

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Call-In Number: 1-346-248-7799

Meeting ID: 982 8616 3170

Passcode: 495028

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

A quorum of Alliance Regional Water Authority's (the Authority's) Technical Committee will hold a meeting by telephonic conference call at 3:00 PM, Wednesday, October 12th, 2022. The public may participate in this meeting by calling the following number and code:

ZOOM MEETING LINK

Call-In Number: 1-346-248-7799

Meeting ID: 982 8616 3170

Passcode: 495028

Members of the public wishing to make public comment during the meeting must register by emailing info@alliancewater.org prior to 3:00 p.m. on October 12, 2022. This meeting will be recorded and the audio recording will be available on the Authority's website after the meeting. A copy of the agenda packet will be available on the Authority's website at the time of the meeting. Additional information can be obtained by calling Graham Moore at (512) 294-3214.

A. CALL TO ORDER

B. ROLL CALL

C. PUBLIC COMMENT PERIOD (Note: Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.)

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held September 14, 2022. ~ *Graham Moore, P.E., Executive Director*

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

F.1 Election of a Chair for the Technical Committee. ~ *Graham Moore, P.E., Executive Director*

F.2 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, P.E., Pape-Dawson Engineers*

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- F.3 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Update, discussion and possible direction to Staff regarding the Corrosion Report process and submittals to the Texas Commission on Environmental Quality. ~ *Marisa Vergara, P.E., CP&Y*
- F.5 Update, discussion and possible direction to Staff regarding the Authority's Graphical Information Systems and information gathered during construction. ~ *Graham Moore, P.E., Executive Director*
- F.6 Update, discussion and possible direction to Staff regarding updated water projections from the Authority's Sponsors. ~ *Graham Moore, P.E., Executive Director*
- F.7 Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*
- F.8 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
- G. EXECUTIVE DIRECTOR REPORT - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.

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I. EXECUTIVE SESSION

I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*

- A. *Water supply partnership options*
- B. *Groundwater leases*
- C. *Acquisition of real property for water supply project purposes*

I.2 Action from Executive Session on the following matters:

- A. *Water supply partnership options*
- B. *Groundwater leases*
- C. *Acquisition of real property for water supply project purposes*

J. ADJOURNMENT

NOTE: *The Technical Committee may meet in Executive Session to consider any item listed on this agenda if a matter is raised that is appropriate for Executive Session discussion. An announcement will be made of the basis for the Executive Session discussion. The Technical Committee may also publicly discuss any item listed on the agenda for Executive Session.*

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A. CALL TO ORDER

No Backup Information for this Item.

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B. ROLL CALL

NAME PRESENT

Blake Neffendorf

Derrick Turley

Paul Kite

Humberto Ramos

Tim Samford

Regina Franke

NON-VOTING MEMBERS PRESENT

Mayor Lee Urbanovsky

REGULAR MEETING
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COMMITTEE MEMBER PACKETS

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C. PUBLIC COMMENT PERIOD

Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.

Comments are limited to 3-minutes per agenda item and three minutes total for all non-agenda topics. If using a translator, comments are limited to six minutes per agenda item and six minutes total for non-agenda topics.

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D. CONSENT AGENDA

Item D.1 is presented as part of the consent agenda.

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D.1 Consider approval of minutes of the Technical Committee Meeting held September 14, 2022. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2022 09 14 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



ALLIANCE WATER

Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, September 14, 2022

The following represents the actions taken by the Technical Committee of the Alliance Regional Water Authority (Alliance Water) in the order they occurred during the meeting. The Technical Committee convened in a meeting on Wednesday, September 14, 2022 by telephonic conference call.

A. CALL TO ORDER.

The Alliance Water Technical Committee Meeting was called to order at 3:03 p.m. by Mr. Neffendorf.

B. ROLL CALL.

- **Present:** Neffendorf, Turley, Kite, and Samford with Ramos joining in Item F.1.
- **Absent:** Franke and Urbanovsky.

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held August 10, 2022.

- **Motion to adopt the minutes as presented was made by Mr. Kite, seconded by Mr. Samford and approved on a 4-0 vote.**

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

- F.1 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program.
- **Mr. Flinn with Pape-Dawson provided an update on the Phase 1B construction.**
 - **Mr. Ramos asked the type of filters.**
 - **Mr. Moore noted that the filters are made by Westech – they are similar to the filters Canyon Regional has that are made by Tonka.**
 - **Mr. Ramos inquired how cathodic protection is being handled.**
 - **Mr. Flinn noted that cathodic protection is provided on all pipelines and facilities.**
 - **No Action.**
- F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Sowa with Kimley-Horn provided an update on the Phase 1B program.**
 - **Mr. Neffendorf asked if both tanks are scheduled to bid in November.**
 - **Mr. Sowa responded that it is only the South Tank. The North Tank will bid a few months later.**
 - **Mr. Neffendorf requested that the Well Drilling item in the cost update be shown as complete.**
 - **No Action.**
- F.3 Possible recommendation to the Board to approve change order with Garney Construction, Inc. adding portions of pipeline segments B2, C and D into the Phase 1B Segment B Project with Garney Companies, Inc.
- **Mr. Ramos requested that additional information be provided to the Board as to why the work was divided in the manner it was.**
 - **Mr. Neffendorf asked if this work could be done faster by Garney than SJ Louis.**
 - **Mr. Moore responded that it would, primarily because the submittal process for the pipe has already been approved due to their other pipeline work.**
 - **Motion to recommend to the Board approval of a change order with Garney Construction adding portions of pipeline segments B2, C and D into the Segment B Project was made by Mr. Ramos, seconded by Mr. Samford and approved on a 5-0 vote.**

F.4 Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding.

- **Mr. Moore provided an update.**
- **No Action.**

F.5 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.

- **Mr. Moore will provide more information on the Gonzales County Underground Water Conservation District and any action taken on the GBRA permit.**
- **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **No Action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **Mr. Samford requested an update on lead and copper sampling and water quality as well as water projections.**

I. EXECUTIVE SESSION

I.1 Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:

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- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes

I.2 Action from Executive Session on the following matters:

- A. Water supply partnership options
- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes

- **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 3:49 p.m. based on the motion by Mr. Samford, seconded by Mr. Ramos and approved on a 5-0 vote.**

APPROVED: _____, 2022

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F.1 Election of a Chair for the Technical Committee. ~ *Graham Moore, P.E., Executive Director*

Background/Information

The Technical Committee needs a Chair to lead the meetings.

Technical Committee Decisions Needed:

- Election of a Chair for the Technical Committee.

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F.2 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, P.E., Pape-Dawson Engineers*

Background/Information

Chris Noe with Pape Dawson will update the Committee on recent construction activities associated with the Phase 1B program.

Attachment(s)

- Phase 1B Construction Update – October 12, 2022

Technical Committee Decisions Needed:

- None.



