

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, October 11th, 2023 at 3:00 P.M.

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

Meeting ID: 896 9982 2817

Passcode: 257788

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

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 11th, 2023. 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: 896 9982 2817

Passcode: 257788

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 11, 2023. 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 August 9, 2023. ~ *Graham Moore, P.E., Executive Director*

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. ~ *Toby Flinn, P.E., Pape-Dawson Engineers*

F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

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- F.3 Discussion and possible approval of Change Order #2 with SJ Louis Construction of Texas, LTD. for the re-installation of the tunnel at the intersection of FM 1339 and SH-123 in Guadalupe County to avoid an unmarked fiber optic cable bundle on the Authority's Phase 1B Segment D Project. ~ *Graham Moore, P.E., Executive Director*

- F.4 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.

- 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

<u>NAME</u>	<u>PRESENT</u>
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Blake Neffendorf	
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Vacant	
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Paul Kite	
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Humberto Ramos	
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Tim Samford	
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Regina Franke	
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<u>NON-VOTING MEMBERS</u>	<u>PRESENT</u>
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Mayor Lee Urbanovsky	
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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 August 9, 2023. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2023 08 09 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, August 9, 2023

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, August 9, 2023 by telephonic conference call.

A. CALL TO ORDER.

The Alliance Water Technical Committee Meeting was called to order at 3:01 p.m. by Mr. Samford.

B. ROLL CALL.

- **Present: Turley, Kite, Ramos, Samford and Franke.**
- **Absent: Neffendorf and Urbanovsky.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

- D.1 Consider approval of minutes of the Regular Technical Committee Meeting held July 12, 2023.**
- **Motion to adopt the minutes as presented was made by Mr. Kite, seconded by Ms. Franke and approved on a 5-0 vote.**

E. PRESENTATIONS TO THE COMMITTEE

- E.1 None.**

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

Note: Item F.3 was taken out of order.

- F.3 Discussion and possible recommendation to the Board to recommend approval of the proposed Authority budget for FY 2023-24; and possible direction to staff.
- **Motion to recommend to the Board adoption of the Authority's FY 2023-24 budget as presented was made by Mr. Samford, seconded by Ms. Franke and approved on a 5-0 vote.**
- 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. Samford requested that the schedules for Segments C1 and C2 be tracked separately for reporting purposes.**
 - **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.**
 - **No Action.**
- F.4 Discussion and possible direction to Staff regarding funding options for the remaining Phase 1B projects and the Phase 1C/1D expansions.
- **Mr. Moore provided an update on funding options that are under review and noted that more information will be presented at the August Board meeting.**
 - **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 provided an update.**
 - **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **No Action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **None.**

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
 - D. Operation and Maintenance Agreement of Carrizo Regional Water Supply
- **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 3:47 p.m. based on the motion by Mr. Kite, seconded by Mr. Turley and approved on a 5-0 vote.**

APPROVED: _____, 2023

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

Background/Information

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

Attachment(s)

- Phase 1B Construction Update – October 4, 2023

Technical Committee Decisions Needed:

- None.

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- F.2** 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 11, 2023
- Kimley-Horn Monthly Summary of Activities for September 2023

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
October 11, 2023



ALLIANCE WATER

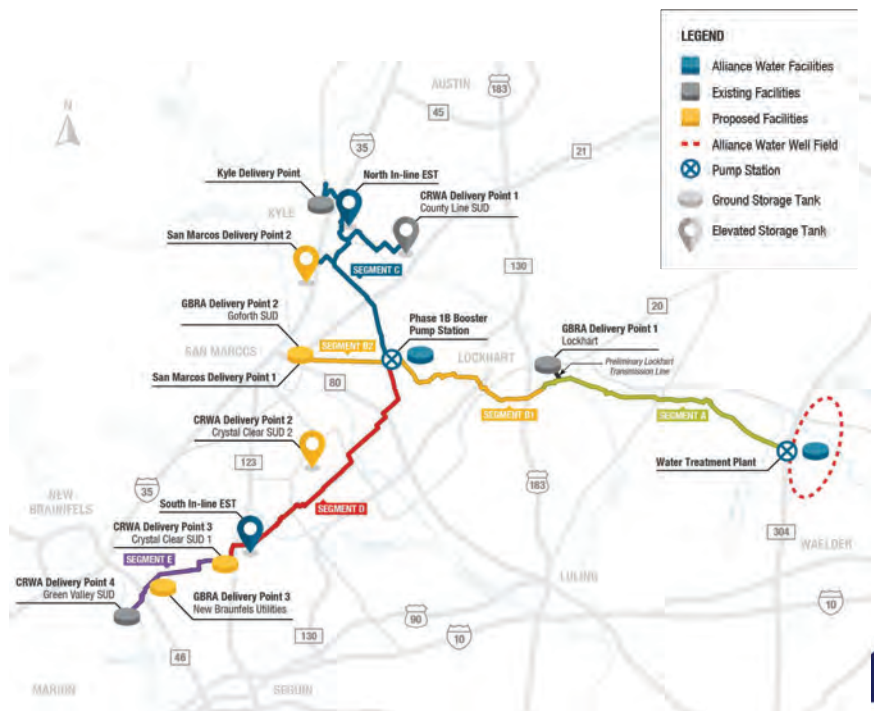
PRESENTED BY **Kimley»Horn**
Expect More. Experience Better.

Ongoing Progress

- ▶ Design Milestone Status
 - Segment C
 - 100% Submittal – Week of October 2nd

- ▶ Environmental
 - Segment C – Final Approval Received

- ▶ TWDB Reviews
 - Segment E
 - Plans and Specs – Approved 10/2/2023
 - Construction – Release of Funds Request – Posted, pending funds provided to ARWA
 - South In-line EST
 - Plans and Specs – Under Review (Routed for Approval)
 - Construction – Release of Funds Request – Posted, pending funds provided to ARWA



Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						Final Settlement Outstanding
		(A) Appraisal/Offer in Development	(B) Negotiation	(C) = (A+B) Appraisal / Negotiation	(D) Condemnation in Process	(E) = (C+D) Possession Still Needed	(F) Purchase Agreement Signed / Possession Obtained	
A	39	0	0	0	0	0	39	4
B	47	0	0	0	0	0	47	14
D	60	0	0	0	0	0	60	15
C	76	3	7	10	2	12	64	35
E	36	0	0	0	0	0	36	11
Well Field	16	0	4	4	0	4	12	4
Total	274					16	258	83



