

**Alliance Regional Water Authority
Board of Directors**

REGULAR MEETING



ALLIANCE WATER

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572
Code: 730 061 054#

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

In accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act, a quorum of Alliance Regional Water Authority's (the Authority's) Board of Directors will hold a meeting by telephonic conference call at 3:00 PM, Wednesday, November 18, 2020. The public may participate in this meeting by calling the following number and code:

Conference Call Number: 1-903-405-2572
Code: 730 061 054#

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 November 18, 2020. 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 register with the Executive Director at info@alliancewater.org before 3:00 p.m.)

D. CONSENT AGENDA

The items included in the Consent Agenda portion of this meeting agenda can be considered and approved by the Board of Directors by one motion and vote. A Board member may request that an item included in the Consent Agenda be considered separately, in which event the Board of Directors will take action on the remaining Consent Agenda items and then consider the item removed from the Consent Agenda.

D.1 Consider approval of minutes of the Regular Meeting held October 28, 2020. ~
Graham Moore, P.E., Executive Director

D.2 Consider approval of the financial report for October 2020. ~ *Graham Moore, P.E., Executive Director*

E. PUBLIC HEARINGS / PRESENTATIONS - None

E.1 Update on recent Public Relations activities and future plans. *Concept Development & Planning, LLC (CD&P)*

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F. ITEMS FOR DISCUSSION NOT REQUIRING ACTION

- F.1 Report on Technical Committee activities. ~ *Graham Moore, P.E., Executive Director*
- F.2 Update and possible direction to Staff regarding the status of the Authority's Phase 1A projects, and direction to staff and consultants. ~ *Jason Biemer, Project Coordinator*
- F.3 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 AND LEGAL COUNSEL REPORTS - Update on future meeting dates, locations, status of Authority procurements, Executive Director activities, other operational activities and the status of legal issues, where no action is required. ~ *Graham Moore, P.E., Executive Director / Mike Gershon, Lloyd Gosselink Rochelle & Townsend, P.C.*

H. ITEMS FOR ACTION OR DISCUSSION/DIRECTION

- H.1 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- H.2 Consider adoption of Resolution 2020-11-18-001 approving Work Order #7 with Blanton & Associates for additional environmental services associated with the Authority's Phase 1B Program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

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

J. EXECUTIVE SESSION

- J.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*

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- B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
- J.2 Action from Executive Session on the following matters:
- A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
 - D. *Consideration of Resolution 2020-11-18-002 approving a Purchase Agreement with Robert and Valerie Stillwell for a permanent pipeline easement on Parcel D045G.*
 - E. *Consideration of Resolution 2020-11-18-003 finding Public Convenience and Necessity for and authorizing the acquisition of certain water pipeline easements and temporary construction easements and certain fee estates for the Alliance Regional Water Authority, Phase 1B Water Line Project in connection therewith, over, across, upon and under certain privately owned real estate properties; authorizing all appropriate actions by the Board of Directors, staff, retained attorneys and engineering and technical consultants in the institution and prosecution of condemnation proceedings to acquire any such needed fee estates and easements and temporary construction easements and related rights of ingress and egress that cannot be acquired through negotiation; declaring further negotiations futile; ratifying and affirming all acts and proceedings heretofore done or initiated by employees, agents, and attorneys of ARWA to acquire such property interests including necessary acts for any applicable lienholders for such properties; authorizing all other lawful action necessary and incidental to such acquisitions or eminent domain proceedings to survey, specify, define, and secure the necessary interests in real property; declaring the sections of the resolution to be severable one from the other in the event any section of the resolution is determined to be invalid; establishing an effective date; and finding and determining that the meeting at which this resolution is passed was noticed and is open to the public as required by law.*

K. ADJOURNMENT

NOTE: *The Board of Directors 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 Board of Directors may also publicly discuss any item listed on the agenda for Executive Session.*

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A. CALL TO ORDER

No Backup Information for this Item.

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B. ROLL CALL

NAME	TERM ENDS	PRESENT
Mayor Jane Hughson – Vice-Chair (San Marcos)	April 2023	
Mike Taylor (CRWA - General Manager, Crystal Clear SUD)	April 2023	
Brian Lillibridge (Kyle – Asst. Public Works Director)	April 2021	
Blake Neffendorf – Treasurer (Buda – Water Resources Coordinator)	April 2023	
Councilmember Mark Rockeymoore (San Marcos)	April 2022	
Humberto Ramos (CRWA – Water Resources Director)	April 2021	
James Earp – Secretary (Kyle – Assistant City Manager)	April 2021	
Tom Taggart (San Marcos – Executive Director of Public Services)	April 2021	
Chris Betz – Chair (CRWA - President, County Line SUD)	April 2022	
Councilmember Tracy Scheel (Kyle)	April 2021	
Jon Clack (San Marcos – Assistant Director of Public Services)	April 2022	
Pat Allen (CRWA - General Manager, Green Valley SUD)	April 2023	
Vacant (San Marcos)	April 2022	

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- C.** PUBLIC COMMENT PERIOD (Note: Each person wishing to speak must register with the Executive Director at info@alliancewater.org before 3:00 p.m.)
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D. CONSENT AGENDA

Items D.1 and D.2 are presented as part of the consent agenda.

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D.1 Consider approval of minutes of the Regular Meeting held October 28, 2020. ~
Graham Moore, P.E., Executive Director

Attachment(s)

- 2020 10 28 Board Meeting Minutes

Board Decision(s) Needed:

- Approval of minutes.



Alliance Regional Water Authority

BOARD MEETING

MINUTES

Monday, October 28, 2020

The following represents the actions taken by the Board of Directors of the Alliance Regional Water Authority (ARWA) in the order they occurred during the meeting. The Board of Directors convened in a meeting on Wednesday, October 28, 2020 via conference call in accordance with Governor Abbott's Executive Order declaring the COVID-19 public health threat and temporarily suspending certain provisions of the Texas Open Meetings Act.

- A. CALL TO ORDER.
The Alliance Water Board Meeting was called to order at 3:00p.m. by Mr. Betz.

- B. ROLL CALL.
 - **Present: Hughson, Taylor, Samford, Neffendorf, Ramos, Earp, Betz, Clack, Allen and Neel with Rockeymoore arriving in Item G and Scheel leaving after Item J.1.**
 - **Absent: None.**

- C. PUBLIC COMMENT PERIOD
 - **None.**

- D. CONSENT AGENDA
 - D.1 Consider approval of minutes of the Regular Meeting held September 23rd, 2020.
 - D.2 Consider approval of the financial report for September 2020.
 - D.3 Consider approval of the Quarterly Investment Report for the period ending on September 30, 2020.
 - **Motion to approve the consent agenda items D.1 through D.3 as presented was made by Mr. Taylor, seconded by Mr. Allen and approved on a 11-0 vote.**

Items F.1 through F.4 were not opened for discussion.

- F.1 Report on Technical Committee activities. ~ *Graham Moore, P.E., Executive Director*
- F.2 Update and possible direction to Staff regarding the status of the Authority's Phase 1A projects, and direction to staff and consultants. ~ *Jason Biemer, Director of Operations*
- F.3 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*

G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS

- **No action.**

H. ITEMS FOR ACTION OR DISCUSSION/DIRECTION

- H.1 Consideration and action with respect to Resolution 2020-10-28-001 by the Board of Directors of the Alliance Regional Water Authority Authorizing the Issuance of Alliance Regional Water Authority Contract Revenue Bonds (Regional Water Supply Contract Project – Canyon Regional Water Authority), Series 2020A; and Resolving Other Matters Incident and Relating to the Issuance, Payment, Security, Sale and Delivery of Such Bonds.
 - **Motion to adopt Resolution 2020-10-28-001 authorizing the issuance of contract revenue bonds Series 2020A as presented was made by Mr. Ramos, seconded by Mr. Rockeymoore and approved on a 12-0 vote.**
- H.2 Consideration and action with respect to Resolution 2020-10-28-002 by the Board of Directors of the Alliance Regional Water Authority Authorizing the Issuance of Alliance Regional Water Authority Contract Revenue Bonds (Regional Water Supply Contract Project – City of Kyle, Texas), Series 2020B; and Resolving Other Matters Incident and Relating to the Issuance, Payment, Security, Sale and Delivery of Such Bonds.
 - **Motion to adopt Resolution 2020-10-28-002 authorizing the issuance of contract revenue bonds Series 2020B as presented was made by Ms. Scheel, seconded by Ms. Hughson and approved on a 12-0 vote.**

- H.3 Consideration and action with respect to Resolution 2020-10-28-003 by the Board of Directors of the Alliance Regional Water Authority Authorizing the Issuance of Alliance Regional Water Authority Contract Revenue Bonds (Regional Water Supply Contract Project – City of San Marcos, Texas), Series 2020C; and Resolving Other Matters Incident and Relating to the Issuance, Payment, Security, Sale and Delivery of Such Bonds.
- **Motion to adopt Resolution 2020-10-28-003 authorizing the issuance of contract revenue bonds Series 2020C as presented was made by Ms. Hughson, seconded by Mr. Rockyemore and approved on a 12-0 vote.**
- H.4 Consideration and action with respect to Resolution 2020-10-28-004 by the Board of Directors of the Alliance Regional Water Authority Authorizing the Issuance of Alliance Regional Water Authority Contract Revenue Bonds (Regional Water Supply Contract Project – City of Buda, Texas), Series 2020D; and Resolving Other Matters Incident and Relating to the Issuance, Payment, Security, Sale and Delivery of Such Bonds.
- **Motion to adopt Resolution 2020-10-28-004 authorizing the issuance of contract revenue bonds Series 2020D as presented was made by Mr. Ramos, seconded by Mr. Taylor and approved on a 12-0 vote.**
- H.5 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Program Cost Estimates & Schedules.
- **Mr. Sowa provided updates on the Phase 1B Program cost estimates and schedules.**
 - **Mr. Neffendorf inquired if USACE comments were only applicable to Segment A.**
 - **Mr. Sowa responded that the comments were provided on Segment A, but they have been extrapolated to account for the other projects.**
 - **Mr. Neffendorf stated that it would be helpful if the budget update tables included the percent complete status.**
 - **Mr. Rockeyemore asked why the costs for Segment D increase so much.**
 - **Mr. Sowa noted that the consultant reviewed recent data and felt that the contractor installation costs were rising significantly on some of their projects.**
 - **Mr. Neffendorf asked what the maximum TWDB funding the Authority has access to.**
 - **Mr. Moore responded that with action taken earlier in the meeting, the total funding available is \$240 million.**
 - **No Action.**

- H.6 Consider adoption of Resolution 2020-10-28-005 approving Work Order #3 with Pape-Dawson Engineering, Inc. for Construction Management and Inspection Services related to the Phase 1B Program.
- **Motion to adopt Resolution 2020-10-28-005 approving Work Order #3 with Pape-Dawson Engineering, Inc. for Construction Management and Inspection Services related to the Phase 1B Program as presented was made by Mr. Taylor, seconded by Ms. Neel and approved on a 12-0 vote.**
- H.7 Consider adoption of Resolution 2020-10-28-006 approving an Agreement for Emergency Interconnect of Water Systems and Emergency Water Transfer with Canyon Regional Water Authority.
- **Mr. Moore discussed the reason for the agreement.**
 - **Mr. Samford asked how will the delivery valve be controlled and can it impact the ability of others to take water.**
 - **Mr. Moore responded that the SCADA system will monitor flow rates (gallons per minute) and daily totals to ensure that contractually amounts are not exceeded without prior approval so that others will not be impacted.**
 - **Motion to adopt Resolution 2020-10-28-006 approving an Agreement for Emergency Interconnect of Water Systems and Emergency Water Transfer with Canyon Regional Water Authority as presented was made by Mr. Ramos, seconded by Mr. Taylor and approved on a 12-0 vote.**
- H.8 Consider adoption of Resolution 2020-10-28-007 approving an amended Property Acquisition Policy.
- **Mr. Moore presented the suggested amendments to the Property Acquisition Policy.**
 - **Mr. Rockey Moore inquired if the Authority is likely to pay less for the property with the use of Possession and Use Agreements.**
 - **Mr. Moore responded that that is not likely.**
 - **Motion to adopt Resolution 2020-10-28-007 approving an amended Property Acquisition Policy as presented was made by Mr. Taylor, seconded by Ms. Scheel and approved on a 12-0 vote.**
- H.9 Discussion and possible direction to Staff regarding the Authority's priorities for the upcoming Texas 87th Legislative Session.
- **Scott Miller and Jeff Heckler with Texas Solutions Group attended the meeting and updated the Board on recent Texas political activities and possible issues that will be considered in the next legislative session.**
 - **Mr. Moore discussed the items in the packet that includes possible issues that the Authority may wish to pursue in the next session.**

- **The Board noted that they would like to pursue a bill that would allow for hybrid in-person and virtual meetings for water authorities and also aquifer storage and recovery in the San Antonio portion of the Edwards Aquifer.**
 - **Staff will review possible legislation, and will prepare legislative priorities for approval by the Board at an upcoming meeting.**
 - **No Action.**
- I. BOARD MEMBER ITEMS OR FUTURE AGENDA ITEMS
- **None.**
- J.1 The Board of Directors recessed into Executive Session at 4:17 p.m. pursuant of the Government Code, Section 551.071, to seek the General Counsel's advice regarding matters involving attorney-client privilege, and/or Section 551.072 to discuss water supply project partnership options. The Board of Directors reconvened from Executive Session at 4:38 p.m.
- J.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.**
 - D. Consideration of Resolution 2020-10-28-008 finding Public Convenience and Necessity for and authorizing the acquisition of certain water pipeline easements and temporary construction easements and certain fee estates for the Alliance Regional Water Authority, Phase 1B Water Line Project in connection therewith, over, across, upon and under certain privately owned real estate properties; authorizing all appropriate actions by the Board of Directors, staff, retained attorneys and engineering and technical consultants in the institution and prosecution of condemnation proceedings to acquire any such needed fee estates and easements and temporary construction easements and related rights of ingress and egress that cannot be acquired through negotiation; declaring further negotiations futile; ratifying and affirming all acts and proceedings heretofore done or initiated by employees, agents, and attorneys of ARWA to acquire such property interests including necessary acts for any applicable lienholders for such properties; authorizing all other lawful action necessary and incidental to such acquisitions or eminent domain proceedings to survey, specify, define, and secure the necessary interests in real property; declaring the sections of the resolution to be severable one from the other in the event any section of the resolution is determined to be invalid; establishing an effective date;

and finding and determining that the meeting at which this resolution is passed was noticed and is open to the public as required by law.

- **Motion to adopt Resolution 2020-10-28-008 finding Public Convenience and Necessity and authorizing Eminent Domain Proceedings, if necessary, for acquisitions as presented was made by Mr. Taylor, seconded by Mr. Ramos and approved on a 11-0 vote.**

K. ADJOURNMENT

- **Meeting was adjourned at 4:40 p.m. based on the motion by Mr. Taylor, seconded by Ms. Neel on a 11-0 vote.**

APPROVED: _____, 2020

ATTEST:

Chair, Board of Directors

Secretary, Board of Directors

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Alliance Regional Water Authority Board of Directors

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D.2 Consider approval of the financial report for October 2020. ~ *Graham Moore, P.E., Executive Director*

Background/Information

Attached is the financial report for the period ending in October 2020.

Attachment(s)

- 2020 10 31 Financial Report

Board Decision(s) Needed:

- Approval of the financial report for the period ending October 2020.



