

**BOARD OF MANAGERS MEETING  
CANYON REGIONAL WATER AUTHORITY**

**Wednesday, March 5, 2025  
CRWA ADMINISTRATIVE BUILDING  
850 Lakeside Pass, New Braunfels, Texas 78130**

This Notice is posted pursuant to the Texas Open Meeting Act. (TEX. REV. CIV. STAT. ANN. Chapter 551, Section 31.) The Canyon Regional Water Authority will hold an in-person meeting at **10:00 AM Wednesday, March 5, 2025**, regarding provisions of the Texas Open meetings act. Additional information can be obtained by calling: (830) 609-0543.

The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

**Item**

- 1 Open Meeting & Corrections to February 5, 2025, Meeting Notes (Justin Ivicic)**
- 2 Water Precipitation/Drought Update: (Adam Telfer)**
  - A. Precipitation update
  - B. GBRA In-Out Basin Report
  - C. Drought and Canyon Lake update
- 3 General Construction / Design Projects:**
  - A. **Construction Committee Report and/or Recommendations (Brandon Rohan)**
    - a. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Project
    - b. TxDOT/CRWA FM 1518 Transmission Line Project
    - c. TxDOT/CRWA IH-10 Conflict at Channel D
    - d. Hays Caldwell Pipeline
- 4 Treated Water Production Update: (Adam Telfer)**
  - A. **Current Water Treatment Operation**
    - a. Lake Dunlap WTP
    - b. Wells Ranch WTP
    - c. Hays Caldwell WTP
- 5 Water Treatment Plant Improvement Projects: (Brandon Rohan)**
  - A. **Lake Dunlap WTP**
    - a. Interconnect Water Line (ARWA)
    - b. Additional Membrane/WTP Upgrade
    - c. GST Rehabilitation
  - B. **Wells Ranch WTP**
    - a. Emergency Generator Project
  - C. **Hays Caldwell WTP**
    - a. Tank Construction D/N
    - b. Membrane Filter Upgrade
    - c. Pilot Study
- 6 Wells Ranch (Kerry Averyt)**
  - A. Well Upgrade Project
  - B. Wells Ranch III Infrastructure Upgrades
  - C. Blumberg Project
- 7 General Topics/Meetings (Kerry Averyt)**
  - A. THM Reduction
- 8 Items for the next Board of Managers meeting or the Board of Trustees Meeting**
  - A. Appointments to the Board of Manager's due May 1, 2025
- 9 Announcements and Adjourn**

# **BOARD OF MANAGERS MEETING MINUTES CANYON REGIONAL WATER AUTHORITY**

**Wednesday, February 5, 2025  
CRWA ADMINISTRATIVE BUILDING  
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The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:




















## **Item**

- 1 Open Meeting & Corrections to January 8, 2025, Meeting Notes (Justin Ivicic)**
  - » Justin Ivicic opened the meeting at 10:00 AM.
- 2 Water Precipitation/Drought Update: (Kerry Averyt)**
  - A. Precipitation update
  - B. GBRA In-Out Basin Report
  - C. Drought and Canyon Lake update
  - » Adam Telfer gave an update on the drought report. Extreme drought conditions continue to grow in the Upper San Antonio and Guadalupe Basins. GBRA has entered Stage 4 drought restrictions. There was a little over 1.5" of rain above Canyon Lake. Mr. Telfer spoke with GBRA regarding in-flow and out-flow of Canyon Lake. GBRA told Mr. Telfer that the average year needs to have 90 CSF flowing into the Lake and 90 CSF coming out to maintain the level, however, there needs to be more than 90 CSF to gain in the Lake.
- 3 General Construction / Design Projects:**
  - A. **Construction Committee Report and/or Recommendations (Brandon Rohan)**
    - a. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Project
    - b. TxDOT/CRWA FM 1518 Transmission Line Project
    - c. TxDOT/CRWA IH-10 Conflict at Channel D
    - d. Hays Caldwell Pipeline
  - » Brandon Rohan gave an update on the current construction projects. The Santa Clara portion of the IH-10 project is complete, and they are waiting on HDPE pipe for the bore for the Zuehl portion. The FM 1518 Transmission Line Project is complete and is waiting on revegetation. Utility Engineering Group (UEG) has reviewed the 100% plans with CRWA Staff for the Channel D project. There will be an amendment to the existing TXDOT agreement. The project should be 100% reimbursable. There have been no easements acquired for the Hays Caldwell Pipeline yet. There is one easement from a developer that may be difficult to acquire. There is another parcel that is owned by several heirs, so it may take longer to acquire.
- 4 Treated Water Production Update: (Kerry Averyt)**
  - A. Current Water Treatment Operations
    - b. Lake Dunlap WTP
    - c. Wells Ranch WTP
    - d. Hays Caldwell WTP and Pall Mobile Unit
  - » Lake Dunlap WTP: Lake Dunlap WTP pumped over 200 million gallons. 5% of the GBRA raw water was used, and this fell below what the usage will need to be with the 15% reduction. Usage trended below the previous year (January 2024).
  - » Wells Ranch WTP: Wells Ranch WTP pumped 270 million gallons. About 6% of the overall supply at Wells Ranch WTP has been used. Wells Ranch WTP produced close to the same, but a little less than the previous year.
  - » Hays Caldwell WTP: Hays Caldwell WTP pumped 57 million gallons. Similarly to Wells Ranch WTP, 6% of the supply has been used. The Hays Caldwell WTP produced less this year than in January of 2024.
- 5 Water Treatment Plant Improvement Projects: (Brandon Rohan)**
  - A. **Lake Dunlap WTP**
    - a. Interconnect Water Line (ARWA)
    - b. Additional Membrane/WTP Upgrade
  - B. **Wells Ranch WTP**
    - a. Emergency Generator Project

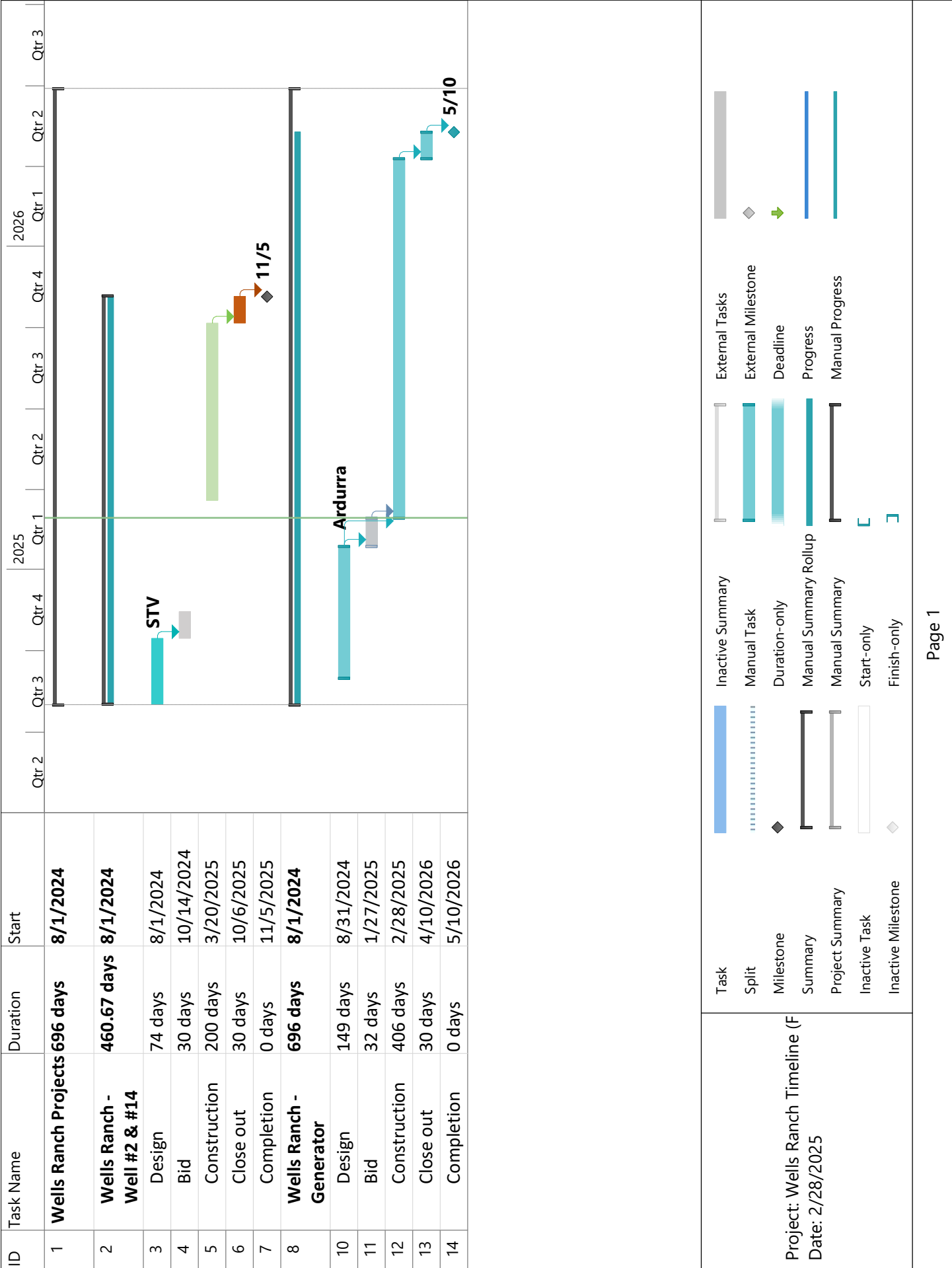
- C. **Hays Caldwell WTP**
    - a. Tank Construction D/N
    - b. Membrane Filter Upgrade
    - c. Pilot Study
  - » Lake Dunlap WTP: There is no change in status regarding the ARWA Interconnect. CRWA Staff has received a draft scope of work from Garver relating to the additional membranes and water treatment plant upgrades. Staff is looking to get it finalized to negotiate a fee with Garver to get started as soon as possible. These upgrades will also include the ground Storage Tank Rehabilitation. The initial cost estimate for the strainers was \$920,000, which was in the budget, but later in design the estimation rose to \$1.3 million. Bids for this project were opened yesterday (2/4), and the lowest bid was \$2.7 million. Garver will need to look through the bids and see where the discrepancies are.
  - » Wells Ranch WTP: The Emergency Generator Project is currently out for bid, and bids are due February 28<sup>th</sup>. There is a pre-bid meeting on February 6<sup>th</sup>. Funding for the project will still need to be decided. There is a meeting today with the Wells Ranch participants to discuss this further. Adam Telfer showed a spreadsheet of how much the wells will be able to produce when the Emergency Generator Project is completed. The generators that are currently sitting at Lake Dunlap WTP will be moved to Wells Ranch WTP for Wells #5 and #13.
  - » Hays Caldwell WTP: The tank construction is moving forward. The report provided by Cobb Fendley shows multiple pictures documenting the process. There were no new challenges identified regarding Phase 1 at the Construction Committee meeting. CRWA Staff has decided to reevaluate the issue with the overflow structure once the project is complete, and look for a solution rather than incorporate it into this project. The Pilot Study will begin in April 2025 with a final completion date in July 2027 for the Membranes. The pilot process is a requirement from TCEQ. CRWA Staff has received bids for the ozone portion of the project. There was no OPCC for the project. The lowest bidder was approximately \$9.63 million. There were 2 total bids. Since the costs were so high, Ardurra is going to generate an OPCC to see where the cost difference is, since it was higher than anticipated.
- 6 Wells Ranch Project III (Kerry Averyt)**
- A. Christian Well (920 AF)
  - B. Wells Ranch Infrastructure Upgrades
  - » They are still working on submittals. The project is on track to begin mobilization in May 2025 for the 920 AF.
  - » STV should have a preliminary report on the study to CRWA by next week. Mr. Averyt will schedule a meeting with the Wells Ranch III members to discuss it.
- 7 General Topics/Meetings (Kerry Averyt)**
- A. THM Reduction
  - » There are no new updates on THM reduction.
- 8 Items for the next Board of Managers meeting or the Board of Trustees Meeting**
- 9 Announcements and Adjourn**
- » Justin Ivicic adjourned the meeting approximately at 11:01 AM.