COST UPDATES BASED ON FEBRUARY MILESTONE SUBMITTALS/RESULTS

		PREVIOUS	REVISED	
Construction Package		ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
Submittal (%) Combined Program Infrastructure				
Const.	Water Treatment Plant	\$ 29,500,000	\$ 31,400,000	\$ 1,900,000
Const.	Booster Pump Station & GBRA Meter Stations	\$ 13,700,000	\$ 14,000,000	\$ 300,000
Const.	Inline EST (South)	\$ 4,800,000	\$ 4,500,000	(\$ 300,000)
Const.	Pipeline Segment A	\$ 28,600,000	\$ 31,000,000	\$ 2,400,000
Const.	Pipeline Segment B	\$ 33,800,000	\$ 38,000,000	\$ 4,200,000
Const.	Pipeline Segment D	\$ 44,200,000	\$ 49,200,000	\$ 5,000,000
Const.	Pipeline Segment E	\$ 14,000,000	\$ 17,800,000	\$ 3,800,000
	Subtotal	\$168,600,000	\$185,900,000	\$ 17,300,000
ARWA-Only Infrastructure				
Closed	Well Drilling	\$ 3,300,000	\$ 3,300,000	\$ 0
Const.	Raw Water Infrastructure	\$ 10,600,000	\$ 11,400,000	\$ 800,000
Const.	ARWA Booster Pump Station & Delivery Points	\$ 4,800,000	\$ 5,200,000	\$ 400,000
60	Inline EST (North)	\$ 6,500,000	\$ 7,200,000	\$ 700,000
95	Pipeline Segment C	\$ 68,600,000	\$101,800,000	\$ 33,200,000
Const.	Pipeline Segment E (ARWA-Only)	\$ 12,800,000	\$ 15,300,000	\$ 2,500,000
No Design	Administration and Operations Building	\$ 4,200,000	\$ 4,200,000	\$ 0
	Subtotal	\$110,800,000	\$148,400,000	\$ 37,600,000
Total		\$279,400,000	\$334,300,000	\$54,900,000

Revised Projected Cost (\$334,300,000) - Total SWIFT Funding (\$288,410,000) = \$45,890,000



Questions?

October 6, 2023

Project Monthly Summary

September 2023 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.
 - Prepare and present 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 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
 - Integrated each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.

- Task 6 – Data Management
 - Continued tracking the number of easements with final settlement outstanding.
 - 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 address comments received from the Texas Water Development Board for the Pipeline Segment C Environmental Report.*
 - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
 - Continued coordination between Program Environmental Consultant and Design Engineers.

- Task 8 – Land Acquisition Management
 - *Continued negotiations with remaining Segment C parcels.*
 - Coordinated the appraisal process for Segments C and W parcels as needed.

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

- Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition legal 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 legal team.
- Weekly coordination meeting with Legal Land Acquisition team to discuss status of easement acquisition proceedings and to provide Program clarification on any questions/requests that have come from landowners.
- Reviewed Program Appraiser and Program Survey invoices.
- Continued field work coordination to notify landowners of upcoming field work by consultants as needed.

- Task 9 – Texas Water Development Board Management
 - Coordinated with TWDB staff to track the status of funding release requests as well as plans and specifications under review.
 - Continued coordination with ARWA, GBRA, and TWDB Staff to track all documents currently under review.

- 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 pipeline alignment considerations.
 - Segment D
 - Continue coordination with Design Consultant for construction phase services.
 - Segment E
 - Continue coordination with Design Consultant for construction phase services.
 - Raw Water Infrastructure:
 - Continued coordination with Design Consultant for construction phase services.
 - Water Treatment Plant:
 - Continued coordination with Design Consultant for construction phase services.
 - Booster Pump Station:
 - Coordinated with Design Consultant for construction phase services.

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

- Inline Elevated Storage Tanks:
 - Continued coordination with Design Consultant for construction phase services for the South Inline Elevated Storage Tank.
 - Continued coordination with Design Consultant for final design development for the North Inline Elevated Storage Tank.
- 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 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.
- Task 15 – Procurement and Construction Phase Services
 - On-going coordination with WTP, RWI, BPS, Segment A, Segment B, Segment D, Segment E, and South Inline EST Design Consultants during the construction phase.
 - Continued coordination with the Construction Management & Inspection team.
- Task 16 – Other Services
 - *Responded to City of San Marcos comments for the submitted City of San Marcos Watershed Protection Plan for the parcels to be platted near the Booster Pump Station.*
 - *Ongoing GBRA WTP Expansion option evaluation and cost projection development.*
- Task 18 – Environmental Construction Services
 - Attended construction status meetings.
 - Performed migratory bird nesting surveys.

October 2023 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 the Technical Committee Meeting Update.
 - Prepare and present Project Advisory Committee Meeting Update.

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

- Prepare and present Board Meeting Update.
- Prepare for and hold Monthly Status Meeting with Alliance Water.

- Task 3 – Budgeting
 - *Support ARWA staff in the continued budget presentation updates to the Technical Committee and Board Meetings.*
 - Prepare and present the monthly 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
 - Integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.

- Task 6 – Data Management
 - Continue tracking the number of easements with final settlement outstanding.
 - Continue 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.
 - Continue updating of web-based GIS for easement acquisition process and alignment changes.

- Task 7 – Environmental Management
 - *Continue coordination with the Program Environmental Consultant in addressing comments on the Segment C Environmental Report submittal to the Texas Water Development Board.*
 - 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
 - *Continue negotiations with remaining Segment C parcels.*
 - Coordinate the appraisal process for Segment C 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.

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

- Continue field work coordination to notify landowners of upcoming field work by consultants as needed.
- Task 9 – Texas Water Development Board Management
 - *Coordinate with Program PM and Design Consultants to prepare additional Funding Release documentation.*
 - Continue coordination with ARWA, GBRA, and TWDB Staff to track all 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
 - Continue coordination with Design Consultant for construction phase services.
 - Segment B
 - Continue coordination with Design Consultant for construction phase services.
 - Segment C
 - *Review 100% Plans and Specifications and provide comments to the Design Consultant.*
 - Continue coordination with Design Consultant for final design.
 - Segment D
 - Continue coordination with Design Consultant for construction phase services.
 - Segment E
 - Continue coordination with Design Consultant for construction phase services.
 - Raw Water Infrastructure:
 - Continue coordination with Design Consultant for construction phase services.
 - Water Treatment Plant:
 - 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 construction phase services for the South Inline Elevated Storage Tank.

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

- Continue coordination with Design Consultant for final design development for the 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 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.
 - Continue General Coordination with GVEC, BBEC, and LCRA.
 - On-going Permit Tracking Log Updates.
- Task 15 – Procurement and Construction Phase Services
 - On-going coordination with WTP, RWI, BPS, Segment A, Segment B, Segment D, Segment E, and South Inline Elevated Storage Tank Design Consultants during the construction phase.
 - On-going coordination with the Construction Management & Inspection team.
- Task 16 – Other Services
 - *Receive and address any remaining comments for the City of San Marcos Watershed Protection Plan for the parcels to be platted near the Booster Pump Station.*
 - *Ongoing GBRA WTP Expansion option evaluation and cost projection development.*
- Task 18 – Environmental Construction Services
 - Attend construction status meetings.
 - Perform migratory bird nesting surveys.

Scope Elements Added/Removed:

None at this time.

Outstanding Issues/Concerns:

None at this time.

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- F.3** Discussion and possible approval of Change Order #2 with SJ Louis Construction of Texas, LTD. for the re-installation of the tunnel at the intersection of FM 1339 and SH-123 in Guadalupe County to avoid an unmarked fiber optic cable bundle on the Authority’s Phase 1B Segment D Project. ~ *Graham Moore, P.E., Executive Director*

Background/Information

SJ Louis Construction of Texas, LTD (SJ Louis) is the prime contractor on the Segment D Project. Their tunneling subcontractor is Sundance. In constructing the last of the minor tunnel crossings on Segment D, Sundance ran into a fiber optic bundle at the end of the tunneling section that is owned by AT&T. The design team was not aware of the bundle so it was not shown on the construction plans. In addition, when the 8-1-1 utility locates were called, they also did not indicate that the fiber optic bundle was in the area. The contractor reached out to AT&T and the bundle is currently in use.