Alliance Regional Water Authority

**Financial Statements
(Compilation)**

**For the One Month Ended and Year-to-Date
October 31, 2020**

Alliance Regional Water Authority

Balance Sheet

As of October 31, 2020

Oct 31, 20

ASSETS

Current Assets

Checking/Savings

1004 - Broadway Bank

1005 - Broadway Checking (8040)

1010 - Broadway Savings (4415)

Total 1004 - Broadway Bank

1015 - TexStar (3310)

1050 - Broadway Bank (Reserved)

1051 - CRWA Debt Service (2785)

1052 - Kyle Debt Service (2787)

1055 - San Marcos Debt Service (6390)

1056 - Buda Debt Service (6391)

Total 1050 - Broadway Bank (Reserved)

1100 - Escrow Accounts

1105 - BOKF, Escrow, CRWA Series 2015A

1106 - BOKF, Escrow, Kyle Series 2015B

1107 - BOKF, Escrow, CRWA Series 2017A

1108 - BOKF, Escrow, Kyle Series 2017B

1109 - BOKF, Escrow, SM Series 2017C

1110 - BOKF, Escrow, Buda Series 2017D

1111 - BOKF, Escrow, CRWA Series 2019A

1112 - BOKF, Escrow, Kyle Series 2019B

1113 - BOKF, Escrow, SM Series 2019C

1114 - BOKF, Escrow, Buda Series 2019D

Total 1100 - Escrow Accounts

Total Checking/Savings

Total Current Assets

Fixed Assets

1405 - Engineering & Construction Cost

1420 - Projects in Progress (Cash)

1420-01 - Legal Support

1420-02 - Hydrogeologic Support

1420-03 - PCCD Permitting

1420-04 - Kyle Water Model

1420-11 - Legal Support, GBRA

Total 1420 - Projects in Progress (Cash)

1430 - Projects in Progress Eng (Cash)

1430-02 - Engineering - Plumbing Plan

1430-03 - Engineering Fees-ROW

1430-05 - Engineering - Rate Study

1430-06 - DPR Study

1430-07 - Alignment Study

1430-08 - Prelim Engineering-Well Field

1430-09 - GCUWCD Monitoring Wells

1430-10 - 2017 SWIFT Funding Apps

1430-11 - Blanco Basin WW

1430-12 - Phase 1B Programming

1430-13 - ARWA-GBRA MOU Study

1430-14 - Phase 1A GIS

Total 1430 - Projects in Progress Eng (Cash)

875,574.75

408,611.33

2,402,294.20

99,395,393.66

99,395,393.66

94,742,582.46

940,536.57

1,066,491.43

2,645,783.20

2,664,803.91

-19,020.71

2,645,783.20

312,281.57

251,578.62

316,147.88

60,528.50

4,244,947.56

30,514,165.62

23,943,677.41

26,255,396.55

450,963.67

3,337,958.37

2,592,101.10

2,846,453.37

221,908.79

335,010.02

17,663.79

11,594.69

34,635.00

59,880.00

261,120.80

65,586.00

192,607.50

23,107.96

41,880.00

107,761.14

15,000.00

44,737.87

Alliance Regional Water Authority

Balance Sheet
As of October 31, 2020

Oct 31, 20

1440 - Projects in Prog Eng. (Finance)	530,939.14
1440-01 - Engineering-Phase 1A Pipeline	744,380.59
1440-02 - Engineering-Phase 1A Pump Stat	399,874.05
1440-03 - Engineering-ROW Acquisition	642,795.16
1440-04 - Phase 1A Const Observation	48,967.42
1440-05 - Phase 1A-Construction Trailer	1,734,150.32
1440-06 - Phase 1A Segment A Construction	4,888,392.60
1440-07 - Phase 1A BPS Construction	3,015,900.88
1440-08 - Phase 1A Segment B Construction	5,857,051.29
1440-15 - Land Acquisition Phase 1B	6,384,796.56
1440-16 - Phase 1B-Owners Rep	1,968,816.41
1440-17 - Phase 1B Environmental	2,125,472.84
1440-18 - Phase 1B Segment A Design	1,651,766.58
1440-19 - Phase 1B Segment B Design	669,570.41
1440-20 - Phase 1B Segment C Design	1,409,239.46
1440-21 - Phase 1B Segment D Design	607,559.85
1440-22 - Phase 1B Segment E Design	499,890.94
1440-23 - Phase 1B Land Attorney	165,963.15
1440-24 - Phase 1B Hydrogeology	3,091,373.96
1440-25 - Phase 1B WTP Design	1,229,695.50
1440-26 - Raw Water Infr.	2,452,800.00
1440-27 - Phase 1B Program Survey	1,471,420.71
1440-28 - Phase 1B BPS Design	1,000,000.00
1440-29 - GVEC Construction-in-Aid	39,483.73
1440-30 - Phase 1B Inline Tanks	89,689.56
1440-31 - Construction Mgmt & Inspection	38,000.00
1440-32 - Phase 1B Construction ARWA Only	42,757,991.11
1447 - Land & Easements	943,215.70
1448 - Capitalized Interest	
1448-51 - Cap Interest, CRWA Series 2015A	152,369.03
1448-52 - Cap Interest, Kyle Series 2015B	222,143.28
1448-53 - Cap Interest, CRWA Series 2017A	127,269.80
1448-54 - Cap Interest, Kyle Series 2017B	116,100.88
1448-55 - Cap Interest, SM Series 2017C	65,904.35
1448-56 - Cap Interest, Buda Series 2017D	9,576.21
Total 1448 - Capitalized Interest	693,363.55
1505 - Landowner Bonus Payments	1,043,191.83
1510 - GWWater Lease Acquisition Costs	1,004,905.76
1599 - Accumulated Amortization	-2,048,097.59
Total Fixed Assets	48,081,050.64
Other Assets	23,797.09
1900 - Deferred Outflow	23,797.09
Total Other Assets	23,797.09
TOTAL ASSETS	147,500,241.39
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Credit Cards	
2006 - Chase Bank VISA Card	2,306.65
Total Credit Cards	2,306.65
Other Current Liabilities	
2100 - Payroll Liabilities	-51.60
2102 - 401(a) Liability	4,114.10
2103 - Net Pension Liability	4,718.00
2104 - Pension Deferred Inflows	82.00
2106 - Accrued Vacation	29,343.80
2300 - Accrued Costs	330,643.18

Alliance Regional Water Authority

Balance Sheet

As of October 31, 2020

Oct 31, 20

12,303.75	2351 · Accrued Int Payable, CRWA 2015A
17,934.90	2352 · Accrued Int Payable, Kyle 2015B
48,658.65	2353 · Accrued Int Payable, CRWA 2017A
44,374.05	2354 · Accrued Int Payable, Kyle 2017B
36,150.40	2355 · Accrued Int Payable, SM 2017C
5,141.25	2356 · Accrued Int Payable, Buda 2017D
114,058.00	2357 · Accrued Int Payable, CRWA 2019A
104,069.05	2358 · Accrued Int Payable, Kyle 2019B
85,896.90	2359 · Accrued Int Payable, SM 2019C
12,183.55	2360 · Accrued Int Payable, Buda 2019D
480,770.50	Total 2350 · Accrued Interest Payable
849,919.98	Total Other Current Liabilities
852,226.63	Total Current Liabilities
3,220,000.00	2501 · Bond Payable, CRWA Series 2015A
3,170,000.00	2502 · Bond Payable, Kyle Series 2015B
9,340,000.00	2503 · Bond Payable, CRWA Series 2017A
8,515,000.00	2504 · Bond Payable, Kyle Series 2017B
10,365,000.00	2505 · Bond Payable, SM Series 2017C
1,475,000.00	2506 · Bond Payable, Buda Series 2017D
26,530,000.00	2507 · Bond Payable, CRWA Series 2019A
24,200,000.00	2508 · Bond Payable, Kyle Series 2019B
30,800,000.00	2509 · Bond Payable, SM Series 2019C
4,370,000.00	2510 · Bond Payable, Buda Series 2019D
121,985,000.00	Total Long Term Liabilities
122,837,226.63	Total Liabilities
8,200,007.29	Equity
16,754,285.22	2925 · Net Investment in Capital Asset
-291,277.75	2950 · Retained Earnings
24,663,014.76	Total Equity
147,500,241.39	TOTAL LIABILITIES & EQUITY

Alliance Regional Water Authority

Profit Loss

For the One Month and One Month Ended October 31, 2020

	October 2020	October 2020	
	0.00	0.00	4010 · Project Contribution
	0.00	0.00	4011 · City of San Marcos
	0.00	0.00	4012 · City of Kyle
	0.00	0.00	4013 · City of Buda
	0.00	0.00	4014 · Canyon Regional Water Authority
	0.00	0.00	4015 · GBRA
	0.00	0.00	Total 4010 · Project Contribution
	0.00	0.00	4200 · Shared Water
	0.00	0.00	4210 · Shared Water, City of Buda
	0.00	0.00	Total 4200 · Shared Water
	0.00	0.00	4250 · Non Potable Water Sales
	0.00	0.00	4300 · Broadway Interest Income
	30.04	30.04	4311 · City of San Marcos
	23.39	23.39	4312 · City of Kyle
	2.83	2.83	4313 · City of Buda
	27.19	27.19	4314 · Canyon Regional Water Authority
	83.45	83.45	Total 4300 · Broadway Interest Income
	5.51	5.51	4350 · Escrow Accounts Income
	3.65	3.65	4351 · BOKF, CRWA Series 2015A
	49.94	49.94	4352 · BOKF, Kyle Series 2015B
	45.48	45.48	4353 · BOKF, CRWA Series 2017A
	58.55	58.55	4354 · BOKF, Kyle Series 2017B
	7.91	7.91	4355 · BOKF, SM Series 2017C
	460.60	460.60	4356 · BOKF, Buda Series 2017D
	420.05	420.05	4357 · BOKF, CRWA Series 2019A
	535.32	535.32	4358 · BOKF, Kyle Series 2019B
	74.47	74.47	4359 · BOKF, SM Series 2019C
	1,661.48	1,661.48	4360 · BOKF, Buda Series 2019D
	59.38	59.38	Total 4350 · Escrow Accounts Income
	46.65	46.65	4370 · TexStar Interest Income
	8.41	8.41	4371 · City of San Marcos
	51.15	51.15	4372 · City of Kyle
	165.59	165.59	4373 · City of Buda
	1,910.52	1,910.52	4374 · Canyon Regional Water Authority
	165.59	165.59	Total 4370 · TexStar Interest Income
	1,910.52	1,910.52	Total Income
	0.00	0.00	6000 · Groundwater Reservation Costs
	0.00	0.00	6010 · Shared Water Costs
	0.00	0.00	6015 · Shared Water, City of Kyle
	0.00	0.00	6020 · Shared Water, City of San Marcos
	0.00	0.00	Total 6010 · Shared Water Costs
	0.00	0.00	7125 · Auditing fees
	306.63	306.63	7210 · Bank Fees
	0.00	0.00	7220 · Escrow and Paying Agent Fees
	0.00	0.00	Expenses

Alliance Regional Water Authority

Profit Loss

For the One Month and One Month Ended October 31, 2020

	October 2020	October 2020
7240 · Bond Issue Costs	9,500.00	9,500.00
7240-11 · Bond Issue Costs - CRWA 2020A	9,500.00	9,500.00
7240-12 · Bond Issue Costs - Kyle 2020B	9,500.00	9,500.00
7240-13 · Bond Issue Costs - SM 2020C	9,500.00	9,500.00
7240-14 · Bond Issue Costs - Buda 2020D	6,225.00	6,225.00
Total 7240 · Bond Issue Costs	34,725.00	34,725.00
7250 · Interest Expense	4,921.50	4,921.50
7250-51 · Interest Expense - CRWA 2015A	7,173.96	7,173.96
7250-52 · Interest Expense - Kyle 2015B	19,463.46	17,749.62
7250-53 · Interest Expense - CRWA 2017A	14,460.16	2,056.50
7250-54 · Interest Expense - Kyle 2017B	45,623.20	41,627.62
7250-55 · Interest Expense - SM 2017C	45,623.20	41,627.62
7250-56 · Interest Expense - Buda 2017D	34,358.76	4,873.42
7250-57 · Interest Expense - CRWA 2019A	6,455.00	6,455.00
7250-58 · Interest Expense - Kyle 2019B	667.80	667.80
7250-59 · Interest Expense - SM 2019C	0.00	0.00
7250-60 · Interest Expense - Buda 2019D	0.00	0.00
Total 7250 · Interest Expense	192,308.20	192,308.20
7325 · Dues	0.00	0.00
7350 · Insurance - Liability, E&O	0.00	0.00
7400 · Legal Fees	0.00	0.00
7410 · Newspaper Public Notices	0.00	0.00
7425 · Contract Services-Lobbyist	12,000.00	12,000.00
7430 · Agency Mgmt Public Relations	0.00	0.00
7440 · Region L Contributions	0.00	0.00
7450 · Permit & Fees	0.00	0.00
7500 · Supplies	1,601.42	1,601.42
7530 · Printing & Copying	0.00	0.00
7600 · Telephone, Telecommunications	176.61	176.61
7700 · Travel, Conferences & Meetings	255.59	255.59
7800 · Employee Expenses	35,903.45	35,903.45
7810 · Salaries and wages	1,453.86	1,453.86
7820 · Auto Allowance	311.55	311.55
7821 · Phone Allowance	2,261.93	2,261.93
7830 · Payroll taxes	2,188.44	2,188.44
7840 · Employee Insurance	2,572.79	2,572.79
7850 · Retirement	44,692.02	44,692.02
Total 7800 · Employee Expenses	44,692.02	44,692.02
Total Expenses	293,188.27	293,188.27
Net Ordinary Income	-291,277.75	-291,277.75
Net Income	-291,277.75	-291,277.75

**Alliance Regional Water Authority
Chase VISA Credit Card Transactions**

Split	Amount	Balance	Name	Date	Type
7500 - Supplies	28.15	5,116.94	Squarespace Inc	09/26/2020	Credit Card Charge
7500 - Supplies	36.00	5,152.94	UPS Store	09/28/2020	Credit Card Charge
7500 - Supplies	18.17	5,171.11	Godaddy.com	09/30/2020	Credit Card Charge
7700 - Travel, Conferenc...	42.96	5,214.07	54th Street	09/30/2020	Credit Card Charge
7500 - Supplies	12.00	5,226.07	UPS Store	10/01/2020	Credit Card Charge
7500 - Supplies	18.17	5,244.24	Stamps Com	10/02/2020	Credit Card Charge
7210 - Bank Fees	3.82	5,248.06	Texas Workforce Commission	10/02/2020	Credit Card Charge
1199 - Cash in Transit	129.60	5,377.66	Texas Workforce Commission	10/02/2020	Credit Card Charge
7700 - Travel, Conferenc...	49.74	5,427.40	Schlitzsky's	10/03/2020	Credit Card Charge
7500 - Supplies	17.98	5,445.38	Printing Solutions	10/05/2020	Credit Card Charge
7500 - Supplies	623.40	6,068.78	ARC Austin	10/06/2020	Credit Card Charge
7500 - Supplies	79.97	6,148.75	Office Depot	10/07/2020	Credit Card Charge
7500 - Supplies	158.71	6,307.46	Solve Networks	10/10/2020	Credit Card Charge
7500 - Supplies	197.00	6,504.46	Rackspace	10/10/2020	Credit Card Charge
7500 - Supplies	256.65	6,760.11	United Site Service	10/12/2020	Credit Card Charge
1440-05 - Phase 1A-Con...	598.45	7,358.56	Williams Scotsman	10/12/2020	Credit Card Charge
7500 - Supplies	64.91	7,423.47	Home Depot	10/15/2020	Credit Card Charge
7500 - Supplies	12.00	7,435.47	UPS Store	10/16/2020	Credit Card Charge
7500 - Supplies	233.82	7,669.29	Squarespace Inc	10/16/2020	Credit Card Charge
7500 - Supplies	4.98	7,674.27	HEB	10/16/2020	Credit Card Charge
7500 - Supplies	7,358.56	315.71	Chase	10/16/2020	Check
1005 - Broadway Checki...	111.40	427.11	Rackspace	10/17/2020	Credit Card Charge
7500 - Supplies	29.67	456.78	HEB	10/19/2020	Credit Card Charge
7500 - Supplies	174.77	631.55	Jason's Deli	10/19/2020	Credit Card Charge
7700 - Travel, Conferenc...	37.41	668.96	Lowes	10/19/2020	Credit Card Charge
7500 - Supplies	1,430.00	2,098.96	Texas Water Conservation Assn.	10/21/2020	Credit Card Charge
7325 - Dues	31.08	2,130.04	Schlitzsky's	10/21/2020	Credit Card Charge
7700 - Travel, Conferenc...	176.61	2,306.65	Verizon	10/23/2020	Credit Card Charge
	-2,782.14	2,306.65			
	-2,782.14	2,306.65			

TOTAL
Total 2006 - Chase Bank VISA Card

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- E.1** Update on recent Public Relations activities and future plans. *Concept Development & Planning, LLC (CD&P)*
-

Background/Information

Attached is a summary of Concept Development & Planning's (CD&P) recent public relations efforts on behalf of the Authority and their goals. They will attend the meeting and will summarize their efforts and respond to any Board member questions.

