

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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, July 13th, 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, July 13, 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 July 13, 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 June 8, 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 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, 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 recommendation to the Board to approve Amendment #5 to Work Order #5 with BGE, Inc. for additional design services related to the Phase 1B Segment C project. ~ *Graham Moore, P.E., Executive Director*
- F.4 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Water Quality and Corrosion Report. ~ *Marisa Vergara, P.E., CP&Y, Inc.*
- F.5 Discussion and possible direction to Staff regarding the request by the Guadalupe-Blanco River Authority to expand the capacity of the ARWA Water Treatment Plant. ~ *Graham Moore, P.E., Executive Director*
- F.6 Update, discussion and possible direction to Staff regarding the request from Buda to reduce their shared water volume. ~ *Graham Moore, P.E., Executive Director*
- F.7 Discussion and possible recommendation to the Board to recommend approval of the proposed Authority budget for FY 2022-23; and possible direction to staff. ~ *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.
- I. EXECUTIVE SESSION

REGULAR MEETING
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- 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

James Earp

Paul Kite

Humberto Ramos

Tim Samford

Regina Franke

<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 June 8, 2022. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2022 06 08 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



ALLIANCE WATER

Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, June 8, 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, June 8, 2022 by telephonic conference call.

A. CALL TO ORDER.

The Alliance Water Technical Committee Meeting was called to order at 3:00 p.m. by Mr. Earp.

B. ROLL CALL.

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

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held May 11, 2022.

- **Motion to adopt the minutes with an amendment to note that Mr. Earp called the meeting to order, not Mr. Samford, was made by Mr. Ramos, seconded by Mr. Neffendorf 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. Noe Pape-Dawson provided an update on the Phase 1B construction.**
 - **No Action.**
- F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Sowa provided an update on the Phase 1B program.**
 - **No Action.**
- F.3 Discussion of the draft Authority budget for FY 2022-23; and possible direction to staff.
- **Mr. Moore presented the draft budget.**
 - **Mr. Neffendorf inquired as to the amounts allocated on a couple of line items. Mr. Moore responded with the reasons the amounts were included.**
 - **No Action.**
- F.4 Update and possible direction to Staff regarding the Authority's infrastructure during the February 2022 winter freeze.
- **Item was not opened because Mr. Samford was not in attendance. Mr. Earp requested that Staff get with Mr. Samford directly to discuss any questions.**
 - **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 on the following matters:
 - A. Water supply partnership options
 - B. Groundwater leases
 - C. Acquisition of real property for water supply project purposes
 - **No Executive Session.**

- 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 3:35 p.m. by Mr. Earp.**

APPROVED: _____, 2022

REGULAR MEETING
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- F.1** 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 – July 13, 2022

Technical Committee Decisions Needed:

- None.



PHASE 1B CONSTRUCTION UPDATE

TECHNICAL COMMITTEE MEETING

CMI Progress

July 13, 2022

Water Resources | Transportation | Land Development | Surveying | Environmental



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



Construction Status

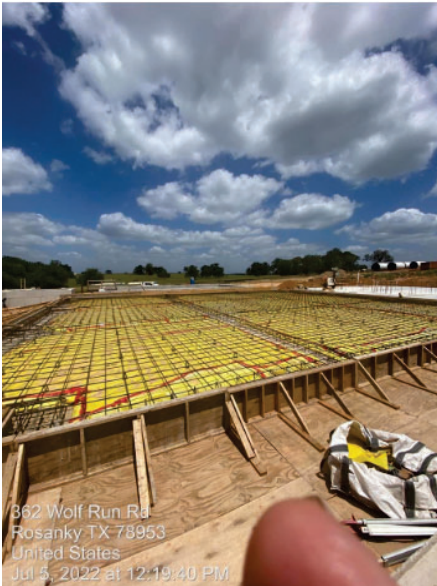
- Completed concrete work on the Plate Settler Basin.
- Completed 90% of the backfill around the Flow EQ Basin, Plate Settler Basin and the Recycle Pump Station
- Continued concrete formwork and concrete placement for the Filter Complex
- Continued the installation of the raw waterlines for sections WL-C and WL-A
- Prepared excavation and subgrade for mechanical pads at the well sites
- Installed the electrical duct banks at well sites 7, 8 and 9.
- Completed excavation for the backwash pump cans, placed the concrete footings, plumbing and grouting, and started the concrete encasement
- Continued construction of the Clearwell and Raw Water tanks



362 Wolf Run Rd
Rosanky TX 78953
United States
Jun 23, 2022 at 9:11:21 AM

Plate Settler Basin Outlet Box

WTP/RWI - PROGRESS PHOTOS



WTP – West Filter Room Prior to Concrete Placement



WTP– Maintenance Room Slab of Filter Complex



WTP – Drain Line Installation at Rapid Mix Basin

3

WTP/RWI - PROGRESS PHOTOS



WTP – Raw Waterline WL-C



WTP– Raw Waterline WL-A



WTP – High Service Pump Cans

4

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

Next Month - Projected Construction Activities

- Continue concrete placements at the Filter Complex
- Continue construction of the Rapid Mix Basin
- Continue installation of WL-A to the Raw Water tanks
- Coat Raw Water tanks and complete appurtenances installation
- Complete shotcrete and install appurtenances at the Clearwell
- Complete concrete encasement of the backwash pump cans and backfill
- Install the plant water pump cans



362 Wolf Run Rd
Rosanky, TX 78953
United States
Jun 29, 2022 at 10:30:32 AM

Raw Water Tank Dome and Vent

Booster Pump Station (MWH / Friese and Nichols)

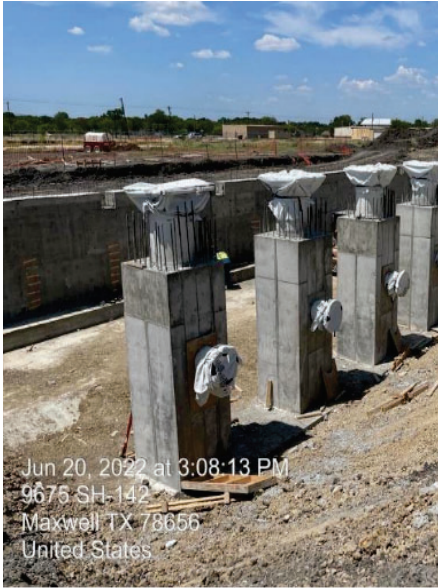
Construction Status

- Installed reinforcing steel and concrete encasement for the HSPS Pump Cans
- Installation of the Segment B 36" DIP began at STA 0+00
- Preload completed the pre-cast wall panels, as well as the foundation slab for the GST
- Preload began the installation of the interior shoring for the cast-in-place roof dome
- Completed the excavation and backfill of the electrical building and generator pad
- Alterman began the installation of the electrical duct banks in the generator pad to the electrical building



GST Wall Panel Erection

BPS - PROGRESS PHOTOS



BPS – Pump Can Concrete Encasement



BPS – GST Foundation Slab



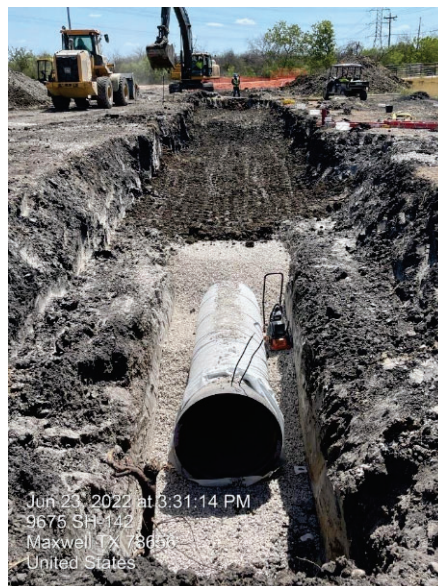
BPS – Installation of 36" DIP Seg B at STA 4+50

7

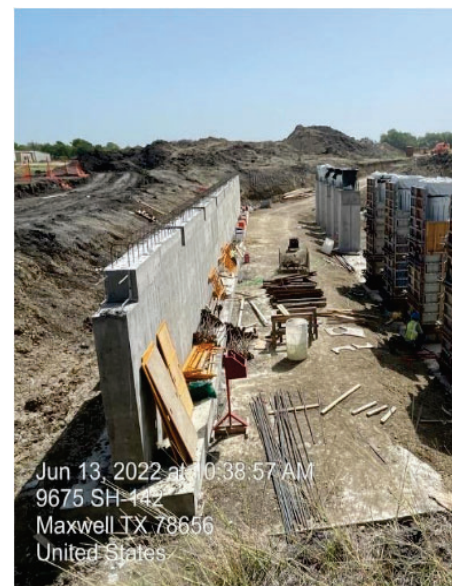
BPS - PROGRESS PHOTOS



BPS – GST Wall Panel Erection



BPS – Installation of 36" DIP Seg B at STA 2+60



BPS – Pump Station and Pump Cans

8

Booster Pump Station (MWH / Friese and Nichols)

Next Month - Projected Construction Activities

- Continue generator pad backfill
- Place electrical building footing forms
- Continue electrical underground
- Continue backfill of the pump station
- Continue 36" DIP segment B installation
- Continue GST roof dome shoring and place roof dome concrete
- Begin shotcrete and wire winding of GST

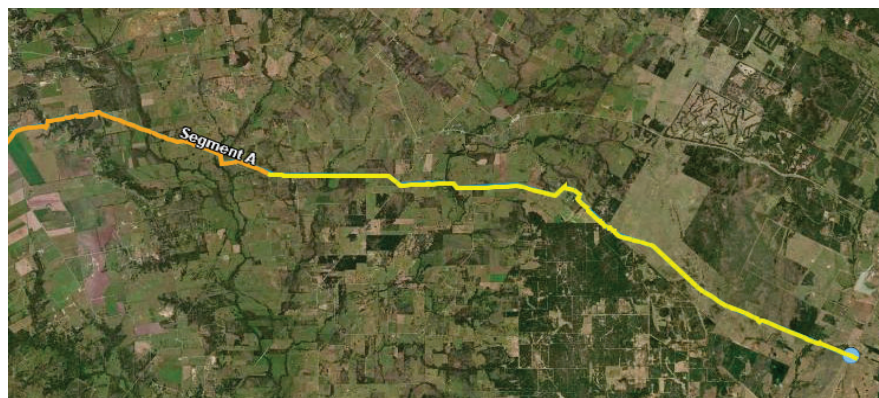


GST Roof Dome Shoring Erection

Segment A (Garney Construction / LAN)

Construction Status

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



Activity	Status
ROW Cleared	100%
Pipe Delivered	69%
Minor Tunnels Completed	32% (5 of 16)
Pipe Installed	0%
Major Crossing (Plum Creek)	Receiving pit under construction

SEGMENT A - PROGRESS PHOTOS



Seg A – Placing Case Spacers on Bore No. 1



Seg A – Bore No. 5



Seg A – Plum Creek Receiving Pit

Segment A (Garney Construction / LAN)

Next Month - Projected Construction Activities

- Tunnels
 - Install 4 tunnels to bring total to 9 of 16 (57%)
- Major Crossings
 - Finish Plum Creek receiving shaft
 - Begin Plum Creek launch shaft
- Pipe Installation
 - Begin installation of mainline pipe starting at CR-304 going east

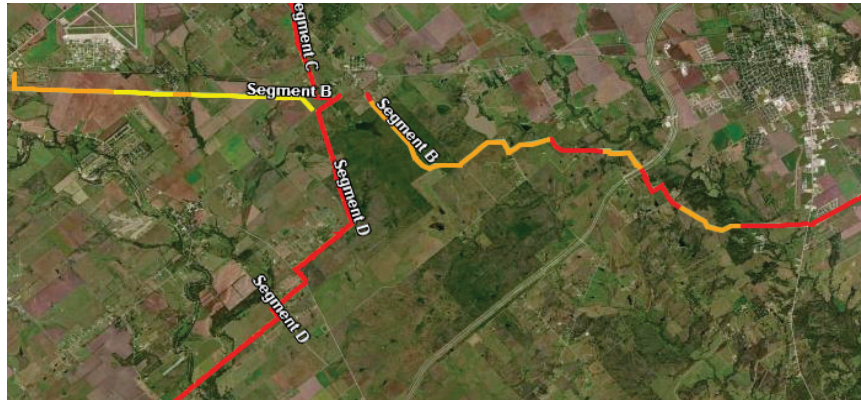


Seg A – Mixing Gel at Bore No. 2

Segment B (Garney Construction / K Friese)

Construction Status

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



Activity	Status
ROW Cleared	71%
Pipe Delivered	20%
Minor Tunnels Completed	17% (3 of 18)
Pipe Installed	0%
Major Crossing (TX 130)	Submittal process underway

SEGMENT B - PROGRESS PHOTOS



Seg B2 – BORECO Tunnel at CR 173



Seg B – Casing Placement at FM 110

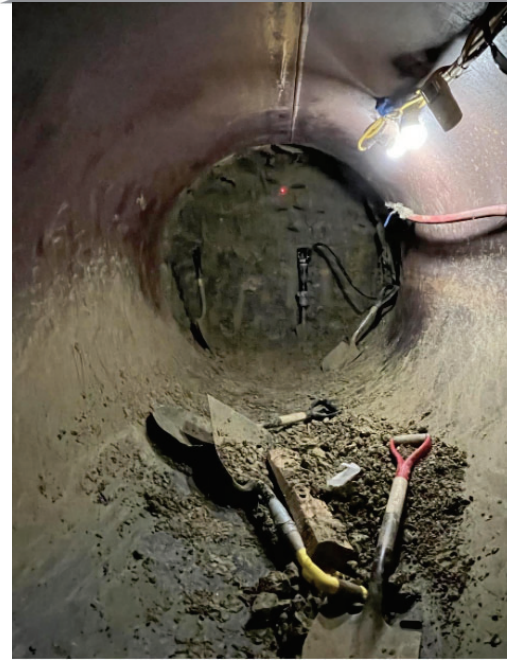


Seg B – Inside Casing FM 1984

Segment B (Garney Construction / K Friese)

Next Month - Projected Construction Activities

- Tunnels
 - Install 4 tunnels to bring total to 7 of 18 (39%)
- Major Crossings
 - TX-130 Pre-construction meeting
- Pipe Installation
 - Complete delivery of B2 pipe
 - Mobilize pipeline crew and conduct pipe prove out



