OSO WATER RECLAMATION PLANT OPERATIONS AND CONTROL CENTER

PROFESSIONAL SERVICES CONTRACT

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Director of Water System Infrastructure

November 11, 2025

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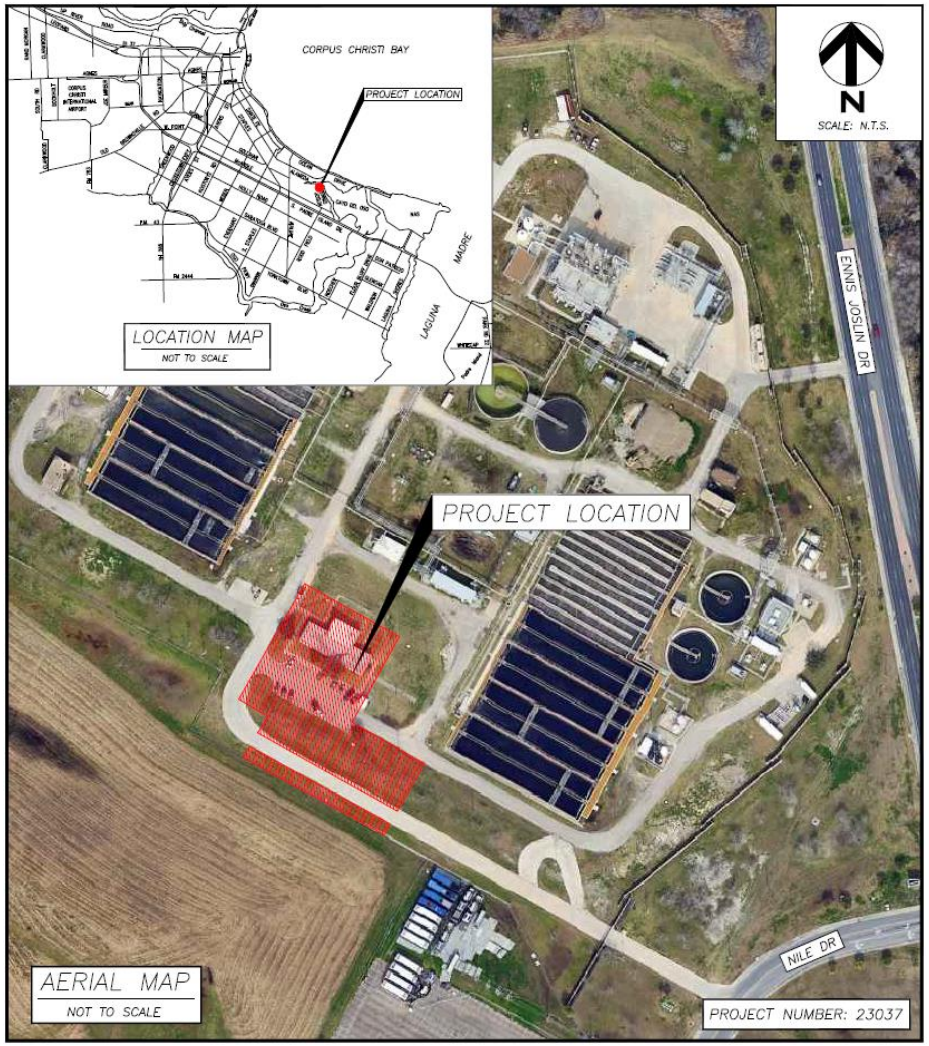
PROJECT LOCATION



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BACKGROUND

- The Oso Water Reclamation Plant (WRP) staff are responsible for operating critical infrastructure to maintain safe wastewater treatment processes
- The existing operations and control center was built in the 1940s
- The building is approximately 4,100 square feet and houses 22 full-time employees
- The facility lacks sufficient space to meet current operational and maintenance needs

- Space limitations and safety concerns negatively impact functionality and efficiency
  - Substandard laboratory
  - Inadequate SCADA controls
  - Insufficient storage area
  - Undersized workspaces and restrooms