Attachment(s)

- 2020 11 – Public Relations Program Goals

Board Decision(s) Needed:

- None.

PUBLIC RELATIONS PROGRAM GOALS

Strengthen Alliance Water brand presence and recognition among key audiences.

- Leaseholders
- Stakeholders impacted by construction
- Ratepayers
- Partners/members
- Regional Policy Makers (i.e. county & state elected officials)

Further develop the Alliance Water voice with coordinated communication tools.

- Brand Guidelines
- Website
- Social media
- Informational brochures and fact sheets
- Emails, letters, or other stakeholder connections
- Maps, images and infographics

Update messaging, maintain relevance, and ensure cohesive communications.

Continue to build the Alliance Water audience and community.

- Develop email database to share updates
- Social media
- Spanish language presence

Develop campaigns and content to share throughout channels.




- Stewardship
- Activities and updates
- Raise awareness of projects—past and upcoming
- Share relevant information consistently

Support Alliance Water as needed in current and future initiatives.

- Presentations
- Legislative initiatives
- Partnerships

Method




Develop a voice and maintain a social media presence for Alliance Water.

-  Facebook
-  Twitter
-  Instagram

Approach

Weekly posting across all platforms.

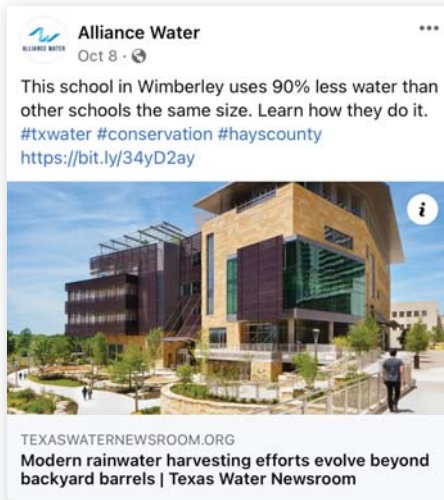
Main themes:

-  Conservation & Education
-  Alliance Water & Project Updates
-  In the News

Social Media Highlights and Examples

Facebook

Highlight: Impressions increased by 41%



Twitter

Highlight: Profile visits increased by 57%



Instagram

Highlight: 30 new followers

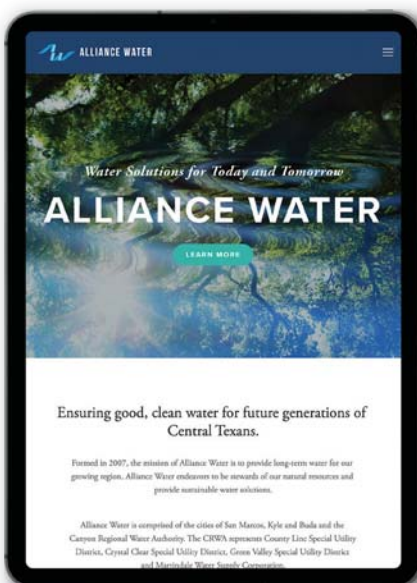


Sample Facebook, Twitter and Instagram posts developed as part of Alliance Water communication strategy.

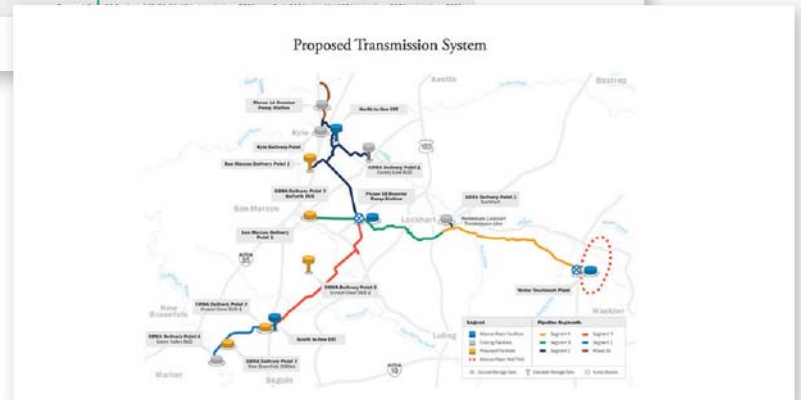
Method

Develop content and provide updates to engage and inform stakeholders.

Approach



PROJECT	PROJECT HIGHLIGHTS	65% DESIGN SUBMITTAL	90% DESIGN SUBMITTAL	BIDDING STARTS	CONSTRUCTION STARTS	CONSTRUCTION END
Wall Building	4 Conduit Walls	✓	✓	✓	Mid 2020	Early 2022
Water Treatment Plant	20-MGD Plant	✓	✓	Mid 2020	Mid 2021	Mid 2023
Segment A	36.7 miles 48" 42 inch	✓	✓	Mid 2020	Early 2021	Early 2023
Segment B	36 miles of 42" 30-inch	✓	✓	Late 2020	Early 2021	Mid 2021
Booster Pump Station/DB	Dist Station w/ 4 MG DBT	✓	✓	Late 2020	Early 2021	Mid 2021
Segment D	33 miles of 42 inch	✓	✓	Late 2020	Early 2021	Mid 2021
Segment E	8.2 miles of 36-inch	Late 2020	Early 2021	Mid 2021	Late 2021	Mid 2023



Visual and informational elements support Alliance Water projects on alliancewater.org.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

F.1 Report on Technical Committee activities. ~ *Graham Moore, P.E., Executive Director*

Background/Information

Below are brief updates on the Phase 1A projects.

Segment A Pipeline:

- None.

Segment B Pipeline:

- Construction completed.
- Disinfection 11/13/2020.
- Flushing 11/17/2020.
- Bacterial results expected by 11/20/20.
- Pipeline will be service ready once passing bacteriological tests are received.

Pump Station:

- Damaged systems related to lightning strike anticipated to be repaired by on the week of December 1st.

Board Decision(s) Needed:

- None.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

F.2 Update and discussion regarding the status of the Authority's Phase 1A projects, and direction to staff and consultants. ~ *Jason Biemer, Project Coordinator*

Background/Information

A Technical Committee meeting was note held in November.

Board Decision(s) Needed:

- Approval of minutes.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- F.3** 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 Capital Area Planning Group activities.
-

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD met on September 10th. No items affecting the Authority were discussed at the meeting.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on November 17th. No items affecting the Authority are on the agenda.

Groundwater Management Area 13

The GMA-13 held a meeting on Friday, November 13th. The technical consultant updated the group on their study of subsidence (low risk), socioeconomic impacts (same as Region Planning), and private property rights impacts. The next step is to determine draw down versus pumpage between the last round of DFCs and the most recent actual data.

Region L Planning Group

Region L held a meeting on November 5th. The group elected Tim Andruss from the Victoria County Groundwater Conservation District as the new Chair. Humberto Ramos was also appointed to the Executive Committee. This meeting served as the start of the next 5-year planning cycle.

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

No update.

Board Decision(s) Needed:

- None.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS** - Update on future meeting dates, locations, status of Authority procurements, Executive Director activities, other operational activities and the status of legal issues, where no action is required. ~ *Graham Moore, P.E., Executive Director / Mike Gershon, Lloyd Gosselink Rochelle & Townsend, P.C.*

EXECUTIVE DIRECTOR

Log and Calendar of Events

- Attached is the log of activities for October along with the 3-month look ahead calendar for the Executive Director.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- H.1** Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *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 – November 18, 2020
- Kimley-Horn Monthly Summary of Activities for October 2020

Board Decision(s) Needed:

- None.



Phase 1B Program Update

Board of Directors Meeting
November 18, 2020

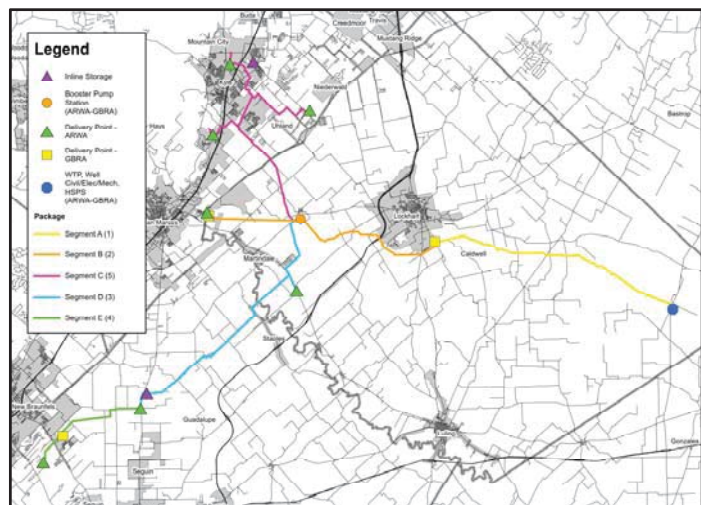


Kimley»Horn

Ongoing Progress

Design Milestone Review

- November
 - Pipeline Segment D (90%)
 - Water Treatment Plant (100%)
 - Pipeline Segment C (60%)
- December
 - Pipeline Segment E (60%)
 - Pipeline Segment A (100%)
 - Booster Pump Station (100%)



Kimley»Horn

Ongoing Progress

Status of TCEQ Exception Submittals

- Segment A
 - Conditional approval received
- Segment B
 - Conditional approval received
- Water Treatment Plant
 - Submitted to TCEQ in August, under review
- Booster Pump Station / Delivery Points
 - Submitted to TCEQ in September, under review
- Segment D
 - Under Program Review

Texas Water Development Board Update

- Release of Funds
 - 2017 Loan
 - ROF No. 9 Submitted
 - Multiple Planning Phase Contracts
 - 2019 Loan
 - ROF No. 2 Submitted
 - Multiple Design Phase Contracts



Kimley»Horn

Pipeline Easement Acquisition Status

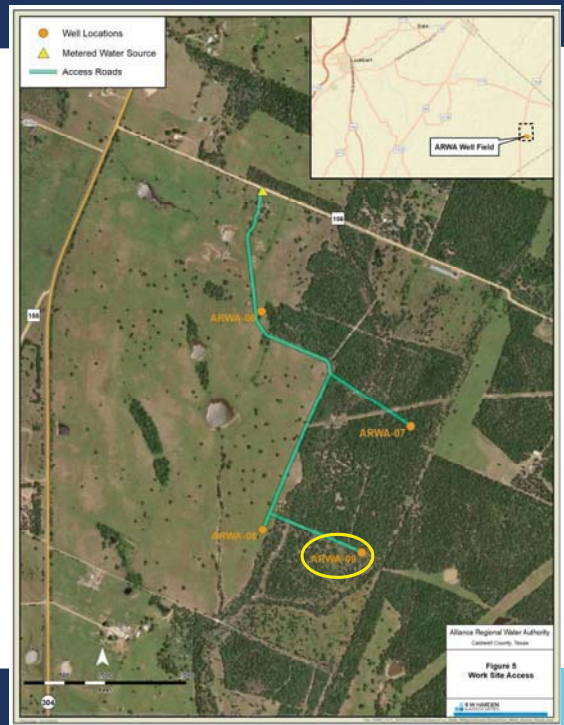
Pipeline Segment	Number of Parcels	Appraisals Prepared	Initial Offer Letter Delivered	Final Offer Letter Delivered	Purchase Agreement Signed / Easement Closed	Approved for Condemnation
A	39	37	37	22	15	11
B	50	41	39	32	2	26
D	62	56	52	22	14	1
C	84	14	13	0	1	0
E	38	18	11	2	1	0
Wellfield	19	0	0	0	0	0
Total	292	166	152	78	33	38



Kimley»Horn

Well Drilling Construction Progress

- Actual Progress (last 30 days)
 - Well No. 9 drilled and cased
 - Pilot Holes drilled at other 3 wells
- Anticipated Progress (next 30 days)
 - Site No. 9
 - Screen installation
 - Sampling before Thanksgiving
 - Site No. 8
 - Mobilize and begin staging



Well Field Construction Update



Photo Credit:
Jim Tolles

Well No. 9 Drill Setup



Kimley»Horn

Well Field Construction Update



Photo Credit:
Jim Tolles

Well No. 9 Drilling Activity



Kimley»Horn

Budget Update



Kimley»Horn

Cost Allocation for Combined Program

Construction Package	ORIGINAL		REVISED	
	ARWA (%)	GBRA (%)	ARWA (%)	GBRA (%)
WTP Construction	53.50	46.50	45.00 41.23	55.00 58.77
SCADA	50.00	50.00	50.00	50.00
BPS Construction	63.30	36.70	63.00 56.00	37.00 44.00
Inline EST Construction	75.00	25.00	75.17	24.83
GBRA Delivery Meter Stations	50.00	50.00	50.00	50.00
Pipeline Segments A Construction	60.00	40.00	56.80	43.20
Pipeline Segment B1 Construction	65.22	34.78	61.90	38.10
Pipeline Segment B2 Construction	69.20	30.80	76.19	23.81
Pipeline Segment D1 Construction	75.17	24.83	75.17	24.83
Pipeline Segment D2 Construction	74.58	25.42	74.58	25.42
Pipeline Segment E Construction	65.22	34.78	65.22	34.78
Land Acquisition, Engineering, Other Support Services	50.00	50.00	50.00	50.00
TOTAL	60.30	39.70	58.37	41.63

NOVEMBER 2020 UPDATE

COST UPDATES BASED ON SEPTEMBER MILESTONE SUBMITTALS

Submittal (%)	Construction Package	ORIGINAL	REVISED		DIFFERENCE	
		ARWA Total Projected Cost	ARWA Total Projected Cost	UPDATE	UPDATE	UPDATE
	Combined Program Infrastructure			UPDATE		UPDATE
90	Water Treatment Plant	\$ 24,500,000	\$ 28,900,000	26,900,000	\$ 4,400,000	2,400,000
90	SCADA Fiber Backbone	\$ 900,000	\$ 700,000	400,000	(\$ 200,000)	(500,000)
90	Booster Pump Station & GBRA Meter Stations	\$ 15,300,000	\$ 15,000,000	12,000,000	(\$ 300,000)	(3,300,000)
30	Inline EST (South)	\$ 3,600,000	\$ 3,500,000		(\$ 100,000)	
90	Pipeline Segment A	\$ 28,600,000	\$ 24,100,000	23,700,000	(\$ 4,500,000)	(4,900,000)
90	Pipeline Segment B	\$ 29,400,000	\$ 34,400,000	31,700,000	\$ 5,000,000	2,300,000
60	Pipeline Segment D	\$ 36,300,000	\$ 35,400,000	43,500,000	(\$ 900,000)	7,200,000
30	Pipeline Segment E	\$ 9,500,000	\$ 9,800,000		\$ 300,000	
	Subtotal	\$148,100,000	\$151,800,000	151,500,000	\$ 3,700,000	3,400,000
	ARWA-Only Infrastructure					
Const.	Wellfield	\$ 3,800,000	\$ 3,100,000		(\$ 700,000)	
90	Water Treatment Plant	\$ 2,600,000	\$ 2,600,000		No Change	
90	ARWA Delivery Points	\$ 6,100,000	\$ 6,900,000	5,500,000	\$ 800,000	(600,000)
30	Inline EST (North)	\$ 5,400,000	\$ 7,600,000		\$ 2,200,000	
90	Raw Water Infrastructure	\$ 7,400,000	\$ 11,500,000	10,100,000	\$ 4,100,000	2,700,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000		(\$ 100,000)	
30	Pipeline Segment C	\$ 64,500,000	\$ 68,700,000		\$ 4,200,000	
30	Pipeline Segment E	\$ 6,700,000	\$ 14,100,000		\$ 7,400,000	
	Subtotal	\$100,800,000	\$118,700,000	115,900,000	\$ 17,900,000	15,100,000
	Total	\$248,900,000	\$270,500,000	267,400,000	\$ 21,600,000	18,500,000
	Contingencies	\$65,900,000	\$58,900,000	52,100,000	(\$ 7,000,000)	(13,800,000)
	Total with Contingencies	\$314,800,000	\$329,400,000	319,500,000	\$ 14,600,000	4,700,000

NOVEMBER 2020 UPDATE

CHANGE FROM OCT. UPDATE = (\$ 2,300,000) TOTAL



Questions?



