter Zaroni, City Manager

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<p style="text-align: center;"><u>Professional Services Contract</u> Pressure Plane – Calallen Area</p>

CAPTION:

Motion authorizing a professional services contract with CP&Y, Inc. dba STV Infrastructure (STV), San Antonio, Texas, to provide design, bid, and construction phase services for the Calallen Elevated Storage Tank - Pressure Plane Project in an amount not to exceed \$2,450,854.40, located in Council District 1, with FY 2025 funding available from the Water Capital Fund.

SUMMARY:

This motion authorizes the approval of a professional services contract for design, bidding, and construction phase services to establish a new water pressure plane serving the Calallen area. The infrastructure improvements include a new elevated storage tank, pump station, and associated water line enhancements.

BACKGROUND AND PURPOSE:

Corpus Christi Water (CCW) operates the O.N. Stevens Water Treatment Plant, supplying water to two pressure planes within the Corpus Christi water distribution system. Pressure Plane 1 covers all mainland areas of the city, while Pressure Plane 2 encompasses all areas on Padre

Island. The Calallen area, currently part of Pressure Plane 1, has the highest elevations and consequently the lowest pressures in this plane. The improvements included in this project will enhance the area's water system resilience, resulting in improved system pressure.

Major portions of the project will include the installation of a new twenty-four-inch (24") PVC water supply line from plant operations to a new pumping station, construction of a new pumping station and ground storage tank located at the O.N. Stevens Water Treatment Plant, a twenty-four-inch (24") PVC water line from the pumping station to a connection point at Leopard St. and Hearn Rd., extension of an existing sixteen-inch (16") PVC water line along Hwy 77, and the construction of a new elevated storage tank.

The design of this project will include hydraulic modeling, water line, elevated storage tank, pump station, and ground storage tank design. Additionally, land acquisition support for easements, construction right of entry, and parcel purchase for the elevated storage tank are also included in the design portion of this project.

PROJECT TIMELINE:

2024-2026	2026			2026-2028
November - February	M	A	M	June - June
Design	Bid/Award			Construction

The projected schedule reflects City Council award in November 2024, with anticipated construction completion in June 2028.

COMPETITIVE SOLICITATION PROCESS:

STV was selected in May 2023 under RFQ 5036 for the Pressure Plane - Calallen Area project, one of nine projects announced under the Water CIP Projects category of the RFQ. The final evaluation ranked STV as one of the highest firms based on eight factors: 1) experience on projects of similar scope and complexity, 2) demonstrated capability and capacity on comparable projects, 3) past performance, 4) team members' experience and qualifications, 5) team members' experience with work of similar scope and complexity, 6) availability of resources to accomplish the work, 7) demonstrated understanding of the scope of services, 8) demonstrated understanding and experience with similar services for a public agency. The evaluation selection panel consisted of members from the Engineering Department and Corpus Christi Water.

STV has designed hundreds of water projects across Texas and successfully completed various city projects. Some of these projects include the Calallen Pressure Plane Analysis and the Holly & Rand Morgan Elevated Storage Tank Implementation. STV is also currently working on the Navigation Pump Station Improvements for the city.

ALTERNATIVES:

The City Council could choose not to award the design contract, which would delay the design and construction of this project to improve the water distribution system's resiliency and performance in the Calallen area.

FISCAL IMPACT:

The fiscal impact for FY 2025 is an amount not to exceed \$2,450,854.40, with funding available through the Water Capital Fund. This project is part of the Elevated Water Storage Tanks – City-Wide project in the FY25 Capital Budget but has been assigned a separate project number for more precise expense tracking. The Capital Improvement Program (CIP) shows the project has \$800,000 for design. The remaining design funds will be transferred from the available construction funds.

FUNDING DETAIL:

Fund: **Water CIP (Fund 4491)**
Department: Water (45)
Org: Grants & Capital Projects Funds (89)
Project: 24040 Calallen Elevated Storage Tank - Pressure Plane. Please reference project E16290/20267 in the adopted FY25 CIP
Account: Outside Consultants (550950)
Activity: 24040
Amount: \$2,450,854.40

RECOMMENDATION:

Staff recommends approval of the professional services contract with STV for an amount not to exceed \$2,450,854.40 for the Calallen Elevated Storage Tank - Pressure Plane Project. The design phase will begin in November 2024, with anticipated completion in February 2026. Construction is expected to start in June 2026 and be completed by June 2028.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Evaluation Matrix
CIP Page
Contract
Presentation