



COUNCIL WATER COMMITTEE

Groundwater Recharge Project

July 10, 2025

Agenda Item No. 25-0762

MUNICIPAL UTILITIES DEPARTMENT (MUD)

Department Description

Water Utility

- Treat & deliver high-quality drinking water to the community

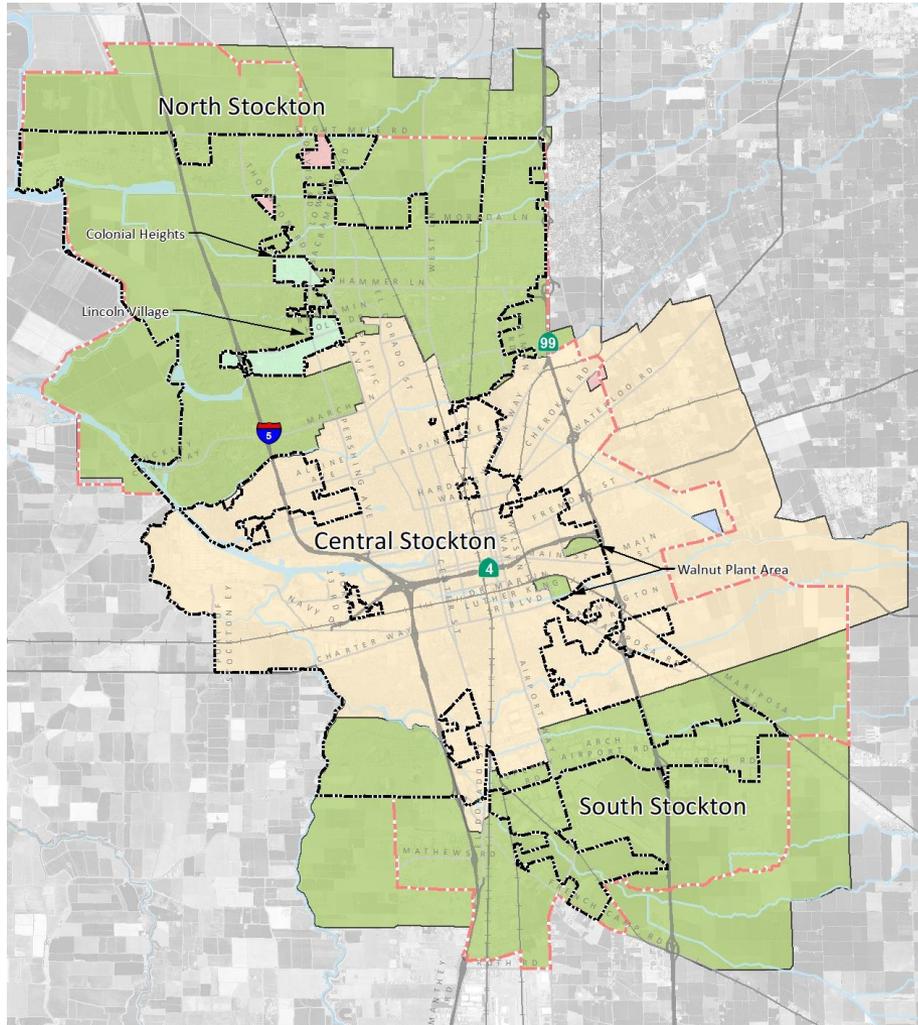
Wastewater Utility

- Collect, treat and recover wastewater for the greater Stockton area

Stormwater Utility

- Collect & discharge surface runoff in City to rivers and local flood basins

CITY OF STOCKTON WATER SERVICE AREAS



- **MUD** serves North and South Stockton
- **California Water Service Company** serves Central Stockton

DRINKING WATER - SURFACE WATER SOURCES

San Joaquin and Mokelumne Rivers

- Treated at City's Delta Water Treatment Plant

Calaveras and Stanislaus Rivers

- Treated at Stockton East Water District Water Treatment Plant



DRINKING WATER - GROUNDWATER SUPPLIES



- Groundwater wells ensure continued water supply, quality, reliability, and drought resiliency for the City.
- Used conjunctively with surface water supplies
- **North Stockton** - 6 active wells
- **South Stockton** - 3 active wells

GROUNDWATER RECHARGE BASINS

- **Project** – Groundwater Recharge Basins
- **Location** – Delta Water Treatment Plant
- **Project Cost** - \$11.4M
- **Project Completion** – 2027
- **Facilities**
 - 3 Groundwater Recharge Ponds
 - Visitor information Center
 - Viewing area and a walking trail around 1 recharge pond



PROJECT BENEFITS

- Supports and aligns with the Groundwater Sustainability Plan (GSP)
- Protects the City's existing Delta Intake water right
- Enables groundwater banking using water from alternative sources such as the Mokelumne River
- Provides up to 21,000 acre-feet of groundwater recharge annually
- Enhances drought resilience
- Promotes public outreach and education
- Offers multi-benefit use, including the creation of wildlife habitat