Kimley»Horn



Consulting Services



Kimley»Horn

Environmental Services

Work Order No. 7 (Time & Materials on an As-Needed Basis):

- Project Management (Additional Coordination and Meetings)
- Additional Investigations Required by US Army Corps of Engineers and Report Updates
- Phase II Investigations – 13 Parcels on Segments C and D
 - Soil sampling at each location
 - Temporary monitoring well will be installed if groundwater is present (proposal assumes install at all locations)
 - Asbestos and/or lead containing material investigation at one location
- Preparation of Letter Report

Maximum Not-to-Exceed Fee = \$399,829.00



Kimley»Horn

Questions?



Kimley»Horn

November 13, 2020

Project Monthly Summary

October 2020 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 the Technical Committee Update.
 - Prepared and presented Board Meeting Update.
 - Prepared and presented Project Advisory Committee Meeting Update.
 - Prepared for and held Monthly Status Meeting with Alliance Water.

- **Task 3 – Budgeting**
 - Prepared a draft TWDB Forecast Budget for ARWA’s review and feedback.
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
 - Continued development of projected Operation and Maintenance costs and addressed feedback received from ARWA.

- **Task 4 – Schedule**
 - Revised Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
 - Coordinated with Program team to integrate each project schedule into overall Program schedule. Developed the monthly Program schedule summary.
 - Provided a schedule quarterly update presentation to the Technical Committee, Board, and Project Advisory Committee.

- **Task 6 – Data Management**
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for right-of-entry process and alignment changes.

- **Task 7 – Environmental Management**
 - Coordinated with Program Environmental Consultant to prepare and finalize Work Order for additional fieldwork effort in response to United States Army Corps of Engineers comments.
 - Review the Segment A Hazmat Phase II reports prepared by the Environmental Consultant.
 - Continue coordination with the Program Environmental consultant to complete Hazmat Phase II report preparation.

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

- Continued coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
- Coordinated with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
- Coordinated with the Program Environmental Consultant to prepare a proposal for additional field work needs given the United States Army Corps of Engineers comments.
- Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segments C and E.
- 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.
- 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 A, B, C, D, and E 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 preparations for the next release of funds submittal to the TWDB.
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Review and address comments received from the Design Consultants concerning the Pipeline Construction Standards.
 - Finalized the Cathodic Protection Program Standards given feedback from the PAC and Design Consultants.
 - Revised and finalized the Security Standards given feedback from the PAC and Design Consultants.

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

- Revised the Fiber Standards given feedback from the PAC and Design Consultants.
- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continued coordination with Design Consultant for final design.
 - Segment B
 - Reviewed the Segment B 90% design submittal prepared by the Design Consultant.
 - Attended Segment B 90% Submittal Review Workshop.
 - Continued coordination with Design Consultant for final design.
 - Segment C
 - Continued coordination with Design Consultant for final design.
 - Backchecked the Draft 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
 - Segment D
 - Continued coordination with Design Consultant for final design.
 - Segment E
 - Continued coordination with Design Consultant for final design.
 - Backcheck reviewed the Draft 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Wellfield:
 - Continued coordination regarding the construction for Wells 6-9.
 - Raw Water Infrastructure:
 - Finalized review of the 90% design submittal prepared by the Design Consultant.
 - Continued coordination with Design Consultant for 90% design development.
 - Water Treatment Plant:
 - Finalized review of the 90% design submittal prepared by the Design Consultant.
 - Attended 90% Submittal Review Workshop.
 - Attended intermediary Final Design Workshop.
 - Continued coordination with Design Consultant for final design.
 - Booster Pump Station:
 - Coordinated with Design Consultant for final design.

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

- Inline Elevated Storage Tanks:
 - Continued coordination with Design Consultant for 30% design development.
- 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 ARWA and GVEC to develop agreement terms for service to the well field.
 - 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 County concerning variance request for the Site Development Permit.
 - Continued coordination with Caldwell and Guadalupe County TxDOT offices concerning roadway crossings.
 - Continued General Coordination with TxDOT.
 - Continued General Coordination with GVEC and BBEC.
 - On-going Permit Tracking Log Updates.
- Task 16 – Other Services
 - Performed contractor outreach regarding the Procurement Process, including obtaining input on the Competitive Sealed Proposal process and input on the current format of the ARWA contract document templates.
 - Finalized a sensitivity analysis of the Procurement Process analyzing evaluation criteria options given ARWA’s comments.
 - Provided a Procurement update presentation to the Technical Committee, Board, and Project Advisory Committee.
 - Coordinate with design consultants and construction management team regarding the ARWA contract document templates and Competitive Sealed Proposal process.
 - Finalized draft additional solar analysis and memo evaluating ARWA’s potential return on investment for solar power at the WTP property.
 - Commissioning Planning
 - Continued evaluating the commissioning of the Phase 1B infrastructure.
 - Evaluated the anticipated water volume required to commission the Phase 1B infrastructure.

November 2020 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 Project Advisory Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and hold Monthly Status Meeting with Alliance Water.

- Task 3 – Budgeting
 - Finalize the TWDB Forecast Budget for ARWA’s review and feedback.
 - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
 - Finalize development of projected Operation and Maintenance costs and address feedback received from ARWA.

- Task 4 – Schedule
 - Revise the Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
 - Coordinate with Program team to integrate each project schedule into overall Program schedule.

- Task 6 – Data Management
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for right-of-entry process and alignment changes.

- Task 7 – Environmental Management
 - Review the Segment A, B and D Hazmat Phase II reports prepared by the Environmental Consultant.
 - Continue coordination with the Program Environmental consultant to complete Hazmat Phase II report preparation.
 - Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
 - Coordinate with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
 - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment C and E.
 - 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.

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

- 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 A, B, C, D, and E 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
 - Submit next TWDB reimbursement funding release.
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Review and address comments received from the Design Consultants concerning the Pipeline Construction Standards.
 - Finalize the Cathodic Protection Program Standards.
 - Distribute finalized Security Standards given feedback from the PAC and Design Consultants.
 - Distribute finalized Fiber Standards given feedback from the PAC and Design Consultants.

- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continue coordination with Design Consultant for final design.
 - Finalize and submit the Final 30% Engineering Feasibility Report to the TWDB.
 - Segment B
 - Continue coordination with Design Consultant regarding for final design.
 - Finalize and submit the Final 30% Engineering Feasibility Report to the TWDB.

- Segment C
 - Begin review of the Segment C 60% design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
 - Continue coordination with Design Consultant for final design.
 - Finalize the 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Segment D
 - Continue coordination with Design Consultant for final design.
 - Segment E
 - Finalize and backcheck the 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continue coordination with Design Consultant for final design.
 - Wellfield:
 - Continue coordination regarding the construction of Wells 6-9.
 - Raw Water Infrastructure:
 - Continue coordination with Design Consultant regarding for final design.
 - Water Treatment Plant:
 - Coordinate with Design Consultant concerning Hydraulics/Surge development.
 - Continue coordination with Design Consultant for final design.
 - Booster Pump Station:
 - Finalize review of the 90% design submittal prepared by the Design Consultant.
 - Attend 90% Submittal Review Workshop.
 - Coordination with Design Consultant for final design.
 - Inline Elevated Storage Tanks:
 - Coordination with Design Consultant for 30% design development.
 - 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 ARWA and GVEC to develop agreement language for service to the well field.
 - Continue coordination with GVEC regarding electric service to the WTP and wellfield.

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

- Task 14 – Permit Coordination/Tracking
 - Attend permit intake review meetings with Caldwell County for Segment B.
 - Continue Permit coordination with Pipeline consultants
 - Coordinate with Hays County concerning the Site Development Permit.
 - General Coordination with TxDOT.
 - Coordinate with Guadalupe County TxDOT office concerning roadway crossings.
 - General Coordination with GVEC and BBEC.
 - Permit Tracking Log Updates.

- Task 16 – Other Services
 - Prepare the Procurement Process, including a comparison of the Competitive Sealed Proposal and Pre-Qualified processes for ARWA’s review and feedback.
 - Coordinate with design consultants and construction management team regarding the ARWA contract document templates and Competitive Sealed Proposal process.
 - Finalize additional solar analysis and memo given ARWA’s comments.
 - Commissioning Planning
 - Finalize the evaluation of the Phase 1B infrastructure commissioning for ARWA’s review.
 - Finalize the anticipated water volume required to commission the Phase 1B infrastructure.
 - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.

Scope Elements Added/Removed:

None at this time.

Outstanding Issues/Concerns:

None at this time.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

H.2 Consider adoption of Resolution 2020-11-18-001 approving Work Order #7 with Blanton & Associates for additional environmental services associated with the Authority's Phase 1B Program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

Background/Information

Alliance Water entered into a Work Order in May 2018 with Blanton & Associates, Inc. for the environmental investigation for the Phase 1B projects. Additional environmental investigations are required to address changes in permitting requirements by the US Army Corps of Engineers, Phase II Site Assessments for parcels on the Segments C and D alignments and possible re-route evaluations on Segment C in coordination with landowner requests.

Below are some of the key facts regarding the additional investigation:

Firm: Blanton & Associates, Inc.
Fee: \$399,829
Work Order Type: Time and Materials
Anticipated Duration: 10 months
Project Manager: Velma Danielson
Key Subconsultants: W&M (HazMat)

The services are divided as follows:

Scope	Max. Fee
Project Management	\$22,500
Field Surveys	\$55,855
Enviro Docs & Permitting	\$102,055
Surveys for Re-Alignments	\$84,131
Phase 2 Investigations	\$241,804
WO #2 & WO #4 Unused Funds	(\$106,466)
TOTAL	\$399,829

Attachment(s)

- Resolution 2020-11-18-001
- Proposal for Additional Environmental Services dated November 13, 2020.

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

Board Decision(s) Needed:

- Adoption of Resolution 2020-11-18-001 approving Work Order #7 with Blanton & Associates for additional environmental services associated with the Authority's Phase 1B Program.



ALLIANCE WATER

RESOLUTION NO. 20201118-001

A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING WORK ORDER #7 BETWEEN THE AUTHORITY AND BLANTON & ASSOCIATES, INC. FOR ADDITIONAL ENVIRONMENTAL SERVICES ASSOCIATED WITH THE AUTHORITY'S PHASE 1B SEGMENT E PIPELINE PROJECTS AND RELATED MATTERS, AND DECLARING AN EFFECTIVE DATE

RECITALS:

1. Alliance Regional Water Authority (the "Authority") entered into a master agreement with Blanton & Associates, Inc. for professional environmental services and related matters in May 2018.

2. The Authority hired Kimley-Horn & Associates to serve as the Owner's Representative for the Authority's Phase 1B Program. The Owner's Representative role is to assist the Authority with development of the Phase 1B Program as a whole, including coordination with all design firms after selection through completion of the Program.

3. The Authority entered into a work order with Blanton & Associates, Inc. for environmental investigations for the Authority's Phase 1B Projects in May 2018.

4. Additional environmental services are required as a result of changes to permitting requirements for the Phase 1B Projects, for Phase II Site Assessments and for possible alignment re-routes on Segment C.

5. The scope of services and fee for the attached work order was negotiated by the Executive Director and the Owner's Representative on behalf of the Authority. The work order references terms and conditions in the approved Master Agreement between the Authority and Walker Partners.

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:

SECTION 1. The attached work order for additional Environmental Investigation between the Authority and Blanton & Associates, Inc. is approved with a fee not-to-exceed \$399,829.

SECTION 2. The Authority's Executive Director, Graham Moore, is authorized to execute the attached agreement on behalf of the Authority.

SECTION 3. This Resolution shall be in full force and effect immediately upon its passage.

Resolution 20201118-001
Phase 1B Additional Environmental Investigation

ADOPTED: November 18, 2020.

ATTEST:

Chris Betz
Chair, Board of Directors

James Earp
Secretary, Board of Directors

Blanton & Associates, Inc. - Environmental Scope for Alliance Water Phase 1B Program**Pursuant to Master Services Agreement Between Alliance Regional Water Authority and
Blanton & Associates, Inc., Dated May 23, 2018****Work Order No. 007****November 13, 2020****WORK ORDER NO. 007 - DEFINITION AND BACKGROUND**

The Environmental Consultant (B&A) was given notice to commence work on Work Order No. 001 (dated May 17, 2018) on June 11, 2018. Since that time, in accordance with Work Order No. 001, B&A conducted the following activities related to the Cultural Resources tasks for Alliance Water's Phase 1B Program Segment B, C, and D Pipeline Projects: 1) early agency coordination, including coordination with the U.S. Army Corps of Engineers (USACE) and the Texas Historical Commission (THC); 2) preparation of detailed research designs that were submitted to and approved by the THC; and 3) completion of intensive archeological survey-phase subsurface investigations consistent with the THC-approved research design. 4) preparation of an Archeological Survey Report describing the results of the investigations; and 5) submittal of the survey report to the THC (which responded with approval of the investigations and reports). Following the USACE's review of the Segment A Archeological Survey Report, the USACE provided comments on the report and requested that additional work be performed to more fully assess potential project impacts to known archeological sites and potentially unidentified archeological sites that may be eligible for inclusion in the National Register of Historic Places (NRHP) along this segment. B&A's revised scope of work for additional Segment A archeological surveys required by USACE was approved by the USACE on October 1, 2020. Anticipating that the USACE will require similar additional archeological surveys along Segments B, C, and D, the Owner's Representative requested B&A prepare and submit this Work Order No. 007 and the associated costs provided in the attached Level of Effort (LOE) spreadsheet.