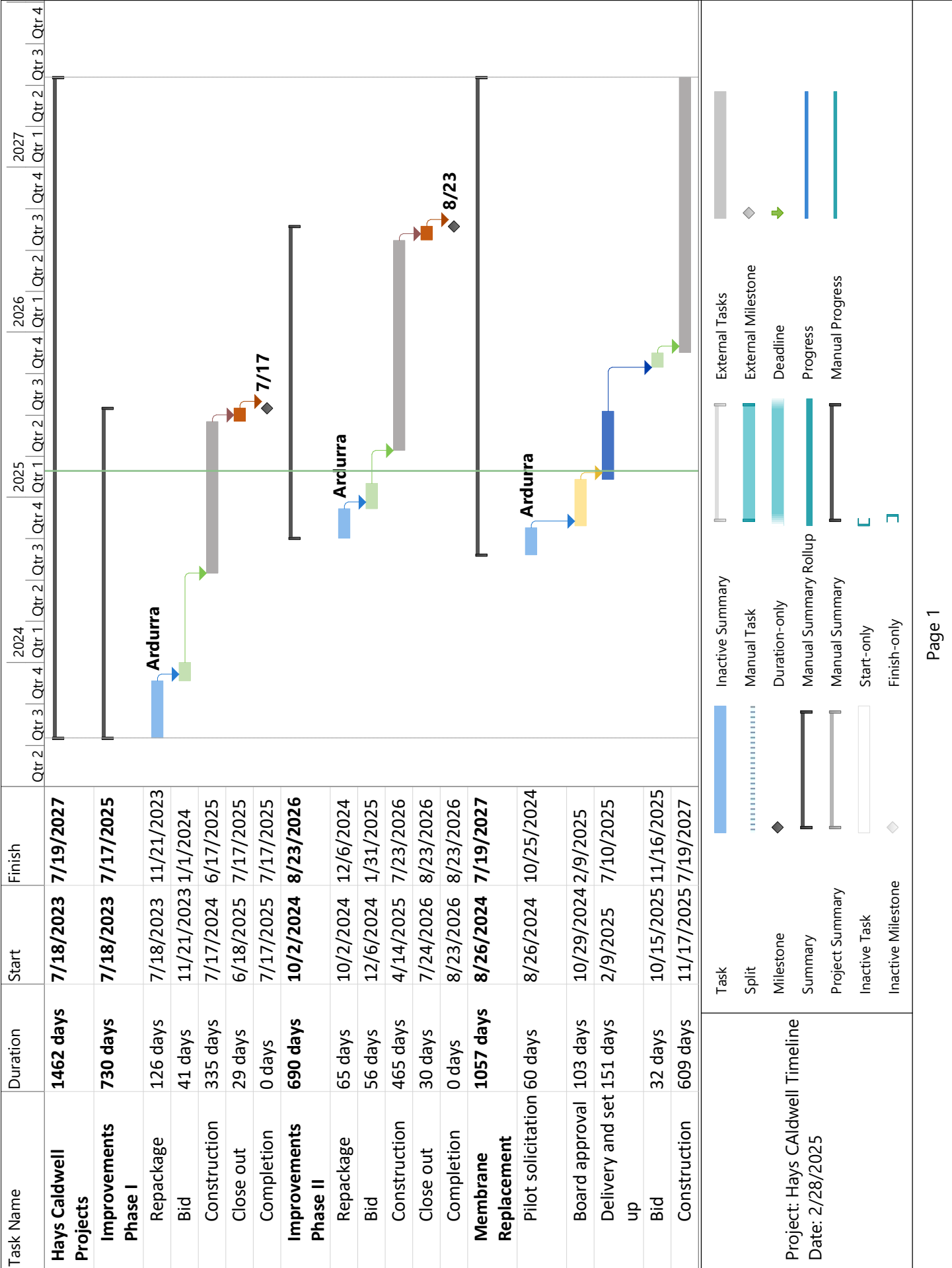
# Lake Dunlap Water Treatment Plant

ID	Task Name	Duration	Start	Finish
1	Lake Dunlap Projects	637 days	8/12/2024	3/1/2026
2	Filter Strainers	414.13 days	8/12/2024	8/15/2025
3	Design	85 days	8/12/2024	12/6/2024
4	Bid	35 days	1/28/2025	2/28/2025
5	Construction	180 days	3/1/2025	8/7/2025
6	Close out	8 days	8/8/2025	8/15/2025
7	Completion	0 days	8/15/2025	8/15/2025
8	Nanostone Improvements	546 days	11/1/2024	3/1/2026
9	Design	150 days	11/1/2024	5/29/2025
10	Bid	30 days	5/30/2025	6/25/2025
11	Construction	250 days	6/25/2025	2/2/2026
12	Close out	30 days	2/2/2026	3/1/2026
13	Completion	0 days	3/1/2026	3/1/2026

Task		Inactive Task		Manual Summary Rollup		External Milestone	
Split		Inactive Milestone		Manual Summary		Deadline	
Milestone		Inactive Summary		Start-only		Progress	
Summary		Manual Task		Finish-only		Manual Progress	
Project Summary		Duration-only		External Tasks			







CRWA Pipeline Projects									
ID	Task Name	Duration	Start	Finish	2024				2025
					Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	CRWA Pipeline Projects	1101.38 days	2/1/2023	10/6/2025					
2	FM 1518 Relocation	732.38 days	2/1/2023	11/12/2024					
3	Design	45 days	11/1/2023	1/2/2024					
4	Bid	30 days	1/3/2024	1/29/2024					
5	Construction	150 days	2/13/2024	6/25/2024					
6	Close out	30 days	9/27/2024	10/23/2024					
7	Completion	133 days	11/2/2024	2/28/2025					
8	Zuehl Relocation	275.63 days	11/27/2023	7/28/2024					
9	Design	27 days	11/27/2023	1/2/2024					
10	Bid	30 days	1/3/2024	1/29/2024					
11	Construction	150 days	2/29/2024	7/11/2024					
12	Days over completion	262.13 days	7/11/2024	2/28/2025					
13	Close out	30 days	7/11/2024	8/6/2024					
14	Completion	0 days	8/6/2024	8/6/2024					
15	TxDOT/CRWA IH-10 Conflict at Channel-D	360 days	10/8/2024	8/23/2025					
16	Design	80 days	10/8/2024	1/27/2025					
17	Bid	84 days	1/28/2025	4/12/2025					
18	Construction	120 days	4/12/2025	7/28/2025					
19	Close out	30 days	7/28/2025	8/23/2025					
20	Completion	0 days	8/23/2025	8/23/2025					
21	Hays Caldwell - Pipeline	456.75 days	8/27/2024	10/6/2025					
22	Design	140 days	8/27/2024	3/10/2025					
23	Bid	50 days	4/10/2025	5/24/2025					
24	Construction	136 days	5/25/2025	9/22/2025					
25	Close out	5 days	10/2/2025	10/6/2025					
26	Completion	0 days	10/6/2025	10/6/2025					
Project: CRWA Pipeline Projects Date: 2/28/2025			Task		Project Summary	Inactive Task	Inactive Milestone	Inactive Summary	
			Split		Task	.....	◆	┌	
			Milestone						
			Summary						
			Manual Task		Manual Task	Duration-only	Manual Summary Rollup	Manual Summary	
			Start-only		Start-only	Finish-only	External Tasks	External Milestone	
			Deadline		Deadline	Progress	Manual Progress		