Seg B – Hand Tunneling at Church St. Bore #2

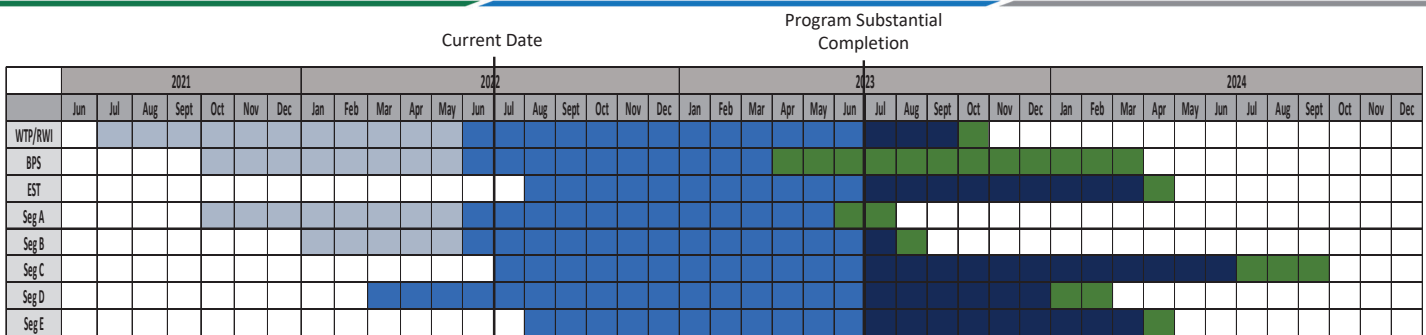
PROGRAM OVERSIGHT RECAP

Project	RFIs		Submittals		Test Reports	
	This Period	To Date	This Period	To Date	This Period	To Date
WTP/RWI	3	52	0	179	37	274
BPS	4	29	6	73	37	148
Seg A	4	26	5	36	0	11
Seg B	4	6	12	36	19	19

PROGRAM CONTRACT VALUES

PROJECT	CURRENT CONTRACT VALUE	BILLED TO DATE	REMAINING	% COMPLETE
WTP/RWI	\$ 54,787,322.00	\$13,989,937.97	\$40,797,384.03	25.53%
BPS	\$19,706,258.71	\$4,109,436.81	\$15,596,821.90	20.85%
EST	\$0.00	\$0.00	\$0.00	0.00%
Seg A	\$49,471,384.71	\$2,195,631.27	\$47,275,753.44	4.44%
Seg B	\$37,629,104.42	\$0.00	\$37,629,104.42	0.00%
Seg D	\$0.00	\$0.00	\$0.00	0.00%
Seg C	\$0.00	\$0.00	\$0.00	0.00%
Seg E	\$0.00	\$0.00	\$0.00	0.00%

PROGRAM SCHEDULE DURATIONS



Project	Contract Dates				Program Sub Completion Status (June 2023)
	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		3/18/2024	On Time
Seg A	11/16/2021	6/9/2023		10/7/2023	On Time
Seg B	2/15/2022	8/9/2023		10/8/2023	Behind 5 wks

QUESTIONS?

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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 – July 13, 2022
- Kimley-Horn Monthly Summary of Activities for June 2022

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
July 13, 2022



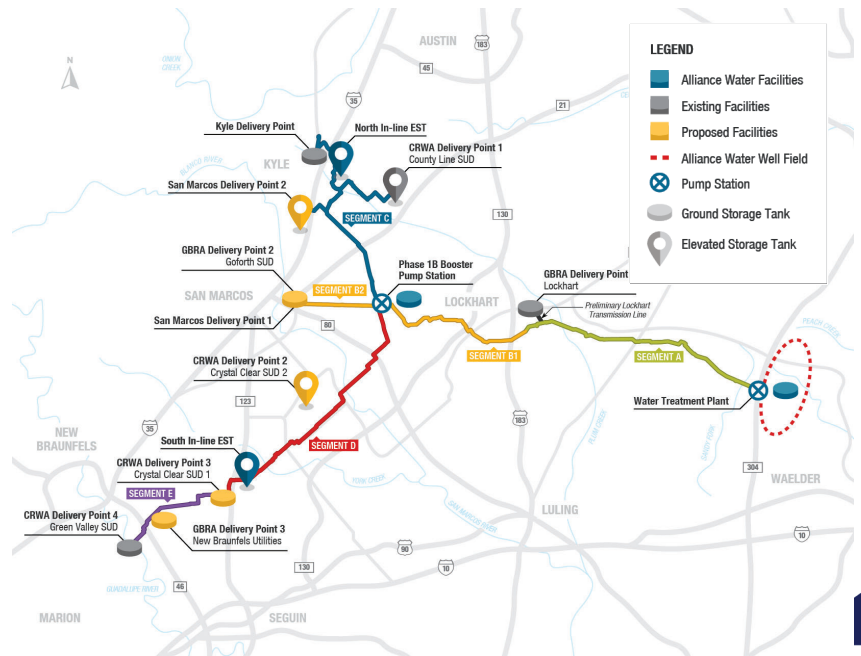
ALLIANCE WATER

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

Ongoing Progress

► Design Milestone Status

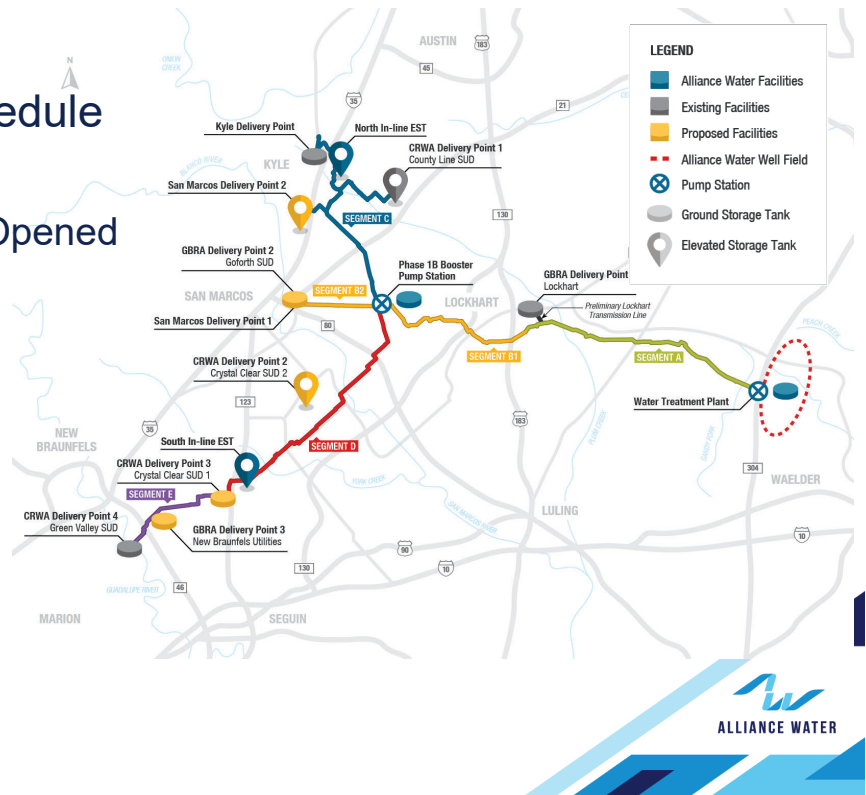
- Design Submittals
 - Segment E – 100% submittals anticipated in July
 - Segment C – 100% submittals anticipated in September
- TWDB Reviews
 - WTP
 - Change Order No. 1 and 2 Release of Funds Under Review
 - Segment D
 - Engineering Feasibility Report Under Review
 - Segment E
 - Environmental Data Report Under Review
 - Engineering Feasibility Report Under Review



Ongoing Progress

► Segment D Procurement Schedule

- June 14th – Advertisement
- July 19th – Proposals Received/Opened
- August – Contract Award
- September – 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	6	6	51
C	78	9	6	9	24	28	52	26
E	38	3	5	4	12	14	26	12
Well Field	17	0	0	3	3	0	3	14
Total	281						87	194



COST UPDATES BASED ON JUNE 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
60	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
100	Pipeline Segment D	\$ 36,300,000	\$ 43,700,000	\$ 7,400,000
90	Pipeline Segment E	\$ 9,500,000	\$ 10,900,000	\$ 1,400,000
	Subtotal	\$141,000,000	\$164,300,000	\$ 23,300,000
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	\$274,900,000	\$34,500,000

JULY 2022 UPDATE

**NO CHANGE FROM
JUNE UPDATE**



Schedule Update

Schedule Update – Pipeline Critical Path



Segment C

- *Alignment Confirmation* – mostly complete with only a couple of remaining parcels under evaluation.
- *Environmental Completion* – final field work underway.

Segment D

- *TWDB Review* – EDF approved. EFR substantially reviewed and being routed for approval. Project procurement underway.

Segment E

- *TWDB Review* – EDF and EFR under review.



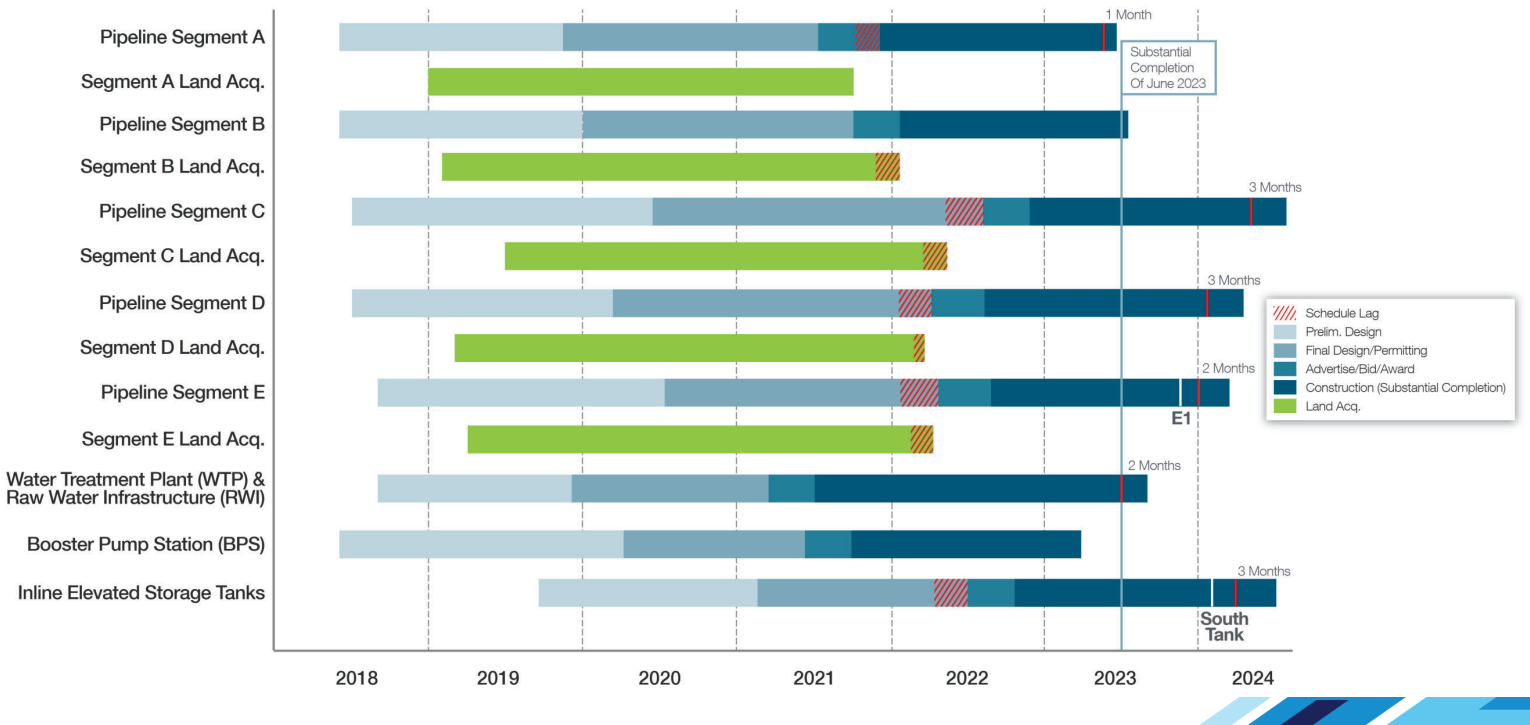
Schedule Update

Other Developments Since Last Update

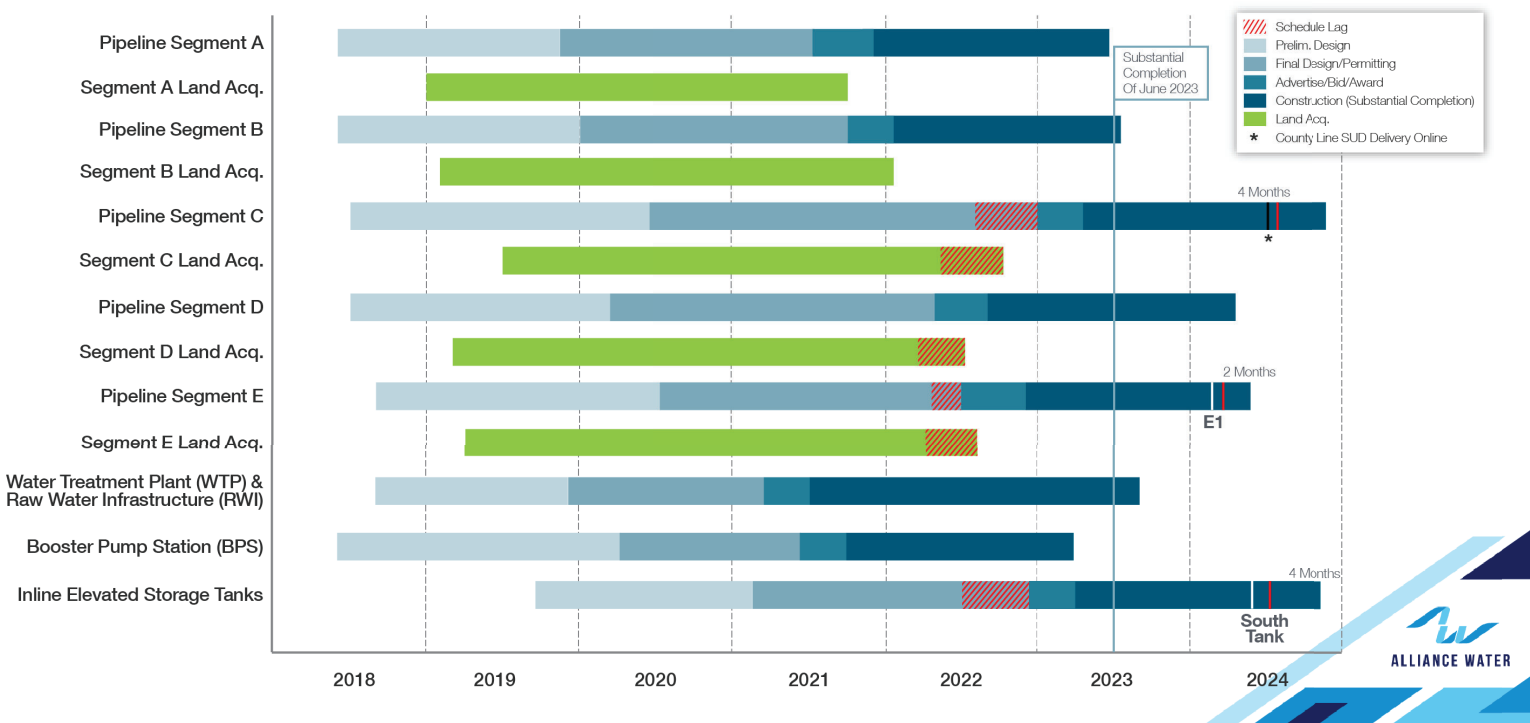
- Pipeline Design
 - Segment E – confirming proposed development plan conflicts and timing of construction
- Easement Acquisition (Pipelines)
 - Commissioners Hearing Scheduling
 - Caldwell County – nearly complete
 - Guadalupe County
 - Segment D – mostly complete
 - Segment E – ongoing
 - Hays County – ongoing