In this Environmental Consultant's Work Order No. 007, scope of work amendments incorporate the changes indicated below (with reference to Work Order No. 001 tasks and section numbers) and in the attached LOE spreadsheet. These modifications are consistent with the revised Segment A scope of work, approved by the USACE on October 1, 2020, that resulted in additional intensive archeological survey-phase subsurface investigations in USACE jurisdictional areas along Segment A, and also for Segments B, C and D. This additional survey work is in compliance with Section 106 of the National Historic Preservation Act. This Work Order No. 007 does not address Segment E because, based on current design and B&A's assessments of jurisdictional waters of the U.S., there are no areas anticipated to have temporary or permanent impacts to waters of the U.S. in the Segment E survey corridor.

In summary, the October 1, 2020 revised scope of work satisfies the USACE's April 2020 comments on B&A's 2019 draft archeological survey report for Segment A, incorporates the April 2020 revised state archeological survey standards as required by the USACE, incorporates the June 2020 Navigable Waters Protection Rule's (NWPR) revised definition for waters of the U.S., and reflects Alliance Water's current trenchless engineering methods at various crossings for these three segments, which would avoid impacts to certain waters of the U.S.

Also, B&A included additional project management efforts since the current schedules anticipates TWDB approval of all projects will occur in the late spring of 2021. This Work Order extends project management activities through December 2021, as further discussed below.

Also, the Owner's Representative requested B&A prepare a Work Order to conduct soil and groundwater limited Phase IIs and/or lead and asbestos testing on structures that may be demolished on parcels along the Phase 1B Program Segment C and Segment D pipeline alignment.

Compensation for all tasks that are part of Work Order No. 007 will be on a time and materials basis.

The scope items discussed in this Work Order No. 007 are additive to the tasks (with the same identifying task numbers) listed in B&A's original and revised Work Order No. 001, Work Order No. 003, and Work Order No. 006.

SCOPE OF WORK

1. Project Management

- B&A's original contract period was May 2018 through June 2020 (based on environmental schedules), for a total of 25 months. Six months were added in Work Order No. 001 – Supplemental No. 01 and Work Order No. 003. B&A added six more months in Work Order No. 006 to the contract period (January 1, 2021 through June 30, 2021) as an estimate, in response to continuing changes to the Program's schedule. The estimated schedule changes resulted from several factors, including delays in obtaining right-of-entry (ROE) for some parcels, engineering design changes and segment re-alignments that necessitate additional field work, and delays associated with the USACE comments on Segment A. Since this Work Order No. 007 will be the final work order to B&A's contract, B&A is adding four more months (July 1, 2021 through October 31, 2021) in the event additional time may be needed for work to complete two segments as projected in the environmental schedules submitted on October 20, 2020. Therefore, additional time and associated costs are included in the Project Management Task (Task 1) through this Work Order No. 007.

4. Field Surveys

4.2. Land Acquisition Coordination

- 4.2.1. Complete and submit property access request forms.
- 4.2.2. Coordinate with landowners to arrange for property access when directed by the land acquisition agent(s).
- 4.2.3. Additional work required to verify ROE property specific requirements.

Assumption(s) for Section 4.2:

- The Owner's Rep will issue ROE and notice to proceed (NTP) to the Environmental Consultant in order to begin field work.
- Receipt of ROE will be provided to the Environmental Consultant prior to field surveys being conducted, as required by the Owner's Rep's Field Work Site Visit Protocol.
- B&A will submit Property Access Request Forms (PARFs) to complete field work once B&A receives NTP for enough parcels to ensure efficient field crew deployment and confirms the most recent segment alignment.
- B&A will conduct this field work contingent upon receipt of the completed PARFs, and provided that the Program does not make changes to survey area requirements and landowners do not either revoke access or add last minute restrictions severely limiting B&A's ability to access these

parcels or prohibiting B&A from conducting planned field work within the two-week PARF window. Should these issues arise, B&A will assess any impacts to planned field work to determine whether we are able to move forward as scheduled or will need to postpone field work due to circumstances beyond either the Program's or B&A's control.

4.3 Survey Transmission lines, Administration/Operations Facility and Booster Pump Station, delivery points:

4.3.12 Conduct additional intensive archeological survey-phase subsurface investigations in USACE jurisdictional areas of Alliance Water's Phase 1B Program Segments B, C, and D Pipelines.

Assumption(s) for 4.3:

- USACE jurisdictional areas are defined within the area of potential effects (APE) based on applicable waters of the U.S. criteria as outlined in the NWPR (issued by the Environmental Protection Agency and USACE on April 21, 2020 and effective June 22, 2020). B&A followed this definition to make assessments of the jurisdictional status of mapped water features. However, only the USACE and Environmental Protection Agency can make official jurisdictional determinations. If the USACE disagrees with B&A's assessment, a supplemental service agreement will be requested.
- Eleven crossings were eliminated from USACE jurisdictional areas of the Segments B, C, and D APE due to avoidance of impacts by directional boring, i.e., trenchless construction.
- Pursuant to the April 2020 revised state terrestrial archeological survey standards for near-surface deposits, B&A proposes to excavate up to 43 total additional shovel tests within USACE jurisdictional areas of Segments B, C, and D in response to USACE comments (see Table 3 of the draft USACE scope of work for each segment for the number of proposed shovel tests per crossing).
- Pursuant to the April 2020 revised state terrestrial archeological survey standards for deeply buried deposits, portions of the USACE jurisdictional areas of Segments C and D are characterized as deep high probability areas, which would necessitate mechanical backhoe trenching. B&A will excavate 2 total additional trenches within USACE jurisdictional areas of Segments C and D in response to USACE comments (see Table 3 of the draft USACE scope of work for each segment for the number of trenches proposed at each crossing characterized as deep high probability areas).
- All survey work will be conducted under existing antiquities permits for each segment.
- Survey will be non-collection of artifacts.
- Identified archeological sites within the APE will be documented via a State of Texas Archeological Site Data Form, which will be submitted to the Texas Archeological Research Laboratory and a site trinomial will be obtained.
- If NRHP-eligible archeological resources are recorded during the survey and recommended for avoidance, site boundaries within the APE would be delineated and mapped for effective project design.
- All project-related archeological materials including field notes, photographs, and a copy of the final survey report shall be curated in accordance with terms and conditions of the Texas Antiquities Permit.

- Construction monitoring, NRHP testing, Mitigation/Data Recovery, and human burial excavation are not included as part of this scope of work. These services would be provided as a Supplemental Service if required.
- No more than 3 multiple-field-day mobilizations for combined Segments B, C, and D will be necessary to complete the field work required to respond to the April 2020 USACE comments on the Segment A draft cultural resources report and the THC's requirements for Segment E GPR anomaly ground truthing/cemetery delineation. These mobilizations will be conducted in the manner outlined in B&A's memorandum to the Owner's Representative dated November 5, 2019.

4.4. Deliverables

Deliverables changed or added to the Scope of Work:

- 4.4.1 GIS data uploads/updates including survey corridor status shapefiles and excel file with status are required to be submitted within two weeks of field survey event.
- 4.4.3 Field Checklists (required to be submitted within two weeks of field survey event).

6. Environmental Documents and Permitting Requirements (Transmission lines, Administration/ Operations Facility and Booster Pump Station)

6.6 Re-alignment Report Revisions – Segments A, B, C, D, and E

6.6.1 Prepare amendments to, or revise, environmental reports for Segments A, B, C, D, and E where re-alignments will occur, and following completion of additional field work required after reports were prepared and/or submitted for agency review and approval.

6.6.2. Meetings

6.6.2.1. If necessary, meetings with TPWD, USFWS, THC and USACE to determine next steps due to re-alignments.

Assumption(s) for 6.6.2:

- Meetings will be via telephone conference. No more than 3 meetings per agency.

6.6.3. Deliverables

- 6.6.3.1. Meeting agendas
- 6.6.3.2. Meeting notes

6.9. USACE Segments B, C, and D Revised Waters/Section 404 Permitting Reports

6.9.1. Revise the draft jurisdictional delineation reports for water resources including anticipated jurisdiction and impacts for project.

Assumption(s) for 6.9.1:

- B&A is using the final version of the new NWPR, which redefines waters of the U.S. and became effective on June 22, 2020, to assess the jurisdictional status of mapped water features. Only the USACE and Environmental Protection Agency can make official jurisdictional determinations. If the USACE disagrees with B&A's assessment, a supplemental service agreement will be requested.

- Should a Preconstruction Notification (PCN) be required for Segments B - E, it will be considered a supplemental service.
- For the draft and final reports, Environmental Consultant will provide one PDF copy in searchable Adobe Acrobat™ (.pdf) format, unless another format is specified.

6.9.2. Deliverables

- 6.9.2.1. Revised Draft Jurisdictional Determination Reports with anticipated permitting requirements
- 6.9.2.2. Final Jurisdictional Determination Reports with anticipated permitting requirements

6.10. USACE Segment B, C, and D Revised Archeological Surveys - THC and USACE Compliance and Clearance

6.10.1 Prepare a revised reports documenting field investigations, findings, and recommendations. Shall be suitable for THC review and approval, and for USACE review and approval for jurisdictional areas.

Assumption(s) for 6.10.1:

- All efforts to avoid effects to identified cultural resources should be made.

6.10.2 Deliverables

- 6.10.2.1. Draft Revised Intensive Cultural Resources Survey Reports
- 6.10.2.2. Final Intensive Cultural Resources Survey Reports

Assumption(s) for 6.10.2:

- For the draft and final reports, Environmental Consultant will provide one hard-copy and one PDF copy in searchable Adobe Acrobat™ (.pdf) format, unless another format is specified. Each electronic deliverable will be a single, searchable .pdf file that mirrors the layout and appearance of the hard copy.

7. Supplemental Services

7.6 Re-Alignment and Limited Alignment/Parcel Field Work Requests from Owner's Representative

7.6.1 B&A anticipates performing additional field surveys based upon re-alignments to segments (e.g., potential re-alignments including Parcel C059, or additional field work due to additional project area added on to parcels previously visited) received from design engineers after segment field work is/was completed and/or environmental reports are/were submitted to agencies for review and approval.

No more than ten re-alignment field survey mobilizations for ten individual parcels (i.e., beyond the protocol outlined in B&A's memorandum dated November 5, 2019) will be requested by the Owner's Representative. Additional requests beyond this number may result in an amendment to this Work Order scope and fee.

Assumption(s) for Section 7.6:

- The Owner's Representative and/or the design engineers will continue to request B&A conduct field surveys on certain areas for the purposes of evaluating pipeline re-alignment parcels that will add field mobilizations scope and costs beyond those included in B&A's Task 4 and Task 7 scopes of work in B&A Work Order No. 003 and Work Order No. 006.

- B&A assumes these requests will continue for the duration of B&A's work on Task 4 and Task 7 in the same manner that they occurred in 2019 and 2020. As such, any requests for re-alignment on parcels where B&A has already completed field work and/or environmental reports were submitted. Field work that are beyond the protocol outlined in B&A's memorandum dated November 5, 2019 will be subject to the supplemental field work budget included in Task 7 of Work Order No. 003 and Work Order No. 006.
- Additional re-alignment field work beyond that required for these ten re-alignment parcels noted in this work order will be included in a subsequent scope and fee.

11. Limited Phase II Investigations – Segment C and Segment D Pipeline Alignments

11.1. Project Management

11.1.1. Prepare Monthly Summary Reports/Invoicing

Assumption(s) for 11.1.1:

- Invoice format and due date will be the same as required in the Project Management Plan (PMP) in effect at time of Task 11 approval and will not be revised for the duration of Work Order No. 007.

11.1.2. Implement PMP Requirements and QA/QC Plan Requirements for Task 11

Assumption(s) for 11.1.2:

- QC review of one draft and one final Phase II report for all five parcels.
- There will not be any revisions to PMP requirements related to Task 11 for the duration of Work Order No. 007.

11.1.3. Schedule Development and Monthly Updates

Assumption(s) for 11.1.3:

- Environmental Consultant will provide the project schedule utilizing Microsoft™ Project software for the project.
- Environmental Consultant will provide schedule updates no more than six times for the duration of Work Order No. 007 based on four planned field mobilizations.
- If more than four field mobilizations are required resulting in additional schedule updates, additional project costs will be incurred.
- Environmental Consultant will provide abbreviated schedule updates during the monthly progress meetings.

11.1.4. Risk Register related to Limited Phase II Investigation field work.

11.1.5. Meetings

11.1.5.1. Monthly Progress Meetings with Owner's Rep Env Staff

Assumption(s) for 11.1.5.1:

- Attendance at these meetings will be by conference call.
- An item related to Task 11 will be added to the monthly progress meeting agenda for the duration of work on Task 11. The Environmental Consultant's sub-consultant will participate in related discussions during these meetings.

11.1.5.2. Additional Meetings – Owner's Representative, Segment C and Segment D Engineers

Assumptions(s) for 11.1.5.2:

- Up to two meetings may be held with the Owner's Representative, Segment C and Segment D Engineers by conference call.

11.1.5.3. Internal Environmental Consultant Team Meetings

Assumptions(s) for 11.1.5.3:

- Up to four meetings may be held by conference call.

11.1.6. Deliverables

11.1.6.3. Meeting Notes

Assumption(s) for 11.1.6.3:

- Owner's Representative's meeting notes template will be used.
- Environmental Consultant will be responsible for initial development, compilation of changes, and distribution of final meeting notes for each meeting.

11.2. Limited Phase II Investigations

11.2.1. Limited Phase II Investigation field work and reporting (See attached *Work Order No. 007 for Professional Services Re-Alignment Field Surveys, Environmental Reports, & Limited Phase II Investigations (Segments C & D) Alliance Water Proposed Transmission Pipeline* from W&M Environmental).

Assumption(s) for 11.2.1:

- Assumptions for this section are detailed in the attached W&M Work Order scope of work.

11.2.2. Data Evaluation, Reporting, & Project Management (See attached *Work Order No. 007 for Professional Services Re-Alignment Field Surveys, Environmental Reports, & Limited Phase II Investigations (Segments C & D) Alliance Water Proposed Transmission Pipeline* from W&M Environmental).

Assumption(s) for 11.2.2:

- Assumptions for this section are detailed in the attached W&M Work Order scope of work.

11.3. Land Acquisition Coordination for Parcel Access

Assumption(s) for 11.3:

- The Owner's Rep will issue NTP to the Environmental Consultant in order to begin field work.
- Receipt of NTP will be provided to the Environmental Consultant prior to field surveys being conducted, as required by the Owner's Rep's Field Work Site Visit Protocol.
- Preparation for field surveys will follow the Owner's Rep's Field Work Site Visit Protocol, original and revised, including preparation of field binders (ROE table, field checklists, survey forms, field maps, etc.) and making crew assignments and travel arrangements. B&A will submit property access request forms (PARFs) to complete field work.
- Environmental Consultant will conduct this field work contingent upon receipt of the completed PARFs, and provided that the Program does not make changes to survey area requirements and

landowners do not either revoke access or add last minute restrictions severely limiting our ability to access these parcels or prohibiting the Environmental Consultant from conducting planned field work within the four-week PARF window. Should these issues arise, the Environmental Consultant will assess any impacts to planned field work to determine whether we are able to move forward as scheduled or will need to postpone field work due to circumstances beyond either the Program's or the Environmental Consultant's control.