# PROJECT STATUS REPORTS

## PROJECT STATUS REPORT SUMMARY

### REPORT DATE

February 20, 2025

### PREPARED BY

David Kneuper, P.E. – Utility Engineering Group

## TXDOT/CRWA IH-10 (SANTA CLARA & ZUEHL) TRANSMISSION LINE ENCASEMENT STATUS SUMMARY

The project includes the addition of approximately 190 LF of steel split casing on the existing CRWA transmission main at Santa Clara Road and the relocation and encasement of approximately 200 LF of the transmission main at Zuehl Road. The project is required due to the reconstruction of the two intersections by the Texas Department of Transportation (TxDOT) with their IH-10 expansion project.

The project pre-construction meeting was held on 2/27/24. The project Notice-to-Proceed has been issued for 2/29/24, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. The Contractor mobilized to the site and started work on 4/23/24. As of 5/23/24, the Contractor has completed the split casing and pavement restoration work at the Santa Clara intersection.

The project bore and casing pipe installation was completed on 12/10/24. The Contractor is currently waiting for delivery of the HDPE pipe and fittings, as well as coordination with the tie-in sub-contractor, to complete the work at the site. UEG provided a notice to the Contractor on 7/16/24, on 8/29/24, 10/16/24, and most recently on 1/5/25, of the final completion date and outlined the requirements for delays in the Contractor's progress as provided in the contract documents. Finally, pipeline connection timing will be dependent on coordination with CRWA on timing of the tie-ins.

The contract amount is currently \$541,424.21, which includes the original bid and approved Change Order's No. 1 and No. 2, all of which are fully reimbursable. A request for reimbursement was submitted to TxDOT on 12/18/24 for a partial project payment in the amount of \$213,969.43.

## TXDOT/CRWA FM 1518 TRANSMISSION LINE RELOCATION STATUS SUMMARY

The project includes the offset and bore of a new section of 30-Inch CRWA transmission main, approximately 250 LF, across FM 1518 at the intersection with Lower Seguin Road. The project is required due to the TxDOT widening of FM 1518 and associated drainage improvements.

The project Notice-to-Proceed was issued for 2/13/24, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. UEG prepared and submitted to the Contractor a project work area notice letter for their continued use of adjacent property outside of the identified project construction limits and CRWA easement. A second project work area notice was issued on 6/28/24. UEG provided a notice to the Contractor on 7/15/24, 8/29/24, 10/17/24, and

most recently on 1/6/25 of the final completion date and outlined the requirements for delays in the Contractor's progress as provided in the contract documents.

All work has been completed on the project except for the establishment of vegetation and restoration of the project site. A project walk through was held on 10/23/24 and the project substantial completion letter was also provided on 10/23/24.

The current construction contract amount is \$634,121.15 based on Change Order No. 1 (-106,537.24) and Change Order No. 2 (\$9,237.60). A request for reimbursement was submitted to TxDOT on 12/17/24 for a partial project payment in the amount of \$116,553.40.

#### TXDOT IH-10 CRWA CONFLICT AT CHANNEL D RELOCATION STATUS SUMMARY

The project includes the relocation design of CRWA's existing 30" water transmission main that crosses IH-10, just west of the intersection of Santa Clara Road and IH-35. The existing 30" transmission main was originally constructed with CRWA's IH-10 Bore Crossing Project in 2014. The relocation will include approximately 500 linear feet of 30" transmission main, associated casing pipe, and connections to the existing CRWA 24" concrete pressure pipe (C303) along IH-10 as well as the existing 30" ductile iron main running perpendicular to the highway. This proposed relocation is required due to a conflict with TxDOT's proposed Channel D, along the east bound frontage road at TxDOT centerline STA 15102+70. The proposed drainage improvements are associated with TxDOT's IH-10 expansion project between the Cibolo Creek and Linne Road (TxDOT Project No. CSJ 0025-03-097).

Utility Engineering Group was authorized by CRWA on 10/8/24 to begin work on the project. UEG's survey sub-consultant provided the project existing conditions survey file to UEG on 1/2/25. UEG is currently preparing a preliminary relocation plan set and TxDOT Standard Agreement - Supplemental Agreement based on updated TxDOT design files received on 12/10. UEG anticipates completion of the preliminary relocation plans and supplemental agreement, for CRWA review, in early March.



## **GALLEGOS ENGINEERING, INC.**

Firm No. F-003084

P.O. BOX 690067  
SAN ANTONIO, TEXAS 78269

210-641-0812 PH

### **FEBRUARY 2025 MONTHLY REPORT**

**DATE:** February 20, 2025

**TO:** Kerry Averyt, General Manager  
Canyon Regional Water Authority

**FROM:** Richard M. Gallegos, P.E.  
President, Gallegos Engineering, Inc.

**SUBJECT:** Hays/Caldwell Reedville 12" Pipeline, PHASE 1

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Since the last update, we have continued working on the contract specifications including the technical specifications and should have them complete by the end of February 2024.

We completed the water pipeline construction plans and provided a check set to CRWA Mid-January 2025 for final review and comment.

**At the time of this memo the overall project is currently still on schedule.**




1

## Project Updates

HC WTP Facility Improvements:

- Phase 1 Construction Status
  - Received 71 submittals and 69 have been reviewed and returned.
  - Received 6 RFIs and all have been reviewed and returned.
  - Attended monthly construction meetings.
  - Reviewed and processed pay applications.



2

## Project Updates

### HC WTP Facility Improvements:

- Phase 2 Improvements Bidding Schedule
  - Addressed bidder questions and issued addenda.
  - Received two bid proposals on Jan 31, 2025 from Keeley Construction and Keystone Construction.
  - Bid review is complete by Ardurra and will go over with CRWA Staff to finalize the award recommendation letter.



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## Project Updates

### HC WTP Membrane Replacement Project:

- The pilot SOQ was received on September 23, 2024.
- Ardurra completed review of SOQ packages received.
- CRWA decided to proceed with piloting three vendors: Pall, Memcor, and H2O/Toray.



4



## Project Updates

### Wells Ranch II Emergency Generator Improvements:

- Project advertised on 1/27/2025.
- Addressing bidding questions and issued two addenda.
- Bid opening will be on 2/28/2025.



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## Project Updates

### TWDB DWSRF Application:

- Project Information Form (PIF) submitted on March 1, 2024.
- Two separate PIFs, one for HC WTP Expansion (Phase 2 +Membrane), and one for Pipeline.
- Both projects are on TWDB Intended Use Plan list.



6



Questions?



Mr. Kerry Averyt  
General Manager  
Canyon Regional Water Authority  
850 Lakeside Pass  
New Braunfels, TX 78130

Subject: **Bid Proposal Review for:  
Hays/Caldwell Improvements Project  
Phase 2 (ID: HC Phase 2)**

Dear Mr. Averyt:

On January 31, 2025 bid proposals were received for the construction of the above referenced project. The work consists of the construction of an ozone system, related components and appurtenances, yard piping, and associated structural, building mechanical, electrical, instrumentation, control, and site civil improvements and all other necessary appurtenances for a fully functioning facility as described in the Contract Drawings and Specifications.

Two (2) construction firms submitted proposals for this work: Keeley Construction Group, Inc. and Keystone Construction Services, LP. The proposals were checked for completeness and for mathematical errors and bid irregularities. The proposal prices are summarized as follows along with Engineer's OPCC dated February 2025. The bid prices are within 5-10% of engineer's OPCC.

	Engineer's OPCC (February 2025)	Keeley Construction Group, Inc.	Keystone Construction Services, LP
Total Base Bid Price	\$9,759,500.00	\$9,065,875.00	\$10,468,000.00
Additive Alternate Bid Price	\$341,000.00	\$565,000.00	\$680,000.00
Total Base Bid + Additive Alternate Bid Price	\$10,100,500.00	\$9,630,875.00	\$11,148,000.00

CRWA indicated that the bid prices are higher than what's initially anticipated. The following factors are identified.

- The project design was completed in 2023. Due to funding limitation, CRWA decided to break down the project into phases. The Phase 1 GST improvements was bid in December 2023 and is currently under construction. The Phase 2 is for Ozone Improvements and was advertised in November 2024. In the process of preparing bid package for the Phase 2 advertisement, through final coordination with ozone equipment supplier, Primozone indicated the ozone system has evolved since the original design which required modifications to previous electrical and HVAC design to accommodate latest



design criteria (electrical loads, heat loads etc.), and led to changes in the wiring, different/additional I/O points, etc. All of which could add to the construction costs.