Schedule Update – February 2022



Schedule Update – July 2022



Schedule Update

Transmission Pipelines – Segment C

- **Net Delay of 4 Months**
 - Substantial Completion – 12/04/24
- Key Risks
 - Alignment Confirmation – landowner realignment requests
 - USACE – Waters of the US
- Mitigation
 - Intermediate schedule milestones for key delivery points (County Line SUD)
 - Further consideration of construction schedule reduction
 - Continual landowner coordination

Transmission Pipelines – Segment D

- **No Significant Change**
 - Substantial Completion – 03/28/24
 - Procurement Underway
- Key Risks
 - Land acquisition – scheduling of hearings



Schedule Update

Transmission Pipelines – Segment E

- **Delay of 2 Months**
 - Substantial Completion (Segment E1) – 02/29/24
 - Substantial Completion (Segment E2) – 05/02/24
- Current Key Risks:
 - Environmental – relocation of remains
 - TWDB review durations
 - Land acquisition – land sales/subdividing, scheduling of hearings
- Mitigation
 - Continual landowner coordination

Inline Elevated Storage Tanks

- **Total Adjustment of 4 Months**
 - Substantial Completion (South Tank) – 03/18/24
 - Substantial Completion (North Tank) – 12/18/24
 - Separation of North and South Tank into different construction contracts
- Current Key Risks:
 - Environmental – North Tank included in Segment C environmental process





Questions?

July 6, 2022

Project Monthly Summary

June 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 Board Meeting Update.
 - Prepared and presented the Project Advisory Committee 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
 - Integrated each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.

- Task 6 – Data Management
 - Retired the old GIS WebMap application.
 - 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 Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
 - Continued coordination with the Program Environmental Consultant fieldwork for Segments C.
 - Continued coordination with Program Environmental Consultant regarding the burial relocation proceedings.
 - Coordinated with Program Environmental Consultant to submit the Segment E EDF to the TWDB.
 - Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry 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.
- Reviewed Program Environmental invoices, schedule, and risk log.

- Task 8 – Land Acquisition Management
 - 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 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
 - Updated and released the revised Construction Standards to the Design Consultants given a question from construction activities.

- 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 procurement 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

- Continued coordination with Design Consultant for final design and preparation for procurement.
 - Attended Segment D Preproposal Meeting.
 - Segment E
 - 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:
 - Continued coordination with Design Consultant for final design development.
 - Began review of 90% Design submittal prepared by the Design Consultant.
 - 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 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.
 - Task 15 – Procurement and Construction Phase Services
 - Coordinated with Segment D to prepare for procurement.
 - Continued coordination with the Construction Management & Inspection team.

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

- Continued coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.
- Task 18 – Environmental Construction Services
 - Continued efforts to complete Migratory Bird nest surveys and associated memos for reporting.
 - Prepared and submitted USACE permit for the blown bore on Sandy Creek.
 - Attended construction status meetings.

July 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
 - 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
 - Prepare and present the Program Schedule Update for the Technical Committee and PAC meetings.
 - 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
 - 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

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

- Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
- Continued coordination with the Program Environmental Consultant regarding outstanding fieldwork for Segment C.
- Perform coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
- 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, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Perform weekly QC of parcel files in SharePoint, provide 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.
 - Review Program Land Acquisition team, 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 TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review as well as preparation of funding release requests.

- 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
 - Continue coordination with Design Consultant for final design.

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

- Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
 - Segment D
 - Continue coordination with Design Consultant during project procurement.
 - Attend Segment D Bid Opening.
 - Segment E
 - Begin review of Segment E 100% Design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant for final design.
 - 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:
 - Coordination with Design Consultant for construction phase services.
 - Inline Elevated Storage Tanks:
 - Coordination with Design Consultant for final design development.
 - Review 90% Design submittal prepared by the Design Consultant.
 - 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.
 - Continue General Coordination with GVEC, BBEC, and LCRA.
 - On-going Permit Tracking Log Updates.
 - Task 15 – Procurement and Construction Phase Services
 - Continued coordinated with Segment D Design Consultant during the procurement phase.

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

- On-going coordination with the Construction Management & Inspection team.
- On-going coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.

- 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 efforts to complete Migratory Bird nest surveys and associated memos for reporting.
 - 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, July 13th, 2022 at 3:00 P.M.

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

- F.3** Discussion and possible recommendation to the Board to approve Amendment #5 to Work Order #5 with BGE, Inc. for additional design services related to the Phase 1B Segment C project. ~ *Graham Moore, P.E., Executive Director*
-

Background/Information

The Authority entered into Work Order #5 with BGE, Inc. for Final Design of the Phase 1B Segment C project in April 2020 in the amount of \$2,688,310. As a result of coordination with landowners that are in various stages of developing their property, BGE is requesting an amendment adding \$322,285 to the total authorization. The amendment consists of the following:

- Redesign of 10.6 miles of waterline plan sheets from changes to more than 17 parcels – fee of \$225,060.
- Additional survey in six areas to account for realignments – fee of \$68,200.
- Additional Subsurface Utility Engineering (SUE) in six areas to account for realignments – fee of \$29,025.

Below are some of the key facts regarding the proposal:

Firm:	BGE, Inc.
Project:	Segment C
Fee:	\$322,285
Work Order Type:	Lump Sum
Duration:	Thru 12/2022
Project Manager:	Ted Schneider

Attachment(s)

- ARWA Segment C Proposal dated July 7, 2022

Technical Committee Decisions Needed:

- Possible recommendation to the Board to approve Amendment #5 to Work Order #4 for additional design services related to the Phase 1B Segment C project.



July 7, 2022

Mr. James Bryan, P.E.
1BSC Project Manager
601 NW Loop 410 Suite 350
San Antonio, TX 78216

Re: Alliance Regional Water Authority Pipeline Segment C
Final Design Phase Amendment Request 1 – Additional Design Services for Pipeline Alignment Revisions.

BGE, Inc. (BGE) is herein requesting an amendment to the original contract 'Final Engineering Design & Procurement Services for the Phase 1B Segment C Treated Pipeline project', commenced on 04/24/2020, for additional services item be approved that will allow the completion of final design of Segment C Treated Water Pipeline project.

Amendment Services Item 18.1. Pipeline Alignment Evaluations and Revisions.

Redesign of 55,900 LF (10.6 miles) of waterline plan sheets after the 90% design submittal due to development, landowner, City, utility company and UPRR negotiations. This effort was unforeseen under the original scope due to the significant development occurring in Segment C over the past 2 years. We are requesting \$225,060 of this budget be approved as an amendment service. We anticipate an additional submittal (95% Design Package) to present the revised alignment and design in the eighteen locations described below. See **Attachment 2** for detailed hourly breakdown.

Summary of evaluations and recisions:

- 1 - C004C – Reroute from Landowner request - Permanent Easement (PE) Relocation – 3,940 LF
- 2 - C022H/C023H/C024H/C025H/C026H – Tack Development – Profile evaluation for new development over pipeline, casing design at 3 location – 298 LF
- 3 - C028H/C027H – Realign around new 300' x 300' Enterprise facility easement - PE Relocation – 1,255LF
- 4 - C038H – Walton Tract Development - PE Relocation; Drainage easement evaluation – 3,370 LF
- 5 - C051H – Develop alternatives for pipeline to be in floodplain - PE Relocation – 1,150 LF
- 6 - C052/C055H – Shift and reduce width of PE - PE Relocation Evaluation – 200 LF
- 7 - C065/C064H/C063H/C100H - I35 CoSM crossing shift - PE Relocation – 1,540 LF
- 8 - C066H – Proposed drainage swale/ROW - Alignment evaluation – 1,215 LF
- 9 - C078H/C079H – Kyle Estates Development Easement Alignment Adjustment – 1,310 LF
- 10 - C080H/C081H – Revised Survey Boundary - Easement Alignment Adjustment – 7,060 LF
- 11 - C082H/C083H/C084H/C085H – PEC easement evaluation along Cotton Gin Road
- 12 - C084H – Evaluate alternatives and update to construction notes
- 13 - Line 3 from Dairy Rd to end – Reduce PE width and relocate pipeline for City of Umland negotiation - 26,800 LF

- 14 - C102H – New Kyle Public Utility Easements - Alignment adjustment – 2,700 LF
- 15 - C059H – New development - Alignment adjustment and evaluation – 2,500 LF
- 16 - C059H – New Kyle delivery point alignment adjustment (x2) – 1,140 LF
- 17 - C058H/C061H – Alternatives evaluations, coordination with UPRR and Hays County for Connection to P1A - PE Relocation – 2,000 LF
- CAD – Re-stationing/Re-windowing plan set to account for all adjustments

Amendment Services Item 18.2. Additional Survey.

Additional survey will be required in six areas due to alignment modifications recommended at 60 ft swath that will be contained within the limits of the proposed easements across the following parcels C004C (3,490 LF), C027H and C028H (1,035 LF), C038H (3,200 LF), C051H (1,050 LF), C059H (450 LF), C059H and C061H (2,000 LF). These updates were initiated by new development and negotiations during the land acquisition stage and fall outside of the previously surveyed areas. To complete design at these eight locations, additional new topographic survey is needed. We are requesting \$68,200 of this budget be approved as an amendment service. See **Attachment 2** for detailed hourly breakdown.

Amendment Services Item 18.3. Additional Subsurface Utility Engineering.

Alignment modifications were made on Parcels C027H, C028H, C038H, C059H, Kohlers Crossing ROW, and CR 158 ROW. These updates were initiated by new development and negotiations during the land acquisition stage and cross major utilities outside the original test hole locations. To complete design at these six locations, additional Level A test holes are required on major gas and water utilities. The Rios Group has provided the attached proposal, **Attachment 1**, to complete the required Level A test holes and associated effort. We are requesting \$29,025 of this budget be approved as a additional service.

The total amount for this amendment request is \$322,285 which falls outside of the remainder in the original supplemental budget allocation. We appreciate the opportunity to provide our services to the Authority. We look forward to discussing this proposal with you at your convenience.

Sincerely,



Ted J Schneider, P.E.
Project Manager
BGE, Inc.

Attachments:

1. The Rios Group Subsurface Utility Engineering Proposal
2. BGE Detailed Overall Cost Breakdown

Ted Schneider, PE
Project Manager, Public Works
101 West Louis Henna Blvd, Suite 400
Austin, Texas 78728
512-806-1896
TSchneider@bgeinc.com

**RE: Subsurface Utility Engineering
Alliance Regional Water Authority Phase 1B Segment C – Additional Test Holes**

Dear Mr. Schneider:

The Rios Group, Inc. (TRG) is pleased to submit a cost proposal for Subsurface Utility Engineering (SUE) for the above referenced project. This proposal is based on information provided via teleconference on June 2, 2022 and telephone on June 7, 2022.

Introduction

TRG will perform SUE services for this project in general accordance with the recommended practices and procedures described in ASCE publication CI/ASCE 38-02 “Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.” As described in the publication, four levels have been established to describe and depict the quality of subsurface utility information. The four quality levels are as follows:

- Quality Level D (QL“D”) – Information obtained from existing utility records.
- Quality Level C (QL“C”) – Surveyed data depicting visible above-ground features supplemented with QL“D” information.
- Quality Level B (QL“B”) – Two-dimensional horizontal information obtained through the application and interpretation of non-destructive surface geophysical methods. Also known as “designating,” this level incorporates QL“C” information and provides horizontal positioning of subsurface utilities to within approximately 1.0 foot.
- Quality Level A (QL“A”) – Three-dimensional horizontal and vertical information obtained through non-destructive vacuum excavation equipment to expose utilities at critical points. Also known as “locating,” this level incorporates QL“B” information and provides horizontal and vertical positioning of subsurface utilities to within approximately 0.05 feet.

Scope of Work

Based on information provided by BGE, Inc. (Client), TRG has developed a proposed scope for SUE services on this project. This scope may be modified, with Client and TRG concurrence, during the performance of work if warranted by changing or unexpected field conditions.

The scope of this proposal includes twelve (12) QL“A” SUE test holes for the Alliance Regional Water Authority Phase 1B Segment C pipeline project in Hays and Caldwell Counties, Texas. The approximate locations of the test holes are shown on Exhibits B1-B3. To layout the test holes, TRG will attempt to designate the target utility 10’ either side of the proposed test hole. No other utility designating or investigation is included in this scope of work.