A proposal was requested from AT&T to raise the fiber optic bundle above the tunnel – the cost to do this would be \$197,580.03 and it would not be completed until February 2024. If this schedule were to slip at all it could jeopardize the substantial completion date for Segment D. This cost is shown as Option 1 in the attachment.

SJ Louis also requested a proposal from Sundance to re-align the tunnel to a higher elevation so as to avoid the existing bundle; this cost is \$155,575.00 and will not impact the overall construction schedule. The only hurdle with this option is getting approval from TxDOT to change the vertical profile. This cost is shown as Option 2 in the attachment.

Table below summarizes the original contract value, approved change orders to date and the overall impact of the proposed change order.

Segment D Change Orders				
	Total	ARWA Share	GBRA Share	Notes
Original Contract	\$46,663,969.35	\$35,744,600.52	\$10,919,368.83	
CO #1 (Add Cherryville Outlet)	\$10,094.36	\$10,094.36	\$0	Executive Director Approved
Proposed CO #2	\$155,575.00	\$119,170.45	\$36,404.55	
Total Adjusted Contract	\$46,829,638.71	\$35,873,865.33	\$10,955,773.38	
% Increase	0.36%	0.36%	0.03%	

Executive Director Recommendation

- Executive Director recommends approval of Change Order #2 utilizing Option #2

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Attachment(s)

- C0002 Proposal – Relay Tunnel to Avoid AT&T Conduits

Technical Committee Decisions Needed:

- Approval of Change Order #2 with SL Louis Construction of Texas, LTD. for the re-installation of the tunnel at the intersection of FM 1339 and SH-123 in Guadalupe County to avoid an unmarked fiber optic cable bundle on the Authority's Phase 1B Segment D Project.

Proposal

Project Name ARWA1B Segment D		Proposal No.	Date 6/16/23		
Response Required By Alliance Regional Water Authority 630 E. Hopkins St. San Marcos, TX 78666		Transmitted By Brandon Meyer Project Manager Signature 			
Description of Change As stated in RFI 028, SJL uncovered a AT&T fiber optic conflict with the waterline alignment. As requested, SJL is submitting the cost for two different options to work around the utility conflict. OPTION 1: Involves AT&T crews relocating the fiber optic duct bank. AT&T expects this work to be completed by February 2024. This would result in SJL crews skipping the highway 123 tunnel and demobilizing from the project and remobilizing when the fiber relocation is complete. This would intern result in delaying the project testing and overall project acceptance. Option 1 includes the cost for the AT&T relocation and the SJL mobilization costs. SJL anticipates it taking 1.5 days to mobilize and 1.5 days to demobilize from the project. Please note the exact duration and time impacts of this option are unknown, as it depends primarily on AT&T. OPTION 2: Option 2 includes the cost per foot to remove and reinstall the 60" liner plate on a steeper grade to get over the top of the duct bank. (Sketch Attached) SJL subcontractor Sundance can perform this for the bid item cost minus the cost of the liner plate. Due to crew availability Sundance will need an answer by 10/6/23 EOB. After 10/6/23 all Sundance crews will be demobilized and beginning work in the Dallas area. This option would not affect the critical path of the project. Note: All materials and work not specifically described herein are excluded. Any labor or materials resulting from any other utility conflict during installation is not included in this proposal.					
Breakdown of Proposal					
Item	Description	Unit	Qty.	Unit \$	Total Cost
ADDITIONS					
NEW	Option 1: AT&T and SJL Demob/ Remob in February 2024 Additional Material, LEF, and Allowable Markup (Breakdown Attached)	Lump Sum	1.00	\$ 197,580.03	\$ 197,580.03
NEW	Option 2: Sundance (Need Answer by 10/6/23) SJL current bid price minus the cost of the liner plate	LF	127.00	\$ 1,225.00	\$ 155,575.00
Subtotal Additions (A)					N/A
DELETIONS					
					\$ -
Subtotal Deletions (B)					\$ -
REQUESTED ADDITIONAL CALENDAR DAYS					TBD
S.J. Louis Construction Action					
xc Les V. Whitman, S.J. Louis Construction of Texas, Ltd.					

OPTION #1: SUMMARY SHEET - LABOR, EQUIPMENT, MATERIALS

LABOR	RATE	HOURS WORKED															TOTAL	(A)	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		RATE TIMES	TOTAL HRS.
FIELD PERSONNEL																		0.0	\$ -
General Superintendent	\$ 75.00																0.0	\$ -	
Pipe Foreman	\$ 55.00	10.0	10.0	10.0													30.0	\$ 1,650.00	
Excavator Operator	\$ 30.00	10.0	10.0	10.0													30.0	\$ 900.00	
Excavator Operator	\$ 24.00	10.0	10.0	10.0													30.0	\$ 720.00	
Loader Operator	\$ 22.00	10.0	10.0	10.0													30.0	\$ 660.00	
Top Man	\$ 20.00	10.0	10.0	10.0													30.0	\$ 600.00	
Pipe Layer	\$ 20.00	10.0	10.0	10.0													30.0	\$ 600.00	
Laborer	\$ 17.00	10.0	10.0	10.0													30.0	\$ 510.00	
Laborer	\$ 17.00	10.0	10.0	10.0													30.0	\$ 510.00	
Laborer	\$ 17.00	10.0	10.0	10.0													30.0	\$ 510.00	
Laborer	\$ 17.00	10.0	10.0	10.0													30.0	\$ 510.00	
MANAGEMENT																		0.0	\$ -
Area Manager	\$ 95.00																0.0	\$ -	
Project Manager	\$ 65.00																0.0	\$ -	
Project Coordinator	\$ 55.00																0.0	\$ -	
Per Diem	Unit Cost	Unit	Description													QTY	Cost		
SJL Per Diem	\$ 900.00	/DAY	\$100 per man per day * 9 man crew = \$900													10.0	\$ 9,000.00		
																		\$ 16,170.00	

(B)		
LABOR BURDEN	LABOR BURDEN	TOTAL (A + B)
55.00%	\$ -	\$ -
55.00%	\$ 907.50	\$ 2,557.50
55.00%	\$ 495.00	\$ 1,395.00
55.00%	\$ 396.00	\$ 1,116.00
55.00%	\$ 363.00	\$ 1,023.00
55.00%	\$ 330.00	\$ 930.00
55.00%	\$ 330.00	\$ 930.00
55.00%	\$ 280.50	\$ 790.50
55.00%	\$ 280.50	\$ 790.50
55.00%	\$ 280.50	\$ 790.50
55.00%	\$ 280.50	\$ 790.50
0.00%	\$ -	\$ 9,000.00

CHANGE IN LABOR \$ 20,113.50
ALLOWABLE MARKUP (15%) \$ 3,017.03

EQUIPMENT	RATE	HOURS WORKED															TOTAL	(A)	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		RATE TIMES	TOTAL HRS.
Excavator: CAT 374 (Ownership ONLY)	\$ 269.92	10.0	10.0	10.0													30.0	\$ 8,097.60	
Excavator: CAT 352 (Ownership ONLY)	\$ 250.00	10.0	10.0	10.0													30.0	\$ 7,500.00	
Loader: CAT 966 (Ownership ONLY)	\$ 110.82	10.0	10.0	10.0													30.0	\$ 3,324.60	
Water Truck (Ownership ONLY)	\$ 17.42	10.0	10.0	10.0													30.0	\$ 522.60	
Pickup Truck (Ownership ONLY)	\$ 28.21	10.0	10.0	10.0													30.0	\$ 846.30	
Roller: CAT 433 (Ownership ONLY)	\$ 94.63	10.0	10.0	10.0													30.0	\$ 2,838.90	
Blower (Ownership ONLY)	\$ 10.52	10.0	10.0	10.0													30.0	\$ 315.60	
Tool Shack (Ownership ONLY)	\$ 56.16	10.0	10.0	10.0													30.0	\$ 1,684.80	
JSL Haul Truck Large Trailer	\$ 335.00	10.0	10.0	10.0													30.0	\$ 10,050.00	
SJL Haul Truck	\$ 200.00	10.0	10.0	10.0													30.0	\$ 6,000.00	
SJL Haul Truck	\$ 200.00	10.0	10.0	10.0													30.0	\$ 6,000.00	
																		\$ 47,180.40	