- As Ardurra previously mentioned, when breaking out only certain elements of the project package, the design will need to be adjusted to include a different approach as to what elements will be installed now versus later, and how that elements need to be reconfigured to make provisions and accommodate future elements. This could also incur additional costs that may not be necessary when a whole project is bid as a single package.
- Material escalation has been a continued trend especially in electrical market. Copper has been considered volatile recently, with significant price swings throughout 2024, primarily driven by market sentiment and speculation around factors like supply chain disruptions, and the growing demand for copper in renewable energy sectors. As countries push for carbon neutrality, the demand for copper used in electric vehicles, wind turbines, and solar power systems has surged. This volatility is expected to continue into 2025.
- Labor costs in construction are exploding. We are hearing contractors are unable to keep their crews because of people jumping from one contractor to another.
- Contractors don't seem to have as much competition insofar especially for small projects that they can be more selective about which jobs they chase. That lack of competition drives up pricing.

We have completed our initial review and scoring of each proposal based on established CSP criteria and would like to obtain CRWA staff input to finalize the scores and make final recommendation of award. The proposal scoring sheet is attached to this letter for CRWA's review.

We appreciate the opportunity to continue to work with CRWA on this project, and will be happy to discuss bid evaluation in further details. Should you have any questions or need further information, please call me at 713-208-9463, or by email [ysun@ardurra.com](mailto:ysun@ardurra.com)

Very truly yours,

Yue Sun, P.E., BCEE  
Project Director  
TBPE Firm Registration No F-10053  
cc: File - Ardurra

CANYON REGIONAL WATER AUTHORITY

HAYS/CALDWELL WATER TREATMENT PLANT - PHASE 2 IMPROVEMENTS

1.2 PROPOSAL PRICING/SCHEDULE BASE PROPOSAL

BID ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT QTY.	Engineer OPCC Dated - Feb. 2025		Keeley Construction		Keystone Construction	
				UNIT PRICE PER ITEM	TOTAL COST PER ITEM	UNIT PRICE PER ITEM	TOTAL COST PER ITEM	UNIT PRICE PER ITEM	TOTAL COST PER ITEM
1	Mobilization, Bonds and Insurance (not to exceed 5% of Total Bid Amount)	LS	1	\$505,000.00 \$	505,000.00 \$	480,000.00 \$	480,000.00 \$	500,000.00 \$	500,000.00 \$
2	Installation of Stormwater Pollution Prevention Plan (SWPPP) control measures to comply with requirement of the SWPPP including furnish all materials and incidents.	LS	1	\$28,000.00 \$	28,000.00 \$	14,500.00 \$	14,500.00 \$	10,000.00 \$	10,000.00 \$
3	Construction and installation of a new ozone generation system which consists of a) an Ozone Building to house ozone generation equipment and new electrical room, associated process mechanical equipment, valves and piping, architectural, structural, HVAC, electrical, instrumentation control and SCADA integration; b) a Contact/Off-gas Structures and Ozone Destruct Structure; c) liquid oxygen containment equipment pad; and d) installation of Ozone Generation and Feed System Equipment, and start-up and testing planning and execution including all coordination of testing, startup planning and coordination, and successful startup, testing and acceptance of new and modified systems as shown on the Drawings and specified herein. Exclude procurement costs for the Ozone Generation system equipment as described under Item 7, complete in place.	LS	1	\$6,219,000.00 \$	6,219,000.00 \$	5,568,000.00 \$	5,568,000.00 \$	6,974,250.00 \$	6,974,250.00 \$
4	Yard piping modifications and improvements as shown on the Drawings and specified herein.	LS	1	\$765,000.00 \$	765,000.00 \$	750,000.00 \$	750,000.00 \$	800,000.00 \$	800,000.00 \$
5	Miscellaneous site civil improvements including demolition, erosion control, site restoration, paving, grading, drainage, etc. as shown on the Drawings and specified herein.	LS	1	\$108,000.00 \$	108,000.00 \$	120,000.00 \$	120,000.00 \$	50,000.00 \$	50,000.00 \$
6	Furnish all labor, equipment, materials, tools and professional engineer's services to provide trench safety (all depths and pipe sizes) in accordance with all applicable City, State and Federal laws, ordinances, rules and guidelines, complete in place.	LF	375	\$12.00 \$	4,500.00 \$	9.00 \$	3,375.00 \$	10.00 \$	3,750.00 \$
7	Ozone Generation and Feed System Equipment Package as defined on the Drawings and in Section 11.20.2 of the Contract Specifications.	LS	1	\$2,130,000.00 \$	2,130,000.00 \$	2,130,000.00 \$	2,130,000.00 \$	2,130,000.00 \$	2,130,000.00 \$
<b>Total Base Proposal Amount</b>					<b>\$9,759,500.00</b>		<b>\$9,065,875.00</b>		<b>\$10,468,000.00</b>

1.3 ADDITIVE ALTERNATIVE PROPOSAL ITEMS

BID ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT QTY.	Engineer OPCC Dated - Feb. 2025		Keeley Construction		Keystone Construction	
				UNIT PRICE PER ITEM	TOTAL COST PER ITEM	UNIT PRICE PER ITEM	TOTAL COST PER ITEM	UNIT PRICE PER ITEM	TOTAL COST PER ITEM
1	Rehabilitation of the existing 1-MG steel ground storage tank.	LS	1	\$341,000.00 \$	341,000.00 \$	565,000.00 \$	565,000.00 \$	680,000.00 \$	680,000.00 \$
<b>Total Additive Alternate Proposal Amount</b>					<b>\$341,000.00</b>		<b>\$565,000.00</b>		<b>\$680,000.00</b>
<b>TOTAL BASE + ADDITIVE ALTERNATE PROPOSAL AMOUNT</b>					<b>\$10,100,500.00</b>		<b>\$9,630,875.00</b>		<b>\$11,148,000.00</b>



## Project Status Report to Canyon Regional Water Authority

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**Reporting Date:** February 20<sup>th</sup>, 2025

**Project Name:** Hays / Caldwell Water Treatment Plant Improvements, Phase 1

**Project Manager:** Stanley Fees, P.E.      **Lead Technical Professional:** Christopher Weeks, P.E.

**Construction Administrator:** Cobb, Fendley & Associates, Inc.

**Design Consultant:** Ardurra Group, Inc.

**General Contractor:** DN Tanks, L.L.C.

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### Overall Scope of Work on this Project:

1. Construct one new 1.0 MG post-tensioned concrete Finished Water Ground Storage Tank.
2. Provide site grading; drainage swales; driveway culverts; a bio-retention cell with associated piping and vegetation; chain link fencing with gates; and site restoration.
3. Install yard piping modifications and improvements.
4. Construct driveway and roadway improvements.
5. Provide miscellaneous civil site improvements including site demolition, erosion control, and concrete foundations.
6. Provide miscellaneous electrical and instrumentation / controls improvements at the WTP.

### Construction Schedule:

The General Contractor's Schedule for Construction of the Ground Storage Tank and associated appurtenances is provided for review as Attachment No. 1A to this Project Status Report. It was updated by the Contractor on February 14<sup>th</sup>, 2025. Additionally, a "Three-Week Look Ahead Schedule" that was issued by the Contractor on February 17<sup>th</sup>, 2025, is provided for review as Attachment No. 1B to this Project Status Report.

### Completed Work Items To-Date (General):

- Erected and secured cast-in-place concrete Wall and Roof Dome Panel Structures.
- Poured concrete at Wall Slots, Roof Dome Slots, and the Roof Dome Ring.

### Near-Term Scheduled Work Items (General):

- Strip Dome Ring forms; load out Wall Slots.
- Shotcrete Core Wall; place Wire Winding Equipment.
- Layer A and DR-1 patch holes / wire cover.
- DR-2 / Layer 1 wall / patch holes / wire cover.
- DR-3 / Layer 1 wall / lower U-Heads / wire cover.
- Strip shoring; install winches on Roof Dome.
- Load out / strip wall braces.
- Prepare for Cove / form Cove / close Temporary Opening.
- Pour Cove / shoot Temporary Opening.

### **Summary of Geotechnical Testing and Concrete Strength Analysis completed To-Date:**

Concrete test cylinder compressive strength values for the Tank Foundation, Wall Panels, and Roof Dome Panels that were poured since the last reporting period are provided within a tabular format for review as Attachment No. 2 to this Project Status Report.

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### **Summary of Notes from Field Inspections completed To-Date:**

- Contractor poured concrete for Roof Dome Panels, including Access Hatch.
  - Contractor poured concrete to surround the Tank Overflow Pipe.
  - Contractor placed concrete Roof Dome Panels with crane.
  - Contractor installed Wall Slot Inserts between Wall Panels and trimmed away excess gasket material.
- 

### **Site Photos of Work Items completed To-Date:**

The Site Photos of work items completed for construction of the Ground Storage Tank and associated appurtenances since the last reporting period are provided within a group for review as Attachment No. 3 to this Project Status Report.

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### **Monthly Construction Progress Meeting:**

Construction Progress Meeting No. 04 was held virtually on February 13<sup>th</sup>, 2025, as an MS Teams Meeting. A copy of the Minutes from that meeting is provided for review as Attachment No. 4 to this Project Status Report.