PHASE 1B CONSTRUCTION UPDATE

TECHNICAL COMMITTEE MEETING

CMI Progress

October 6, 2022

Water Resources | Transportation | Land Development | Surveying | Environmental

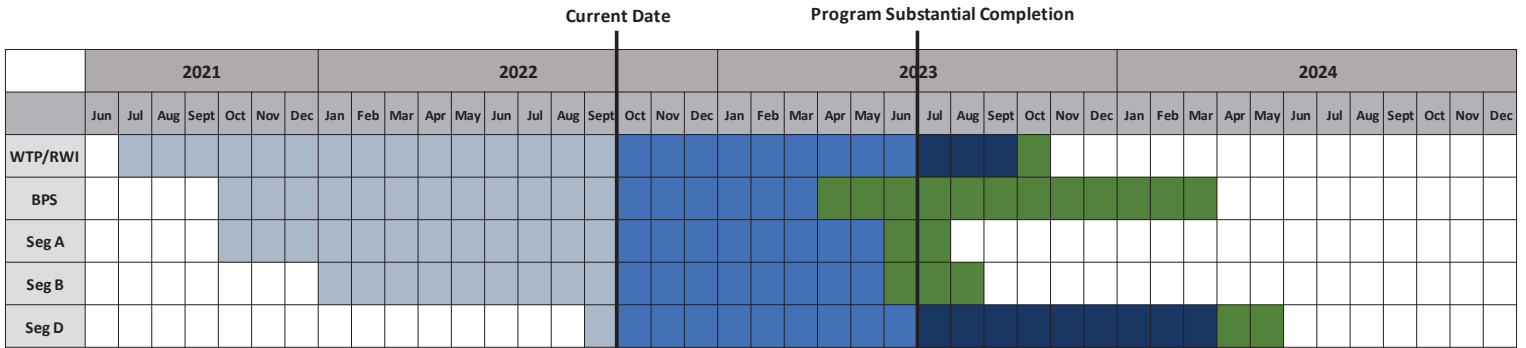


PROGRAM CONTRACT VALUES



PROJECT	CURRENT CONTRACT VALUE	BILLED TO DATE	REMAINING	% COMPLETE
WTP/RWI	\$55,002,687.00	\$24,768,870.00	\$30,233,817.00	45.03%
BPS	\$19,706,258.71	\$10,044,914.92	\$9,661,343.79	50.97%
Seg A	\$49,471,384.71	\$26,167,134.92	\$23,304,249.79	52.89%
Seg B	\$37,629,104.42	\$9,855,518.19	\$27,773,586.23	26.19%
Seg D	\$46,663,969.35	\$0.00	\$46,663,969.35	0.00%

PROGRAM SCHEDULE DURATIONS



Contract Dates					Program Sub Completion Status (June 2023)
Project	Notice to Proceed	Original Sub Completion	Current Sub Completion	Final Completion	
WTP/RWI	7/16/2021	7/16/2023	9/3/2023	11/2/2023	Behind 9 wks
BPS	10/25/2021	3/19/2023	3/19/2023	3/18/2024	On Time
Seg A	11/16/2021	6/9/2023	6/9/2023	10/7/2023	On Time
Seg B	2/15/2022	8/9/2023	8/9/2023	10/8/2023	On Time (Garney SCH showing SC 6/9/23)
Seg D	9/19/2022	4/1/2024	4/1/2024	5/31/2024	Behind 39 weeks

3

Water Treatment Plant / Raw Water Infrastructure (Archer Western / Walker Partners)

Construction Status

- Continued construction of the Rapid Mix Basin
- Continued installation of 36" GWI yard piping to Raw Water tanks
- Continue construction of the Lime System foundation
- Completed construction of the CO2 system foundation
- Continued installation of the HSPS suction piping and valves
- Continued installation of site electrical and fiber ductbanks
- Installed the Plate Settler Equipment
- Installed the CO2 storage tank
- Began installation of the process piping for the filter units at the Filter Complex
- Began the installation of the 42" filter influent line
- Began electrical building excavation and underground electrical installation



WTP - 36" GW Line to Raw Water Tanks

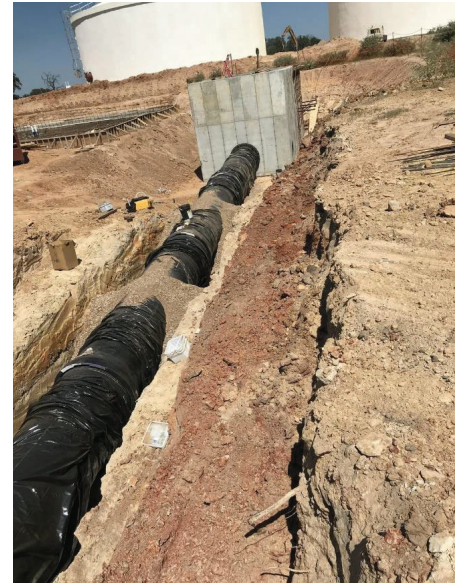
WTP/WRI - PROGRESS PHOTOS



WTP – Rapid Mix Basin



WTP – Lime System Foundation



WTP – 42" Influent Line from Rapid Mix Basin 5

Water Treatment Plant / Raw Water Infrastructure (Archer Western / Walker Partners)

Next Month - Projected Construction Activities

- Continue construction of the Rapid Mix Basin
- Complete installation of 36" GWI yard piping to Raw Water tanks
- Continue construction of the Lime System foundation
- Complete installation of the HSPS suction piping and valves
- Continued installation of site electrical and fiber ductbanks
- Continue installation of the process piping for the filter units at the Filter Complex
- Complete the installation of the 42" filter influent line
- Begin 36" GW line from the Raw Water tanks to the Rapid Mix basin
- Continue electrical building excavation and underground electrical installation
- Leak test the Clearwell
- Backfill around the Clearwell (contingent upon successful leak test)
- Begin masonry walls installation at the Filter Complex



WTP - Filter Unit Process Piping

Booster Pump Station (MWH / Friese and Nichols)

Construction Status

- Continue electrical underground ductbank installation
- Completed backfill of the electrical building
- Formed the electrical building footing and installed reinforcing steel
- Completed 42" DIP Segment C installation
- Completed wire winding and shotcrete on the exterior of the GST
- Coated the GST exterior and installed exterior appurtenances
- Began installation of Segment D pipeline
- Began the installation of the suction piping at the pump station



BPS – GST Ladder and Handrail Installation

BPS- PROGRESS PHOTOS



Sep 30, 2022 at 9:32:08 AM
9675 SH-142
Maxwell TX 78656
United States

BPS – Pump Station Suction Header



2022 at 3:02:47 PM
SH-142
TX 78656
United States

BPS – Pump Station Suction Piping to
Pump Cans



2022 at 9:47:11 AM
SH-142
TX 78656
United States

BPS – Electrical Building

Booster Pump Station (MWH / Friese and Nichols)

Next Month - Projected Construction Activities

- Place the electrical building foundation slab
- Continue 42" DIP Segment D installation
- Continue the installation of the suction piping at the pump station
- Begin the installation of the suction piping at the pump station
- Correction to yard piping alignment



BPS - GST Coating

Segment A (Garney Construction / LAN)

Construction Status

- Not Started
- ROW Cleared
- Pipe Delivered
- Pipe Installed
- Complete

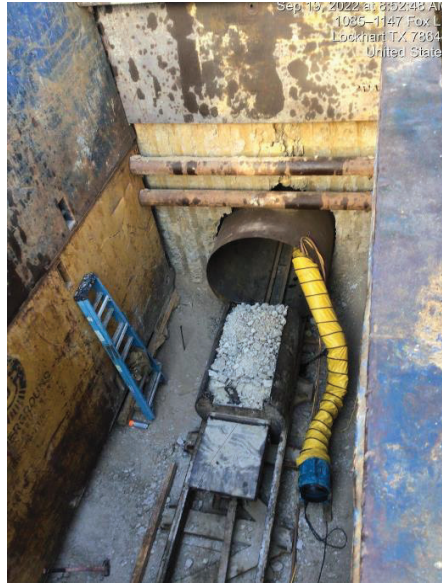


Activity	Status
ROW Cleared	100%
Pipe Delivered	100%
Minor Tunnels Completed	69% (11 of 16)
Pipe Installed	16%
Major Crossing (Plum Creek)	Receiving pit under construction