CHANGE IN EQUIPMENT \$ 47,180.40
ALLOWABLE MARKUP (15%) \$ 7,077.06

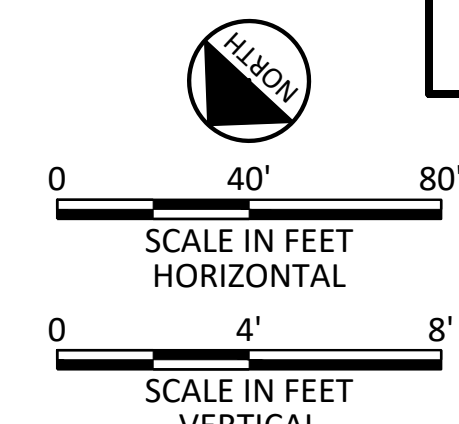
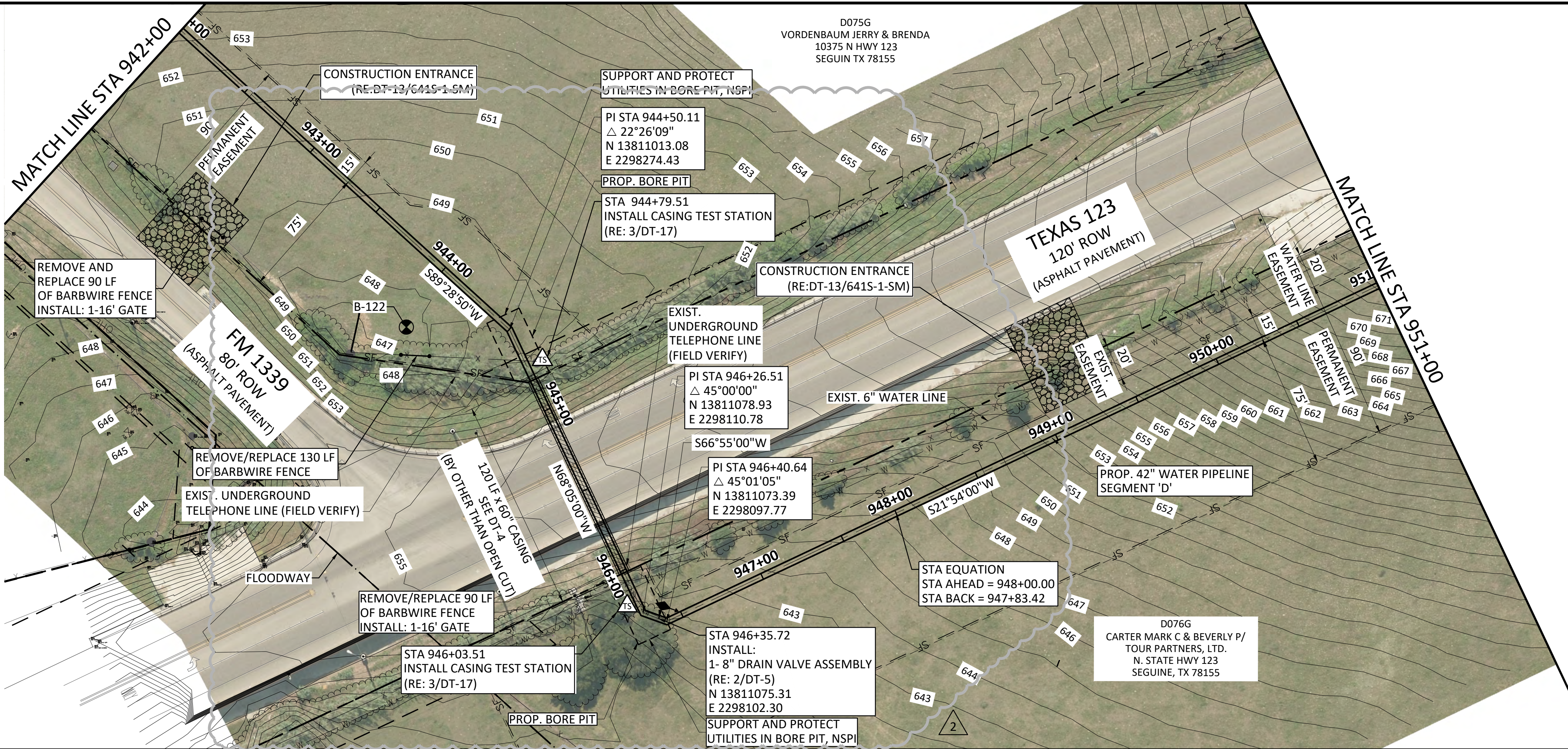
MATERIALS	UNIT COST	UNIT	DESCRIPTION	QTY	COST
NWP	\$ 790.00	EA	Butt Strap	2.0	\$ 1,580.00
				0.0	\$ -
				0.0	\$ -
				0.0	\$ -
				0.0	\$ -
					\$ 1,580.00

CHANGE IN MATERIAL \$ 1,580.00
ALLOWABLE MARKUP (15%) \$ 237.00

SUBCONTRACTORS	UNIT COST	UNIT	DESCRIPTION	QTY	COST
Scotts Welding	\$ 265.00	EA	Weld Additional Butt Strap	2.0	\$ 530.00
AT&T	\$108,518.50	LS	Relocate Fiber Optic	1.0	\$ 108,518.50
				0.0	\$ -
				0.0	\$ -
				0.0	\$ -
				0.0	\$ -
					\$ 109,048.50