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Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish
<b>1 - Administration/ Submittals/ Engineering</b>							
A2330	Contract Duration 365 Days	365	155	17-Jul-24A	18-Sep-25	17-Jul-24	
A3230	Obtain FAA Permit	365	217	17-Jul-24A	18-Sep-25	17-Jul-24	
A2350	Notice to Proceed	24	0	17-Jul-24A	06-Aug-24A	17-Jul-24	06-Aug-2
A2820	Administrative - Subcontracts Contract Preparation/ Execution	30	0	17-Jul-24A	01-Oct-24A	17-Jul-24	01-Oct-24
A2210	Tank Final Design Submittal	30	0	01-Aug-24A	03-Oct-24A	01-Aug-24	03-Oct-24
A2830	Obtain SWPPP Permit	30	0	23-Aug-24A	23-Aug-24A	23-Aug-24	23-Aug-2
A2220	Tank Final Design Submittal Review/ Approval	12	0	04-Oct-24A	22-Oct-24A	04-Oct-24	22-Oct-24
A3180	Punchlist	22	22	16-Jun-25	25-Jul-25		
A3430	Contractual Substantial Completion Date 06/16/2025	0	0		16-Jun-25*		
A3440	Projected Substantial Completion	0	0		19-Jun-25		
A2940	Contractual Final Completion 7/16/2025	0	0		16-Jul-25*		
A3170	Projected Final Completion	0	0		07-Aug-25		
<b>2 - Procurement</b>							
A2230	Keeley Procure Tank Underslab/ Yard Pipe	60	20	23-Sep-24A	21-Mar-25	23-Sep-24	
A3420	Keeley Procure Valves	128	20	23-Sep-24A	09-Dec-24A	23-Sep-24	09-Dec-2
<b>3 - Site Work</b>							
A2770	Instal SWPPP	4	4	26-Aug-24A	07-Aug-25	26-Aug-24	
A3380	Remove Existing Fence	2	0	26-Aug-24A	26-Aug-24A	26-Aug-24	26-Aug-2
A2880	Tank Excavation to Subgrade	10	0	30-Aug-24A	03-Sep-24A	30-Aug-24	27-Aug-2
A3400	Remove & Re-Compact 3'-0" of Native Soil	8	0	04-Sep-24A	11-Sep-24A	04-Sep-24	03-Sep-2
A3220	Instal Select Fill	10	0	12-Sep-24A	13-Sep-24A	12-Sep-24	11-Sep-2
A2960	Instal/ Grade Leveling Base	5	0	14-Sep-24A	23-Dec-24A	14-Sep-24	13-Sep-2
A1900	Instal GST Laydown / Casting/ Winding Track	10	0	17-Sep-24A	20-Sep-24A	17-Sep-24	23-Dec-2
A3370	Instal Underslab Piping	5	0	20-Nov-24A	12-Dec-24A	20-Nov-24	20-Sep-24
A3360	Remove Existing Trees	3	0	14-Feb-25	20-Feb-25		12-Dec-2
A3390	Remove Existing H/MAC	2	0	21-Feb-25	24-Feb-25		
A3350	Remove Existing Pavement Drive	8	0	25-Feb-25	10-Mar-25		
A3280	CRWA-TW-A1	8	0	14-Apr-25	28-Apr-25		
A3290	CRWA-TW-A2	4	0	28-Apr-25	05-May-25		
A3300	CRWA-TW-B1	6	0	05-May-25	14-May-25		
A3330	Concrete Pavement at Gate	8	0	09-May-25	22-May-25		
A3310	CRWA-TW-B2	2	0	14-May-25	19-May-25		
A3320	CRWA-EQ	4	0	19-May-25	27-May-25		
A3340	Gravel Pavement	8	0	27-May-25	10-Jun-25		
A3410	Tank Backfill	4	0	27-May-25	03-Jun-25		
A2870	Instal Overflow Structure & Rip Rap Channel	10	0	03-Jun-25	19-Jun-25		
A2900	Site Restoration	8	0	20-Jun-25	07-Jul-25		
A3200	Temp Irrigation Instal	2	0	08-Jul-25	10-Jul-25		
A3190	Hydroseeding	2	0	11-Jul-25	15-Jul-25		
A3210	Estabish Vegetation	13	0	16-Jul-25	07-Aug-25		
<b>4 - Tank Construction</b>							
A1140	DN Tanks Mobilize & Setup Jobsite	3	64	06-Dec-24A	10-Jun-25	06-Dec-24	
A1160	Mill Lumber	4	0	06-Dec-24A	14-Dec-24A	06-Dec-24	14-Dec-2
A1170	Build Casting Beds	4	0	10-Dec-24A	19-Dec-24A	10-Dec-24	19-Dec-2
A1180	Instal Footing Form	2	0	16-Dec-24A	20-Dec-24A	16-Dec-24	20-Dec-2
A1220	Seam Diaphragm	2	0	19-Dec-24A	03-Jan-25A	19-Dec-24	03-Jan-25
A1190	Instal Floor/Footing Reinforcing	4	0	19-Dec-24A	23-Dec-24A	19-Dec-24	23-Dec-2
				02-Jan-25A	07-Jan-25A	02-Jan-25	07-Jan-25

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical

Milestone

Summary

Revision

Checked

Approved

20-Jan-25

Baseline Schedule 01/20/2025



Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish
A1200	Install Waterstop / QC Floor	2	C	08-Jan-25A	09-Jan-25A	08-Jan-25	09-Jan-25
A1210	Pour Floor	1	C	13-Jan-25A	13-Jan-25A	13-Jan-25	13-Jan-25
A1230	Form/Pour/Strip Wall & Dome Panels	10	C	14-Jan-25A	28-Jan-25A	14-Jan-25	28-Jan-25
A1240	Layout & Erect Dome Shoring	4	C	16-Jan-25A	03-Feb-25A	16-Jan-25	03-Feb-21
A1250	Erect Wall & Dome Panels	4	C	05-Feb-25A	07-Feb-25A	05-Feb-25	07-Feb-21
A1260	Erect Wall Slots	2	C	10-Feb-25A	10-Feb-25A	10-Feb-25	10-Feb-21
A1270	Pour Wall Slots	1	1	14-Feb-25	18-Feb-25		
A2250	Place Dome Ring Concrete	1	1	18-Feb-25	19-Feb-25		
A2270	Strip Dome Ring	2	2	19-Feb-25	21-Feb-25		
A1280	Shoot Corewall	2	2	24-Feb-25	26-Feb-25		
A1290	Wirewind Dome Ring	3	3	24-Feb-25	27-Feb-25		
A1300	Wirewind Wall Pre-Cove	3	3	27-Feb-25	04-Mar-25		
A1310	Strip Shoring	4	4	04-Mar-25	11-Mar-25		
A1000	Prepare and Pour Cove	2	2	11-Mar-25	14-Mar-25		
A1330	Wirewind Wall Post Cove	4	4	14-Mar-25	21-Mar-25		
A1340	Shoot Covercoat/ Nozzle Finish	4	4	21-Mar-25	28-Mar-25		
A1350	Prep/Apply Tamms Coating to Dome and Walls	4	4	28-Mar-25	04-Apr-25		
A1360	Install Appurtenances	3	3	04-Apr-25	09-Apr-25		
A1970	Tank Crew Load Out and Demobilize	2	2	10-Apr-25	14-Apr-25		
A3070	Disinfect/Fill & Leak Test Tank	8	8	27-May-25	10-Jun-25		
5 - Electrical		25	25	14-Apr-25	28-May-25		
A2570	Ductbank to PLC	4	4	14-Apr-25	21-Apr-25		
A3240	Tank Level Transmitter and Sensor Install	2	2	14-Apr-25	16-Apr-25		
A2360	Ductbank to Fence & Gate Operator	6	6	21-Apr-25	30-Apr-25		
A2560	Install Grounding Ring	5	5	21-Apr-25	29-Apr-25		
A2550	Electrical Control Panel at Tank	10	10	29-Apr-25	16-May-25		
A3250	Ductbank to Keypad 1	2	2	01-May-25	05-May-25		
A3260	Ductbank to Keypad 2	2	2	06-May-25	08-May-25		
A3270	Installation of Keypad 1 & 2	2	2	23-May-25	28-May-25		
6 - Existing Tank Retrofit		12	12	14-Apr-25	05-May-25		
A2370	Instal 24" Penetrations	12	12	14-Apr-25	05-May-25		
7 - Fence Installation		35	35	14-Apr-25	16-Jun-25		
A2320	Fence Installation	25	25	14-Apr-25	28-May-25		
A3090	Instal Gate and Operator	10	10	28-May-25	16-Jun-25		

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Summary

Date	Revision	Checked	Approved
20-Jan-25	Baseline Schedule 01/20/2025		

Job Name: San Marcos, TX (CRWA)