GRANTS

- **Integrated Regional Water Management Grant**
 - \$1,900,000
 - Design and Construction phase
- **Sustainable Groundwater Management Grant**
 - \$300,000
 - Design phase of the project
- **WaterSMART Water and Energy Efficiency Grant**
 - \$400,000
 - Design phase of the project



— BUREAU OF —
RECLAMATION



CALIFORNIA DEPARTMENT OF
WATER RESOURCES



SITE PLAN



PIXLEY RAW WATER FEED

(E) 54" DELTA PIPELINE

DELTA RAW WATER FEED

LEGEND

-  PIXLEY RAW WATER FEED
-  DELTA RAW WATER FEED

VISITOR CENTER AND LANDSCAPING

RECHARGE BASIN No. 1

RECHARGE BASIN No. 2

RECHARGE BASIN No. 3

(E) 48" PIXLEY PIPELINE

NORTHERN ENTRANCE GATE

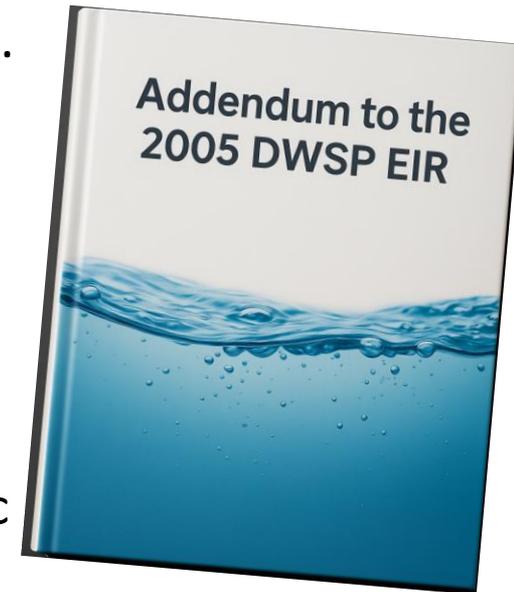
BIRD HABITAT ISLANDS (TYP)

SOUTHERN ENTRANCE GATE



APPROVE ADDENDUM TO THE 2005 DWSP EIR

- The City certified a Program Environmental Impact Report (EIR) for the Stockton Delta Water Supply Project (DWSP) in October 2005.
- HELIX Environmental Planning, Inc. prepared an Addendum on behalf of the City of Stockton
- The addendum includes mitigation efforts the City must comply with before and during construction
- The addendum complies with California Public Resources Code (PRC) Section 21166 and CEQA Guidelines Sections 15152 and 15162.
- Stockton City Council can approve the addendum without a public hearing.



CONSTRUCTION MANAGEMENT

- Six proposals were received on May 29, 2025.
- A committee of MUD staff reviewed and scored the proposals.
- Procurement tabulated the final scores, incorporating points for cost and local preference.
- Inferrera Construction Management, Inc. (ICM) was identified as the most qualified vendor.
- The proposed fee schedule is estimated at \$728,760.
- An Intent to Award letter has been issued to ICM.

DESIGN CHANGES FROM ORIGINAL CONTRACT

- Added connection and control facilities from the Woodbridge Irrigation District's Pixley Pipeline.
- Included new interconnections between recharge ponds to enhance operational flexibility.
- Enhanced the functionality of the visitor center to create a more park-like atmosphere.
- The visitor center will feature project information and serve as an educational destination for students and the public.

CONTRACT CHANGE ORDER



CONTRACT CHANGE ORDER... continued



CONTRACT CHANGE ORDER... continued

<u>No.</u>	<u>Description</u>	<u>Total Cost</u>
1	Cost Expended to develop electrical scope expansion Pixley pipeline and Landscape Scope	\$148,000.00
2	Pixley Pipeline	\$1,332,000.00
3	Additional Dry Wells	\$180,000.00
4	Pond Equalization Crossings	\$230,000.00
5	Additional Fencing Cost	\$225,000.00
6	Modifications to RW line: Added ARV & Vaults	\$160,000.00
7	Increase in Electrical Scope	\$1,921,000.00
8	Additional Increase in Engineering cost due to increased scope	\$363,000.00
9	SCADA Costs (Budget)	\$50,000.00
10	Credits from Original Contract	\$(943,390.00)
11	Cost for Bonds & Insurance & Fee	\$239,955.00
Total		\$3,914,565.00

CONTRACT CHANGE ORDER... continued

Original Contract	\$ 11,438,248.00
Project functionality Expansion	\$ 3,914,565.00
Visitor Center & Landscape	\$ 1,800,000.00
New Contract Amount	\$ 17,152,813.00

RECOMMENDATION

- Recommend the following to City Council:
 - Approve the addendum to the 2005 DWSP EIR
 - Awarding a contract to ICM as the construction manager
 - Approve a contract change order to Gateway Pacific