The survey of SUE field markings is included in the scope of work. It is assumed that the Client will provide the necessary survey control information.

Any necessary Right-Of-Entry (ROE) permits will be provided by the Client prior to the start of field work. It is assumed that no work will take place within the Union Pacific Railroad (UPRR) ROW. Coordination and permitting with UPRR is excluded from this scope of work.

TRG Procedures

QL“B” – Designating

Following a review of the project scope and available utility records with the project manager, TRG field personnel will begin designating the approximate horizontal position of known subsurface utilities within the project area. A suite of geophysical equipment that includes magnetic and electromagnetic induction will be used to designate conductive utilities. Where access is available, a sonde will be inserted into non-conductive utilities to provide a medium for transmission which can then be designated using geophysical equipment. Non-conductive utilities can also be designated using other proven methods, such as rodding and probing. TRG will make a reasonable attempt to designate Unknown utilities identified during field work; however, no guarantee is made that all Unknown utilities will be designated. Utilities will be marked and labeled to distinguish type and ownership. Field data depicting the designated utilities, as well as relevant surface features, will be produced to ensure accuracy and completeness of subsequent survey data. The TRG project manager will review the collected survey data, field data, and utility records for accuracy and completeness.

QL“A” – Locating

TRG will utilize non-destructive vacuum excavation equipment to excavate test holes at the requested locations. To layout the test holes, TRG will follow the *QL“B” – Designating* procedures described above. Once each utility is located, TRG will record the size, type, material, and depth. Test holes will be uniquely marked. Excavations will be backfilled by mechanical means with the appropriate material, and the original surface will be restored. If necessary, TRG can core pavement up to a depth of 12 inches. Asphalt surfaces will be repaired with an asphalt cold patch, and concrete cores will be epoxied in place, flush with the surrounding surface. TRG assumes that flowable fill will not be required when backfilling test holes and that full-section pavement repair (including sidewalks) will not be required to restore the original pavement surface. If requested, these services can be provided at an additional cost.

TRG will establish any necessary routine traffic control measures at no additional cost. However, if non-routine traffic control measures (lane closures, traffic detours, flagpersons, etc.) are required, this service will be invoiced as a direct expense. Due to the risk of damage, TRG

will not attempt to probe or excavate test holes on AC water lines unless approval is obtained from the owner in advance. Additionally, excavation in rock, or to a depth greater than 18 feet, is considered beyond the scope of this proposal.

TRG has made the following assumptions with regard to the test holes on this project:

- All test holes will be accessible to truck-mounted vacuum excavation equipment.
- Right-Of-Way (ROW) permits from the City of Kyle will be required. TRG will obtain all required City permits and ensure that coordination and compliance with the City is provided.
- Designed traffic control plans will not be required.
- Non-routine traffic control measures will be required. TRG will acquire the services of a qualified Maintenance-Of-Traffic (MOT) Subcontractor, and ensure that adequate traffic control is provided. It is assumed that two traffic control set-ups will be required.
- The coring of pavement will be required at one (1) location.

Deliverables

TRG will provide the following as a final deliverable to the Client:

- A utility file in CAD format depicting all located utilities. The Client will provide TRG with any necessary background files for use in completing the final deliverables.
- A summary sheet of all test hole coordinate data and depth information.
- 8.5” x 11” Test Hole Data Forms for all test hole locations completed. These plans will be signed and sealed by a Professional Engineer and delivered to the Client in electronic PDF form.

Schedule

TRG can mobilize within three (3) weeks of receiving Notice-To-Proceed (NTP). TRG estimates that the QL“A” SUE work for the can be completed in twenty-seven (27) working days following the approval of ROW permits, broken down as follows:

- QL“A” SUE field work – 7 days
- Survey and preparation of data – 5 days
- Deliverable preparation – 15 days

Estimated Fee

The total estimated cost to complete the work described herein is **Twenty-Nine Thousand Twenty-Five Dollars and NO/100 (\$29,025.00)**. A summary of cost is provided in Exhibit A-1. An itemized breakdown of cost is provided in Exhibits A-2 through A-4. Please note that these pricings are based on an assumption of quantities, and that only actual quantities will be invoiced – up to the total Contract amount.

We look forward to working with you on this project. If there are any questions, please do not hesitate to call at 512.580.5440.

Respectfully,

The Rios Group, Inc.

A handwritten signature in blue ink that reads "Robby Hub". The signature is fluid and cursive, with the first name being more prominent.

Robby Hub
Project Manager

Prime Provider: BGE, Inc.
Subprovider: The Rios Group, Inc.
ARWA Phase 1B Segment C

EXHIBIT A-1
FEE SCHEDULE SUMMARY
Method of Payment: Specified Rate and Unit Cost

	Description of Work Task	Total
	SUE Office Effort	\$ 3,680.00
	SUE Field Effort	\$ 19,845.00
	Other Direct Expenses	\$ 5,500.00
	Total Fee	\$29,025.00

Total Fee

\$29,025.00

Prime Provider BGE, Inc.
 Subprovider The Rios Group, Inc.
 Alliance Regional Water Authority
 Phase 1B Segment C

Exhibit A-2

		\$ 220.00	\$ 180.00	\$ 90.00	\$ 70.00							
BASIS SERVICES												
		Project Manager	Project Engineer	CADD Operator	Admin / Clerical			Total Hours	Total Cost	Total Sheets or # of Items	Hours per Sheet or item	
Task Descriptions												
QLA Project Management		4	6	16	4			30	\$ 3,680.00			
Totals		4	6	16	4	0	0	30	\$ 3,680.00	0		

Exhibit A-3				
Prime Provider: BGE, Inc.				
Subprovider: The Rios Group, Inc.				
Alliance Regional Water Authority Phase 1B Segment C				
Specified Rate Classification	Unit	Specified Contract Rate	Quantity	Total Cost
SUE (Quality Level C and D)				
This unit price includes personnel and equipment for records research, CADD, and mapping. Price per linear foot (including all related services)	LF	0.60	0.00	\$ -
SUE (Quality Level B - Utility Designating)				
This unit price includes personnel and equipment for records research, designating, engineering, surveying, CADD, mapping and limited traffic control. Price per linear foot (including all related services)	LF	1.55	0.00	\$ -
SUE (Quality Level A - Utility Locate, Test Holes)				
Includes labor and equipment for vacuum excavation, engineering, surveying, and CADD.				
Price per Test Hole:				
Level A: 0 to 5 ft.	EA	\$ 1,100.00	6.00	\$ 6,600.00
Level A: > 5 to 10 ft.	EA	\$ 1,350.00	5.00	\$ 6,750.00
Level A: > 10 to 15 ft.	EA	\$ 1,750.00	1.00	\$ 1,750.00
Level A: > 15 to 20 ft.	EA	\$ 2,300.00	0.00	\$ -
Level A: > 20 ft.	VF	\$ 160.00	0.00	\$ -
Pavement Coring	EA	\$ 370.00	1.00	\$ 370.00
SUE Mobilization/Demobilization	MILE	\$ 5.00	0.00	\$ -
Traffic Control Services - Small Project (Includes labor, equipment, and fuel)	DAY	\$ 1,000.00	1.00	\$ 1,000.00
SUE Field Services One (1) Designating Person with Equipment - Test Hole Layout	Hour	\$ 135.00	25.00	\$ 3,375.00
SUE Field Services Two (2) Designating Person with Equipment	Hour	\$ 180.00	0.00	\$ -
TOTAL				\$ 19,845.00
The unit costs shown include labor, overhead, and profit. Payment based on units completed. No partial payments.				
All unit costs are negotiated costs and are not subject to change or adjustment.				
Unit Cost Payment Basis: If unit costs by year are included, unit costs billed should correspond to the fiscal or calendar year, if applicable, in which the work was done.				
Note: Any direct labor, unit cost, or other direct expense classification included in the contract, but not in a work authorization, is not eligible for payment under that work authorization.				

Prime Provider: BGE, Inc.

Exhibit A-4

Subprovider: The Rios Group, Inc.

Alliance Regional Water Authority Phase 1B Segment C

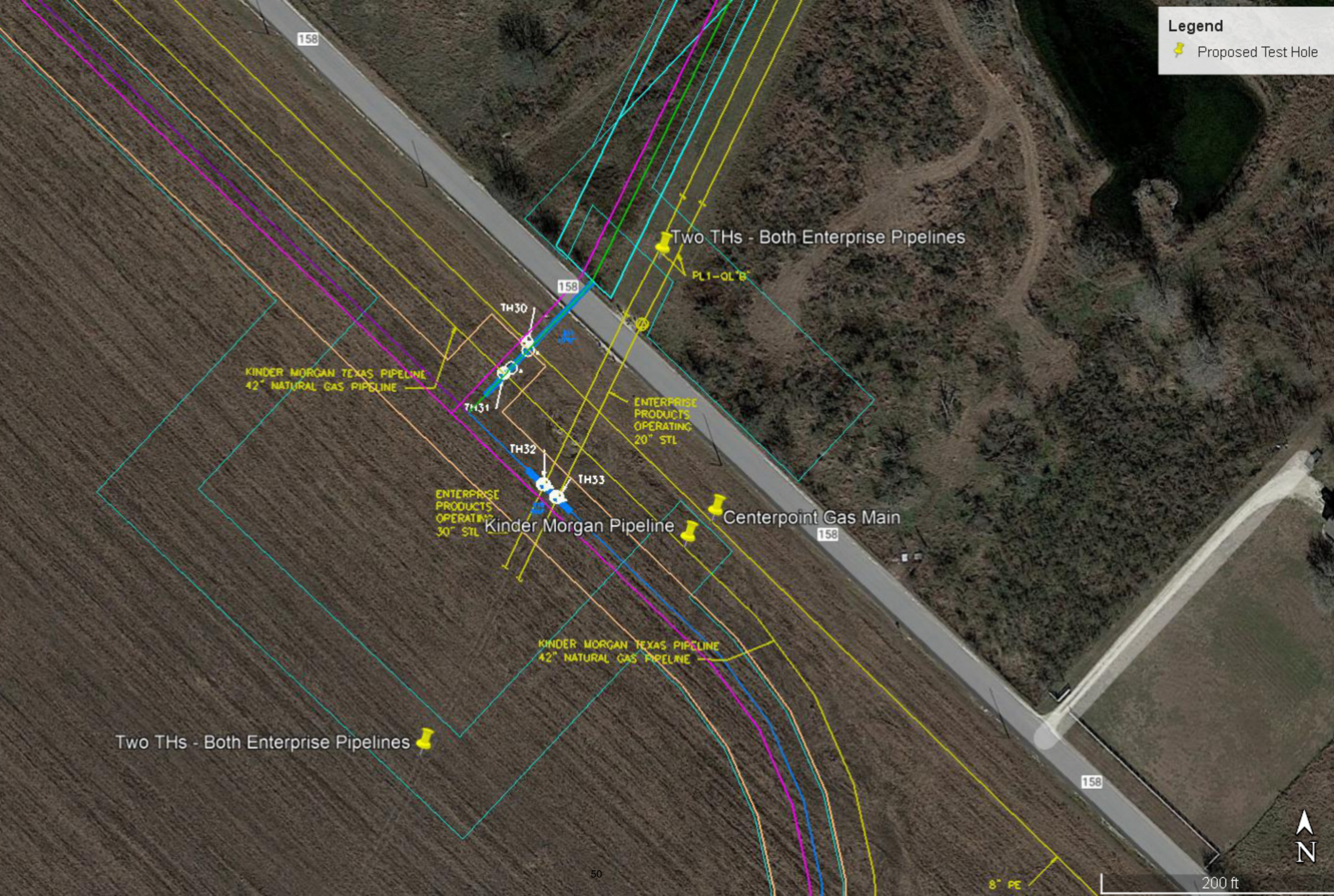
OTHER DIRECT EXPENSE	UNIT	UNIT COST	QUANTITY	COST
Lodging/Hotel (Taxes/fees not included)	day/person	\$ 141.00	0	\$ -
Lodging/Hotel - Taxes and Fees	day/person	\$ 30.00	0	\$ -
Meals (Excluding alcohol & tips) (Overnight stay required)	day/person	\$ 59.00	0	\$ -
Mileage	mile	\$ 0.535	0	\$ -
ROW Permit	each	\$ 500.000	1	\$ 500.00
Survey	day	\$ 2,500.00	2	\$ 5,000.00
				\$ -
Subtotal Other Direct Expense:				\$ 5,500.00

Profit not allowed on Other Direct Expenses.