DN Tanks = GC

VP/CM: Jason Phillippi

Job Number: 20213-122

PM: Rey Moreno

Tank Size: 1.0 MG

ID: 85

SWD: 24.5

PE: Preston Sidwell

Super: Don Fugate

PA: Yamil Rayo

Substantial: 6/22/2025

Completion Date: 7/16/2025

DESCRIPTION OF WORK - CURRENT WEEK		THA REQUIRED	2/17	2/18	2/19	2/20	2/21	2/22	EST. COMP. DATE
			MON	TUE	WED	THU	FRI	SAT	
Strip Dome ring /load out wall slots /winding Equipment		Domering stripping	6						
Shot core wall /Winding Equipment		Shotcrete		6					
Layer A and DR-1 Patch holes/wire cover		Wire winding			6				
DR-2/Layer 1 wall/patch holes/Wire cover						6			
DR-3/ Layer 1 wall/Lowewr U-Heads/Wire cover							6		
Concrete Testing Lab ( Atlas )				X	X				
CREW TOTALS EACH WORKING DAY			6	6	6	6	6	0	
DESCRIPTION OF WORK - 1 WEEK LOOK AHEAD		THA REQUIRED	2/24	2/25	2/26	2/27	2/28	3/1	EST. COMP. DATE
			MON	TUE	WED	THU	FRI	SAT	
Lower U-Heads /Strip shoring		Stripping shoring	6						
Strip shoring		Install winches on dome roof		6					
Load out/ strip Wall braces					6				
Prep for Cove / form cove /Close T.O						6			
Pour cove / Shoot T.O							6		
Strip cove and hang stress plates/SP-1 LAYER -1 WALL		Stress plate installation						6	
Concrete Testing Lab ( Atlas )							X		
CREW TOTALS EACH WORKING DAY			6	6	6	6	6	6	
DESCRIPTION OF WORK - 2 WEEK LOOK AHEAD		THA REQUIRED	3/3	3/4	3/5	3/6	3/7	3/8	EST. COMP. DATE
			MON	TUE	WED	THU	FRI	SAT	
Layer 2 / Patch holes/ Wire cover		Wire winding	6						
Layer 3/ Build ladder pads/Wire Cover				6					
Remove winding Equipment/Hang shooting wires/Pads		Using aerial lifts, scissor lifts			7				
Cover coat		Shotcrete				7			
Cover coat							7		
Concrete Testing Lab ( Atlas )						X			
CREW TOTALS EACH WORKING DAY			6	6	7	7	7	0	
Note : will need cuuter on 3/5/25									
A.P.S.P		DATE			DATE			DATE	
	Concrete & Concrete Pumping Proce	2/18	Safety Inspection		2/19	Aerial /Scissor Lift		3/5	
QC HUDDLES		DATE						DATE	
	shoot core wall	2/18							
PHOTOS TAKEN	QC PHOTOS	DATE						DATE	
	Wall Slots Photos on	12/16							
DELIVERIES	Hand Rail fittings	2/24						DATE	
	Tamms	3/3							
EQUIPMENT	RENTAL	DATE						DATE	
	2nd Boom lift/ 40' 1000lb	3/3							
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Scaffolding Assembly





# Gasket Seals



Precast Wall Panels







Wall Opening Insert





# Wall Slot Inserts











# Attached Wall Panels





Inlet Riser Pipe





Roof Dome Vent



Wall Panel  
Assembly





Wall Panel Placement



Tank Wall Panels In-Place



Roof Dome Panel Placement



Panels Ready for Slot and Ring  
Concrete Pours











Interior Wall Lateral Supports



Interior Wall Lateral Supports




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## ***Hays Caldwell WTP Improvements Project – Phase 1 (1.0 MG Ground Storage Tank and Appurtenances)***

### ***Construction Progress Meeting No. 04 Minutes***

February 13<sup>th</sup>, 2025 – 9:00 AM Virtual Meeting with MS Teams

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#### **1. Attendance Sign-In Sheet**

- A Virtual Attendance Sign-In Sheet for Construction Progress Meeting No. 04 is attached to this document.

#### **2. Review and Comment on Previous Construction Progress Meeting Minutes**

- The minutes from the previous construction progress meeting were reviewed. No additional comments on, or revisions to, the minutes from the previous construction progress meeting were noted.

#### **3. General Issues / Announcements**

- None were noted.

#### **4. Construction Progress Since Last Monthly Meeting**

- Wall Panels have been erected and secured.
- Roof Dome Panels have been positioned and secured.
- P-Brackets and Wall Slots have been completed.
- Forming of Roof Dome Slots was begun.

#### **5. Three Week Look-Ahead Construction Plan**

- Pouring of Wall Slots and Roof Dome Ring.
- Stripping of Wall Slots and Roof Dome Ring.
- Shotcrete of the Core Wall.
- Shotcrete of the Wire Cover.
- Stripping of Shoring and Wall Braces.
- Placement of Concrete Cove.
- Removal of Wall Bracing.
- Pouring of Cove and closure of the Temporary Opening (TO).
- Continuation of preparation for Wire Winding.
- Installation of Stress Plates.
- Wire Winding tentatively scheduled for February 19<sup>th</sup> (weather permitting).

#### **6. Overall Construction Schedule Overview**

- Used 211 days of 365 days Contract time, which equates to 57.8%.
- NTP: July 17<sup>th</sup>, 2024
- Contract Substantial Completion Date: June 16<sup>th</sup>, 2025.
- Scheduled Contract Final Completion Date: July 16<sup>th</sup>, 2025
- The DN Tanks Project Manager will provide an updated Construction Progress Schedule to CobbFendley for review.
- A copy of the Three-Week Look Ahead Schedule as provided by DN Tanks to CobbFendley is attached to these Minutes for review and consideration.



**7. Quality Control**

- Panel compressive strength cylinder break summary table was reviewed; all tested cylinders passed the specified minimum strength requirements.

**8. Submittals**

- Documents for Electric Heat Tracing were resubmitted on February 7<sup>th</sup> and are currently under review by Ardurra.
- Documents for Tank Fabrication are also under review by Ardurra.
- Ladder Fall Protection System was resubmitted to Ardurra for review as a part of the Documents for Tank Fabrication.
- A copy of the most current Submittal Review Log as provided by Ardurra to CobbFendley is attached to these Minutes for review and consideration.

**9. RFIs / Contract Clarifications**

- To date, 6 total RFIs have been received. 0 RFIs currently are under review.
- No pending RFIs were identified by DN Tanks.
- A copy of the most current RFI Review Log as provided by Ardurra to CobbFendley is attached to these Minutes for review and consideration.

**10. Contract Modifications and Change Orders**

- To date, no Contract Modifications have been identified / executed.
- A discussion was held regarding painting of the Tank. CRWA previously requested that painting of the Tank be omitted and the unit cost for that work be credited back to the cost of the Contract. It is the position of DN Tanks that painting of the Tank is not optional because of the protective function it provides to lifetime performance of the Tank. CRWA accepted that rationale for painting of the Tank and agreed to provide a coating system color selection to DN Tanks.

**11. Pay Applications**

- Pay Application No. 3: Approved by CRWA and payment was sent to DN Tanks on January 31<sup>st</sup>, 2025.
- Pay Application No. 4: CobbFendley will consult with CRWA on acceptance of values for percent complete as requested by DN Tanks and make a determination on approval for processing and payment.

**12. Safety / Security Issues**

- One minor injury to the ankle of a DN Tanks worker was noted by the Project Superintendent. No other safety or security issues were reported to have occurred since last meeting.
- No breaches of Site Security were reported.

**13. Risk Management**

- No new or existing risks were identified other than the weather.

**14. Problem, Conflicts, or Claims of Changed Conditions**

- No problems, conflicts, or claims were identified.

**15. As-BUILTS / Close Out Items**

- A reminder was given that "Red Line" markups need to be submitted with the Pay Requests so that the Design Engineer can start developing the Project Record Drawings. DN Tanks confirmed that they will submit those.

**16. Action Items/ Open Discussion**

- No additional items were discussed.

**17. Adjournment**

- The meeting was adjourned at approximately 9:45 AM.
- **Next Scheduled Meeting – March 13<sup>th</sup>, 2025**



## Hays Caldwell WTP Improvements Project – Phase 1 (1.0 MG Ground Storage Tank and Appurtenances)

### Construction Progress Meeting No. 04

February 13<sup>th</sup>, 2025

#### SIGN-IN SHEET

PRINTED NAME	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE (IF IN ATTENDANCE)
1.Christopher Weeks	CobbFendley	(512) 834-4335	Christopher.Weeks@cobbfendley.com	Virtual Attendee
2.Jason Phillippi	DN Tanks	(817) 475-5267	Jason.phillippi@dn tanks.com	Virtual Attendee
3.Preston Sidwell	DN Tanks	(214) 970-5215	Preston.sidwell@dn tanks.com	Virtual Attendee
4.Rey Moreno	DN Tanks	(469) 625-8038	Reynaldo.moreno@dn tanks.com	Virtual Attendee
5.Don Fugate	DN Tanks	(781) 557-8533	Don.fugate@dn tanks.com	Virtual Attendee
6.Yue Sun	Ardurra	(713) 208-9463	ysun@ardurra.com	Not Present
7.Celine Nicolas	Ardurra	(832) 419-6658	cnicolas@ardurra.com	Virtual Attendee
8.David McMullen	CRWA	(512) 581-8544	mcmullen@crwa.com	Virtual Attendee
9.Bobby Rodriguez	CRWA	(830) 500-0107	brodriguez@crwa.com	Virtual Attendee
10.Stanley Fees	CobbFendley	(512) 646-4349	sfees@cobbfendley.com	Not Present
11.				
12.				
13.				
14.				
15.				
16.				