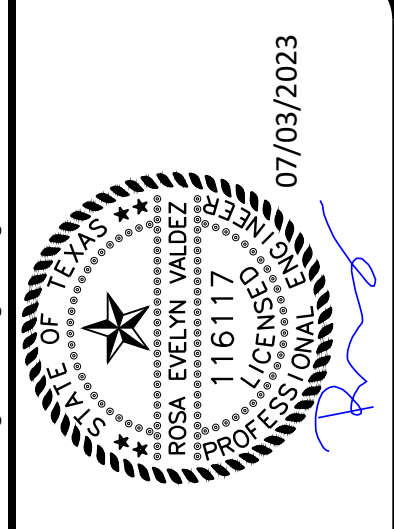
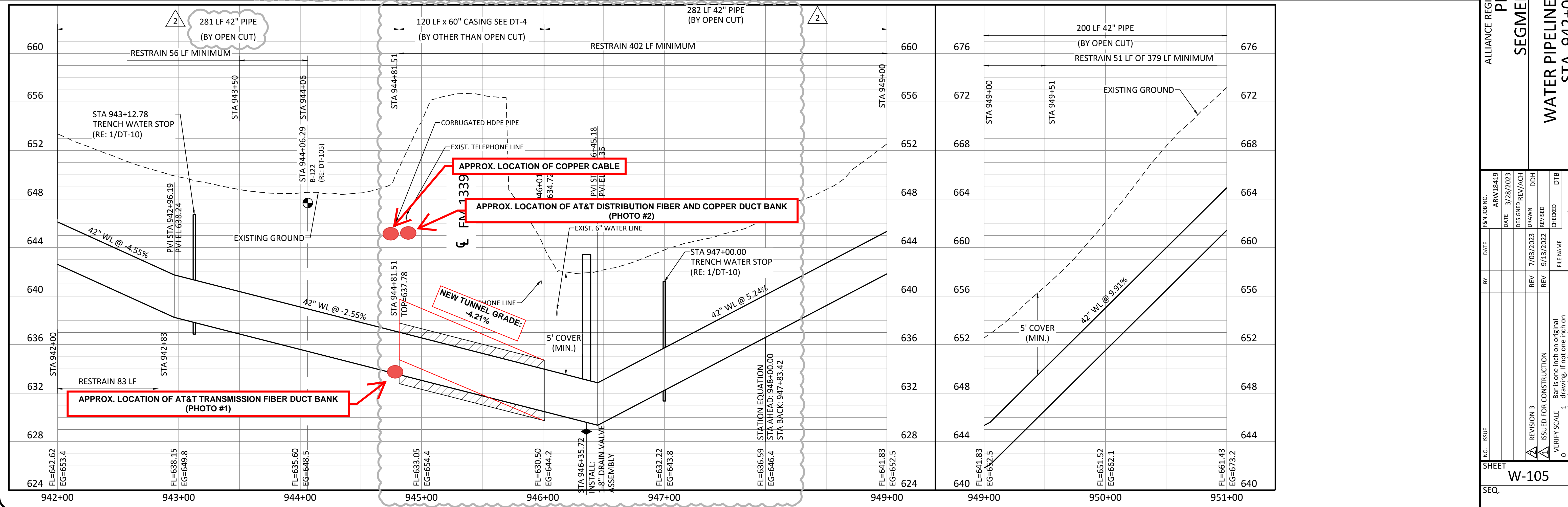
CHANGE IN SUBCONTRACTOR \$ 109,048.50
ALLOWABLE MARKUP (5%) \$ 5,452.43

SUBTOTAL \$ 193,705.91
 2% INSURANCE & BONDS \$ 3,874.12
TOTAL \$ 197,580.03



- NOTES:**
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR TO NOTIFY IMPACTED UTILITIES 48 HOURS PRIOR TO START OF CONSTRUCTION.
 - WHILE WORKING ALONG SH 123 ON PARCELS D076G AND D077G THERE IS POTENTIAL THAT GUADALUPE VALLEY ELECTRIC COOPERATIVE WILL BE WORKING IN THIS AREA AS WELL. CONTRACTOR SHALL COORDINATE WITH GUADALUPE VALLEY ELECTRIC COOPERATIVE WHEN WORKING IN THIS AREA. CONTACT MICHELLE SCARBOROUGH (361-564-0551).

CAUTION!!
 UNDERGROUND GAS LINES EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA AND MAY NOT BE INDICATED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.



FREES & NICHOLS
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ALLIANCE REGIONAL WATER AUTHORITY
PHASE 1B
SEGMENT D PIPELINE
 CIVIL
WATER PIPELINE 'D' PLAN AND PROFILE
STA. 942+00 TO STA. 951+00

NO.	ISSUE	BY	DATE	FRN JOB NO.	DATE	DESIGNED	REV/ACH	DRAWN	DDH	CHECKED	DTB
0	ISSUED FOR CONSTRUCTION			ARW18419	3/28/2023						
1	VERIFY SCALE										
2	REVISION 3										

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

FILE NAME: WTU-PP-WTR11.dwg

SHEET: **W-105**

SEQ.

PHOTO #1



**BOTTOM OF LINER PLATE
STA 944+81**

PHOTO #2

**DUCT BANK CONSISTING OF
CONDUITS PERPENDICULAR TO
WATERLINE AT STA 944+81**

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

- F.4** 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 10th. The GCUWCD has posted that a public hearing will occur to discuss rules changes to address statutory changes as a result of the recent legislative session. The draft proposed changes are generally in line with the statutes and therefore Staff is not preparing comments on the rule changes. The District has stated that it also intends to re-open the rules again in early 2024 to address other changes that may be requested by Board members and/or the public.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on October 17th.

Groundwater Management Area 13

No update.

Region L Planning Group

No update.

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 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

- 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 & Phase 1B Invoiced Paid

- Staff updated the tracking spreadsheet to the new fiscal year before the reports for September could be copied and inserted in the packet. The normal reports will resume at the November meeting.

Phase 1B Consultant Change Orders

- No changes were approved for consultant contracts.

Phase 1B Construction Change Orders

- Below are reports on the change orders to date for the Phase 1B construction contracts.

CONSTRUCTION CHANGE ORDER SUMMARY - SEPTEMBER 2023							
PROJECT	Original Contract Amount	TOTAL CHANGE ORDERS TO DATE	CURRENT CONTRACT AMOUNT	ARWA SHARE OF CHANGE ORDERS	Exec Director Max Authority	Exec Director Approved Change Orders to Date	Board and/or Tech Cmte Approved Change Order to Date
Water Treatment Plant & Raw Water Infrastructure	\$ 54,349,675.00	\$ 862,792.00	\$ 55,212,467.00	\$ 336,984.77	\$ 516,825.62	\$ 287,297.22	\$ 118,678.52
Booster Pump Station & Delivery Points Contract	\$ 19,759,331.00	\$ 365,035.49	\$ 20,124,366.49	\$ 260,835.21	\$ 247,184.87	\$ 117,016.35	\$ -
Segment A Pipeline	\$ 49,471,384.71	\$ (157,084.12)	\$ 49,314,300.59	\$ (40,293.43)	\$ 424,971.08	\$ (40,293.43)	\$ -
Segment B Pipeline	\$ 37,629,104.42	\$ 4,486,274.66	\$ 42,115,379.08	\$ 3,904,357.36	\$ 538,559.55	\$ 5,954.06	\$ 3,837,145.90
Segment D Pipeline	\$ 46,663,969.35	\$ 10,094.36	\$ 46,674,063.71	\$ 10,094.36	\$ 714,892.01	\$ 10,094.36	\$ -
Segment E Pipeline	\$ 27,277,770.46	\$ -	\$ 27,277,770.46	\$ -	\$ 444,033.44	\$ -	\$ -
South Inline EST	\$ 4,573,000.00	\$ -	\$ 4,573,000.00	\$ -	\$ 106,581.24	\$ -	\$ -

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

- 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 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

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 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

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*
-

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 11th, 2023 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 896 9982 2817; Code: 257788