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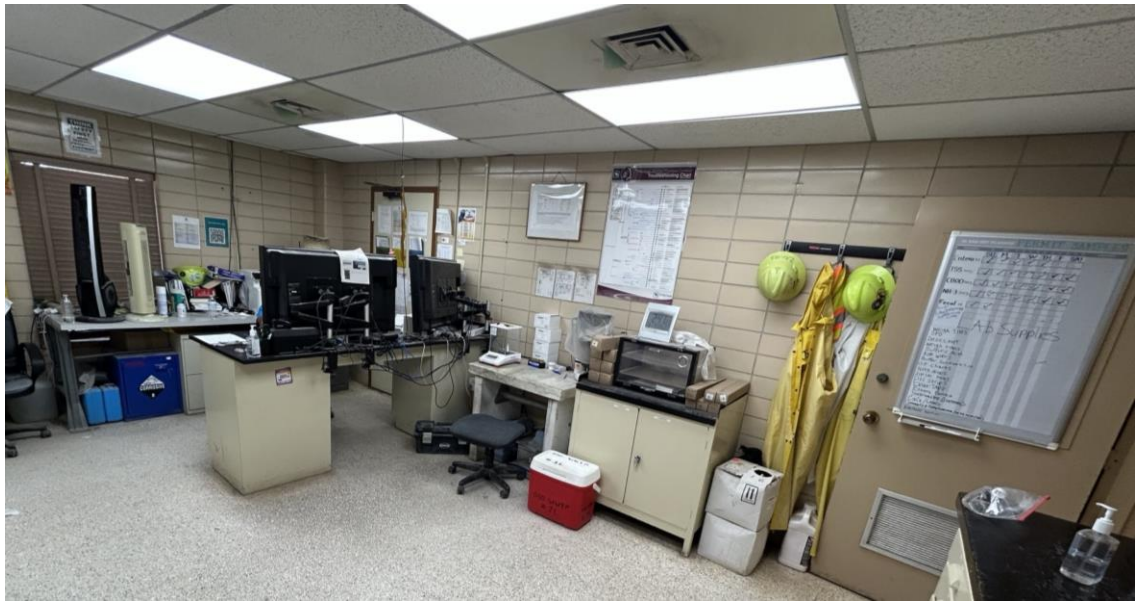
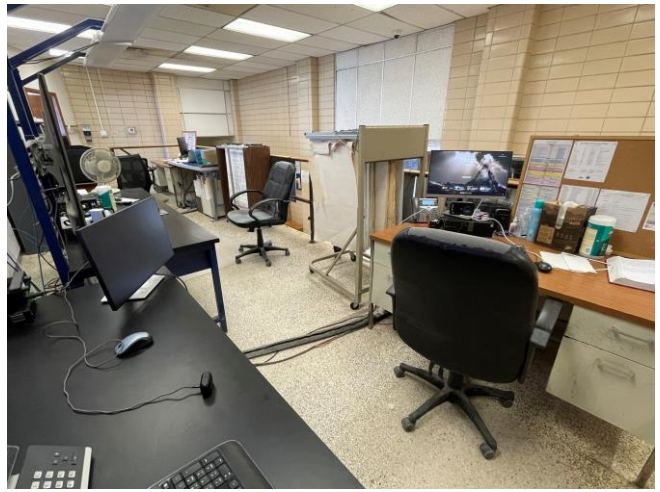
EXISTING LAB SPACE

The TCEQ permit and process control testing lab exhibits several potential areas of concern that could impact efficiency and safety. Limited and cluttered workspace, with proximity of computer workstations to wet lab activities, increases the risk of accidents, equipment damage, and cross-contamination.



OPERATIONS AND CONTROL CENTER

Multi-employee workspace presents concerns due to narrow and limited space, outdated operational control systems, and ineffective operator interfaces.



The lack of adequate meeting spaces or conference areas can lead to poor communication, and lack of effective daily planning and plant oversight

EXISTING STORAGE SPACE

The storage area suffers from significant space limitations. Overcrowding is evident throughout, with narrow aisles severely restricting movement and access to stored items. This congestion not only hinders efficient retrieval and stocking but also creates potential bottlenecks and safety hazards. The limited space necessitates high stacking and deep shelving, further complicating access and increasing the risk of items falling.

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EXISTING EMPLOYEE SPACE

The break room configuration presents certain limitations that may detract from its intended function as a space for employee respite. The restricted seating capacity around the available tables, coupled with the spatial demands of appliances and storage, potentially compromises user comfort and ease of movement.

The changing area for 22 full time employees has limited space and mobility for employees to put on PPE and lacks privacy for the employees.

PROJECT SCOPE

Design and construct a new 6,700 SF facility at the Oso WRP to provide safe, adequate, and functional working spaces for plant staff to efficiently operate plant infrastructure, monitor and control wastewater treatment processes, and perform lab analysis of water samples to ensure effluent meets TCEQ standards.

New facility to include...

- Large Laboratory
- SCADA Control Room
- Administrative Areas
- Storage Room
- Conference Room
- Breakroom
- Restrooms

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PROJECT TIMELINE

2025-2026	2026	2026-2028
November - May	**June - October**	**November - January**
Design	**Bid/Award**	**Construction**

Project schedule reflects City Council award in November 2025 with anticipated construction completion in January 2028.

STAFF RECOMMENDATION

Staff recommends approval of the professional services contract with Cotton Landreth Architects, Inc., dba CLK Architects & Associates of Corpus Christi, Texas for the Oso Water Reclamation Plant Operations & Control Center project in the amount not to exceed $391,450.00. The fiscal impact for FY 2026 is an amount of $391,450.00, with funding available through the Wastewater Capital Fund.

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Thank you

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