SEGMENT A - PROGRESS PHOTOS



Seg A – Bore #9 Hand Dig



Seg A – Bore #9 Completed 80" of Hand Digging



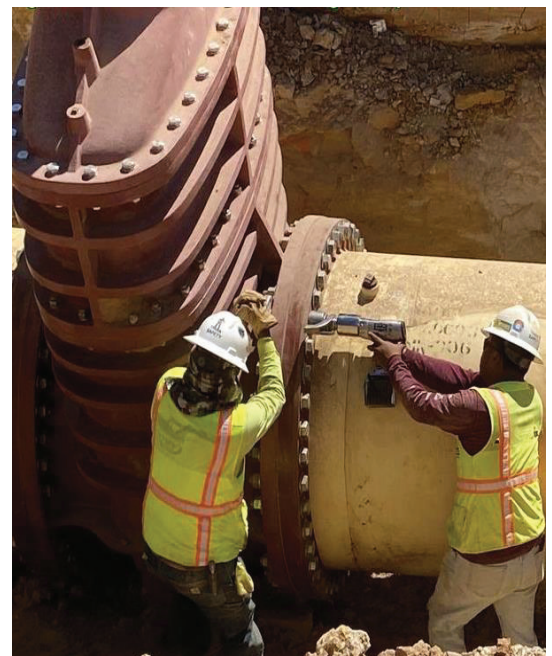
Seg A – Bore#9 Material Removal

11

Segment A (Garney Construction / LAN)

Next Month - Projected Construction Activities

- Continue receiving and staging embedment materials onsite ahead of two pipe laying crews
- Continue testing of embedment material and weld inspections thru HVJ
- Tunnels: Install 3 tunnels to bring total to 14 of 16 (88%)
 - Bore Location #10 at FM-86
 - Bore Location # 15 at Pecan Branch
 - Bore Location #16 at Seawillow Road
- Major Crossing
 - Finish receiving shaft on East side of Plum Creek and start installation of launch shaft on West side of Plum Creek
- Pipe Installation
 - Continue stripping, trenching, and pipe installation operations with pipe laying Crew 1 within a five mile stretch between SH 304 and Sand Hill Road
 - Conduct prove out with Garney pipe laying Crew 2 and start stripping, trenching, and pipe installation at Fox Lane heading West
- Install 48" gate valve with Garney pipe laying Crew 2 at STA 586+00



Seg A – STA 129+50 Gate Valve Final High Torque

Segment B (Garney Construction / K Friese)

Construction Status

- Not Started
- ROW Cleared
- Pipe Delivered
- Pipe Installed
- Complete

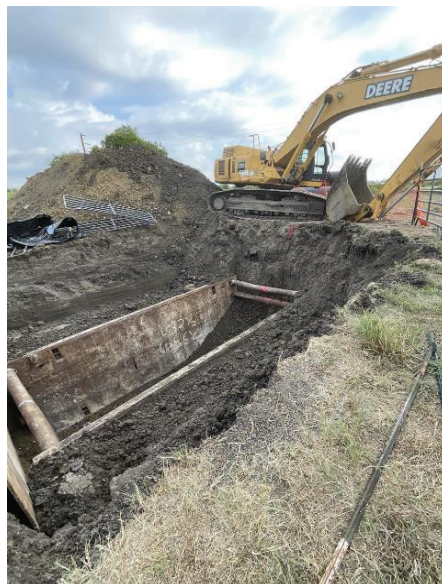


Activity	Status
ROW Cleared	100%
Pipe Delivered	45%
Minor Tunnels Completed	62% (13 of 21)
Pipe Installed	12%
Major Crossing (TX 130)	Submittal process underway

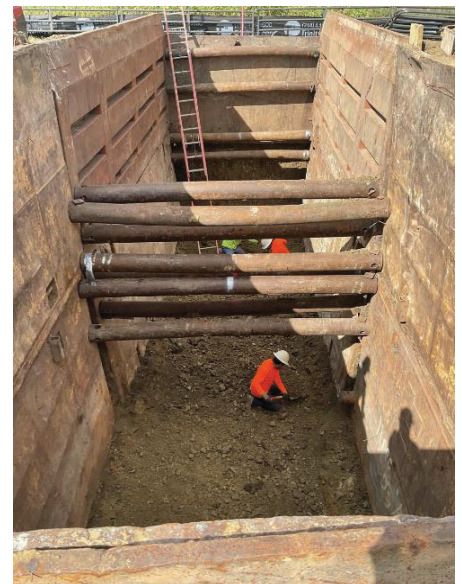
SEGMENT B - PROGRESS PHOTOS



Seg B – Staging 60” casing at Tunnel #11



Seg B – Tunnel #11 at Black Ankle Rd

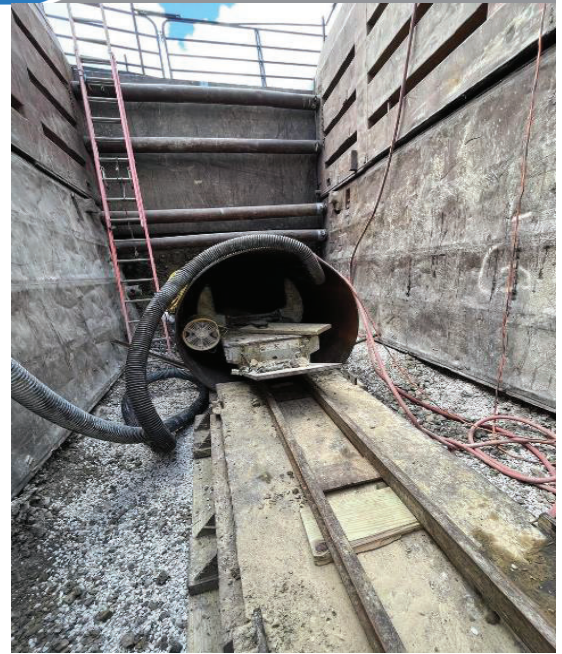


Seg B – Tunnel #11 at Black Ankle Rd

Segment B (Garney Construction / K Friese)

Next Month - Projected Construction Activities

- Tunnels
 - Install tunnels to bring total to 14 of 21 (67%)
 - Bore Location #10 on B1 – Dry Branch
 - Bore Location # 11 on B1 – CR 109
 - Bore Location #9A on B1 – CR 218
 - Bore Location #12 on B1 – Dry Branch Location
- Major Crossings
 - TX-130 Pre-construction meeting
 - Delivery of approved casing for crossing
 - Final approval anticipated for Shafts and update on material delivery for shafts with anticipated start shortly after materials arriving onsite
- Pipe Installation
 - Continue 36" Pipe Installation on B2 from Mill Steet heading West to the San Marcos WTP
 - Continue delivery of B1 pipe and staging embedment material
 - Continue delivery of B2 embedment material



Seg B – Bore Pit at Black Ankle Road

Segment D (SJ Lewis / Freese & Nichols)

Pre-Construction Activities

- Received and processed Contract documents
- Conducted Pre-Construction Kickoff meeting
- Issued Notice to Proceed to SJ Louis
- SharePoint access permissions granted
- Conducted SharePoint training with Contractor and Engineers
- Began processing RFI's and Shop Drawings

Next Month - Projected Activities

- Coordinate Bi-Weekly Meeting
- Continue processing submittals in preparation for construction activities



Project	RFIs		Submittals		Test Reports	
	This Period	To Date	This Period	To Date	This Period	To Date
WTP/RWI	3	59	7	194	22	202
BPS	1	32	5	83	14	103
Seg A	1	33	3	45	46	115
Seg B	0	14	2	46	56	129
Seg D	4	4	11	11	0	0

QUESTIONS?

REGULAR MEETING
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- F.3** Update and possible direction to Staff regarding the Authority's Phase 1B program.
~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

Ryan Sowa with Kimley-Horn will update the Committee on their recent activities associated with the Phase 1B program.