J. ADJOURNMENT



PHASE 1B CONSTRUCTION UPDATE

October 4, 2023

Water Resources | Transportation | Land Development | Surveying | Environmental

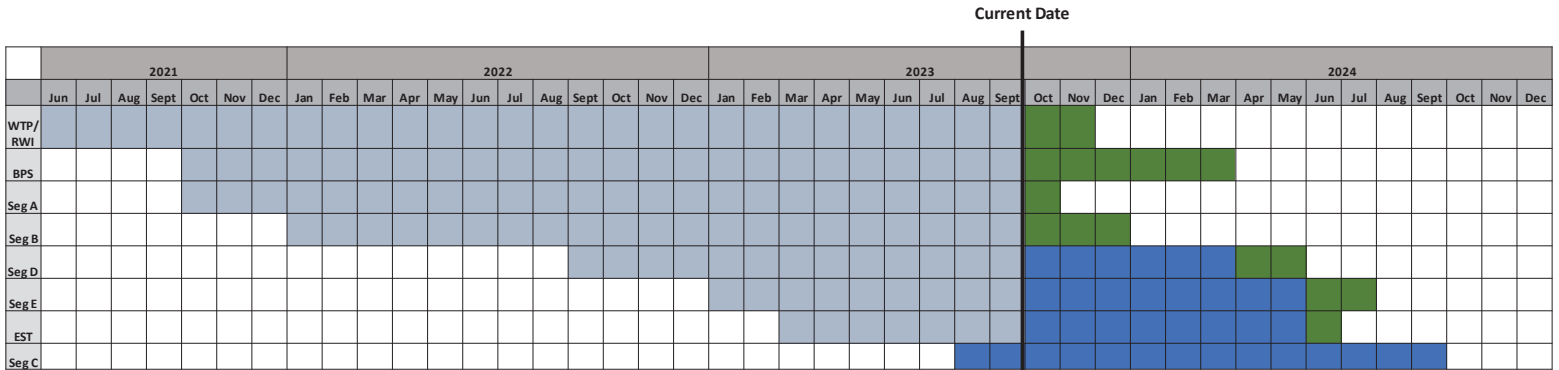


PROGRAM CONTRACT VALUES



PROJECT	ORIGINAL CONTRACT PRICE	APPROVED CONTRACT MODIFICATIONS	CURRENT CONTRACT VALUE	BILLED TO DATE	REMAINING	% COMPLETE
WTP/RWI	\$54,349,675.00	\$862,792.00	\$55,212,467.00	\$42,803,456.50	\$12,409,010.50	77.52%
BPS	\$19,759,331.00	\$365,035.49	\$20,124,366.49	\$15,672,877.03	\$4,451,489.46	77.88%
Seg A	\$49,471,384.71	(\$157,084.12)	\$49,314,300.59	\$45,617,977.58	\$3,696,323.01	92.50%
Seg B	\$37,629,104.42	\$4,486,274.66	\$42,115,379.08	\$40,139,782.28	\$1,975,596.80	95.31%
Seg D	\$46,663,969.35	\$10,094.36	\$46,674,063.71	\$30,219,315.56	\$16,454,748.15	64.75%
Seg E	\$27,277,770.46	\$0.00	\$27,277,770.46	\$2,805,585.00	\$24,472,185.46	10.29%
EST	\$4,573,000.00	\$0.00	\$4,573,000.00	\$3,444,499.25	\$1,128,500.75	75.32%

PROGRAM SCHEDULE DURATIONS



Project	Contract Dates					Program Sub Completion Status
	Notice to Proceed	Contract Sub Completion	Contract Final Completion	Expected Sub-Completion	Expected Final	
WTP/RWI	7/16/2021	9/3/2023	11/2/2023	2/9/2024	2/20/2024	Delayed
BPS	10/25/2021	3/18/2023	3/17/2024	12/4/2023	3/18/2024	Delayed
Seg A	11/16/2021	6/9/2023	10/7/2023	10/23/2023	11/10/2023	Delayed
Seg B	2/15/2022	9/23/2023	12/3/2023	10/20/2023	12/19/2023	Delayed
Seg D	9/19/2022	4/5/2024	6/4/2024	3/18/2024	4/26/2024	On Time
Seg E	1/25/2023	5/24/2024	7/23/2024	5/24/2024	7/23/2024	On Time
EST	3/28/2023	5/21/2024	6/20/2024	5/21/2024	6/20/2024	On Time

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

Construction Status

- Continued installation of electrical duct bank and underground conduit.
- Alterman roughed in conduit at the filter complex.
- Dobbs continued applying coating at HSPS, Well Sites and Filter Complex.
- Detention pond was graded and started construction of the overflow.
- Bladder tank was placed on pedestal and tied in.
- Placed surge tank on concrete pads.
- Started the entrance road subgrade preparation and limestone base installation.
- Began concrete paving placement.
- AWMA valve rep on site to discuss rotating valve operators
- Installed door frame at the Filter Complex.
- Filter Complex overhead door installation began and continues.
- Installing interior insulation, liner fabric and liner panels at the Filter Complex.
- Installation of the type C walls continued at the filter complex (top of CMU walls to the roof).
- Painting of the 4" sludge feed lines at the drying beds.
- Continued installation of the Lime Silo equipment appurtenances.



WTP – Drying Beds Installing 4’ Sludge Pipe

WTP/RWI - Progress Photos



WTP – Installing Conduits for Lighting Duct Bank South Side of Lime System



WTP – Duct Bank P3 Concrete Placement



WTP – Lighting Duct Bank South of Lime System Concrete Placement 5

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

Next Month - Projected Construction Activities

- Installation of electrical duct bank and underground conduit.
- Conduit installation at the Filter Complex.
- Coatings at HSPS, Well Sites and Filter Complex.
- Continue concrete paving placement.
- Door frame installation at the Filter Complex.
- Filter Complex overhead door installation.
- Interior insulation, liner fabric and liner panels at the Filter Complex.
- Installation of the type C walls continued at the filter complex (top of CMU walls to the roof).
- Install HVAC equipment and pads.
- Install raw water fiber innerduct (Segment A contractor).



WTP – Filter Complex Rough-in Conduits

Booster Pump Station (MWH / Freese and Nichols)

Construction Status

- Installed canopy roofing at CRWA#4.
- Completed BOV pad at CRWA#4.
- Prepared CRWA#4 piping for hydrostatic testing.
- Continued site grading at the BPS site.
- Set vertical turbine pumps at BPS.
- Replaced some mechanical joint restraints and re-worked joint fittings on Segment B1 and C piping in preparations of hydrostatic testing.
- Conduit and electrical panel installation at BPS slab.
- Electrical wire and cabling installation.
- Partial 3rd party testing (pre-energization) of electrical switchgear components (26 00 00 3.8B).
- Potholing of existing utilities at CRWA#3 delivery point.



BPS – Pump Installation

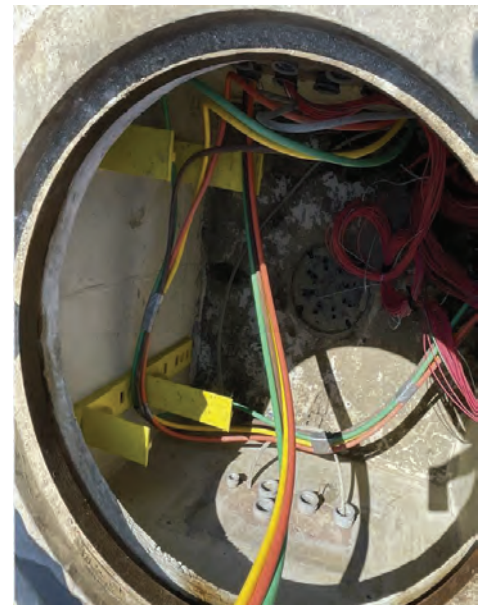
BPS- Progress Photos



BPS – Wire Pull for Pump Soft Starts



BPS - Wire Pull for Pump Soft Starts



BPS – Wire Pull to Electrical Manhole for Pump Station

Booster Pump Station (MWH / Freese and Nichols)