11.3.1. Complete two agendas and meeting with land acquisition to detail specific field tasks and requests.

Assumption(s) for 11.3.1:

- Separate meetings may be needed – one for each segment engineer.

11.3.2. Complete and submit the PARFs.

11.3.3. Coordination regarding landowners and arranging for property access.

11.3.4. Conduct additional work required to verify property access specific requirements.

11.3.5. Conduct field work.

Assumption(s) for 11.3.5:

- Field work will be performed when enough property access is obtained to conduct no more than four field mobilizations. Additional project costs will be incurred if there are more than four field mobilizations necessary to complete the required field work.

11.3.6. Deliverables

11.3.6.1. GIS data uploads/updates including survey corridor status shapefiles and excel file with status are required to be submitted within two weeks of field survey event.

11.3.6.2. Field Checklists (required to be submitted within two weeks of field survey event)

11.3.6.3. Preliminary finding summaries to be sent by email to the Owner's Representative no later than three business days after completion of each field mobilization.



**WORK ORDER NO. 007 FOR PROFESSIONAL SERVICES
RE-ALIGNMENT FIELD SURVEYS, ENVIRONMENTAL REPORTS,
& LIMITED PHASE II INVESTIGATIONS (SEGMENTS C & D)
ALLIANCE WATER PROPOSED TRANSMISSION PIPELINE**

This Work Order constitutes authorization by **Blanton & Associates, Inc.** (otherwise referred to as Client or B&A) for **W&M Environmental, a Division of Braun Intertec Corporation** (W&M, otherwise referred to as Consultant) to provide additional environmental services for the proposed Alliance Regional Water Authority (Alliance Water) water transmission pipeline in central Texas. W&M has provided desktop constraints reviews, field reconnaissance for hazardous materials, and environmental reports related to the five proposed pipeline segments (Segments A through E) of the Alliance Water Phase 1B Program (Program).

W&M anticipates performing additional field surveys on up to 10 parcels based upon re-alignments to segments received from design engineers after segment field work has been completed. Amendments or revisions to environmental reports, which were prepared and/or submitted to agencies for review and approval prior to the re-alignments, are also anticipated.

As described below, the proposed scope of work includes additional field surveys on up to 10 parcels due to anticipated re-alignments and additional environmental reporting associated with those re-alignments. In addition, the scope of work includes limited Phase II investigations of up to 13 select parcels along Segment C and D of the proposed pipeline.

Scope of Services

1. Environmental Documents (Task 6) Re-Alignment Report Revisions.

This task allows for the preparation of amended or revised Hazardous Materials Assessment Reports due to anticipated re-alignments on up to 10 parcels occurring after original reports have been prepared and submitted to B&A. W&M will coordinate with the Client regarding due dates for the revised environmental reports associated with anticipated pipeline re-alignments.

2. Supplemental Services (Task 7) Re-Alignment Field Surveys.

This task allows for up to 10 half-day mobilizations to conduct field surveys on up to 10 parcels due to re-alignment of the pipeline. W&M field staff will observe for the presence of hazardous materials in the area of the re-alignment by foot or by vehicle. W&M will work with Client representatives to gain access to the parcels associated with the pipeline re-alignments but will not be responsible for obtaining landowner right of entry agreements or Property Access Request Forms (PARFs) for the proposed field surveys. The field survey for each parcel is assumed to take two W&M staff no more than 0.5-day to complete, including travel. W&M will provide Client with field checklists, preliminary summaries of findings, and GIS deliverables following completion of each mobilization.

3. Limited Phase II Investigations – Segments C & D (Task 11).

W&M has completed a desktop review and field reconnaissance for hazardous materials of most parcels along Segment C and D and identified recognized environmental conditions (RECs), structures, or drums/containers, or other environmental concerns on or adjacent to the proposed pipeline construction easement on 13 parcels. **Figures 1 and 2** depict the locations of these 13 parcels. The activities described under Task 11 are based on the following KMZs provided by B&A:

Segment C Survey Corridor dated October 6, 2020
Segment C Construction Easement dated July 9, 2020
Segment D Survey Corridor dated July 13, 2020

Segment D Construction Easement dated October 15, 2020.

Changes to the construction easements may result in the need to change the sampling plan described in this Work Order and may result in additional costs.

Limited Phase II soil and groundwater investigations, asbestos and lead-based paint surveys, and/or drum/container inventories are proposed on 13 parcels [REDACTED] unidentified parcel within [REDACTED]. A limited Phase II soil and/or groundwater investigation is recommended at six of the 13 parcels [REDACTED] to determine if soil and/or groundwater within the proposed pipeline construction easements for Segment C and Segment D has been impacted from the identified RECs or *de minimis* conditions. Asbestos and lead-based paint surveys are recommended at nine of the 13 parcels [REDACTED] and the unidentified parcel within [REDACTED] to test for the presence of asbestos-containing material (ACM) and lead-based paint (LBP) in structures, and/or structural material, intended for demolition which will require disposal prior to construction activities. A drum/container inventory is also recommended at six of the 13 parcels [REDACTED], and the unidentified parcel within [REDACTED] where drums and containers are present or may be located within the construction easement and will require proper disposal. A summary of our findings to date and recommendations for additional investigations along Segment C and D is attached as **Table 1**.

The purpose of soil, groundwater, and structural material sampling during the investigation is to provide the Program with analytical data to lessen the risk of construction delays. If the soil or groundwater is found to be contaminated, work can be done ahead of construction to 1) consider potential worker safety concerns and 2) profile the soil and/or groundwater for proper disposal in case soil needs special disposal or the water has to be pumped out of the excavation. Also, if the groundwater is contaminated, a plan can be developed to prevent migration of the impacted groundwater via the trench (conduit) that is being excavated. The cost to install and sample soil borings and temporary wells is minor compared to the cost of construction delays if potentially-impacted soil and/or groundwater is encountered during construction. Similarly, sampling of structural materials for structures slated for demolition and removal will provide information to address potential worker safety concerns and disposal options. Specifically, asbestos surveys are proposed to assess the potential presence and location of ACM prior to demolition activities. In the event ACM is detected, State and Federal laws would require ACM be removed prior to structure demolition. Similarly, the purpose of the LBP survey is to assess the potential presence and location of LBP prior to demolition activities in accordance with State and Federal laws. W&M will subcontract the asbestos and LBP surveys to Farmer Environmental Group, LLC (FEG), a consulting firm licensed in asbestos and lead-based paint sampling. Due to the drums, containers, and tanks observed within the survey corridor during the field reconnaissance, an inventory of containers located within the construction easement is recommended to further evaluate options for characterizing and properly disposing of potentially hazardous materials. W&M will contract with CG Environmental, LLC to complete the inventory.

W&M will work with Client representatives to gain access to the 13 parcels along Segments C and D listed above, but will not be responsible for obtaining landowner right of entry agreements or Property Access Request Forms for the proposed activity. Because it is unlikely that access to the 13 parcels will be obtained for the same time period, and due to the numerous subcontractors needed to complete the proposed work, several mobilizations may be necessary to complete the proposed field work. This Work Order assumes four mobilizations for each of the following activities: utility clearance, drilling, lead and asbestos surveys, drum/container inventory, and waste disposal. If additional mobilizations will be required due to access limitations, W&M will notify B&A to discuss the change in scope and costs.

B&A is not responsible, or liable, for any work performed by W&M as part of the Limited Phase II Investigation work included in Work Order No. 007 for the Phase 1B Program Projects. W&M will provide all insurance coverage necessary for work related to the Phase II Investigations for the Phase 1B Program Projects.

Soil & Groundwater Sampling.

Prior to initiating field work, W&M will obtain the proposed excavation depths from the Program in order to determine the appropriate drilling depth for each proposed drilling location. W&M will prepare a project specific health and safety plan, mark proposed drilling locations, and notify public utilities through Texas 811. A private utility locate service will also be contracted to assess the proposed drilling locations. A Texas-licensed driller will be contracted to advance up to seven soil borings associated with suspected source areas. The 3.5-inch diameter soil borings will be advanced within the construction easement using a truck-mounted direct-push drilling rig to approximately 2 feet below the estimated total depth of the proposed excavation (generally 15 to 25 feet below ground surface). Field support trucks will also be utilized by W&M staff and contractors. The soil column from each boring will be continuously logged by a W&M field geologist and soil samples will be screened with a photoionization detector (PID) at 2.5-foot intervals.

Up to two soil samples from each boring will be selected for laboratory analysis of volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), Resource Conservation & Recovery Act (RCRA) metals, and poly-aromatic hydrocarbons (PAHs). At Parcel D091G, three pond sediment samples will be collected using hand tools and analyzed for the same constituents. At Parcel C071H, two surface soil samples will be collected using hand tools and analyzed for the same constituents plus herbicides and pesticides. Soil borings advanced for the purpose of installing a temporary monitoring well (TMW) for collection of groundwater samples will be logged by the W&M field geologist and screened with a PID, but no soil samples will be submitted for laboratory analysis. Refer to **Table 1** for sampling parameters and methods.

Soil samples collected for the analysis of VOCs and TPH will be collected using U.S. Environmental Protection Agency (EPA) Method 5035 with dedicated Terracore samplers provided by the laboratory. Samples will be immediately stored on ice and submitted to an accredited laboratory for analysis using US. Environmental Protection Agency (EPA) or Texas Commission on Environmental Quality (TCEQ) approved methods. For quality assurance/quality control (QA/QC) purposes, duplicate soil samples will be recovered at a 10% frequency, or one duplicate for every 10 samples collected, for analysis of VOCs. Standard turn-around times will be requested on the chain-of-custody, with results expected within 7 to 10 business days.

Five of the seven proposed soil borings will be advanced to a maximum depth of 25 feet for the purpose of assessing shallow groundwater. If groundwater is observed during drilling, TMWs will be installed for the collection of groundwater samples. The location of each sampling point will be recorded with a handheld GPS unit.

The proposed TMW locations represent areas where shallow groundwater, if present, may be impacted by a previously identified REC located either within or adjacent to the proposed permanent construction easement. The TMWs will be developed and sampled (if sufficient water is present) for VOCs, TPH, RCRA metals, and PAHs, and plugged by the drilling contractor the same day or within 48 hours. Samples collected for metals analysis will be filtered in the field. Standard turn-around times will be requested on the chain-of-custody, with most results expected within 7 to 10 business days.

If a groundwater sample cannot be collected prior to plugging the TMW, then W&M will evaluate the field observations to determine if a permanent well(s) is warranted. If a permanent well is recommended, the work will be conducted under a separate work order.

The drilling depths of soil borings and TMWs will be REC-specific but not to exceed 25 feet (in many places, the drilling depth may be only 10 to 15 feet). The location of the REC will be compared to the proposed excavation depths provided by the Program to determine an appropriate drilling depth. The cost to evaluate this information and determine specific drilling depths for each sample location is included in this Work Order. The termination depth will depend on the proposed construction depth and will extend to slightly below (~2 feet) the total depth of excavation needed for pipeline construction. If no groundwater is observed during drilling to the specified depth, then no temporary monitoring well will be installed.

Investigation derived waste (IDW) such as soil cuttings and purged groundwater will be containerized in 55-gallon steel drums. Up to two 55-gallon steel drums containing soil cuttings and purged groundwater may be generated at each parcel where drilling occurs (up to 10 drums total) and will be temporarily placed near the drilling operations. Representative samples of the IDW will be collected to profile the waste for disposal. If the waste is not impacted, then W&M will return to the parcel to spread the material on-site and remove the empty drums. However, if the waste is found to be impacted, costs to profile and dispose of up to 10 drums as a Class 2 non-hazardous waste are included in this Work Order. Any additional costs required for proper disposal of the IDW will be addressed in a separate work order. As noted above, IDW management and disposal assumes that the field work will be conducted under three separate mobilizations.

Assessment of Structures and Inventory of Storage Containers.

Asbestos Survey

Based upon the age, number, and historical uses of the Site structures, it is assumed up to 15 structural material samples will be collected per structure (up to 12 structures, for a total of up to 180 samples) and submitted for analysis using polarized light microscopy (PLM) to determine asbestos content. Structural material samples will be collected in accordance with Asbestos Hazard Emergency Response Act (AHERA) sampling protocol. Samples will be analyzed on a standard turnaround time (5 business days). Once the Site structures have been observed, it is possible the number of samples required will change, altering the overall cost of the Asbestos Survey. Asbestos surveys are proposed on up to nine parcels: [REDACTED]

LBP Survey

An experienced, EPA-accredited and Texas Department of State Health Services (DSHS)-licensed Lead-Risk Assessor/Lead Inspector will conduct the inspection in accordance with the Texas DSHS Texas Lead Reduction Rules. Suspect LBP will be tested with an x-ray fluorescence analyzer (XRF). Sample results equal to or greater than 1.0 milligram of lead per square centimeter (mg Pb/cm²) will be reported as LBP. LBP surveys are proposed on up to nine parcels: [REDACTED]

Storage Container Inventory

An inventory of the various storage containers of potentially hazardous material located within the construction easement of Segments C and D will be conducted to obtain information on the types and quantities of waste that may need to be managed by Alliance Water during demolition activities. W&M will subcontract an experienced hazardous waste services company (CG Environmental, LLC) to perform this task on up to six parcels [REDACTED]. Once the inventory is completed, W&M will prepare a separate Work Order for container sampling and analysis. This Work Order does not include costs for sample plan preparation, sample collection, analytical testing of the container contents, or profiling, transport, and disposal of the storage containers.

Data Evaluation, Reporting, & Project Management. A preliminary field findings summary will be provided to B&A via email within 3 business days following the completion of each field mobilization. Preliminary results for each parcel will be provided to B&A via email correspondence within 5 business days of receiving the final analytical report(s) from each mobilization. As requested by B&A, W&M will present the results of the investigation in two Limited Phase II Investigation letter reports, one for Segment C and one for Segment D. The reports will detail the sampling results, conclusions, and recommendations, if needed, for assistance with construction activities or for regulatory assistance. The reports will be reviewed and sealed by a Professional Geoscientist.

This task includes project management costs for scope development, kickoff meetings with the Program, preparation/review of a risk register, submittal of preliminary finding summaries and field checklists, monthly conference calls for up to 12 months (January-December 2021), up to four teleconference meetings, and preparation of a monthly summary for up to 12 months (January-December 2021).

Payment

The fees for these professional consulting services will be billed on a time and material basis for \$231,459 based on the attached worksheets and fee schedule. W&M will not exceed \$231,459 in billings without prior written consent from Client. Work shall be performed under the terms and conditions set forth in the Assignment, Assumption, and Consent effective September 30, 2018.

Schedule

W&M will proceed immediately following a written notice-to-proceed from the Client. Because the actual dates of field work will be constrained by parcel access and driller availability, W&M will immediately contact the drilling subcontractor and the appropriate land agent to coordinate field work schedules upon receiving a written notice-to-proceed from the Client. The draft Phase II reports are anticipated to be completed within 6 weeks of receiving the final analytical results.