Attachment(s)

- Phase 1B Program Update – October 12, 2022
- Kimley-Horn Monthly Summary of Activities for September 2022

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
October 12, 2022



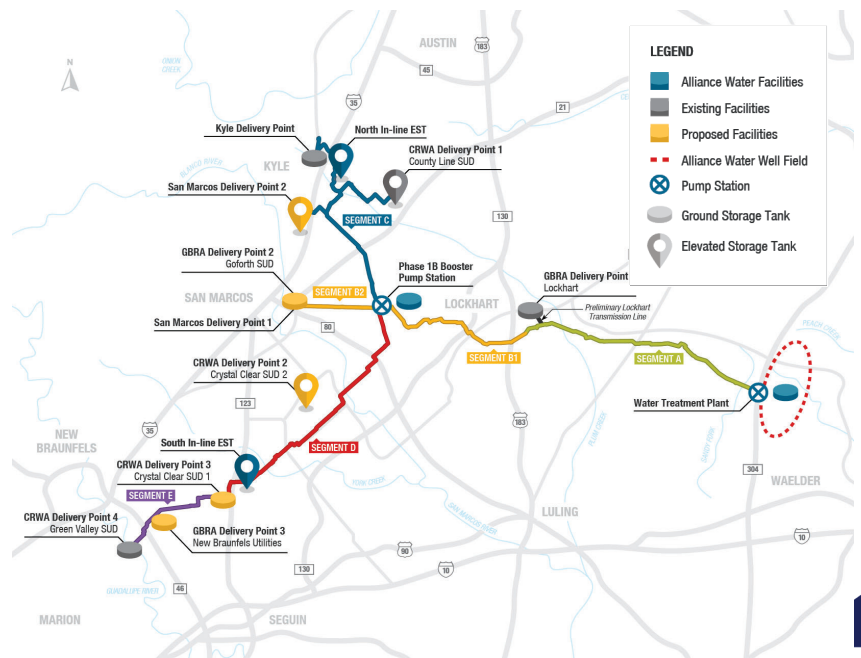
ALLIANCE WATER

PRESENTED BY **Kimley»Horn**
Expect More. Experience Better.

Ongoing Progress

► Design Milestone Status

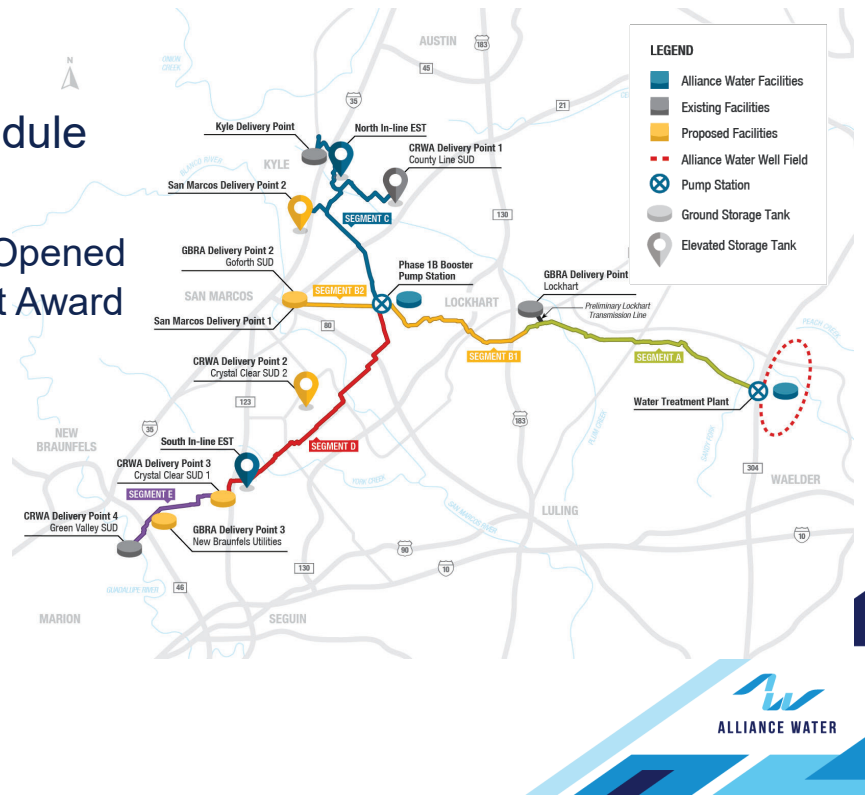
- Design Submittals
 - South In-line EST – 100% submittal in early November
 - Segment C – 100% submittal anticipated in early December
- TWDB Reviews
 - WTP
 - Change Order No. 1 and 2 Release of Funds Under Review
 - Segment D
 - Engineering Feasibility Report Being Routed for Approval
 - Segment E
 - Engineering Feasibility Report Under Review – Comments Received



Ongoing Progress

► Segment E Procurement Schedule

- Oct. 11th – Advertisement
- Nov. 14th – Proposals Received/Opened
- December – Anticipated Contract Award
- January – Notice to Proceed



Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						
		(A) Appraisal/Offer in Development	(B) Negotiation (Initial Offer)	(C) Negotiation (Final Offer)	(D) = (A+B+C) Appraisal / Negotiation	(E) Condemnation in Process	(F) = (D+E) Possession Still Needed	(G) Purchase Agreement Signed / Possession Obtained
A	39	0	0	0	0	0	0	39
B	52	0	0	0	0	0	0	52
D	57	0	0	0	0	0	0	57
C	75	5	0	8	13	12	25	50
E	31	0	0	2	2	6	8	23
Well Field	17	0	0	4	4	0	4	13
Total	271						37	234



COST UPDATES BASED ON SEPTEMBER MILESTONE SUBMITTALS/RESULTS

		ORIGINAL (FEB. 2019)	REVISED	
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
Submittal (%)	Combined Program Infrastructure			
Const.	Water Treatment Plant	\$ 25,200,000	\$ 29,500,000	\$ 4,300,000
Const.	Booster Pump Station & GBRA Meter Stations	\$ 12,100,000	\$ 13,700,000	\$ 1,600,000
90	Inline EST (South)	\$ 3,600,000	\$ 4,100,000	\$ 500,000
Const.	Pipeline Segment A	\$ 27,200,000	\$ 28,600,000	\$ 1,400,000
Const.	Pipeline Segment B	\$ 27,100,000	\$ 33,800,000	\$ 6,700,000
Const.	Pipeline Segment D	\$ 36,300,000	\$ 44,200,000	\$ 7,900,000
90	Pipeline Segment E	\$ 9,500,000	\$ 10,900,000	\$ 1,400,000
	Subtotal	\$141,000,000	\$164,800,000	\$ 23,800,000
	ARWA-Only Infrastructure			
Const.	Well Drilling	\$ 3,800,000	\$ 3,300,000	(\$ 500,000)
Const.	Raw Water Infrastructure	\$ 7,000,000	\$ 10,600,000	\$ 3,600,000
Const.	ARWA Booster Pump Station & Delivery Points	\$ 7,700,000	\$ 4,800,000	(\$ 2,900,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,500,000	\$ 1,100,000
90	Pipeline Segment C	\$ 64,500,000	\$ 68,600,000	\$ 4,100,000
90	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 12,600,000	\$ 5,900,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
	Subtotal	\$ 99,400,000	\$110,600,000	\$ 11,200,000
	Total	\$240,400,000	\$275,400,000	\$35,000,000

OCTOBER 2022 UPDATE

**NO CHANGE FROM
SEPTEMBER UPDATE**



Questions?

October 06, 2022

Project Monthly Summary

September 2022 Tasks Performed:

- Task 2 – Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continued weekly task coordination with Alliance Water.
 - Prepared and presented the Technical Committee Meeting Update.
 - Prepared and presented the Project Advisory Committee Meeting Update.
 - Prepared and presented the Board Meeting Update.
 - Prepared for and held Monthly Status Meeting with Alliance Water.

- Task 3 – Budgeting
 - Prepared and presented the monthly Budget Update for the Technical Committee and Board meetings.
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.

- Task 4 – Schedule
 - Revised the Project Deliverable Schedule based on the feedback received from ARWA, Design Consultants, and Construction Management & Inspection team.
 - Integrated each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.

- Task 6 – Data Management
 - Continued to coordinate with ARWA and Construction Management & Inspection Team to integrate construction data collected on the GIS WebMap.
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for easement acquisition process and alignment changes.

- Task 7 – Environmental Management
 - *Continued coordination with the Program Environmental Consultant to wrap up fieldwork for Segments C.*
 - Continued coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
 - Continued coordination with Program Environmental Consultant concerning the comments from the United States Army Corps of Engineers.
 - Continued coordination between Program Environmental Consultant and Segment C Design Consultant to clarify environmental field work to be done on properties as part of easement acquisition process.