Job Name: San Marcos, TX (CRWA)

DN Tanks = GC

VP/CM: Jason Phillippi

Job Number: 20213-122

PM: Rey Moreno

Tank Size: 1.0 MG

ID: 85

SWD: 24.5

PE: Preston Sidwell

Super: Don Fugate

PA: Yamil Rayo

Substantial: 6/22/2025

Completion Date: 7/16/2025

DESCRIPTION OF WORK - CURRENT WEEK			THA REQUIRED	2/17	2/18	2/19	2/20	2/21	2/22	EST. COMP. DATE
				MON	TUE	WED	THU	FRI	SAT	DATE
Strip Dome ring /load out wall slots /winding Equipment			Domering stripping	6						
Shot core wall /Winding Equipment			Shotcrete		6					
Layer A and DR-1 Patch holes/wire cover			Wire winding			6				
DR-2/Layer 1 wall/patch holes/Wire cover							6			
DR-3/ Layer 1 wall/Lowewr U-Heads/Wire cover								6		
Concrete Testing Lab ( Atlas )					X	X				
CREW TOTALS EACH WORKING DAY				6	6	6	6	6	0	
DESCRIPTION OF WORK - 1 WEEK LOOK AHEAD			THA REQUIRED	2/24	2/25	2/26	2/27	2/28	3/1	EST. COMP. DATE
				MON	TUE	WED	THU	FRI	SAT	DATE
Lower U-Heads /Strip shoring			Stripping shoring	6						
Strip shoring			Install winches on dome roof		6					
Load out/ strip Wall braces						6				
Prep for Cove / form cove /Close T.O							6			
Pour cove / Shoot T.O								6		
Strip cove and hang stress plates/SP-1 LAYER -1 WALL			Stress plate installation						6	
Concrete Testing Lab ( Atlas )								X		
CREW TOTALS EACH WORKING DAY				6	6	6	6	6	6	
DESCRIPTION OF WORK - 2 WEEK LOOK AHEAD			THA REQUIRED	3/3	3/4	3/5	3/6	3/7	3/8	EST. COMP. DATE
				MON	TUE	WED	THU	FRI	SAT	DATE
Layer 2 / Patch holes/ Wire cover			Wire winding	6						
Layer 3/ Build ladder pads/Wire Cover					6					
Remove winding Equipment/Hang shooting wires/Pads			Using aerial lifts, scissor lifts			7				
Cover coat			Shotcrete				7			
Cover coat								7		
Concrete Testing Lab ( Atlas )							X			
CREW TOTALS EACH WORKING DAY				6	6	7	7	7	0	
Note : will need cuuter on 3/5/25										
A.P.S.P			DATE			DATE			DATE	
		Concrete & Concrete Pumping Proce	2/18	Safety Inspection		2/19	Aerial /Scissor Lift		3/5	
QC HUDDLES			DATE						DATE	
		shoot core wall	2/18							
PHOTOS TAKEN		QC PHOTOS	DATE	RENTAL EQUIPMENT		DATE	MISC. PHOTOS		DATE	
		Wall Slots Photos on	12/16							
DELIVERIES		Hand Rail fittings	2/24						DATE	
		Tamms	3/3	WINCHES		2/19	Stessometer		2/11	
EQUIPMENT		RENTAL	DATE	RENTAL		DATE	MISC. EQUIPMENT		DATE	
		2nd Boom lift/ 40' 1000lb	3/3	Loader		2/17	Air monitor		2/10	
TRAINING / MANPOWER NOTES										
MANPOWER		FRIDAY'S CREW SIZE:		0		Crew Size				
				0		Carpenter		6		0 Laborer
TANK MILESTONES	MILESTONE (REQUIRED)		DATE:	DAYS:	MILESTONE (REQUIRED)		DATE:	DAYS:	MILESTONE (REQUIRED)	
	Shoot Corewall		2/18	2B	Start Wire Winding		2/19	2B	Tamms	
	MILESTONE		DATE:	DAYS:	MILESTONE		DATE:	DAYS:	MILESTONE	
	Strip Shoring		2/24	2B	Pour Cove		2/25	2B	Demob	

Canyon Regional Water Authority  
Hays Caldwell WTP Improvements Phase 1  
SUBMITTAL REVIEW LOG  
Contractor: DN Tanks  
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1 APPROVED	Code 2 App. As Noted/Comments Attached	Code 3 App. As Noted/CONFIRM	Code 4 App. As Noted Resubmit	Code 5 NOT APPROVED Resubmit	Code 6 RECEIPT ACKNOWLEDGE D
01 32 16-01	DN Tanks	DN Tanks	01 32 16	Baseline Schedule	8/30/2024	9/18/2024		X				
03 15 00-01	DN Tanks	Concrete Sealants, Inc.	03 15 00	Joint Sealer (Valve Casing)	8/8/2024	8/21/2024	X					
03 15 00-02	DN Tanks	Sika Corporation	03 15 00	Sika - 1A	8/27/2024	9/19/2024	X					
03 15 00-03	DN Tanks	DCA Construction Products, LLC	03 15 00	Waterstop - Type 9	8/27/2024	9/19/2024	X					
03 15 00-04	DN Tanks	DCA Construction Products, LLC	03 15 00	Waterstop - Type 10	9/9/2024	9/19/2024	X					
03 15 00-05	DN Tanks	Multiple	03 15 00	Concrete & Shotcrete Mix Designs	10/28/2024	10/30/2024		X				
03 30 00-01	DN Tanks	TEX MIX	03 30 00	Concrete (4000-3000 PSI)	7/11/2024	8/7/2024				X		
03 30 00-01-A	DN Tanks	TEX MIX	03 30 00	Concrete (4000-3000 PSI)	8/8/2024	8/22/2024	X					
03 30 00-02	DN Tanks	SpecChem	03 30 00	Concrete Curing Compound	8/5/2024	8/19/2024	X					
03 30 00-03	DN Tanks	Quikrete	03 30 00	Concrete Bag (Vault Casing/Craddling)	8/8/2024	8/21/2024	X					
03 30 00-04	DN Tanks	SpecChem	03 30 00	Flowable Grout	8/8/2024	8/21/2024	X					
03 30 00-05	DN Tanks	W. R. Meadows/ Inc.	03 30 00	Fiber Expansion	8/23/2024	9/19/2024	X					
03 30 00-06	DN Tanks	Sika Corporation	03 30 00	Joint Sealant	8/23/2024	9/19/2024	X					
03 30 00-07	DN Tanks	Multiple	03 30 00	GST Concrete & Shotcrete Mix Designs	11/5/2024	11/8/2024	X					
09 90 00-01	Cohen Industrial Supply Co.	Sherwin Williams	09 90 00	Exposed Pipe Coating	11/11/2024	12/11/2024		X				
09 90 00-02	Cohen Industrial Supply Co.	Allstates Coatings Co.	09 90 00	Underground Pipe Coating	11/11/2024	12/11/2024		X				
26 00 00-01	DN Tanks	Control Panels USA Inc.	26 00 00	Electrical Controls & Instrumentation	10/9/2024	10/10/2024					X	
31 20 00-01	DN Tanks	Martin Marietta	31 20 00	5x3 Gabion	7/9/2024	7/26/2024	X					
31 20 00-02	DN Tanks	Martin Marietta	31 20 00	#67	7/9/2024	7/26/2024	X					
31 20 00-03	DN Tanks	Martin Marietta	31 20 00	#57	7/9/2024	7/26/2024	X					
31 20 00-04	DN Tanks	Martin Marietta	31 20 00	Flex Base	7/9/2024	7/26/2024		X				
31 20 00-05	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Miraf 1160N	7/9/2024	7/26/2024	X					

Canyon Regional Water Authority  
Hays Caldwell WTP Improvements Phase 1  
SUBMITTAL REVIEW LOG  
Contractor: DN Tanks  
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1 APPROVED	Code 2 App. As Noted/Comments Attached	Code 3 App. As Noted/CONFIRM	Code 4 App. As Noted Resubmit	Code 5 NOT APPROVED Resubmit	Code 6 RECEIPT ACKNOWLEDGE D
31 20 00-06	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Mirafi 1100N	7/9/2024	7/26/2024						X
31 20 00-07	DN Tanks	Tensar TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Tensar TX5	7/9/2024	7/26/2024	X					
31 20 00-08	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Mirafi 500x	7/9/2024	7/26/2024	X					
31 20 00-09	DN Tanks	Terracon	31 20 00	Terracon Proof Roll Observation Letter	12/18/2024	1/10/2025						X
31 37 00-01	DN Tanks	Keeley Construction	31 37 00	12x6 Rip Rap	8/22/2024	9/10/2024	X					
32 92 13-01	DN Tanks	Douglas King Seeds	32 92 13	Seeds (Permeant Vegetative Covering)	8/8/2024	8/14/2024					X	
32 92 13-01-A	DN Tanks	Douglas King Seeds	33 92 13	Seeds (Permeant Vegetative Covering)	8/23/2024	8/27/2024		X				
33 01 12-01	DN Tanks	Keeley Construction	33 01 12	Underslab Pipe Hydrostatic Test Results	12/19/2024	1/13/2025						X
33 11 10-01	DN Tanks	Multiple	33 11 10	Mechanical Joint Restraint	8/5/2024	9/9/2024				X		
33 11 10-01-A	DN Tanks	Multiple	33 11 10	Mechanical Joint Restraint	9/20/2024	10/3/2024		X				
33 11 10-02	DN Tanks	Multiple	33 11 10	DI Pipe & Polyethylene	8/5/2024	9/9/2024			X			
33 11 10-02-A	DN Tanks	Multiple	33 11 10	DI Pipe & Polyethylene	9/24/2024	10/3/2024			X			
33 11 10-03	DN Tanks	Multiple	33 11 10	DI Pipe Fittings	8/5/2024	9/9/2024			X			
33 11 10-03-A	DN Tanks	Multiple	33 11 10	DI Pipe Fittings	9/20/2024	10/3/2024		X				
33 11 10-04	DN Tanks	ITP	33 11 10 40 05 19 40 05 23	Bolts	8/8/2024	9/9/2024						
33 11 10-05	DN Tanks	Custom Pipe & Fabrication Inc.	33 11 10	DI Pipe Fabricated	9/24/2024	10/3/2024		X				
33 11 10-06	DN Tanks	American Flow Control	33 11 10	30 Inch Flanged Gate Valve	9/25/2024	10/3/2024		X				
40 05 06-01	DN Tanks	EBAA Iron Inc.	40 05 06	Mega Coupling	11/20/2024	12/11/2024			X			
40 05 24-01	DN Tanks	Felker Fabrication	40 05 24	Fabricated Stainless Steel	8/22/2024	9/18/2024						
40 05 51-01	DN Tanks	Tyler Union American Flow Control	40 05 51	Valve Box	8/5/2024	9/9/2024		X				
40 05 61-01	DN Tanks	American Flow Control	40 05 61	Gate Valves	8/5/2024	9/9/2024		X				
40 41 00-01	DN Tanks	Control Panels USA Inc.	40 41 00	Electrical Heat Trace	12/13/2024	1/20/2025				X		
40 41 00-01-A	DN Tanks	Control Panels USA Inc.	40 41 00	Electrical Heat Trace	2/10/2025							
40 61 00-01	DN Tanks	Control Panels USA Inc.	40 61 00	Electrical Controls & Instrumentation	10/15/2024	10/25/2024					X	