BILLING INFORMATION:
BLANTON & ASSOCIATES, INC.
5 Lakeway Centre Court, Suite 200
Austin, Texas 78734

REMIT PAYMENT TO:
W&M ENVIRONMENTAL, A DIVISION OF
BRAUN INTERTEC CORPORATION
NW 7644 PO Box 1450
Minneapolis, Minnesota 55485

Don Blanton
(512) 264-1095
dblanton@blantonassociates.com

PIC: Diana Rader, P.G.
PM: Trudy Hasan, P.G.
thasan@braunintertec.com
512-721-0005 Direct

Authorized:

Accepted:

SIGNATURE: _____

SIGNATURE: _____

DATE: _____

DATE: _____

TABLE 1
SUMMARY OF FINDINGS & RECOMMENDATIONS

Segments C and D
Caldwell, Hays & Guadalupe Counties, Texas

Parcel ID	Date Visited	Construction Easement Date of KMZ	Findings Description	Location Relative to Construction Easement	Recommendations	Soil Borings/Temporary Wells ¹	Asbestos and LBP Survey	Drum/Container Inventory	Laboratory Analysis ²
Segment C									
█	2/17/2020	7/9/2020	One small, bee-infested, structure located within the easement.	Within	Conduct asbestos and lead-based paint survey of structure if intended for demolition.	None	Yes	None	Asbestos, Lead
█	2/21/2020	7/9/2020	Three structures within easement; empty refrigerant tanks and tires could require special disposal. Fencing/lumber debris within ILST area not an environmental concern.	Within	Conduct asbestos and lead-based paint survey of three structures if intended for demolition. Take inventory of possible hazardous materials in refrigerant tanks within easement.	None	Yes	Yes, for containers that are within easement	Asbestos, Lead
█	2/19/2020	7/9/2020	Dilapidated building within easement and roofing/insulation material adjacent.	Within	Conduct asbestos and lead-based paint survey of structure/building materials if structure/materials will be removed	None	Yes	None	Asbestos, Lead
█	2/19/2020	7/9/2020	Easement is adjacent to various drums and storage containers, burn pile, debris, and dilapidated structures. Some structural material/debris may be present within easement (vegetated)	Adjacent (possibly within)	Collect soil and groundwater samples. Conduct asbestos and lead-based paint survey if structural materials are within the easement. Take inventory of possible hazardous materials in containers and drums within easement.	2 soil borings completed as temporary monitoring wells Screen soils during drilling	Yes, if structural material is within easement	Yes, if containers are within easement	TPH, VOCs, PAHs, RCRA metals Asbestos, Lead
█	2/14/2020	7/9/2020	No RECs based on landowner interview, however, proposed easement goes through one dilapidated structure (not inspected) and through AST stained soils (<i>de minimis</i>).	Within	Conduct asbestos and lead-based paint survey of structure within easement and inspect contents for possible containers of hazardous materials. Collect surface samples of stained soils for worker safety/disposal options.	Surface soil samples (2) of stained soil	Yes	Yes, if containers are within easement	TPH, VOCs, PAHs, RCRA metals, herbicides, pesticides Asbestos, Lead
█	2/17/2020	2/14/2020	One dilapidated barn structure, mostly wood and metal. Scrap tires present.	Within	Conduct asbestos and lead-based paint survey in one structure (cattle barn) if intended for demolition. Scrap tires may require special handling.	None	Yes	None	Asbestos, Lead
█	2/21/2020	7/9/2020	Desktop finding A39 (debris), located west-adjacent to Parcel CD89H on an unidentified parcel, was not observed during the Site reconnaissance. Aerial images indicate the debris, located within 100 feet from the survey corridor, has been present since at least 2014, although it is unclear what types of material are present. Based on the quantity and unknown contents of the debris, this finding is a REC.	Adjacent	Collect groundwater samples	1 soil boring completed as a temporary monitoring well. Screen soils during drilling	None	None	TPH, VOCs, PAHs, RCRA metals
█	2/19/2020	7/9/2020	Remnant stockpile within survey corridor; this finding is a REC.	Within	Collect soil sample	1 soil boring Screen soils during drilling.	None	None	TPH, VOCs, PAHs, RCRA metals
█	2/19/2020	7/9/2020	Asphalt piles within and adjacent to survey corridor; this finding is a REC.	Within/Adjacent	Collect soil and groundwater samples	1 soil boring/ with 1 completed as temporary monitoring well Screen soils during drilling.	None	None	TPH, VOCs, PAHs, RCRA metals

TABLE 1
SUMMARY OF FINDINGS & RECOMMENDATIONS

Segments C and D
Caldwell, Hays & Guadalupe Counties, Texas

Parcel ID	Date Visited	Construction Easement Date of KMZ	Findings Description	Location Relative to Construction Easement	Recommendations	Soil Borings/Temporary Wells ¹	Asbestos and LBP Survey	Drum/Container Inventory	Laboratory Analysis ²
Segment D									
█	4/10/2019	10/15/2020	Wooden shed with unknown contents within easement. Debris pile just outside of easement.	Within/Adjacent	Conduct asbestos and lead-based paint survey of structure located within the easement if intended for demolition. Shed contents unknown - inspect for containers, drums, etc.	None (report findings were <i>de minimis</i>)	Yes	Yes	Asbestos, Lead
█	2/18/2020	10/15/2020	Two structures present within easement. Various tanks used for agricultural purposes within structures. Note: API 187 dry hole (no field evidence - <i>de minimis</i>) is outside of easement	Within (structures)	Conduct asbestos and lead-based paint survey of structures located within the easement if intended for demolition. Take inventory of possible hazardous materials in containers and drums within easement.	None	Yes	Yes	Asbestos, Lead
█	8/20/2019	10/15/2020	One structure located within current easement on unidentified parcel outlined within D032G. Farm equipment; possible containers. Note: plugged oil well reported within 40 feet of easement; no evidence during field survey. Gasoline AST/dispenser 100 feet from easement - <i>de minimis</i> based on observations.	Within (structure)	Conduct asbestos and lead-based paint survey of structure located within the easement if intended for demolition. Take inventory of possible hazardous materials in containers/drums within easement.	None	Yes	Yes	Asbestos, Lead
█	9/14/2020	10/15/2020	Proposed location of in-line storage tanks is located downgradient of a former automotive repair facility.	Within ILST survey area	Collect pond sediment and soil and groundwater samples.	3 pond sediment samples and 2 soil borings/ with 1 completed as temporary monitoring well Screen soils during drilling	None	None	TPH, VOCs, PAHs, RCRA metals

Notes:

¹Soil borings and/or temporary monitoring wells to be installed by a licensed well driller using direct-push rig. Groundwater samples will be collected from temporary monitoring wells using low flow methods if sufficient flow is available; otherwise, samples will be collected with a disposable bailer. Maximum depths are estimated at 25 feet below ground surface (bgs).

²TPH=total petroleum hydrocarbons by TCEQ Method 1005. VOCs = volatile organic compounds by U.S. Environmental Protection Agency (EPA) Method 8260. Resource Conservation & Recovery Act (RCRA) metals by EPA Methods 6010/7471. PAH = polycyclic aromatic hydrocarbons by EPA Method 8270.

The Phase II recommendations provided in this table represent an initial scope of work to determine if soil and/or groundwater is impacted above regulatory action levels. Another round or two of sampling may be necessary at some locations to further define the nature and extent of contamination.

Alliance Water - Work Order No. 007													Project Fee Summary		
W&M													Basic Effort	\$	209,601
Prepared: November 4, 2020													Supplemental	\$	21,858
Detailed Overall Env Consultant Cost Breakdown													Total Effort	\$	231,459

Task #	Project Role	Principal Consultant II	Sr. Consultant II	Project Consultant III	Project Consultant I	Staff Consultant III	Staff Consultant II	Staff Consultant I or Project Coordinator	GIS Analyst	Role	Role	Role	Total W&M Hours	Total W&M Labor Effort	Total W&M Expense & Subs Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$245.00	\$197.00	\$160.00	\$136.00	\$118.00	\$100.00	\$90.00	\$100.00	\$50.00	\$50.00	\$50.00					
Basic Services																	
	Task 6 - Environmental Documents and Permitting Requirements												55	\$ 7,425	\$ -	\$ 7,425	
6.6	Re-alignment Report Revisions - Seg A, B & D																
6.6.1	Prepare amendments / revisions to environmental reports	5		20			10		20				55	\$ 7,425	\$ -	\$ 7,425	
	Task 7 - Supplemental Services												162	\$ 20,870	\$ 988	\$ 21,858	
7.6	Re-Alignment & Limited field work from owners representative																
7.6.1	Field Work for re-alignments (up to 10 parcels)	2		40			110		10				162	\$ 20,870	\$ 988	\$ 21,858	
	Task 11 - Limited Phase II Investigations - Seg C & D												878	\$ 121,006	\$ 81,170	\$ 202,176	
11.2	Limited Phase II Investigations																
11.2.1	Limited Phase II Investigation field work and reporting	16		100			288		20				424	\$ 55,904	\$ 81,170	\$ 137,074	
11.2.2	Data Evaluation, Reporting & Project Management	42		200			114		44	54			454	\$ 65,102	\$ -	\$ 65,102	
	Grand Total												1,095	\$ 149,301	\$ 82,158	\$ 231,459	

OTHER DIRECT COST		# OF UNITS		COST BY TASK		TOTAL COST
Item	Per Unit	TASK 7	TASK 11	TASK 7	TASK 11	
Subcontractors (Utility locator, driller, ACM/LBP, Waste)	\$ 74,445.00			\$0.00	\$74,445.00	\$74,445.00
Lodging	\$120.00			\$0.00	\$0.00	\$0.00
ATV	\$75.00			\$0.00	\$0.00	\$0.00
GPS	\$100.00			\$0.00	\$0.00	\$0.00
Camera	\$45.00			\$0.00	\$0.00	\$0.00
Vehicle Mileage	0.575	500	1000	\$287.50	\$575.00	\$862.50
Vehicle Rental	\$100.00	7	28	\$700.00	\$2,800.00	\$3,500.00
4X4 Vehicle Rental	\$125.00			\$0.00	\$0.00	\$0.00
Per Diem - Meals	\$45.00		30	\$0.00	\$1,350.00	\$1,350.00
Misc. (Tolls, Parking)	\$10.00			\$0.00	\$0.00	\$0.00
Field Supplies	\$20.00		100	\$0.00	\$2,000.00	\$2,000.00
Facility Rental	\$800.00			\$0.00	\$0.00	\$0.00
Backhoe Rental	\$1,000.00			\$0.00	\$0.00	\$0.00
Overnight Mail	\$40.00			\$0.00	\$0.00	\$0.00
Mail	\$0.50			\$0.00	\$0.00	\$0.00
Color Plot (sq.ft.)	\$1.50			\$0.00	\$0.00	\$0.00
Color Copies (per 8.5x11 sheet)	\$0.35			\$0.00	\$0.00	\$0.00
Color Copies (per 11x17 sheet)	\$0.50			\$0.00	\$0.00	\$0.00
Copies (per 8.5x11 sheet)	\$0.10			\$0.00	\$0.00	\$0.00
Copies (per 11x17 sheet)	\$0.10			\$0.00	\$0.00	\$0.00
Court Report	\$500.00			\$0.00	\$0.00	\$0.00
Curation of Archeological Materials	\$200.00			\$0.00	\$0.00	\$0.00
Newspaper Ads	\$1,200.00			\$0.00	\$0.00	\$0.00
Archeological Site Form TARL Processing Fee	\$64.00			\$0.00	\$0.00	\$0.00
TOTAL OTHER DIRECT COST				\$987.50	\$81,170.00	\$ 82,157.50



**W&M ENVIRONMENTAL,
A DIVISION OF BRAUN INTERTEC**

STANDARD FEE SCHEDULE
Effective January 1, 2020 – December 31, 2020

LABOR CATEGORY	HOURLY RATE
Principal Consultant II.....	\$245
Principal Consultant I.....	\$218
Senior Consultant II.....	\$197
Senior Consultant I.....	\$175
Project Consultant III.....	\$160
Project Consultant II.....	\$145
Project Consultant I.....	\$136
Staff Consultant III.....	\$118
Staff Consultant II.....	\$100
Staff Consultant I.....	\$90
Field Scientist IV.....	\$105
Field Scientist III.....	\$96
Field Scientist II.....	\$88
Field Scientist I.....	\$80
GIS Analyst II.....	\$100
GIS Analyst I.....	\$90
Project Coordinator.....	\$90

Charges for expert witness, emergency, litigation support related depositions, court appearances, and trial testimony will be billed at the above rates plus 100%.

OTHER DIRECT COSTS

Rental Equipment.....	Cost + 15%
Travel.....	Cost + 15%
Food and Lodging (Professional Staff).....	Cost + 15%
Company Vehicle.....	\$125/day (+ mileage > 50 miles)
Mileage.....	IRS Standard Mileage Rate + 15%*
W&M Field Equipment.....	project specific, on request

* Rate may vary based on prevailing IRS Standard Mileage Rate.

OUTSIDE PROFESSIONALS & SERVICES

Outside services, equipment, and facilities provided by W&M will be billed at cost plus 15 percent (15%) and may include the following:

- Laboratory Testing
- Drilling and Geoprobe™ Services
- Remediation Subcontractors
- Waste Disposal and/or Transportation Subcontractors
- Other Consultants

INVOICES

Invoices will be generated and submitted monthly, at a minimum, and are payable upon receipt. Additional payment terms are presented in the Consulting Agreement.