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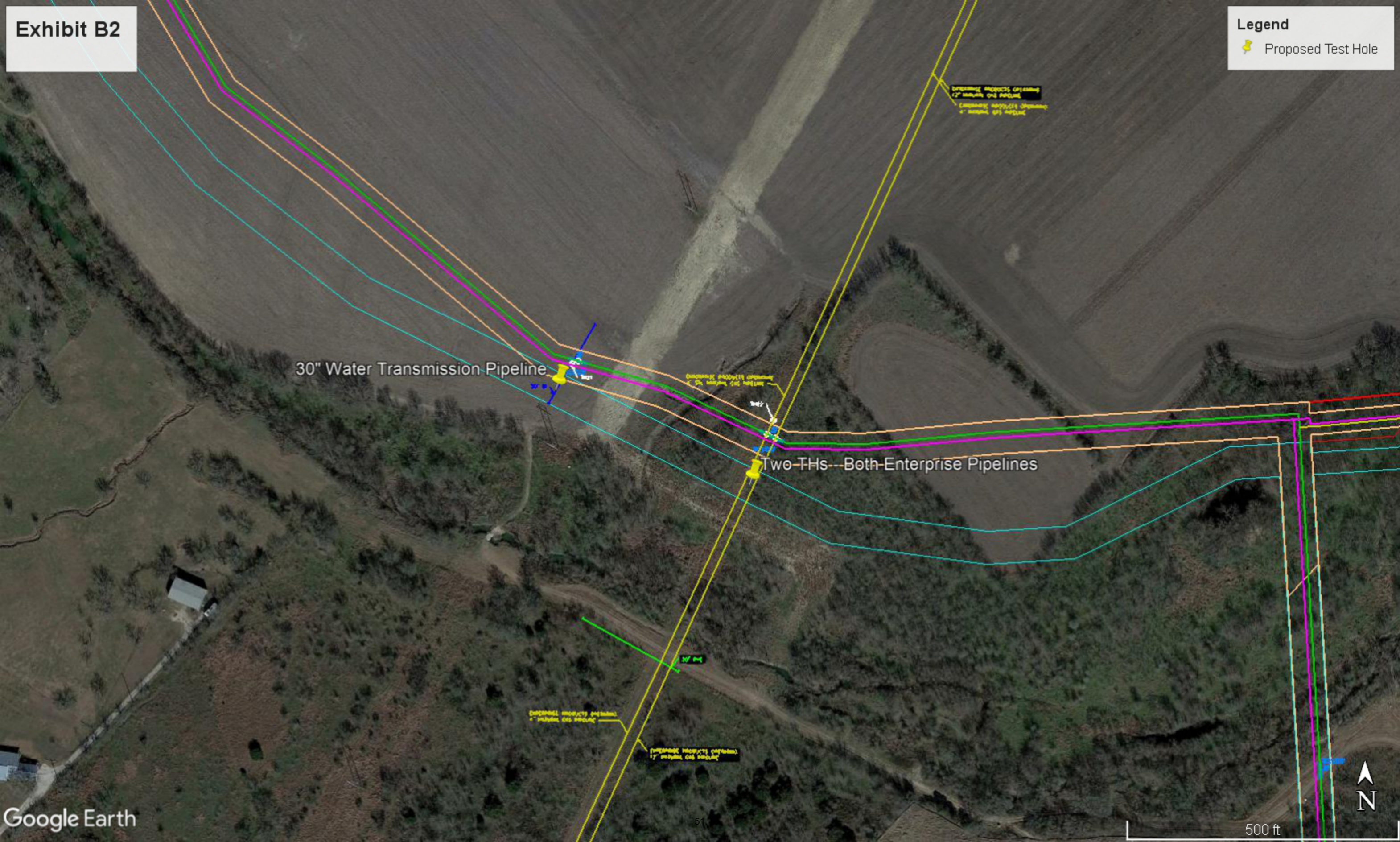
Legend

- Proposed Test Hole



Legend

-  Proposed Test Hole



30" Water Transmission Pipeline

Two THs--Both Enterprise Pipelines

30" W

Enterprise Pipeline
12" minimum O.D. required

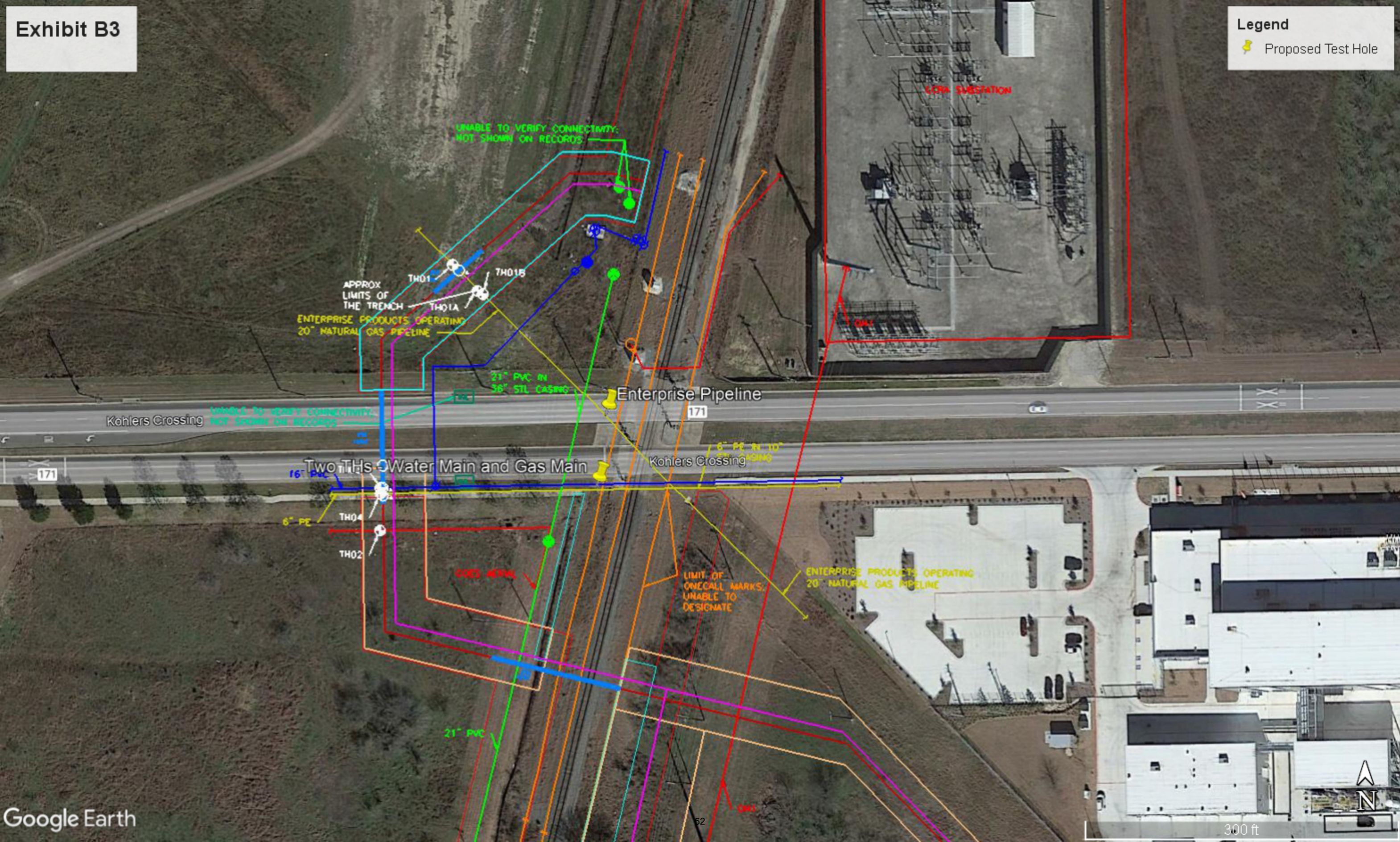
Enterprise Pipeline
12" minimum O.D. required

Enterprise Pipeline
12" minimum O.D. required



Legend

- Proposed Test Hole



UNABLE TO VERIFY CONNECTIVITY: NOT SHOWN ON RECORDS

APPROX LIMITS OF THE TRENCH
ENTERPRISE PRODUCTS OPERATING 20" NATURAL GAS PIPELINE

21" PVC IN 36" STL CASING

Enterprise Pipeline

171

Kohlers Crossing

UNABLE TO VERIFY CONNECTIVITY: NOT SHOWN ON RECORDS

Two THs Water Main and Gas Main

Kohlers Crossing

6" PE IN 10" CASING

6" PE

TH04

TH02

6005 METAL

LIMIT OF ONECALL MARKS: UNABLE TO DESIGNATE

ENTERPRISE PRODUCTS OPERATING 20" NATURAL GAS PIPELINE

21" PVC

52

6001



ATTACHMENT 2

Alliance Water Phase 1B Program
Segment C - Amendment Request 1 - Attachment 2
7/7/2022
BGE Detailed Overall Cost Breakdown

Task	Employee									[Consultant] Total Hours	[Consultant] Total Labor Effort	[Consultant] Total Expense Effort	Total Effort
	Project Role	Principal	Project Manager	Project Engineer	Engineer in Training	CADD Designer/GIS Analyst	Crew Rate (Survey)	RPLS	Senior Tech (Survey)				
	Hourly Bill Rate	\$290.00	\$250.00	\$170.00	\$120.00	\$140.00	\$175.00	\$195.00	\$135.00				

Supplemental Services - Time and Materials

18.1	Task 1 - Pipeline Alignment Evaluations and Revisions (Lump Sum)	81	183	238	238	620	0	0	0	1,352	\$ 225,060	\$ -	\$ 225,060
C004H	Redesign 3,490LF	7	2	2	6	18				35	\$ 6,110		\$ 6,110
C022H/C023H/C024H/C025H/C026H	Add Steel Casing and Developer Linework	2	4	6	6	8				18	\$ 4,440		\$ 4,440
C028H/C027H	Redesign 1,255LF	3	5	18	12	24				62	\$ 9,980		\$ 9,980
C038H	Redesign 3,370LF	7	5	22	16	24				74	\$ 12,300		\$ 12,300
C051H	Redesign 1,150LF	2	2	6	8	16				34	\$ 5,300		\$ 5,300
C052/55H	Redesign 200LF	-	6	3	6	-				15	\$ 2,730		\$ 2,730
C065/64/63/100H	Redesign 1,540LF	4	8	12	12	48				84	\$ 13,360		\$ 13,360
C066H	Redesign 1,215LF	3	4	6	12	6				31	\$ 5,170		\$ 5,170
C076H	Redesign 190LF	1	2	1	3	12				19	\$ 3,000		\$ 3,000
C078H/C079H	Redesign 1,310LF	3	5	6	10	16				40	\$ 6,580		\$ 6,580
C080H/C081H	Redesign 7,060LF	4	5	6	8	40				63	\$ 9,990		\$ 9,990
C082H/C083H/C084H/C085H	-	-	4	14	10	-				28	\$ 4,580		\$ 4,580
C084H	-	1	3	2	-	3				9	\$ 1,800		\$ 1,800
Line 3 from Diary Rd to end	Redesign 26,800LF	20	36	35	60	174				325	\$ 52,310		\$ 52,310
C102H	Redesign 2,700LF	5	4	5	7	15				36	\$ 6,240		\$ 6,240
C059H	Redesign 2,500LF	5	24	16	-	36				81	\$ 15,210		\$ 15,210
C059H	Redesign 1,140LF	2	28	6	2	24				62	\$ 12,200		\$ 12,200
C058H/C061H	Redesign 2,000LF	4	12	36	24	36				112	\$ 18,200		\$ 18,200
Restationing / Rewindowing	Total Redesign 60,240LF	8	24	36	36	120				224	\$ 35,560		\$ 35,560
										17.2 Total :	\$ 225,060	\$ -	\$ 225,060

18.2	Task 2 - Additional Survey (Lump Sum)	0	0	0	0	0	325	11	68	404	\$ 68,200	\$ -	\$ 68,200
C004C	3490LF x 60' swath						90	2	12	104	\$ 17,760		\$ 17,760
C028H/C027H	1035LF x 60' swath						30	2	12	44	\$ 7,260		\$ 7,260
C038H	3200 LF x 60' swath						85	2	12	99	\$ 16,885		\$ 16,885
C051H	1050 LF x 60' swath - Thick						40	2	12	54	\$ 9,010		\$ 9,010
C059H	450 LF x 60' swath						20	1	8	29	\$ 4,775		\$ 4,775
C058H/C061H	2000 LF x 60' swath						60	2	12	74	\$ 12,510		\$ 12,510
										17.3 Total :	\$ 68,200	\$ -	\$ 68,200

*Hourly rates are escalated through December of 2022

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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 Authority's Phase 1B Water Quality and Corrosion Report. ~ *Marisa Vergara, P.E., CP&Y, Inc.*
-

Background/Information

CP&Y has held meetings with all delivery point owners that have defined locations and plans for connection to the Alliance Water system. The purpose of the meetings were to gain additional information on existing sources so that detailed corrosion reports could be prepared for each delivery point. Marisa Vergara with CP&Y will provide a presentation highlighting the results of the discussions with the delivery point owners, the status after meeting with TCEQ and the next steps in the process.

Attachment(s)

- Technical Committee Update Water Quality and Corrosion Report 2022-07-13

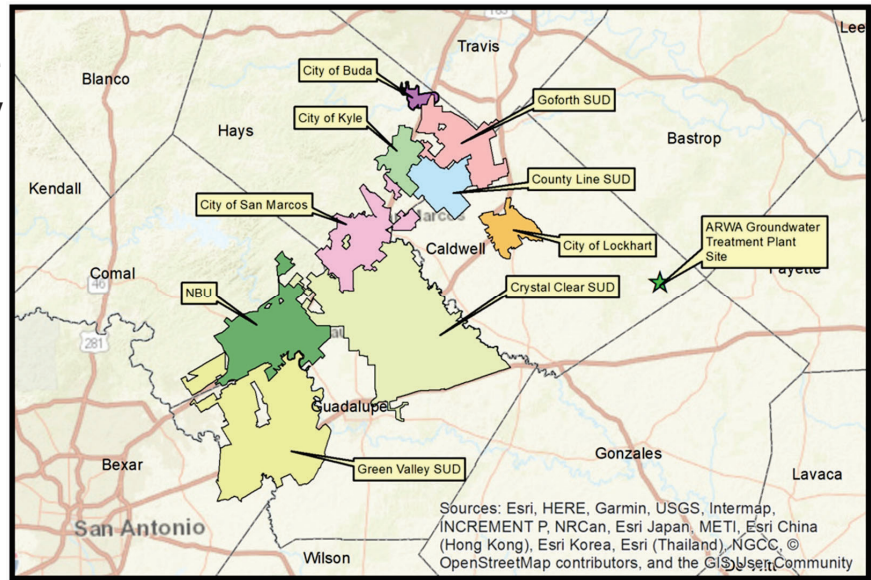
Technical Committee Decisions Needed:

- Possible Direction to Staff.

Technical Committee Update Water Quality and Corrosion Report



July 13, 2022 at 3:00 PM



Meeting Agenda

- TCEQ Interconnect Permits
- Corrosivity Engineering Report Scenarios
- Next Steps



ARWA Corrosivity Engineering Report

- Conditionally Approved March 14, 2022:

- Advise to PWSs receiving water that each will need their own corrosivity water report based on the information included in the ARWA report.