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
- Continued coordination between Program Environmental Consultant and Design Engineers.
- Task 8 – Land Acquisition Management
 - *Contract close out coordination with Program Land Acquisition Consultant.*
 - Coordinated the appraisal process for Segments C, E, and W parcels.
 - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition team.
 - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
 - Reviewed Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
 - Continued field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management
 - Continued coordination with ARWA, GBRA, and TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review as well as preparation of funding release requests.
- Task 10 – Design Standards
 - Reviewed Construction Standards given questions arising from construction activities and coordinated with the Program Design Consultants as needed.
- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continue coordination with Design Consultant for construction phase services.
 - Segment B
 - Continued coordination with Design Consultant for construction phase services.
 - Segment C
 - Continued coordination with Design Consultant for final design.
 - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
 - Segment D

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Continue coordination with Design Consultant during project procurement and construction phase services.
 - Segment E
 - Reviewed Segment E 100% Design submittal prepared by the Design Consultant and provided compiled comments to the Design Consultant.
 - Continued coordination with Design Consultant for final design.
 - Raw Water Infrastructure:
 - Continued coordination with Design Consultant for construction phase services.
 - Water Treatment Plant:
 - Continued coordination with Design Consultant concerning Hydraulics/Surge development.
 - Continued coordination with Design Consultant for construction phase services.
 - Booster Pump Station:
 - Coordinated with Design Consultant for construction phase services.
 - Inline Elevated Storage Tanks:
 - Reviewed South Inline Elevated Storage Tank 90% Design submittal prepared by the Design Consultant and provided compiled comments to the Design Consultant.
 - Continued coordination with Design Consultant for final design development for the South and North Inline Elevated Storage Tanks.
 - Other:
 - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield, booster pump station).
 - Review invoices, schedules, and risk logs for consultants.
- Task 12 – Quality Assurance
 - Coordinated with the Land Acquisition team to audit files prior to contract expiration.
 - Task 13 – Electrical Power Planning
 - Continued coordination with GVEC regarding electric service to the WTP and wellfield.
 - Task 14 – Permit Coordination/Tracking
 - Continued Permit coordination with Pipeline Consultants.
 - Continued coordination with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
 - Continued coordination with Caldwell, Guadalupe, and Hays Counties regarding on going permit reviews.
 - Continued General Coordination with GVEC, BBEC, and LCRA.
 - On-going Permit Tracking Log Updates.

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Task 15 – Procurement and Construction Phase Services
 - *Continued coordinated with Segment D Design Consultant during the procurement and construction phases.*
 - Continued coordination with the Construction Management & Inspection team.
 - Continued coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.

- Task 18 – Environmental Construction Services
 - *Finalized efforts to complete Migratory Bird nest surveys and associated memos for reporting.*
 - Continue coordination with USACE regarding Sandy Creek and Plum Creek permits.
 - Attended construction status meetings.

October 2022 Projection:

- Task 2 – Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continue weekly task coordination with Alliance Water.
 - Prepare and present Technical Committee Meeting Update.
 - Prepare and present Project Advisory Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and hold Monthly Status Meeting with Alliance Water.

- Task 3 – Budgeting
 - *Address ARWA comments and finalize budget projection.*
 - Prepare and present the monthly Budget Update for the Technical Committee and Board meetings.
 - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.

- Task 4 – Schedule
 - *Incorporate the Inline Elevated Storage Tank schedule split within the overall Program schedule.*
 - Revise the Project Deliverable Schedule based on the feedback received from ARWA, Design Consultants, and Construction Management & Inspection team.
 - Integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.

- Task 6 – Data Management

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Continued coordination with ARWA and Construction Management & Inspection Team to integrate construction data collected on the new GIS WebMap.
- Ongoing maintenance of Microsoft SharePoint Online program.
- Continued updating of web-based GIS for easement acquisition process and alignment changes.
- Task 7 – Environmental Management
 - *Review the Segment C draft agency reports prepared by the Program Environmental Consultant.*
 - Continue coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
 - Continue coordination with Program Environmental Consultant concerning the comments from the United States Army Corps of Engineers.
 - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
 - Continue coordination between Program Environmental Consultant and Design Engineers.
 - Review Program Environmental invoices, schedule, and risk log.
- Task 8 – Land Acquisition Management
 - Coordinate the appraisal process for Segment C, E, and W parcels.
 - Coordinate with Program Survey Consultant and Design Consultants to address questions that arise as part of the field work coordination process.
 - Perform weekly QC of parcel files in SharePoint, provide comments to Legal Land Acquisition team.
 - Weekly coordination meeting with Legal Land Acquisition to discuss status of easement acquisition proceedings and to provide Program clarification on any questions/requests that have come from landowners.
 - Review Program Appraiser and Program Survey invoices.
 - Continue field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management
 - Continue coordination with ARWA, GBRA, and TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review as well as preparation of funding release requests.
- Task 10 – Design Standards
 - Review Construction Standards given questions arising from construction activities and coordinate with the Program Design Consultants as needed.
- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Continue coordination with Design Consultant for construction phase services.
 - Segment B
 - Continue coordination with Design Consultant for construction phase services.
 - Segment C
 - Continue coordination with Design Consultant for final design.
 - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
 - Segment D
 - *Continue coordination with Design Consultant for construction phase services.*
 - Segment E
 - *Coordinate with Design Consultant during final design and project procurement services.*
 - Raw Water Infrastructure:
 - Continue coordination with Design Consultant for construction phase services.
 - Water Treatment Plant:
 - Continue coordination with Design Consultant concerning Hydraulics/Surge development.
 - Continue coordination with Design Consultant for construction phase services.
 - Booster Pump Station:
 - Continue coordination with Design Consultant for construction phase services.
 - Inline Elevated Storage Tanks:
 - Continue coordination with Design Consultant for final design development for the South and North Inline Elevated Storage Tanks.
 - Other:
 - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
 - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
 - Continue coordination with GVEC regarding electric service to the WTP and wellfield.
 - Task 14 – Permit Coordination/Tracking
 - Continue Permit coordination with Pipeline consultants
 - Coordinate with Hays County concerning the Site Development Permit.
 - General Coordination with TxDOT.
 - Coordinate with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Continue General Coordination with GVEC, BBEC, and LCRA.
- On-going Permit Tracking Log Updates.

- Task 15 – Procurement and Construction Phase Services
 - *Coordinate with Segment E Design Consultant during the procurement phase.*
 - *On-going coordination with WTP, RWI, BPS, Segment A, Segment B, and Segment D Design Consultants during the construction phase.*
 - On-going coordination with the Construction Management & Inspection team.

- Task 16 – Other Services
 - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.

- Task 18 – Environmental Construction Services
 - Continue coordination with USACE regarding Sandy Creek and Plum Creek permits.
 - Attend construction status meetings.

Scope Elements Added/Removed:

None at this time.

Outstanding Issues/Concerns:

None at this time.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.4** Update, discussion and possible direction to Staff regarding the Corrosion Report process and submittals to the Texas Commission on Environmental Quality. ~
Marisa Vergara, P.E., CP&Y
-

Background/Information

Marisa Vergara with CP&Y will attend the meeting and will provide an update on the Corrosion Report process and submittals to TCEQ.

Technical Committee Decision Needed:

- Possible direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.5** Update, discussion and possible direction to Staff regarding the Authority's Graphical Information Systems and information gathered during construction. ~
Graham Moore, P.E., Executive Director
-

At a previous meeting Mr. Ramos requested an update on the Authority's GIS program. Attached is a short presentation to highlight the overall system. The demonstration is for the Phase 1A system (pipelines and pump station) – the Phase 1B system data is being collected in the same manner so that it will be uniform across the entire infrastructure system.

Attachment(s)

- GIS Program Update Presentation

Technical Committee Decisions Needed:

- Possible Direction to Staff.