Next Month - Projected Construction Activities

- Continue working on the overall site grading
- Install 12" and 24" culverts
- Install entrance culverts
- Install perimeter fencing
- Hydrostatic pressure test Segment C
- Hydrostatic pressure test Segment B1
- Hydrostatic pressure test of CRWA#4 piping
- Pull wire at electrical building and to the pump station
- Continue 3rd party testing of switchgear and installed wiring at BPS



BPS – Seal Tight Install Inside Electrical Building

Segment A (Garney Construction / LAN)

Construction Status

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



Activity	Status
ROW Cleared	100%
Pipe Delivered	100%
Tunnels Completed	100% (15 of 15)
Pipe Installed	99.7%
Major Crossing (Plum Creek)	100%

Segment A – Progress Photos



Seg A – Melcar Place Backfill in Receiving Pit



Seg A – Backfill at Plum Creek Receiving Pit



Seg A – Garney Placing Pipe East of Plum Creek

11

Segment A (Garney Construction / LAN)

Next Month - Projected Construction Activities

- Major Crossing Completed 100% (1 of 1)
 - Finish vertical pipe in receiving shaft and finish backfilling receiving shaft in lifts with native material.
 - Finish tie-in of all pipe on east side of Plum Creek.
- Continue backfilling launch shaft and start laying pipe from the top bend of the launch shaft to the tie-in location on the west side of Plum Creek.
- Continue fixing deflected pipe moving West to East to facilitate filling Segment A in preparation of filling and hydrostatic testing.
- Continue cleaning the interior of pipe and continue internal pipe inspections
- Perform maintenance on county and private roads
- Continue haul-off excess native material, final grading of topsoil, and final build out of CAV assemblies.
- Continue installation of the tunnel liner plate under the Lehman high school baseball field on Segment C.
- Finish filling and hydrostatically testing 24" GBRA pipeline from Lockhart delivery point to ARWA pipeline.
- Begin filling and hydrostatically testing first test section of Segment A.



Seg A - Garney Places Backfill into Bore Pit

12

Segment B (Garney Construction / K Friese)

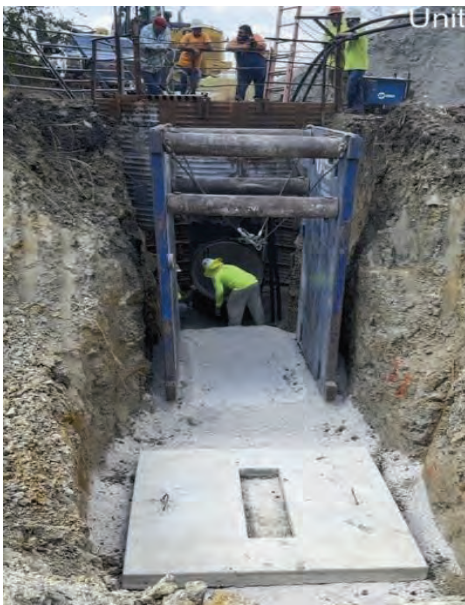
Construction Status

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



Activity	Status
ROW Cleared	100%
Pipe Delivered	100%
Tunnels Completed B1	100% (21 of 21)
Tunnels Completed B2	75% (3 of 4)
Pipe Installed	98%
Major Crossing (TX 130)	100%

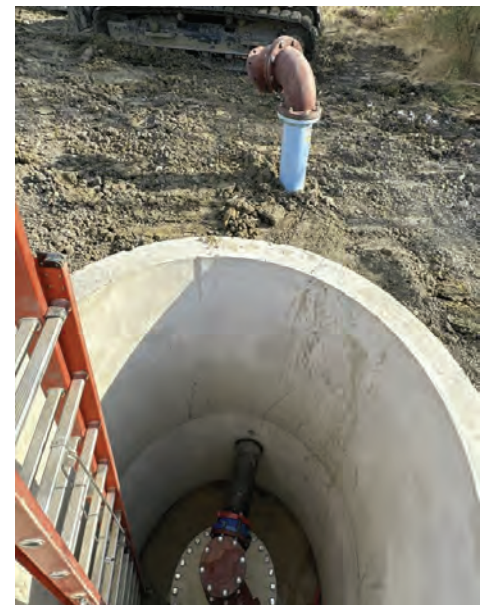
SEGMENT B - PROGRESS PHOTOS



Seg B – Installed Base for Gate Valve



Seg B – STA 535 + 71 Installing Drain Valve



Seg B – STA 535+71 Drain Valve Complete

Segment B (Garney Construction / K Friese)

Next Month - Projected Construction Activities

- Pipe Installation
 - Continue installation of pipe on B1.
 - Hauling off excess spoils from project site and spreading topsoil.
 - Continue pouring concrete anchors for precast at CAV and Drain Valves.
 - Setting precast structures for appurtenances behind laying operation.
- Major Crossings
 - Complete
- Tunnels
 - 21 of 21 (100%) on original B1/B2 scope of work.
 - 3 of 4 (75%) completed on CP002 scope of work added to Segment B contract
 - Final tunnel under SH-142 projected to start 10/03/2023
- Conduct bi-weekly.



Segment B – Installing Gate Valve

Segment D (SJ Louis / Freese & Nichols)

Construction Status

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



Activity	Status
ROW Cleared	90%
Pipe Delivered	75%
Tunnels Completed	100% (18 of 18)
Pipe Installed	60%
Major Crossing (San Marcos River Crossing)	Secant pile launch shaft complete

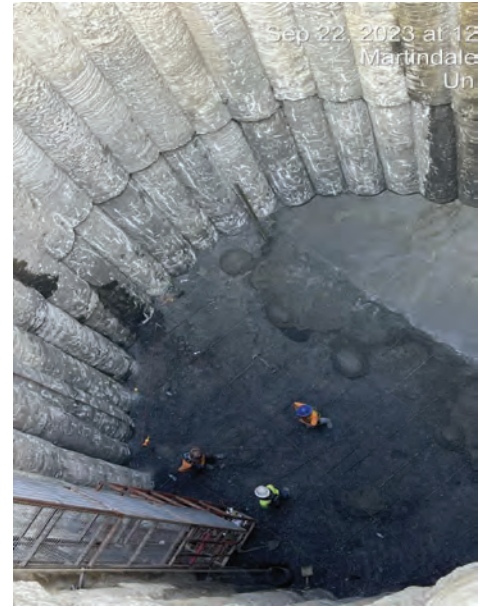
Segment D – Progress Photos



Seg D – Launch Shaft Excavation



Seg D – Launch Shaft Excavation



Seg D – Pouring Temporary Pad for Micro Tunnel Equipment 17

Segment D (SJ Louis / Freese & Nichols)

Next Month - Projected Construction Activities

- Processing documentation in SharePoint.
- Installation of temporary fence gaps for access and cattle fencing along easements.
- SWPPP installation will continue along FM 1339 and SH 123.
- Continue pipe deliveries along FM 1339.
- Conduct bi-weekly progress meeting
- Continue pipe installation with pipe crew 1 along FM 1339
- Tunnels
 - 18 of 18 (100%)
- Major Crossings
 - 0 of 1 (0%) San Marcos River Crossing
 - Finish secant piles on receiving shaft on the south side of the San Marcos River.
 - Start digging out the native material on the launch shaft on the south side of the San Marcos River



Seg D – Proctor Samples 18

Segment E (Garney / Walker Partners)

Construction Activities

- Process documentation: Submittals and RFI in SharePoint.
- Coordination continues with developments along 758 and 46.
- Conducted bi-weekly progress meeting on 9/19/23.
- Garney continued surveying layout.
- Performing potholing operations on existing utilities.
- Finished stripping topsoil.
- Mendez finished auger bore tunnel installation under FM 758 and started tunnel installation at Huber Road.