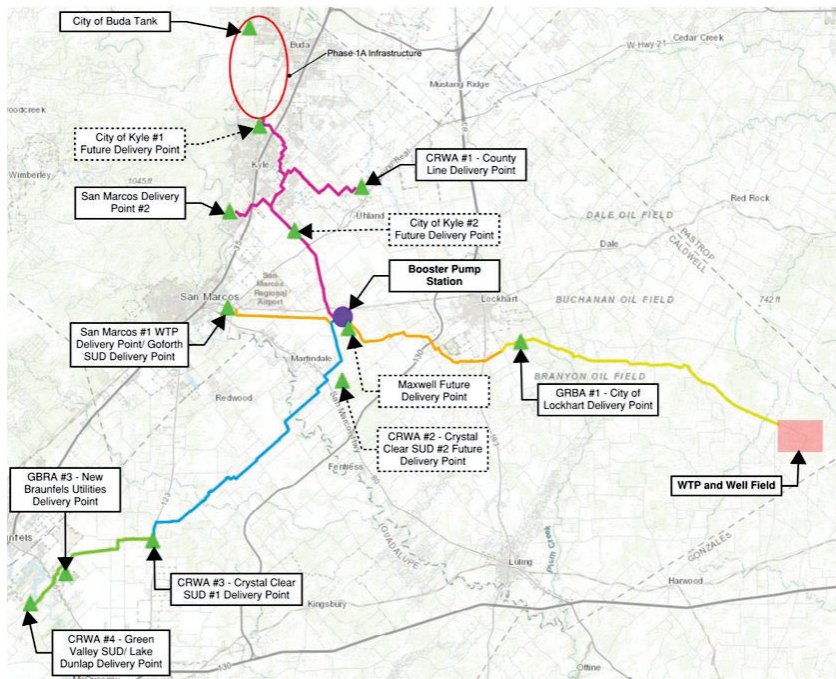
- ARWA WTP Blending Scenario Summary

Scenario 1	Scenario 2	Scenario 3	Scenario 4
Max Flow Phase 1B =19.51 MGD	100% GBRA Flow =18.75 MGD	100% ARWA Flow = 8MGD	Low Flow Scenario = 4.64 MGD
ARWA Wells = 6.13MGD GBRA Wells = 13.38MGD	ARWA Wells = 0 MGD GBRA Wells = 18.75MGD	ARWA Wells = 8 MGD GBRA Wells = 0 MGD	ARWA Wells = 4.64MGD GBRA Wells = 0 MGD
	All 7 GBRA Wells Online	All 4 ARWA Wells Online	1 – High Service Pump Online



Interconnects

- Upcoming Interconnect Submittals:
 - County Line (CRWA #1)
 - Crystal Clear SUD #1 (CRWA #3)
 - Lake Dunlap (CRWA #4)
- City of Lockhart (GBRA #1)
- New Braunfels Utilities (GBRA #3)
- San Marcos #1 WTP
- San Marcos #2
- City of Buda



TCEQ Interconnect Permit Requirements

- Describe interconnection (materials, valves, pipes, purpose etc.)
- Disinfection compatibility
- System's capacity calculation (TAC 290.45)
- Chemical Analysis report (Alk, Calcium, Sodium, Sulfate, TDS, etc.)
- Corrosion Control Treatment description and analysis of blending of two waters submitted by a sealed Engineering Report.

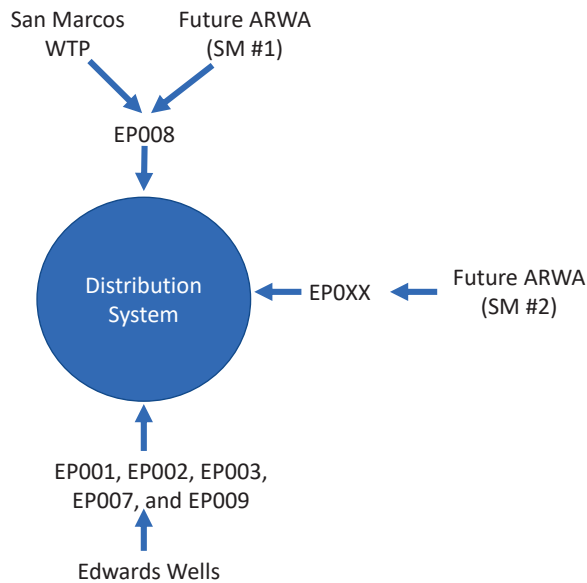


Stakeholder PWS Corrosivity Reports

- Desktop Corrosivity Report study utilizing:
 - Due at the time of Interconnection Application
 - Chemical Analysis report (Alk, Calcium, Sodium, Sulfate, TDS, etc.)
 - Blend scenarios of existing sources with ARWA water
- Stakeholder coordination for Water Quality Operational Scenarios
- Reports will be prepared and sealed by CP&Y and NBU Consultant.



San Marcos #1 (WTP)



Scenario A (SM #1)	Scenario B (SM #1)
ARWA Scenario 1 & San Marcos WTP	ARWA Scenario 4 & San Marcos WTP
ARWA = 26% San Marcos WTP = 74%	ARWA = 18% San Marcos WTP = 82%

- ARWA enters air gap GST.
- Mix with San Marcos WTP in pumping well.



Stakeholder Follow-up Report

- Water quality sampling on all entry points after change occurs
- Corrosion index calculations after change occurs
- Lead and copper sampling requirements
- Additional requirements may be listed as a condition to approval of interconnect permit (if corrosive condition occurs)
 - Additional report would be due 6 months after interconnection
 - Treatment Required if water is corrosive (EPA OCCT guidance)
 - Action Level Exceeders are required to contact TCEQ for separate type of study



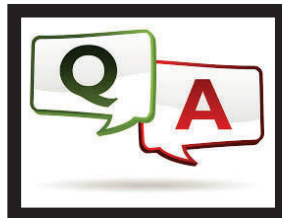
Next Steps

- TCEQ Coordination (conducted 4/14/2022)
- ARWA Stakeholder Meetings (conducted May-June)
- TCEQ approval of Corrosion Engineering Report Blends (06/23/2022)

- Submittal of Corrosion Engineering Report and Interconnect Permits (July - September)



Comments and Questions



Marisa Vergara, PE
mvergara@cpyi.com
210-798-2314

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 2022 at 3:00 P.M.

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

- F.5** Discussion and possible direction to Staff regarding the request by the Guadalupe-Blanco River Authority to expand the capacity of the ARWA Water Treatment Plant. ~ *Graham Moore, P.E., Executive Director*
-

Background/Information

The Guadalupe-Blanco River Authority (GBRA) is requesting that the ARWA Water Treatment Plant be increased in capacity by an additional 10.2 million gallons per day (MGD) for use by GBRA with four customers that have signed onto their TX130 Supply Project. Those four customers are: County Line SUD, Maxwell SUD, Goforth SUD and Camino Real Utility.

GBRA's current capacity in the water treatment plant is 13.4 MGD based on the Water Treatment and Transmission Agreement between ARWA and GBRA. ARWA's capacity in Phase 1B is 6.1 MGD and is planned to increase to 20.1 at the end of Phase 1.

The master plan for the Water Treatment Plant did not contemplate an increase in flow above 13.4 MGD for GBRA and therefore the process units, power, pipelines, etc. were not sized with this additional flow in mind.

A definitive timeline for the expansion in capacity was not stated by GBRA, but generally it is understood that this is desired in the next 4-5 years and if possible would coincide with the Phase 1C/1D expansion previously planned by ARWA.

As noted above the current agreement between ARWA and GBRA does not contemplate the additional capacity being made available to GBRA and therefore a new agreement or an amendment to the existing agreement would need to be negotiated, if the direction is provided to expand the plant.

Technical Committee Decisions Needed:

- Possible Direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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 the request from Buda to reduce their shared water volume. ~ *Graham Moore, P.E., Executive Director*
-

Background/Information

The City of Buda reached out to the Authority and requested to reduce their allotment of shared water from 1.0 million gallons per day (MGD) to 0.5 MGD. The water shared with Buda is provided by Kyle and San Marcos. After discussions with both of these suppliers, Kyle is willing to accept the return of 0.5 MGD to their supplies. Kyle would still allow Buda to utilize 0.5 MGD of their capacity in the GBRA IH-35 Treated Water Transmission System. The change would not impact the commitments from San Marcos.

Staff is working with the City of Buda and Kyle to complete an amendment that would effect this change to the Water Sharing MOU.

Technical Committee Decisions Needed:

- Possible Direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 2022 at 3:00 P.M.

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

- F.7** Discussion and possible recommendation to the Board to recommend approval of the proposed Authority budget for FY 2022-23; and possible direction to staff. ~
Graham Moore, P.E., Executive Director
-

Background/Information

Attached is the summary budget for FY 2022-23.

FY 22-23 Budget Highlights

Below are some of the highlights of the Authority FY 22-23 budget (Appendix A):

- Increased expenditures for Groundwater Royalties associated with possible additional leases and commencing production of the Carrizo project.
- Slight increase to Legal Fees.
- The Administrative Committee recommended capping annual salary increases for next year at 7%.
- Budget assumes hiring two full-time operators to be hired starting in early 2023. If the results of the operations analysis determines that operations are to be contracted out, the money for the full-time operators will be moved to contracted operations.
- Includes interest only payments for the SWIFT debt financing that is expected to occur in November of this year.

The Projects Budget (Appendix B) has been updated along with the Water Sharing budget (Appendix D).

Appendix C projects out revenues and expenditures for the Authority for the next five years. The water sharing expenditures to be paid by Buda and County Line SUD have been included, but the revenues to Kyle and San Marcos have been excluded from this analysis.

The table on the following page summarizes the payments made by each Sponsor in support of the Operating Budget and Debt Service in FY 2020-21, those being made in FY 2021-22, what was previously projected for FY 2022-23 and what is currently projected for FY 2022-23.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 2022 at 3:00 P.M.

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

SPONSOR	ACTUAL 2020-21	APPROVED 2021-22	PROJECTED 2022-23	ACTUAL BUDGET 2022-23
San Marcos	\$3,670,816	\$6,135,730	\$6,276,546	\$6,524,196
Kyle	\$3,076,738	\$4,114,580	\$4,230,843	\$4,499,331
Buda	\$514,655	\$873,690	\$1,413,641	\$1,199,394
Canyon Regional Water Authority	\$3,426,100	\$4,571,520	\$4,693,522	\$4,998,323
TOTAL	\$10,716,956	\$15,695,520	\$16,614,551	\$17,211,242

Staff is requesting a recommendation to the Board on possible adoption of the budget at the July meeting.

Attachment(s)

- Summary Budget FY 2022-23 dated July 5, 2022

Technical Committee Decisions Needed:

- Possible Direction to Staff.

ALLIANCE REGIONAL WATER AUTHORITY

SUMMARY BUDGET



ALLIANCE WATER

FOR FISCAL YEAR 2022-23

July 5, 2022



ALLIANCE REGIONAL WATER AUTHORITY

BOARD OF DIRECTORS

Officers

Chris Betz - Chair
Humberto Ramos – Vice-Chair
Blake Neffendorf - Treasurer
James Earp - Secretary

Board Members

Regina Franke
Tim Samford
Mark Gleason
Humberto Ramos
Tyler Hjorth
Derrick Turley
Paul Kite
Pat Allen
Shaun Condor



Alliance Regional Water Authority Summary Budget for FY 22-23

Authority's Goals for FY 22-23

The primary goal for the Alliance Regional Water Authority (Alliance Water) for FY 22-23 is to continue with the development of its 15,000 acre-feet per year Carrizo water supply for its Sponsors scheduled to begin water delivery in 2023. The following items will continue to be pursued in the next fiscal year towards that end:

- Operations of Alliance Water's Phase 1A infrastructure;
- Detailed design and construction of Alliance Water's Phase 1B Program to include the well field, water treatment plant, treated pipelines, booster pump station and integration of water into the Sponsor's systems; and
- Continued participation in State Water Planning, the legislative process and other regional water efforts to expand the understanding of Alliance Water's projects.

Authority's Anticipated Revenue Sources for FY 22-23

Alliance Water receives funding from its Sponsors, based on the Water Supply Contract that was signed by the Agency and its Sponsors in 2008 and the subsequent Amendment #1. The funding comes from two sources: cash payments and/or debt issuance.

The FY 22-23 budget continues to include collection of debt service from Kyle and Canyon Regional Water Authority for the debt issued in 2015 along with collection from all four Sponsors for the debt issued in 2017, 2019 and 2020 and the anticipated issuance in 2022. The remaining operations and maintenance expenses are anticipated to be funded through cash payments by the Sponsors at the rates specified in the water supply contract.

In June 2018 Alliance Water entered into an agreement with the Guadalupe-Blanco River Authority (GBRA's) for Treatment and Transmission Services for GBRA's Carrizo water to be utilized by GBRA's customers. As part of the agreement, GBRA has agreed to pay for 50% of

the design and acquisition costs for the portion of the Phase 1B Program in which they are participating. These payments are a significant source of revenue for Alliance Water.

Finally, Alliance Water also receives a relatively small amount of revenue monthly as part of a non-potable water supply agreement entered into with the property owner that sold Alliance Water the property for the Phase 1A Booster Pump Station.

Authority's Anticipated Expenditures for FY 22-23

Alliance Water's anticipated expenditures in FY 22-23 are anticipated to be concentrated in the following areas:

- Groundwater royalty payments;
- Program management, preliminary & final design and right-of-way acquisition for the Phase 1B Program infrastructure;
- Construction of the Phase 1B infrastructure
- Operations of the Phase 1A infrastructure;
- Debt service;
- Governmental Relations;
- Public Relations;
- Legal counsel; and
- Full-time staff.

Significant Changes in Revenues & Expenditures from FY 21-22 and FY 22-23

Based on current projections, operations and maintenance expenditures for FY 21-22 are anticipated to be approximately \$2,313,560 with capital expenditures of approximately \$80,000 and debt service payments totaling \$13,095,520 yielding total expenditures of \$15,489,080. Operations and maintenance expenditures in FY 22-23 are anticipated to be approximately \$2,698,820 with groundwater royalties accounting for approximately 56% of the anticipated expenditures. Capital expenditures are anticipated to be \$145,000 with debt service payments totaling \$14,335,240. Total expenditures for FY 22-23 are anticipated to be \$17,034,060. Revenues will increase over FY 22-23 due to the additional debt service payments that will be collected from the Sponsors.

Fiscal Year 20-21 Revenues and Expenditures

Table 1 below summarizes the revenues and expenditures for Alliance Water for the last completed fiscal year of FY 20-21.

Table 1	
FY 19-20 Financial Statement	
Total Assets	\$281,853,015
Total Liabilities	\$247,388,412
Net Position	\$34,504,639

Fiscal Year 21-22 Budgeted and Estimated Revenues and Expenditures

Table 2 below summarizes Alliance Water's budgeted revenues and expenditures versus the projected revenues and expenditures for the current fiscal year of FY 21-22.