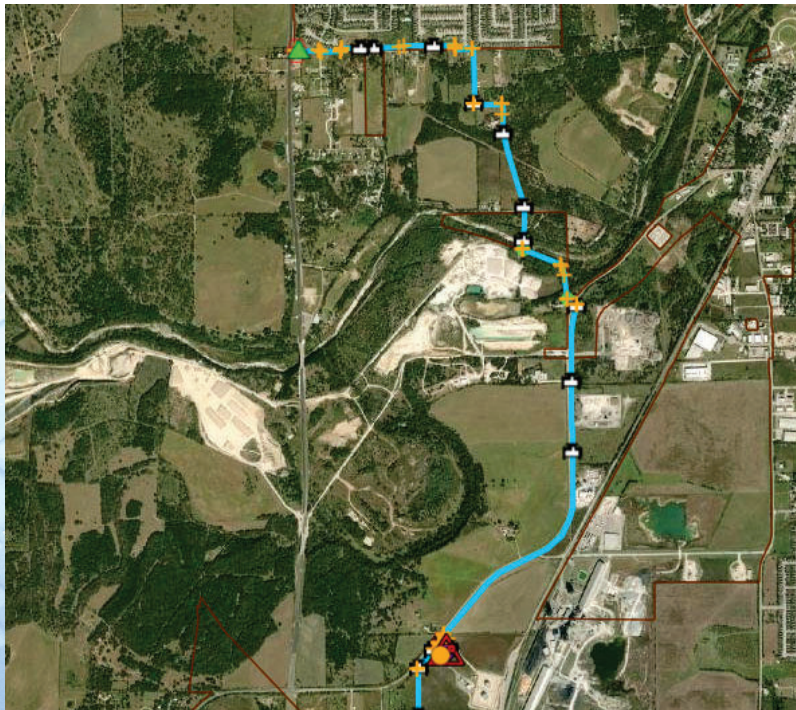
ALLIANCE REGIONAL WATER AUTHORITY

GRAPHICAL INFORMATION SYSTEM (GIS) UPDATE

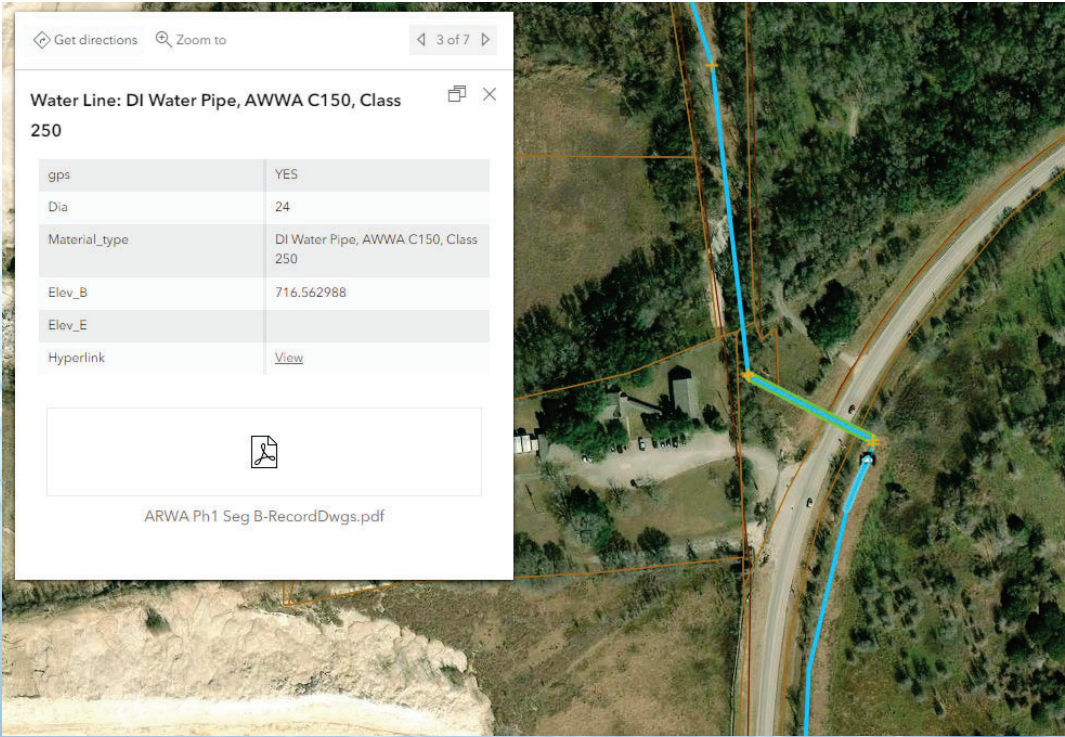
TECHNICAL COMMITTEE MEETING
OCTOBER 12, 2022