Construction Status

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

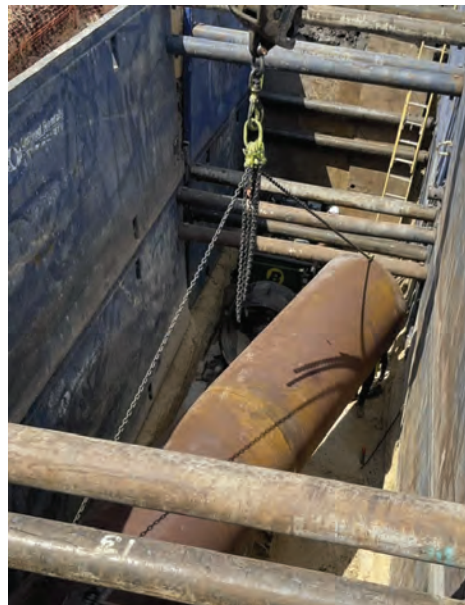


Activity	Status
ROW Cleared	100%
Pipe Delivered	2%
Tunnels Completed	40%(4 of 10)
Pipe Installed	0%
Major Crossing (Lake Dunlap)	0%

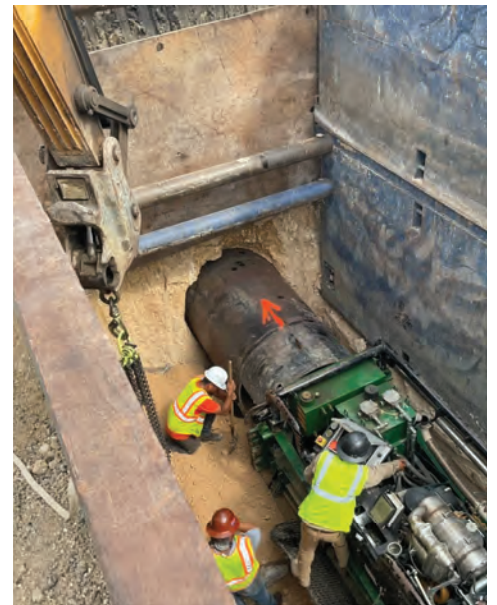
Segment E – Progress Photos



Seg E – Lowering Section of Drill Bit



Seg E – Lowering Casing



Seg E – Boring for Second Casing

Segment E (Garney / Walker Partners)

Next Month - Projected Activities

- Processing documentation in SharePoint.
- Conduct bi-weekly progress meetings.
- Continue potholing existing utilities.
- Finish topsoil stripping operations in preparation of embedment deliveries.
- Start pipe deliveries and mobilization of pipe installation crew to the start of Segment E near SH 123 and FM 758.
- Schedule pipe proof with embedment material with OPT.
- Start pipe installation at start of Segment E.
- Tunnels
 - 3 of 10 (30% Completed).
 - Finish Huber Road tunnel and start Barbarosa Road tunnel.
- Major Crossings
 - Lake Dunlap crossing has not started.



Seg E – Dumping Spoils from Bore 21

Elevated Storage Tanks Landmark / Plummer

Construction Activities

- Continue strip out of the pedestal and demobilize the pedestal crew.
- Start receiving Steel and crews for building the tank.
- Conducted Monthly Progress Meeting

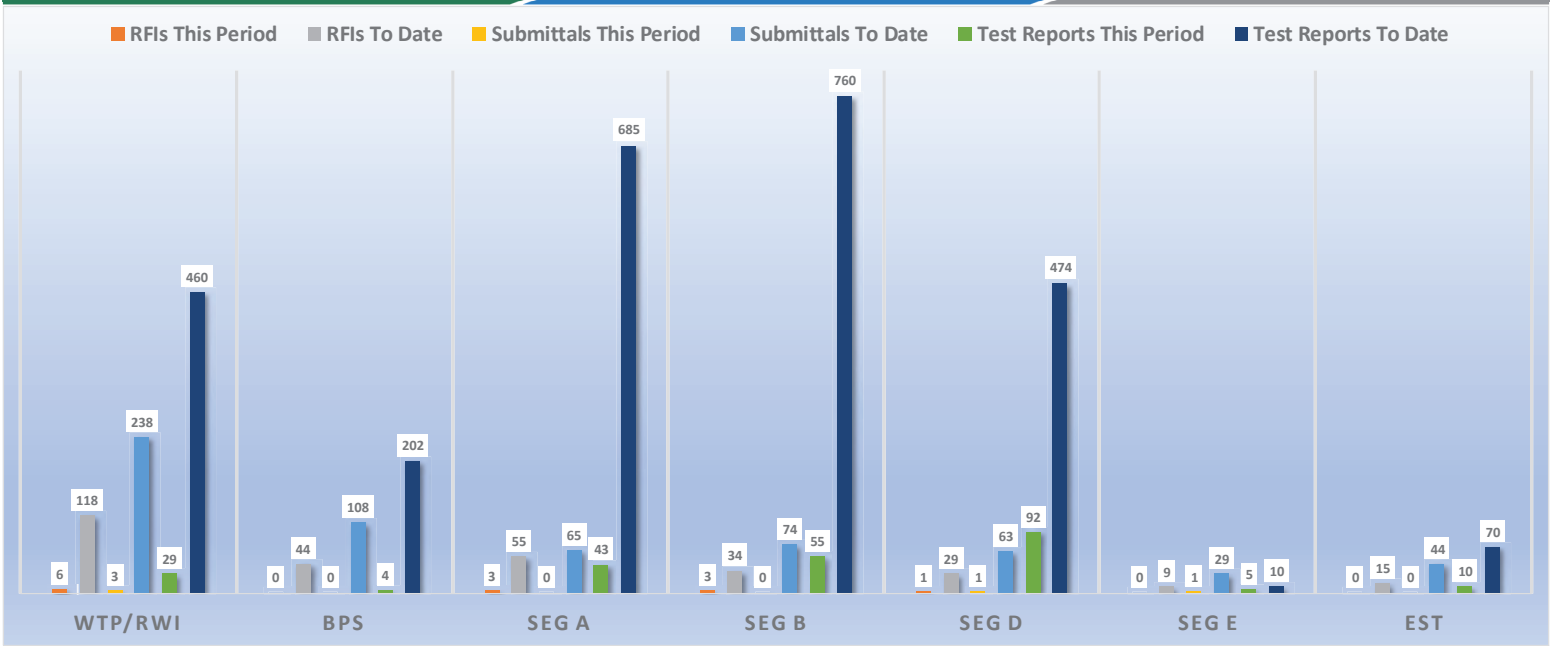
Next Month - Projected Activities

- Start Receiving materials for the steel tank and mobilizing crews for installation.
- Start Construction of the water tower tank.
- Finish site grading and backfill for waterline / drainage easement, will wait to seed until later in year



EST – Finished Top Portion of EST

PROGRAM OVERSIGHT RECAP



QUESTIONS?