Table 2		
FY 21-22 Financial Budget		
	<u>Budget</u> ¹	<u>Projected</u>
Revenues	\$17,950,593	\$18,004,903
Expenditures	\$15,507,970	\$15,489,080
Fund Balance	\$2,442,620	\$2,515,820

Notes: ¹ Reflects the adopted FY 21-22 budget.

Fiscal Year 22-23 Proposed Revenues and Expenditures

The proposed revenues and expenditures have been divided into three separate accounts: General Operations, Projects and Water Sharing. Appendix A provides the detailed FY 22-23 budget for the General Operations. Appendix C includes the anticipated revenues and expenses related to the water sharing. These have not been used to adjust the payments expected from the Sponsors as a result of general operations and the projects budgets.

Fund Balance

The fund balance at the end of FY 21-22 is projected to be approximately equivalent to 13 months of operations based on the FY 21-22 operating budget.

Sponsor Contributions

Table 3 indicates the total Sponsor contributions required for FY 22-23 for both the General Operations and Projects budgets.

TABLE 3					
FY 22-23 – TOTAL SPONSOR PAYMENTS					
	Total	San Marcos	Kyle	CRWA	Buda
General Operations, excluding Debt Service	\$2,425,000	\$986,150	\$774,675	\$849,475	\$139,700
Debt Service	\$13,095,519	\$5,538,046	\$3,724,656	\$4,138,848	\$788,694
Water Sharing	\$500,460	\$0	\$0	\$0	\$271,000
TOTAL	\$16,020,979	\$6,524,196	\$4,499,331	\$4,988,323	\$1,199,394

Proposed Five-Year Forecast of Authority Revenues and Expenditures

Appendix B summarizes the anticipated Agency expenditures for budget years FY 21-22 through FY 26-27 and Table 5 summarizes the anticipated revenues collected from the Sponsors. This does not include any credits or contributions related to the water sharing plan. The breakdown of payment by type is provided in Appendix D.

TABLE 5						
5-YEAR ANTICIPATED SPONSOR CONTRIBUTIONS						
	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
San Marcos	\$6,135,730	\$6,524,196	\$7,815,637	\$8,211,239	\$8,246,369	\$8,349,765
Kyle	\$4,114,580	\$4,499,331	\$5,272,911	\$5,577,943	\$5,600,199	\$5,691,523
CRWA	\$873,690	\$1,199,394	\$1,390,032	\$1,258,983	\$1,172,743	\$1,183,844
Buda	\$4,571,520	\$4,988,323	\$5,828,702	\$6,148,931	\$6,186,163	\$6,281,251
TOTAL	\$15,695,520	\$17,211,242	\$20,307,282	\$21,197,095	\$21,205,474	\$21,506,383

Primary Issues Affecting the Budget

The proposed budget indicates that the engineering and construction for Phase 1B will continue and operations of the Phase 1A will continue in FY 22-23. The budget includes the addition of three salaried positions for operations in FY 21-22. These personnel will only be hired if the Board determines that the Authority will operate the entire system with internal Staff, otherwise the funding will be reallocated to support contract operations. The current budget anticipates that the Sponsors will remain at their same participation levels as indicated in Amendment #1 to the Water Supply Contract.

END

APPENDIX A

FY 2022-23 GENERAL OPERATIONS BUDGET

Alliance Regional Water Authority
APPENDIX A: FY 2021-22 GENERAL OPERATIONS BUDGET

DRAFT 2022-07-05

Expense	Actual FY 2020/21	Approved (as Amended) FY 2021/22	Estimated FY 2021/22	Proposed FY 2022/23
Operations Expenditures				
Royalties & Permit Fees				
Groundwater Royalties	1,239,073.15	1,355,600.00	1,498,100.00	1,520,470.50
Permit Fees	74,454.43	82,000.00	82,000.00	91,000.00
Total Royalties & Permit Fees	1,313,527.58	1,437,600.00	1,580,100.00	1,611,470.50
Contract Services				
Agency Mgmt Public Relations	37,883.30	50,000.00	50,000.00	60,000.00
Contract Services-Lobbyist	72,000.00	72,000.00	45,000.00	60,000.00
Auditing fees	10,930.00	13,000.00	10,930.00	13,000.00
Legal Fees	86,307.99	115,000.00	115,000.00	125,000.00
Total Contract Services	207,121.29	250,000.00	220,930.00	258,000.00
Regional Water Planning Contribution	484.53	2,500.00	1,500.00	1,500.00
Admin Operations				
Dues	7,655.00	7,500.00	7,500.00	9,000.00
Bank Fees	3,723.08	2,500.00	4,500.00	4,000.00
Insurance - Liability, E&O	2,422.98	7,000.00	3,075.00	7,000.00
Non-Project Newspaper Public Notices	3,556.37	3,500.00	0.00	2,000.00
Telephone, Telecommunications	1,209.68	3,800.00	2,400.00	3,800.00
Supplies	18,330.34	18,000.00	33,500.00	27,500.00
Admin Operations - Other	0.00	1,500.00	0.00	1,500.00
Total Admin Operations	36,897.45	43,800.00	50,975.00	54,800.00
Travel, Conferences & Meetings	1,175.83	5,000.00	3,000.00	5,000.00
Employee Expenses				
Salaries and wages	328,983.05	389,225.19	340,000.00	554,860.98
Merit Bonus	0.00	0.00	0.00	0.00
Auto Allowance	13,084.74	12,600.00	12,600.00	12,600.00
Phone Allowance	2,803.95	2,700.00	2,700.00	2,700.00
Payroll taxes	24,497.37	27,759.89	25,000.00	40,892.93
Employee Insurance	29,351.46	47,637.50	32,000.00	62,582.28
Retirement	23,571.27	33,267.70	28,000.00	48,463.68
Licenses & Permits	1,123.75	2,700.00	1,250.00	3,700.00
Mileage Reimbursement	0.00	3,150.00	500.00	2,500.00
Employee Expenses - Other	0.00	6,000.00	1,000.00	7,000.00
Total Employee Expenses	423,416.00	525,040.00	443,050.00	735,300.00
Total Operations Expenditures	1,982,620.00	2,263,940.00	2,299,560.00	2,666,070.00
Facility O&M Expenditures				
General - O&M Expenditures	35,767.24	9,000.00	9,000.00	9,000.00
Well Field - O&M Expenditures	0.00	0.00	0.00	0.00
WTP - O&M Expenditures	0.00	0.00	0.00	0.00
Maxwell BPS - O&M Expenditures	0.00	0.00	0.00	0.00
Buda BPS - O&M Expenditures	0.00	19,510.00	5,000.00	23,750.00
Kyle EST - O&M Expenditures	0.00	0.00	0.00	0.00
SH-123 EST - O&M Expenditures	0.00	0.00	0.00	0.00
Total O&M Expenditures	35,767.24	28,510.00	14,000.00	32,750.00

Alliance Regional Water Authority
APPENDIX A: FY 2021-22 GENERAL OPERATIONS BUDGET

DRAFT 2022-07-05

	Actual FY 2020/21	Approved (as Amended) FY 2021/22	Estimated FY 2021/22	Proposed FY 2022/23
Capital Expenditures				
Projects-in-Progress (Cash)				
Legal Support	2,715.30	25,000.00	10,000.00	25,000.00
Hydrogeologic Support	12,782.31	20,000.00	20,000.00	20,000.00
Total Projects-in-Progress (Cash)	15,497.61	45,000.00	30,000.00	45,000.00
Projects-in-Progress Eng. (Cash)				
Engineering - General	16,125.00	75,000.00	50,000.00	100,000.00
GIS Development	15,102.75	0.00	0.00	0.00
Total Projects-in-Progress Eng. (Cash)	31,227.75	75,000.00	50,000.00	100,000.00
Debt Service Payment				
Series 2015a (CRWA)	250,977.00	249,058.00	249,058.00	251,854.00
Series 2015b (Kyle)	181,087.50	179,928.50	179,928.50	178,608.00
Series 2017a (CRWA)	498,561.50	501,017.50	501,017.50	498,047.50
Series 2017b (Kyle)	452,995.50	455,691.50	455,691.50	452,996.50
Series 2017c (San Marcos)	723,522.00	719,232.00	719,232.00	719,282.00
Series 2017d (Buda)	104,678.00	104,054.00	104,054.00	103,334.00
Series 2019a (CRWA)	1,287,478.50	1,289,930.50	1,289,930.50	1,287,130.50
Series 2019b (Kyle)	1,174,531.50	1,172,646.50	1,172,646.50	1,175,574.50
Series 2019c (San Marcos)	1,897,305.00	1,899,831.00	1,899,831.00	1,897,081.00
Series 2019d (Buda)	268,481.00	271,717.00	271,717.00	269,889.50
Series 2020a (CRWA)	640,000.00	1,728,369.50	1,728,369.50	1,726,815.50
Series 2020b (Kyle)	585,000.00	1,573,890.50	1,573,890.50	1,577,476.50
Series 2020c (San Marcos)	500,000.00	2,584,310.50	2,584,310.50	2,581,682.50
Series 2020d (Buda)	75,000.00	365,842.00	365,842.00	365,470.00
Series 2022a (CRWA)	0.00	0.00	0.00	375,000.00
Series 2022b (Kyle)	0.00	0.00	0.00	340,000.00
Series 2022c (San Marcos)	0.00	0.00	0.00	340,000.00
Series 2022d (Buda)	0.00	0.00	0.00	50,000.00
Total Debt Service Payment	8,639,620.00	13,095,520.00	13,095,520.00	14,190,240.00
Total Capital Expenditures	8,686,350.00	13,215,520.00	13,175,520.00	14,335,240.00
Total Expense	10,704,740.00	15,507,970.00	15,489,080.00	17,034,060.00
Ordinary Income/Expense				
Beginning Unreserved Fund Balance	2,224,421.58	2,209,973.16	2,209,973.16	2,515,820.00
Revenue				
Project Contribution				
City of San Marcos	3,670,815.52	6,135,730.00	6,135,730.00	6,524,195.50
City of Kyle	3,076,737.53	4,114,580.00	4,114,580.00	4,499,330.50
City of Buda	514,654.87	873,690.00	873,690.00	928,393.50
Canyon Regional Water Authority	3,426,100.03	4,571,520.00	4,571,520.00	4,988,322.50
Project Contribution - Other	28,648.00	31,600.00	31,600.00	35,000.00
Total Project Contribution	10,716,955.95	15,727,120.00	15,727,120.00	16,975,242.00
TexStar Interest Revenue				
City of San Marcos	520.46	4,300.00	22,945.00	21,500.00
City of Kyle	408.87	3,400.00	18,025.00	16,900.00
City of Buda	73.71	600.00	3,250.00	3,050.00
Canyon Regional Water Authority	448.34	3,700.00	19,765.00	18,500.00
TexStar Interest Revenue - Other	0.00	0.00	0.00	0.00
Total TexStar Interest Revenue	1,451.38	12,000.00	63,985.00	59,950.00
Broadway Interest Revenue				
City of San Marcos	840.86	550.00	1,387.00	1,250.00
City of Kyle	700.83	425.00	1,051.00	980.00
City of Buda	87.43	75.00	167.00	175.00
Canyon Regional Water Authority	861.52	450.00	1,218.00	1,075.00
Broadway Interest Revenue - Other	0.00	0.00	0.00	0.00
Total Broadway Interest Income	2,490.64	1,500.00	3,823.00	3,480.00
Total Operating Revenue	10,720,900.00	15,740,620.00	15,794,930.00	17,038,670.00
Total Funds Available	12,945,321.58	17,950,593.16	18,004,903.16	19,554,490.00
Net Income	16,160.00	232,650.00	305,850.00	4,610.00
Ending Unreserved Balance	2,209,973.16	2,442,620.00	2,515,820.00	2,520,430.00
Fund Balance as Percentage of Operating	109.49%	106.55%	108.74%	93.39%