PHASE 1A GIS



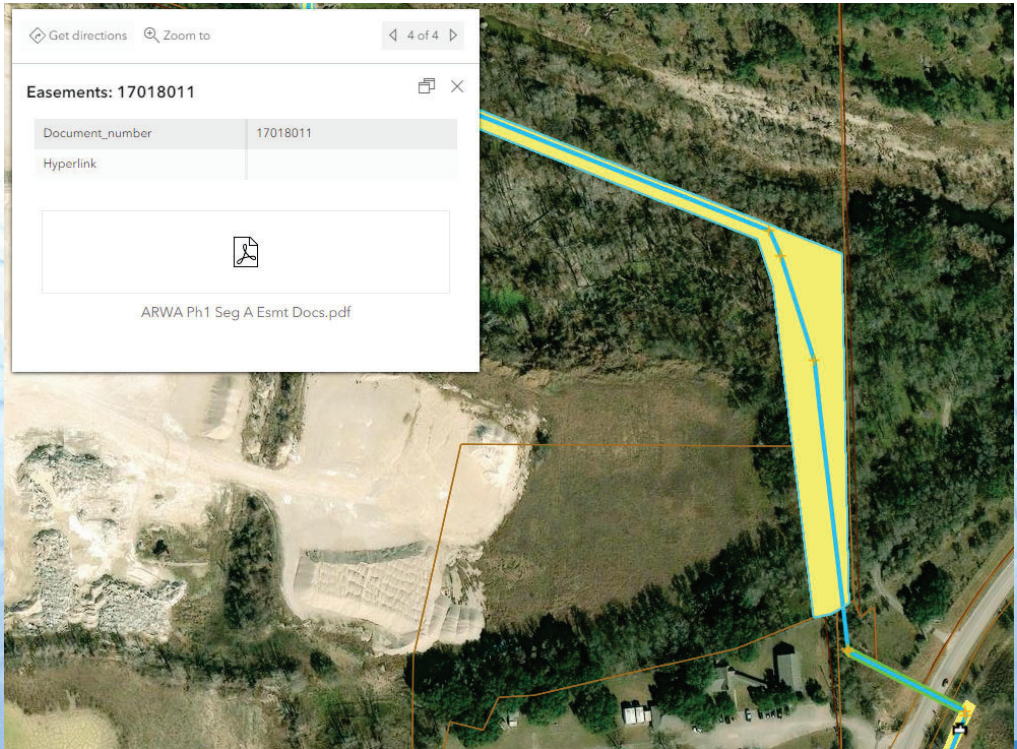
PHASE 1B COMPONENTS



ALLIANCE REGIONAL WATER AUTHORITY



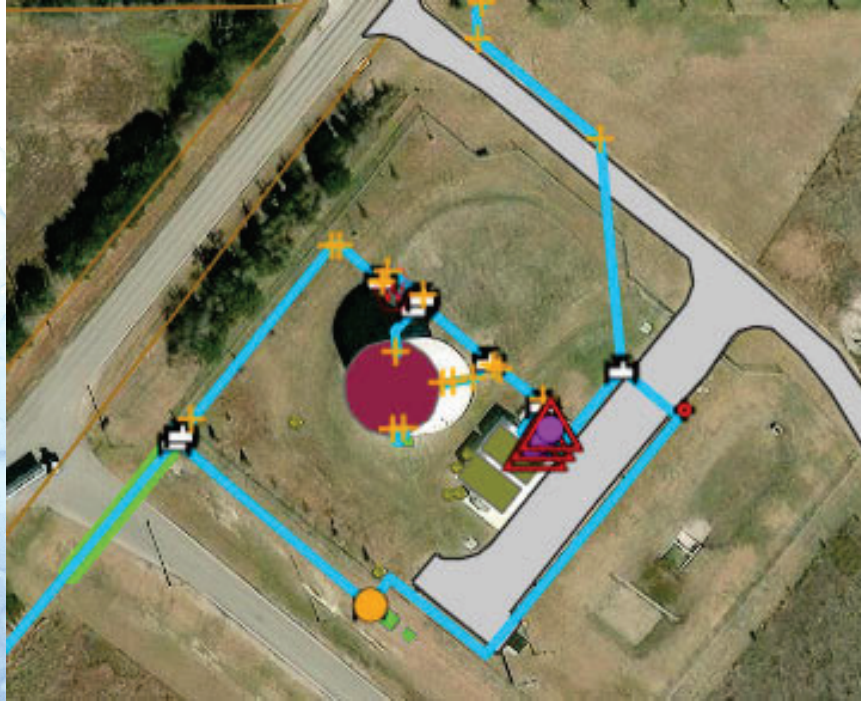
PHASE 1B COMPONENTS



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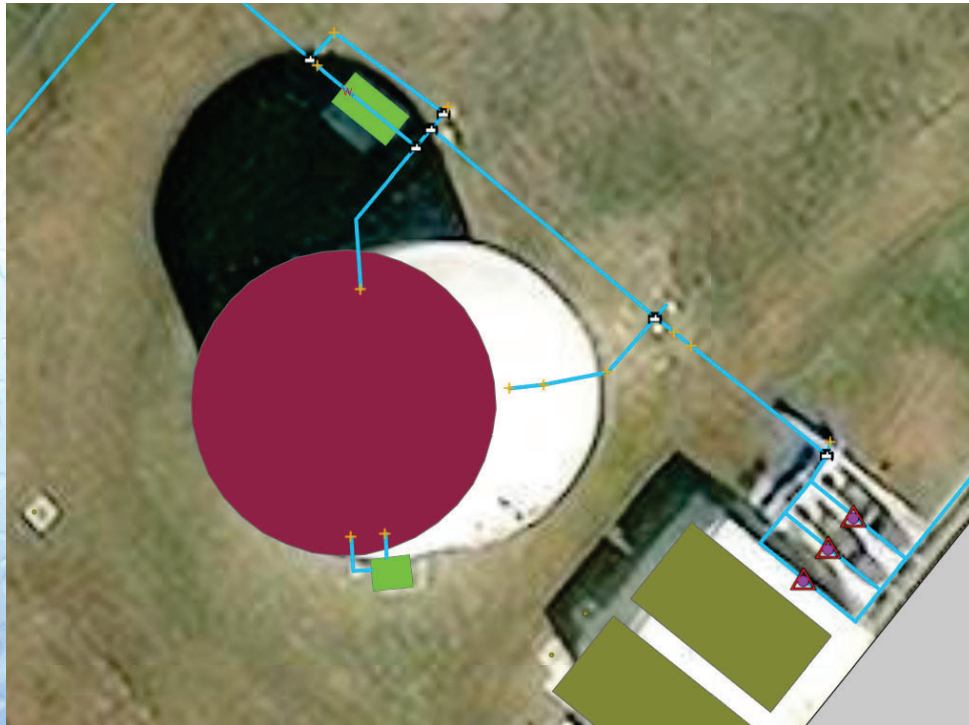
BUDA BPS GIS



ALLIANCE REGIONAL WATER AUTHORITY



BUDA BPS GIS



ALLIANCE REGIONAL WATER AUTHORITY



QUESTIONS

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Graham Moore, P.E.

Executive Director

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ALLIANCE REGIONAL WATER AUTHORITY



REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.6** Update, discussion and possible direction to Staff regarding updated water projections from the Authority's Sponsors. ~ *Graham Moore, P.E., Executive Director*
-

The Authority recently received the final water projections from the Sponsors.

Every Sponsor uses a different methodology, time period and/or units for the projections, making the evaluation of the data difficult and time-consuming. Staff is currently working through all of the projections to make them comparable.

Staff intends to present the results of the analysis in November. The presentation is expected to include the projections without any of the ARWA water included, and then the projections only with the Phase 1B water included. This will help everyone to understand when the future phases of the water are projected to be needed.

Technical Committee Decisions Needed:

- Possible Direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

F.7 Update, discussion and possible direction to Staff regarding the Authority’s request to the Texas Water Development Board for additional SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*

The Authority’s financial application was approved by the TWDB at their July meeting. The aggregate requested funding is for \$48,000,000 broken down as follows along with projected debt service:

Entity	Amount to be Issued	Budgeted Amount		Final Debt Service	
		FYE 23	All Others	FYE 23	All Others
CRWA	\$14.83 MM	\$375,000	\$830,000	\$418,042	\$899,500
Kyle	\$13.52 MM	\$340,000	\$760,000	\$383,000	\$820,100
San Marcos	\$17.21 MM	\$340,000	\$1,185,000	\$390,000	\$1,261,100
Buda	\$2.44 MM	\$50,000	\$170,000	\$55,200	\$178,900

The Authority and each of the Sponsors will need to approve the bond resolutions and related documents after the TWDB sells their bonds in early October. Below is the anticipated schedule for the various approvals:

<u>Date</u>	<u>Action</u>
10/17	County Line SUD Board approves bond resolution and related docs
10/18	CRWA Board, San Marcos, Kyle and Buda City Councils approve bond resolution and related docs
10/27	Green Valley SUD & Crystal Clear SUD approves bond resolution and related docs
10/31	Alliance Water approves resolution and related docs
11/15 & 11/16	Closing date for Alliance Water bonds

Technical Committee Decisions Needed:

- Possible Direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.8** Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.
~ *Graham Moore, P.E., Executive Director*
-

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD is scheduled to meet on October 11th. A primary topic of discussion will be the GBRA permit hearing which has been continued from the September meeting.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on October 18th.

Groundwater Management Area 13

GMA-13 is next scheduled to meet on October 14th.

Region L Planning Group

Region L is scheduled to meet next on November 3rd.

Guadalupe-Blanco River Authority; Hays County Activities; CAPCOG Activities

No update.

Technical Committee decision needed:

- None.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- G. EXECUTIVE DIRECTOR REPORT** - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*

Consultant Invoices Paid

- Below are reports on the consultant invoices paid in September.

FY 21-22 CONSULTANT INVOICES PAID IN SEPTEMBER 2022

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
RW Harden	\$30,000.00	\$9,031.00	\$20,437.33	68%	\$9,562.67	
Kent Alan Sick - ROW Legal	\$30,000.00	\$0.00	\$495.00	2%	\$29,505.00	
LNV - GIS Svcs	\$1,590.88	\$0.00	\$0.00	0%	\$1,590.88	
Armstrong, Vaughan & Associates, P.C.	\$10,930.00	\$0.00	\$10,930.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$255,000.00	\$23,132.00	\$209,170.40	82%	\$45,829.60	
Lloyd Gosselink Rochelle & Townsend	\$125,000.00	\$0.00	\$93,725.99	75%	\$31,274.01	
CD&P - Public Relations	\$50,000.00	\$7,976.75	\$47,158.37	94%	\$2,841.63	
Law Offices of Patricia Erlinger Carls	\$22,284.70	\$0.00	\$0.00	0%	\$22,284.70	
Schlueter Group of Texas, LLC	\$45,000.00	\$5,000.00	\$45,000.00	100%	\$0.00	
Texas Land & Right of Way Company, LLC	\$40,000.00	\$2,310.00	\$39,095.63	98%	\$904.37	
AECOM - Blanco Basin WW Study	\$47,010.00	\$0.00	\$42,309.00	90%	\$4,701.00	
Total	\$609,805.58	\$47,449.75	\$466,012.72		\$143,792.86	