Canyon Regional Water Authority  
Hays Caldwell WTP Improvements Phase 1  
SUBMITTAL REVIEW LOG  
Contractor: DN Tanks  
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1 APPROVED	Code 2 App. As Noted/Comments Attached	Code 3 App. As Noted/CONFIRM	Code 4 App. As Noted Resubmit	Code 5 NOT APPROVED Resubmit	Code 6 RECEIPT ACKNOWLEDGE D
40 66 00-01	DN Tanks	Control Panels USA Inc.	40 66 00	Communications Interface Equipment	12/13/2024	1/7/2025	X					
40 72 00-01	DN Tanks	Control Panels USA Inc.	40 72 00	Level Instruments	12/13/2024	1/7/2025	X					
43 41 63-01	DN Tanks	DN Tanks	43 41 63	DN Tanks Foundation Drawings	8/19/2024	9/19/2024		N. Green		X		
43 41 63-02	DN Tanks	DN Tanks	43 41 63	Tank Design Drawings & Engineer Response Letter	10/4/2024	10/22/2024	A. Ayala	X				
43 41 63-03	DN Tanks	DN Tanks	43 41 63	Tank Design Calculations	10/4/2024	10/17/2024	X					
43 41 63-04	DN Tanks	DN Tanks	43 41 63	Tank Fabrication Drawings	10/4/2024	11/4/2024	N. Green					
43 41 63-04-A	DN Tanks	DN Tanks	43 41 63	Tank Fabrication Drawings	1/31/2025							
43 41 63-05	DN Tanks	Sika Corporation	43 41 63	Steel Diaphragm	10/18/2024	10/30/2024	X					
43 41 63-06	DN Tanks	Sika Corporation	43 41 63	PVC Waterstop	10/4/2024	10/18/2024	X					
43 41 63-07	DN Tanks	Multiple	43 41 63	Polysulfide Sealants	10/4/2024	10/17/2024	X					
43 41 63-08	DN Tanks	Gerard Packing and Belting Corporation	43 41 63	Natural Rubber Bearing Pads	10/4/2024	10/17/2024	X					
43 41 63-09	DN Tanks	Gerard Packing and Belting Corporation	43 41 63	Neoprene Bearing Pads	10/4/2024	10/17/2024				X		
43 41 63-10	DN Tanks	Dayton Superior	43 41 63	Concrete Curing Compound	10/4/2024	10/17/2024	X					
43 41 63-11	DN Tanks	Solomon Colors, Inc.	43 41 63	Concrete Finishing Aid	10/4/2024	10/17/2024	X					
43 41 63-12	DN Tanks	GT Industries	43 41 63	Sponge Rubber Filler	10/4/2024	10/17/2024	X					
43 41 63-13	DN Tanks	Commercial Grade Quikrete	43 41 63	Quikrete Grout	10/4/2024	10/17/2024	X					
43 41 63-14	DN Tanks	HLTI	43 41 63	Epoxy Coating System	10/4/2024	10/17/2024	X					
43 41 63-15	DN Tanks	Chase Associates	43 41 63	Manway	10/4/2024	11/4/2024	A. Ayala		X			
43 41 63-16	DN Tanks	USF Fabrication	43 41 63	Tank Roof Hatch	10/4/2024	11/4/2024				X		
43 41 63-17	DN Tanks	French Creek Production	43 41 63	Ladder Fall Prevention (Exterior Ladder)	10/4/2024	11/4/2024	A. Ayala				X	
43 41 63-18	DN Tanks	Euclid Chemical	43 41 63	Tank Architectural Coating	10/4/2024	11/4/2024		X				
43 41 63-19	DN Tanks	Atlantic Fabricators	43 41 63	Tank Roof Vent (AIS)	10/18/2024	11/4/2024	X					
43 41 63-20	DN Tanks	DCA Construction Products, LLC	43 41 63	Waterstop Type 11	10/25/2024	10/30/2024	X					
43 41 63-20	DN Tanks	White Cap	43 41 63	Rebar Shop Drawings (Overflow Structure)	11/20/2024	12/9/2024	X					

Hays Caldwell WTP  
Ph 1 Improvements  
RFI REVIEW LOG

Contractor: DN Tanks  
Project Manager: Yue Sun

RFI No.	Vendor/Supplier	Specification Section	RFI Subject	Date of RFI Received by Ardurra	Date of RFI Returned
001	DN Tanks	Geotechnical Report	Allowable Bearing Capacity PSF	8/5/2024	8/13/2024
002	DN Tanks	Geotechnical Report	Site Classification	8/5/2024	8/13/2024
003	DN Tanks	N/A	Overflow Wing Wall Rebar Details	8/21/2024	8/26/2024
004	DN Tanks	03 30 00	GST Concrete Fly Ash Content - Critical	9/24/2024	9/25/2024
005	DN Tanks	09 90 00	Exterior Overflow Pipe Coating	10/25/2024	10/28/2024
006	DN Tanks	03 30 00	Elevation Discrepancy	1/2/2025	1/2/2025





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TEL 210.447.6250  
[www.GarverUSA.com](http://www.GarverUSA.com)

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## **Canyon Regional Water Authority Lake Dunlap WTP Improvements**

To: Kerry Averyt, PE  
General Manager  
Canyon Regional Water Authority

From: Greg Swoboda, PE

Date: February 20, 2025

RE: Lake Dunlap WTP Imp Project  
Project Status Report

**Below is a status update for the Lake Dunlap WTP Improvements.**

### **Strainer Improvements**

1. Garver incorporated CRWA comments into a 100% design package.
2. Contractor outreach was conducted prior to advertising the project.
3. Garver delivered the 100% design/bid documents and uploaded to CivCast on 12/9/24.
4. A non-mandatory pre-bid meeting was held on 12/17/24.
5. Five (5) general contractors attended the pre-bid meeting.
6. Garver issued Addendum No. 1 on 12/19/24.
7. Garver issued Addendum No. 2 on 1/8/25 (to change bid date).
8. Garver issued Addendum No. 3 on 1/21/25
9. Proposal opening (for Competitive Sealed Proposal) took place on 2/4/25.
10. Three (3) proposals were received.
11. Preliminary evaluation (ranking) of proposals has been conducted.
12. Upcoming Work
  - a. Select best value proposer.
  - b. Conduct discussion with best value proposer.
  - c. Negotiate satisfactory contract with proposer.
  - d. Trustees Board Award is planned for April Meeting.
  - e. Contractor Notice to Proceed is planned for late April 2025.

### **Membrane Improvements**

1. Scope of work and fee being finalized with CRWA.
2. Planned scope of work includes.
  - a. Topographic survey.
  - b. Membrane improvements evaluation for consideration for 14.4 to 16.0 mgd.
  - c. Tank rehabilitation work package.
  - d. Pre-treatment evaluation.
    - i. Clarifier and plate/tube settler evaluation.
    - ii. Ozone relocation.
    - iii. Coagulant evaluation.
    - iv. TTHM Evaluation
    - v. TCEQ BIN Classification Support
  - e. Membrane improvements design-preliminary and final.
    - i. Membrane skids.
    - ii. Membrane feed pumps.
    - iii. Membrane backwash pump and yard piping.
    - iv. Backwash plant drain system.
    - v. Electrical and I&C improvements.
    - vi. Correspondence with TCEQ.
    - vii. OPCC
  - f. Bid phase services.
  - g. Construction phase services.

Xc: David McMullen, CRWA  
Adam Telfer, CRWA  
Bobby Rodriguez, CRWA  
Buddy Boysen, Garver