APPENDIX B

PROJECTED 5-YEAR BUDGET

**Alliance Regional Water Authority
APPENDIX B: PROJECTED 5-YR BUDGET**

DRAFT 2022-07-05

	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Beginning Fund Balance	\$2,209,973	\$2,515,820	\$2,791,430	\$3,008,930	\$3,356,690	\$3,453,910
GENERAL OPERATIONS						
Expenditures						
Operations						
Royalties & Permits	\$1,580,100	\$1,611,471	\$1,720,571	\$2,071,300	\$2,116,857	\$2,163,644
Contract Services	\$220,930	\$258,000	\$245,000	\$260,000	\$260,000	\$260,000
Operations	\$52,475	\$56,300	\$46,300	\$48,615	\$51,046	\$53,598
Employee Expenses	\$443,050	\$735,300	\$1,453,403	\$1,523,457	\$1,675,803	\$1,843,383
Travel, Conferences & Meetings	\$3,000	\$5,000	\$7,500	\$10,000	\$12,500	\$15,000
Total Operations	\$2,299,555	\$2,666,071	\$3,472,773	\$3,913,372	\$4,116,206	\$4,335,625
Plant O&M Expenditures	\$14,000	\$32,750	\$550,000	\$800,000	\$900,000	\$975,000
Capital Projects (Cash)						
Permitting/Groundwater Support	\$30,000	\$45,000	\$40,000	\$35,000	\$35,000	\$40,000
Engineering & Studies (Cash)	\$50,000	\$100,000	\$100,000	\$200,000	\$150,000	\$150,000
Total Capital Projects (Cash)	\$80,000	\$145,000	\$140,000	\$235,000	\$185,000	\$190,000
Shared Water						
Payments to Kyle	\$321,750	\$92,000	\$95,680	\$33,169	\$0	\$0
Payments to San Marcos	\$271,650	\$275,000	\$286,000	\$99,147	\$0	\$0
Total Shared Water	\$593,400	\$367,000	\$381,680	\$132,316	\$0	\$0
Total Expenditures	\$2,986,960	\$3,210,820	\$4,544,450	\$5,080,690	\$5,201,210	\$5,500,630
Revenues						
City of San Marcos	\$869,605	\$986,150	\$1,434,400	\$1,828,860	\$1,864,720	\$1,972,300
City of Kyle	\$683,123	\$774,675	\$1,126,800	\$1,436,670	\$1,464,840	\$1,549,350
City of Buda	\$123,190	\$139,700	\$203,200	\$259,080	\$264,160	\$279,400
Canyon Regional Water Authority	\$749,083	\$849,475	\$1,235,600	\$1,575,390	\$1,606,280	\$1,698,950
Total Revenues	\$2,425,000	\$2,750,000	\$4,000,000	\$5,100,000	\$5,200,000	\$5,500,000
PROJECTS						
Expenditures						
Series 2015a (CRWA)	\$249,058	\$251,854	249,319.00	\$251,609	\$253,669	\$255,307
Series 2015b (Kyle)	\$179,929	\$178,608	182,116.50	\$180,437	\$178,677	\$181,707
Series 2017a (CRWA)	\$501,018	\$498,048	499,726.50	\$496,042	\$496,972	\$497,548
Series 2017b (Kyle)	\$455,692	\$452,997	454,983.00	\$451,633	\$452,933	\$453,904
Series 2017c (San Marcos)	\$719,232	\$719,282	718,676.50	\$722,517	\$720,617	\$718,202
Series 2017d (Buda)	\$104,054	\$103,334	102,526.00	\$101,646	\$100,678	\$99,646
Series 2019a (CRWA)	\$1,289,931	\$1,287,131	1,284,127.50	\$1,268,415	\$1,269,777	\$1,269,461
Series 2019b (Kyle)	\$1,172,647	\$1,175,575	1,173,260.50	\$1,170,685	\$1,167,985	\$1,169,878
Series 2019c (San Marcos)	\$1,899,831	\$1,897,081	1,893,944.00	\$1,890,416	\$1,886,646	\$1,887,170
Series 2019d (Buda)	\$271,717	\$269,890	268,019.00	\$266,106	\$269,171	\$267,103
Series 2020a (CRWA)	\$1,728,370	\$1,726,816	1,729,928.50	\$1,727,476	\$1,729,465	\$1,729,985
Series 2020b (Kyle)	\$1,573,891	\$1,577,477	1,575,751.00	\$1,578,518	\$1,575,764	\$1,576,684
Series 2020c (San Marcos)	\$2,584,311	\$2,581,683	2,583,616.50	\$2,584,446	\$2,589,386	\$2,587,093
Series 2020d (Buda)	\$365,842	\$365,470	364,447.00	\$364,447	\$368,734	\$367,695
Series 2022a (CRWA)	\$0	\$375,000	830,000.00	\$830,000	\$830,000	\$830,000
Series 2022b (Kyle)	\$0	\$340,000	760,000.00	\$760,000	\$760,000	\$760,000
Series 2022c (San Marcos)	\$0	\$340,000	1,185,000.00	\$1,185,000	\$1,185,000	\$1,185,000
Series 2022d (Buda)	\$0	\$50,000	170,000.00	\$170,000	\$170,000	\$170,000
Total Expenditures	\$13,095,519	\$14,190,242	\$16,025,442	\$15,999,391	\$16,005,474	\$16,006,383
Revenues						
Sponsor Payments						
City of San Marcos	\$5,203,374	\$5,538,046	\$6,381,237	\$6,382,379	\$6,381,649	\$6,377,465
City of Kyle	\$3,382,157	\$3,724,656	\$4,146,111	\$4,141,273	\$4,135,359	\$4,142,173
City of Buda	\$741,613	\$788,694	\$904,992	\$902,199	\$908,583	\$904,444
Canyon Regional Water Authority	\$3,768,376	\$4,138,848	\$4,593,102	\$4,573,541	\$4,579,883	\$4,582,301
Total Sponsor Payments	\$13,095,519	\$14,190,242	\$16,025,442	\$15,999,391	\$16,005,474	\$16,006,383
Total Revenues	\$13,095,519	\$14,190,242	\$16,025,442	\$15,999,391	\$16,005,474	\$16,006,383
Net Sponsor Payments						
Sponsor Payments						
City of San Marcos	\$6,135,730	\$6,524,196	\$7,815,637	\$8,211,239	\$8,246,369	\$8,349,765
City of Kyle	\$4,114,580	\$4,499,331	\$5,272,911	\$5,577,943	\$5,600,199	\$5,691,523
City of Buda	\$873,690	\$1,199,394	\$1,390,032	\$1,258,983	\$1,172,743	\$1,183,844
Canyon Regional Water Authority	\$4,571,520	\$4,988,323	\$5,828,702	\$6,148,931	\$6,186,163	\$6,281,251
Total Net Sponsor Payments	\$15,695,520	\$17,211,242	\$20,307,282	\$21,197,095	\$21,205,474	\$21,506,383
Interest Income	\$31,600	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Other Income	\$67,808	\$63,430	\$63,430	\$63,430	\$63,430	\$63,430
NET INCOME	\$305,850	\$275,610	\$217,500	\$347,760	\$97,220	\$97,800
ENDING FUND BALANCE						
	\$2,515,820	\$2,791,430	\$3,008,930	\$3,356,690	\$3,453,910	\$3,551,710
	108.74%	103.43%	74.80%	71.22%	68.86%	66.88%

APPENDIX C

FY 2022-23 WATER SHARING BUDGET

**Alliance Regional Water Authority
APPENDIX C: FY 2021-22 WATER SHARING**

ADOPTED 2022-07-05

	Actual FY 2020/21	Amended) FY 2021/22	Estimated FY 2021/22	Proposed FY 2022/23
Ordinary Income/Expense				
Revenue				
Interim Water Revenue				
City of San Marcos	0.00	0.00	0.00	0.00
City of Kyle	0.00	0.00	0.00	0.00
City of Buda	447,228.00	495,000.00	435,000.00	96,000.00
Canyon Regional Water Authority	0.00	0.00	0.00	0.00
County Line SUD	0.00	98,400.00	92,940.00	271,000.00
Total Interim Water Revenue	447,228.00	593,400.00	527,940.00	367,000.00
Total Operating Revenue	447,228.00	593,400.00	527,940.00	367,000.00
Total Funds Available	447,228.00	593,400.00	527,940.00	367,000.00
Expense				
Water Expenditures				
Payments for Shared Water				
City of San Marcos	167,580.00	271,650.00	262,540.00	310,000.00
City of Kyle	285,851.00	321,750.00	265,400.00	57,000.00
City of Buda	0.00	0.00	0.00	0.00
Canyon Regional Water Authority	0.00	0.00	0.00	0.00
Operations & Maintenance	0.00	0.00	0.00	0.00
Total Payments for Water	453,431.00	593,400.00	527,940.00	367,000.00
Phase 1A BPS O&M				0.00
Total Capital Expenditures	453,431.00	593,400.00	527,940.00	367,000.00

APPENDIX D

PROJECTED 5-YEAR CONTRIBUTIONS BY SPONSOR BY EXPENSE TYPE

Alliance Regional Water Authority
APPENDIX D: Projected 5-Yr Contributions by Entity & Type

DRAFT 2022-07-05

Projected 5-Yr Contributions for Buda by Type

	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Operations	\$123,190	\$139,700	\$203,200	\$259,080	\$264,160	\$279,400
Debt Service	\$741,613	\$788,694	\$904,992	\$902,199	\$908,583	\$904,444
Water Sharing	\$500,460	\$271,000	\$281,840	\$97,705	\$0	\$0
TOTAL	\$1,365,263	\$1,199,394	\$1,390,032	\$1,258,983	\$1,172,743	\$1,183,844

Projected 5-Yr Contributions for San Marcos by Type

	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Operations	\$869,605	\$986,150	\$1,434,400	\$1,828,860	\$1,864,720	\$1,972,300
Debt Service	\$5,203,374	\$5,538,046	\$6,381,237	\$6,382,379	\$6,381,649	\$6,377,465
TOTAL	\$6,072,979	\$6,524,196	\$7,815,637	\$8,211,239	\$8,246,369	\$8,349,765

Projected 5-Yr Contributions for Kyle by Type

	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Operations	\$683,123	\$774,675	\$1,126,800	\$1,436,670	\$1,464,840	\$1,549,350
Debt Service	\$3,382,157	\$3,724,656	\$4,146,111	\$4,141,273	\$4,135,359	\$4,142,173
TOTAL	\$4,065,280	\$4,499,331	\$5,272,911	\$5,577,943	\$5,600,199	\$5,691,523

Projected 5-Yr Contributions for CRWA by Type

	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Operations	\$749,083	\$849,475	\$1,235,600	\$1,575,390	\$1,606,280	\$1,698,950
Debt Service	\$3,768,376	\$4,138,848	\$4,593,102	\$4,573,541	\$4,579,883	\$4,582,301
TOTAL	\$4,517,458	\$4,988,323	\$5,828,702	\$6,148,931	\$6,186,163	\$6,281,251

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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 July 12th.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on July 19th.

Groundwater Management Area 13

GMA-13 is in the process of adopting the current round of DFCs. Each groundwater district is scheduling public hearings on the DFCs.

Region L Planning Group

The next Region L meeting is scheduled for August 4th.

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, July 13th, 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 June.

FY 21-22 CONSULTANT INVOICES PAID IN JUNE 2022

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
RW Harden	\$30,000.00	\$1,200.00	\$9,066.33	30%	\$20,933.67	
Kent Alan Sick - ROW Legal	\$30,000.00	\$0.00	\$0.00	0%	\$30,000.00	
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	\$20,404.00	\$149,654.40	59%	\$105,345.60	
Lloyd Gosselink Rochelle & Townsend	\$125,000.00	\$7,883.40	\$62,217.98	50%	\$62,782.02	
CD&P - Public Relations	\$50,000.00	\$0.00	\$27,588.11	55%	\$22,411.89	
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	\$30,000.00	67%	\$15,000.00	
Texas Land & Right of Way Company, LLC	\$25,000.00	\$8,890.00	\$8,890.00	36%	\$16,110.00	
Total	\$594,805.58	\$43,377.40	\$298,346.82		\$296,458.76	

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

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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 JUNE 2022

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WO5	\$1,211,382.72	\$0.00	\$902,176.05	74%	\$309,206.67	
Kimley-Horn Ph 1B Owner's Rep WO5	\$1,989,091.00	\$147,955.38	\$241,763.63	12%	\$1,747,327.37	
Blanton - Environmental	\$1,184,938.15	\$0.00	\$363,589.04	31%	\$821,349.11	
LAN - Segment A Final	\$37,197.04	\$1,117.25	\$37,182.42	100%	\$14.62	
LAN - Segment A Construction	\$605,957.91	\$16,952.50	\$72,306.12	12%	\$533,651.79	
KFA - Segment B Final	\$89,769.42	\$2,485.00	\$66,133.15	74%	\$23,636.27	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$147,053.89	\$0.00	\$33,239.38	23%	\$113,814.51	
FNI - Segment D Prelim	\$61,533.66	\$0.00	\$0.00	0%	\$61,533.66	
FNI - Segment D Final	\$307,435.65	\$39,700.71	\$143,902.23	47%	\$163,533.42	
Walker - Segment E Prelim	\$38,153.24	\$0.00	\$0.00	0%	\$38,153.24	
Walker - Segment E Final	\$326,815.35	\$17,958.51	\$102,586.20	31%	\$224,229.15	
LAN - ROW Acquisition	\$741,441.42	\$0.00	\$165,740.46	22%	\$575,700.96	
DTR&G	\$2,000,000.00	\$0.00	\$924,992.10	46%	\$1,075,007.90	
CBRE - Appraisals	\$943,090.00	\$44,420.00	\$348,920.00	37%	\$594,170.00	
CP&Y - Survey	\$357,734.00	\$0.00	\$130,063.00	36%	\$227,671.00	
RW Harden - WDH Const Admin	\$12,470.00	\$0.00	\$12,470.00	100%	\$0.00	
LNV - RWI	\$113,027.50	\$0.00	\$5,370.00	5%	\$107,657.50	
FNI - BPS Final	\$267,620.10	\$55,213.00	\$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	\$0.00	\$26,950.76	9%	\$263,712.67	
Pape-Dawson - CM&I WO#5	\$1,501,376.61	\$0.00	\$935,095.71	62%	\$566,280.90	
Pape-Dawson - CM&I WO#6	\$5,601,900.00	\$287,744.23	\$903,612.17	16%	\$4,698,287.83	
Hicks & Co - WDH Environmental	\$15,571.00	\$0.00	\$0.00	0%	\$15,571.00	
Walker Partners - WTP CA Svcs	\$1,253,702.22	\$66,819.18	\$348,822.10	28%	\$904,880.12	
LNV/Ardurura - RWI CA Svcs	\$340,160.00	\$0.00	\$14,704.50	4%	\$325,455.50	
FNI - BPS CA Svcs	\$527,630.50	\$43,069.18	\$86,555.46	16%	\$441,075.04	
CP&Y - SCADA Programming Svcs	\$821,470.94	\$51,055.96	\$226,921.50	28%	\$594,549.44	
HVJ - Materials Testing (WTP)	\$473,148.75	\$14,726.25	\$72,464.00	15%	\$400,684.75	
HVJ - Materials Testing (BPS)	\$131,259.00	\$9,093.00	\$32,601.00	25%	\$98,658.00	
HVJ - Materials Testing (Segment A)	\$730,665.00	\$0.00	\$0.00	0%	\$730,665.00	
Total	\$22,141,087.81	\$798,310.15	\$6,254,836.35	28%	\$15,886,251.46	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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 June 2022.

CHANGE ORDERS APPROVED IN JUNE 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	\$ 306,242.13	\$ -	\$ 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	\$ 85,337.00	\$ -	\$ 1,504,037.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 163,128.00	\$ 15,000.00	\$ 1,353,549.00
BGE: 1B Segment C Final	\$ 2,688,310.00	\$ 280,021.00	\$ -	\$ 2,968,331.00
Freese & Nichols: 1B BPS & DP Final	\$ 1,580,519.00	\$ 163,657.00	\$ 37,584.00	\$ 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	\$ 32,896.00	\$ 530,120.00
Freese & Nichols: 1B BPS & DP (CA Svcs)	\$ 486,610.00	\$ 25,000.00	\$ 25,000.00	\$ 511,610.00

- No change orders were approved for construction contracts in June.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, July 13th, 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.
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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, July 13th, 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, July 13th, 2022 at 3:00 P.M.

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

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
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J. ADJOURNMENT