- On the following page is the report on the Phase 1B invoices paid in September.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

PHASE 1B FY 20-21 CONSULTANT INVOICES PAID IN SEPTEMBER 2022

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WOS	\$1,211,382.72	\$0.00	\$902,176.05	74%	\$309,206.67	
Kimley-Horn Ph 1B Owner's Rep WOS	\$1,989,091.00	\$389,302.02	\$806,886.44	41%	\$1,182,204.56	
Blanton - Environmental	\$1,184,938.15	\$304,511.57	\$790,192.76	67%	\$394,745.39	
LAN - Segment A Final	\$37,197.04	\$0.00	\$37,182.42	100%	\$14.62	
LAN - Segment A Construction	\$605,957.91	\$18,461.25	\$149,370.33	25%	\$456,587.58	
KFA - Segment B Final	\$89,769.42	\$0.00	\$66,133.15	74%	\$23,636.27	
KFA - Segment B Construction	\$471,544.00	\$0.00	\$59,085.38	13%	\$412,458.62	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$519,338.89	\$0.00	\$33,239.38	6%	\$486,099.51	
FNI - Segment D Prelim	\$61,533.66	\$0.00	\$0.00	0%	\$61,533.66	
FNI - Segment D Final	\$307,435.65	\$28,802.05	\$306,721.36	100%	\$714.29	
Walker - Segment E Prelim	\$38,153.24	\$0.00	\$0.00	0%	\$38,153.24	
Walker - Segment E Final	\$450,315.35	\$13,907.50	\$188,907.40	42%	\$261,407.95	
LAN - ROW Acquisition	\$741,441.42	\$12,003.01	\$326,379.54	44%	\$415,061.88	
DTR&G	\$2,000,000.00	\$202,458.92	\$1,512,598.57	76%	\$487,401.43	
CBRE - Appraisals	\$943,090.00	\$129,150.00	\$612,150.00	65%	\$330,940.00	
CP&Y - Survey	\$357,734.00	\$0.00	\$214,779.50	60%	\$142,954.50	
RW Harden - WDH Const Admin	\$12,470.00	\$0.00	\$12,470.00	100%	\$0.00	
LNV - RWI	\$163,760.50	\$0.00	\$5,370.00	3%	\$158,390.50	
FNI - BPS Final	\$267,620.10	\$0.00	\$56,675.37	21%	\$210,944.73	
Plummer - Inline Elevated Tank Prelim	\$3,730.07	\$0.00	\$0.00	0%	\$3,730.07	
Plummer - Inline Elevated Tank Final	\$290,663.43	\$3,198.40	\$55,295.86	19%	\$235,367.57	
Pape-Dawson - CM&I WOS	\$1,501,376.61	\$0.00	\$935,095.71	62%	\$566,280.90	
Pape-Dawson - CM&I WOS	\$5,601,900.00	\$0.00	\$2,125,840.62	38%	\$3,476,059.38	
Hicks & Co - WDH Environmental	\$15,571.00	\$0.00	\$0.00	0%	\$15,571.00	
Walker Partners - WTP CA Svcs	\$1,253,702.22	\$54,338.41	\$541,823.82	43%	\$711,878.40	
LNV/Arduina - RWI CA Svcs	\$340,160.00	\$0.00	\$14,704.50	4%	\$325,455.50	
FNI - BPS CA Svcs	\$527,630.50	\$25,737.83	\$189,282.26	36%	\$338,348.24	
CP&Y - SCADA Programming Svcs	\$821,470.94	\$19,625.04	\$257,508.45	31%	\$563,962.49	
HVJ - Materials Testing (WTP)	\$473,148.75	\$14,367.00	\$118,698.25	25%	\$354,450.50	
HVJ - Materials Testing (BPS)	\$131,259.00	\$5,634.75	\$62,941.75	48%	\$68,317.25	
HVJ - Materials Testing (Segment A)	\$730,665.00	\$22,251.00	\$0.00	0%	\$730,665.00	
HVJ - Materials Testing (Segment B)	\$485,483.00	\$25,510.72	\$45,124.72	9%	\$440,358.28	
Total	\$23,644,832.61	\$1,288,268.47	\$10,428,833.69	44%	\$13,217,668.22	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

Approved Change Orders

- Below are the Consultant changes that were issued in September 2022.

CHANGE ORDERS APPROVED IN SEPTEMBER 2022				
Consultant	Original Authorization	Change Orders to Date	Change Order Approved this Month	New Total Contract Amount
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 44,408.00	\$ -	\$ 816,025.00
CP&Y: Ph 1B Program Survey	\$ 3,375,780.00	\$ 83,500.00	\$ -	\$ 3,459,280.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 418,373.96	\$ -	\$ 2,417,837.96
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 262,949.00	\$ -	\$ 2,166,026.00
Blanton & Assoc: Environmental Invest.	\$ 1,398,775.00	\$ 150,703.00	\$ -	\$ 1,549,478.00
K Friese & Assoc: 1B Seg B Final Design	\$ 1,830,994.00	\$ 331,242.13	\$ 25,000.00	\$ 2,063,949.13
LAN: 1A Seg B Const Admin	\$ 108,860.01	\$ 6,204.04	\$ -	\$ 115,064.05
LNV: 1B Raw Water (Design)	\$ 1,418,700.00	\$ 107,570.00	\$ -	\$ 1,526,270.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 286,628.00	\$ 123,500.00	\$ 1,477,049.00
BGE: 1B Segment C Final	\$ 2,688,310.00	\$ 652,306.00	\$ -	\$ 3,340,616.00
Freese & Nichols: 1B BPS & DP Final	\$ 1,580,519.00	\$ 163,657.00	\$ -	\$ 1,744,176.00
Pape Dawson: CMI	\$ 57,520.00	\$ 43,080.00	\$ -	\$ 100,600.00
Walker Partners: WTP (CA Svcs)	\$ 1,638,207.00	\$ 164,682.00	\$ -	\$ 1,802,889.00
Freese & Nichols: 1B BPS & DP (CA Svcs)	\$ 497,224.00	\$ 32,896.00	\$ -	\$ 530,120.00
LAN: 1B Segment A (CA Svcs)	\$ 486,610.00	\$ 25,000.00	\$ -	\$ 511,610.00
LNV: 1B Raw Water (Const Admin)	\$ 210,345.00	\$ 28,500.00	\$ -	\$ 238,845.00
K Friese & Assoc: 1B Seg B Final Design	\$ 471,544.00	\$ 10,000.00	\$ 10,000.00	\$ 481,544.00

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- Below are the change orders approved for construction contracts in September.

Change Order Tracking					
ARWA Phase 1B Booster Pump Station & Delivery Points					
CO #	Short Description	Total Cost	GBRA's Cost	ARWA's Cost	Basis for Split
CO001	Engineer's Field Office	\$ (23,604.00)	\$ (13,279.61)	\$ (10,324.39)	Bid Item A-01 Cost Split
CO002	Replace butterfly valves with gate valves	\$ (29,468.29)	\$ (16,578.86)	\$ (12,889.43)	Bid Item A-01 Cost Split
CO003	Aquastore Mods to Green Valley DP	\$ 20,500.00	\$ -	\$ 20,500.00	Allowance A-17 Split
TOTAL		\$ (32,572.29)	\$ (29,858.47)	\$ (2,713.82)	

No other change orders were issued on construction projects in September.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- H.** COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
-

Background/Information

The Committee Members have an opportunity to make announcements or to request that items be added to future Board or Committee agendas.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*

- A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
-

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 12th, 2022 at 3:00 P.M.

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I.2 Action from Executive Session on the following matters:

- A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
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REGULAR MEETING
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J. ADJOURNMENT