Alliance Water - Work Order #7																				Project Fee Summary									
Pipeline Consultant Prepared: November 12, 2020																													
Detailed Overall Env Consultant Cost Breakdown																													
Task #	Project Role	PM	DPM	ENV Professional	Endangered Species Lead	Endangered Species Scientist	ENV Tech II	ENV Tech I	USACE Permit Lead	USACE Permit Scientist I	ENV Tech I	CR Lead	CR Scientist II	TPWD Lead	Env Tech II - Waters	Env Tech I - Waters	Senior GIS Analyst	GIS Analyst	GIS Tech	Admin	Total Hours	Total Labor Effort	Total Expense Effort	W&M Labor	W&M Expense Effort	Total Sub Effort	Total Effort	Assumptions	
Hourly Bill Rate		\$180.00	\$170.00	\$150.00	\$160.00	\$130.00	\$110.00	\$90.00	\$160.00	\$130.00	\$90.00	\$160.00	\$130.00	\$110.00	\$90.00	\$140.00	\$110.00	\$95.00	\$70.00										
Task 1 - Project Management																													
1.1	Prepare Monthly Summary Reports/Invoicing	8	6																		166	\$ 22,500	\$ -	\$ -	\$ -	\$ -	\$ 22,500	See Discussion - Task 1, Scope of Work	
1.5	Schedule Development and Monthly Updates	6	4				40														50	\$ 5,360	\$ -	\$ -	\$ -	\$ -	\$ 5,360	See Discussion - Task 1, Scope of Work	
1.6.1	Conduct Progress Meetings with Owner's Representative (6 additional meetings)	16	12																		28	\$ 4,920	\$ -	\$ -	\$ -	\$ -	\$ 4,920	See Discussion - Task 1, Scope of Work	
1.6.2	Internal team scrums (6 additional months)	4	16	4			24	8				6						12			74	\$ 9,760	\$ -	\$ -	\$ -	\$ -	\$ 9,760	See Discussion - Task 1, Scope of Work	
Task 4 - Field Surveys																													
4.2	Land ROE Coordination																				359	\$ 45,140	\$ 10,715	\$ -	\$ -	\$ -	\$ 55,855		
4.2.1	Complete and submit property access request forms		3				6												6		15	\$ 1,620	\$ -	\$ -	\$ -	\$ -	\$ 1,620	See Discussion/Assumptions - Task 4, Scope of Work	
4.2.2	Coordinate w/ landowners to arrange prop access, when directed		3				6														9	\$ 1,050	\$ -	\$ -	\$ -	\$ -	\$ 1,050	See Discussion/Assumptions - Task 4, Scope of Work	
4.2.3	Admnl work to verify ROE property specific requirements		3				6														9	\$ 1,050	\$ -	\$ -	\$ -	\$ -	\$ 1,050	See Discussion/Assumptions - Task 4, Scope of Work	
4.3	Survey transmission lines, AOF & BPS																												
4.3.12	Intensive Archeological survey-phase subsurface investigations at Segs B, C, and D										16	252							16	2	286	\$ 36,980	\$ 10,715	\$ -	\$ -	\$ -	\$ 47,695	See Discussion/Assumptions - Task 4, Scope of Work	
4.4	Deliverables																												
4.4.1	GIS data uploads	2					6														20	\$ 2,040	\$ -	\$ -	\$ -	\$ -	\$ 2,040	See Discussion/Assumptions - Task 4, Scope of Work	
4.4.3	Field Checklists	2	3	3			12														20	\$ 2,400	\$ -	\$ -	\$ -	\$ -	\$ 2,400	See Discussion/Assumptions - Task 4, Scope of Work	
Task 6 - Environmental Documents and Permitting Requirements																													
6.6	Re-alignment Report Revisions - Seg A, B, C, D & E																				680	\$ 94,580	\$ -	\$ 7,425	\$ -	\$ 7,425	\$ 102,005		
6.6.1	Amendments or revisions to environmental reports	8	16	4		4	12	2	12			52			2	4	2	4	12	4	138	\$ 19,280	\$ -	\$ 7,425	\$ -	\$ 7,425	\$ 26,705	See Discussion/Assumptions - Task 6, Scope of Work	
6.6.2	Meetings																				0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
6.6.2.1	If needed, Mtgs w/ TPWD, USFWS, THC & USACE	12	12		6			3				3									36	\$ 6,120	\$ -	\$ -	\$ -	\$ -	\$ 6,120	See Discussion/Assumptions - Task 6, Scope of Work	
6.6.3	Deliverables																				0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
6.6.3.1	Meeting agendas	3	3		3			2				2									16	\$ 2,380	\$ -	\$ -	\$ -	\$ -	\$ 2,380	See Discussion/Assumptions - Task 6, Scope of Work	
6.6.3.2	Meetings notes	6	6		6			3				3									6	\$ 4,440	\$ -	\$ -	\$ -	\$ -	\$ 4,440	See Discussion/Assumptions - Task 6, Scope of Work	
6.9	USACE Segments B, C, and D - Revised Waters/Section 404 Permitting Reports																												
6.9.1	Revise draft jurisdictional delineation report	8	16					16	32			2					2	4	8	4	92	\$ 12,960	\$ -	\$ -	\$ -	\$ -	\$ 12,960	See Discussion/Assumptions - Task 6, Scope of Work	
6.9.2	Deliverables																												
6.9.2.1	Revised Draft Jurisdictional Determination Reports	4	8	8					12	24							2		12	8	78	\$ 8,980	\$ -	\$ -	\$ -	\$ -	\$ 8,980	See Discussion/Assumptions - Task 6, Scope of Work	
6.9.2.2	Final Jurisdictional Determination Reports	2	2	2					4	6							2		4	2	24	\$ 2,860	\$ -	\$ -	\$ -	\$ -	\$ 2,860	See Discussion/Assumptions - Task 6, Scope of Work	
6.10	USACE Seg B, C & D Revised Archeological Surveys																												
6.10.1	Prepare revised report documenting field investigations	2	2									112									16	8	140	\$ 20,700	\$ -	\$ -	\$ -	\$ 20,700	See Discussion/Assumptions - Task 6, Scope of Work
6.10.2	Deliverables																												
6.10.2.1	Draft Revised Intensive Cultural Resources Survey Reports	6	12	18								16					3		24	12	91	\$ 11,920	\$ -	\$ -	\$ -	\$ -	\$ 11,920	See Discussion/Assumptions - Task 6, Scope of Work	
6.10.2.2	Final Intensive Cultural Resources Survey Reports	3	6	6								8					3		6	3	35	\$ 4,940	\$ -	\$ -	\$ -	\$ -	\$ 4,940	See Discussion/Assumptions - Task 6, Scope of Work	
Task 7 - Supplemental Services																													
7.6	Re-Alignment & Limited Alignment/Parcel Field Work																				475	\$ 58,625	\$ 3,648	\$ 20,870	\$ 988	\$ 21,858	\$ 84,131		
7.6.1	Additional field surveys based on re-alignments	10	30		5	40	55	60	5	0	0	10	160		60		5	30	5		475	\$ 58,625	\$ 3,648	\$ 20,870	\$ 988	\$ 21,858	\$ 84,131	See Discussion/Assumptions - Task 7, Scope of Work	
Task 11 Limited Phase II Investigation - Seg C&D Pipeline Alignments																													
11.1	Project Management																												
11.1.1	Prepare Monthly Summary Reports/Invoicing	8	4					8													6	26	\$ 3,260	\$ -	\$ -	\$ -	\$ -	\$ 3,260	See Discussion/Assumptions - Task 11, Scope of Work
32.0	Implement PMP Requirements & QA/QC Plan Requirements	10		6			4	18													6	44	\$ 5,180	\$ -	\$ -	\$ -	\$ -	\$ 5,180	See Discussion/Assumptions - Task 11, Scope of Work
11.1.3	Schedule Development and Monthly Updates	8						16														24	\$ 2,880	\$ -	\$ -	\$ -	\$ -	\$ 2,880	See Discussion/Assumptions - Task 11, Scope of Work
11.1.4	Risk Register	4						12														16	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,800	See Discussion/Assumptions - Task 11, Scope of Work
11.1.5	Meetings																												
11.1.5.1	Attend Meetings							6														6	\$ 540	\$ -	\$ -	\$ -	\$ -	\$ 540	See Discussion/Assumptions - Task 11, Scope of Work
11.1.5.2	Additional Meetings - Owners Reps / Seg C & D	8						8														16	\$ 2,160	\$ -	\$ -	\$ -	\$ -	\$ 2,160	See Discussion/Assumptions - Task 11, Scope of Work
11.1.5.3	Internal Environmental Consultant Team Meetings	12	6					12														30	\$ 4,260	\$ -	\$ -	\$ -	\$ -	\$ 4,260	See Discussion/Assumptions - Task 11, Scope of Work
11.1.6	Deliverables																												
11.1.6.3	Meeting Notes	12						12														24	\$ 3,240	\$ -	\$ -	\$ -	\$ -	\$ 3,240	See Discussion/Assumptions - Task 11, Scope of Work
11.2	Limited Phase II Investigations																												
11.2.1	Field work & reporting																					0	\$ -	\$ -	\$ 53,544	\$ 77,758	\$ 131,302	\$ 131,302	See Discussion/Assumptions - Task 11, Scope of Work
11.2.2	Data Evaluation, Reporting & Project Management	8	4					32														44	\$ 5,000	\$ -	\$ 61,802	\$ -	\$ 61,802	\$ 66,802	See Discussion/Assumptions - Task 11, Scope of Work
11.3	Land Acquisition Coordination for parcel Access																												

Alliance Water - Work Order #7															Project Fee Summary																
Pipeline Consultant Prepared: November 12, 2020																															
Detailed Overall Env Consultant Cost Breakdown																															
															<table border="1"> <tr> <td>Basic Effort</td> <td>\$</td> <td>422,164</td> </tr> <tr> <td>Task #7 Effort</td> <td>\$</td> <td>84,131</td> </tr> <tr> <td>WO# 2 & 4 funds reallocation</td> <td>\$</td> <td>(106,466)</td> </tr> <tr> <td>Total Net Effort</td> <td>\$</td> <td>399,829</td> </tr> </table>					Basic Effort	\$	422,164	Task #7 Effort	\$	84,131	WO# 2 & 4 funds reallocation	\$	(106,466)	Total Net Effort	\$	399,829
Basic Effort	\$	422,164																													
Task #7 Effort	\$	84,131																													
WO# 2 & 4 funds reallocation	\$	(106,466)																													
Total Net Effort	\$	399,829																													

Task #	Project Role	PM	DPM	ENV Professional	Endangered Species Lead	Endangered Species Scientist	ENV Tech II	ENV Tech I	USACE Permit Lead	USACE Permit Scientist I	ENV Tech I	CR Lead	CR Scientist II	TWDB Lead	Env Tech II - Waters	Env Tech I - Waters	Senior GIS Analyst	GIS Analyst	GIS Tech	Admin	Total Hours	Total Labor Effort	Total Expense Effort	W&M Labor	W&M Expense Effort	Total Sub Effort	Total Effort	Assumptions
Hourly Bill Rate		\$180.00	\$170.00	\$150.00	\$160.00	\$130.00	\$110.00	\$90.00	\$160.00	\$130.00	\$90.00	\$160.00	\$130.00	\$160.00	\$110.00	\$90.00	\$140.00	\$110.00	\$95.00	\$70.00								
11.3.1	Complete two agendas and meeting w/ land acquisition	8					12													2	22	\$ 2,660	\$ -	\$ -	\$ -	\$ -	\$ 2,660	See Discussion/Assumptions - Task 11, Scope of Work
11.3.2	Complete and submit the PARF's	6					20														26	\$ 2,880	\$ -	\$ -	\$ -	\$ -	\$ 2,880	See Discussion/Assumptions - Task 11, Scope of Work
11.3.3	Coordination regarding landowners - Property Access	6					20														26	\$ 2,880	\$ -	\$ -	\$ -	\$ -	\$ 2,880	See Discussion/Assumptions - Task 11, Scope of Work
11.3.4	Conduct additional field work verifying prop access requirements	4	6				20														30	\$ 3,540	\$ -	\$ -	\$ -	\$ -	\$ 3,540	See Discussion/Assumptions - Task 11, Scope of Work
11.3.5	Field Work	3					8														11	\$ 1,260	\$ -	\$ -	\$ -	\$ -	\$ 1,260	See Discussion/Assumptions - Task 11, Scope of Work
Deliverables																												
11.3.6.1	GIS data uploads / updates	6					12														18	\$ 2,160	\$ -	\$ -	\$ -	\$ -	\$ 2,160	See Discussion/Assumptions - Task 11, Scope of Work
11.3.6.2	Field Checklists	6					12														18	\$ 2,160	\$ -	\$ -	\$ -	\$ -	\$ 2,160	See Discussion/Assumptions - Task 11, Scope of Work
11.3.6.3	Preliminary finding summaries	6	4				12														22	\$ 2,840	\$ -	\$ -	\$ -	\$ -	\$ 2,840	See Discussion/Assumptions - Task 11, Scope of Work

Grand Total	2083	\$ 269,545	\$ 14,363	\$ 143,641	\$ 78,746	\$ 222,387	\$ 506,295
WO# 2 excess funds						\$ (37,632)	
WO# 4 excess funds						\$ (68,834)	
Revised Total Funding Requested						\$ 399,829	

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

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

Background/Information

The Board 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 Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- J.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 Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

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

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

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- D. Consideration of Resolution 2020-11-18-002 approving a Purchase Agreement with Robert and Valerie Stillwell for a permanent pipeline easement on Parcel D045G.*
-

Attachment(s)

- Resolution 2020-11-18-002

Board Decision(s) Needed:

- Adoption of Resolution 2020-11-18-002.



ALLIANCE WATER

RESOLUTION NO. 20201118-002

A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING THE PURCHASE AGREEMENT WITH ROBERT AND VALERIE STILLWELL FOR A PERMANENT PIPELINE EASEMENT ON PARCEL D045G IN GUADALUPE COUNTY ASSOCIATED WITH THE AUTHORITY’S PHASE 1B PROJECT; AND DECLARING AN EFFECTIVE DATE

RECITALS:

- 1.** The Alliance Regional Water Authority (the “Authority”) made an initial offer to purchase an access easement on Parcel D045G on September 2, 2020.
- 2.** On November 9, 2020 the landowner made a counter-offer to the terms and purchase price of the access easement.

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:

SECTION 1. The Authority accepts the landowner counter-offer for the terms and purchase price of the easement associated with Parcel D045G.

SECTION 2. This Resolution shall be in full force and effect immediately upon its passage.

ADOPTED: November 18, 2020

ATTEST:

Chris Betz
Chair, Board of Directors

James Earp
Secretary, Board of Directors

REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS

Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

- E. *Consideration of Resolution 2020-11-18-003 finding Public Convenience and Necessity for and authorizing the acquisition of certain water pipeline easements and temporary construction easements and certain fee estates for the Alliance Regional Water Authority, Phase 1B Water Line Project in connection therewith, over, across, upon and under certain privately owned real estate properties; authorizing all appropriate actions by the Board of Directors, staff, retained attorneys and engineering and technical consultants in the institution and prosecution of condemnation proceedings to acquire any such needed fee estates and easements and temporary construction easements and related rights of ingress and egress that cannot be acquired through negotiation; declaring further negotiations futile; ratifying and affirming all acts and proceedings heretofore done or initiated by employees, agents, and attorneys of ARWA to acquire such property interests including necessary acts for any applicable lienholders for such properties; authorizing all other lawful action necessary and incidental to such acquisitions or eminent domain proceedings to survey, specify, define, and secure the necessary interests in real property; declaring the sections of the resolution to be severable one from the other in the event any section of the resolution is determined to be invalid; establishing an effective date; and finding and determining that the meeting at which this resolution is passed was noticed and is open to the public as required by law.*

Attachment(s)

- Resolution 2020-11-18-003

Board Decision(s) Needed:

- Adoption of Resolution 2020-11-18-003.



ALLIANCE WATER

RESOLUTION NO. 2020-11-18-003

A RESOLUTION BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY FINDING PUBLIC CONVENIENCE AND NECESSITY FOR AND AUTHORIZING THE ACQUISITION OF CERTAIN WATER PIPELINE EASEMENTS AND TEMPORARY CONSTRUCTION EASEMENTS AND CERTAIN FEE ESTATES FOR THE ALLIANCE REGIONAL WATER AUTHORITY, PHASE 1 B WATER LINE PROJECT IN CONNECTION THEREWITH, OVER, ACROSS, UPON AND UNDER CERTAIN PRIVATELY OWNED REAL PROPERTIES; AUTHORIZING ALL APPROPRIATE ACTION BY THE BOARD OF DIRECTORS, STAFF, RETAINED ATTORNEYS AND ENGINEERING AND TECHNICAL CONSULTANTS IN THE INSTITUTION AND PROSECUTION OF CONDEMNATION PROCEEDINGS TO ACQUIRE ANY SUCH NEEDED FEE ESTATES AND EASEMENTS AND TEMPORARY CONSTRUCTION EASEMENTS AND RELATED RIGHTS OF INGRESS AND EGRESS THAT CANNOT BE ACQUIRED THROUGH NEGOTIATION; DECLARING FURTHER NEGOTIATIONS FUTILE; RATIFYING AND AFFIRMING ALL ACTS AND PROCEEDINGS HERETOFORE DONE OR INITIATED BY EMPLOYEES, AGENTS, AND ATTORNEYS OF ARWA TO ACQUIRE SUCH PROPERTY INTERESTS INCLUDING NECESSARY ACTS FOR ANY APPLICABLE LIENHOLDERS FOR SUCH PROPERTIES; AUTHORIZING ALL OTHER LAWFUL ACTION NECESSARY AND INCIDENTAL TO SUCH ACQUISITIONS OR EMINENT DOMAIN PROCEEDINGS TO SURVEY, SPECIFY, DEFINE, AND SECURE THE NECESSARY INTERESTS IN REAL PROPERTY; DECLARING THE SECTIONS OF THE RESOLUTION TO BE SEVERABLE ONE FROM THE OTHER IN THE EVENT ANY SECTION OF THE RESOLUTION IS DETERMINED TO BE INVALID; ESTABLISHING AN EFFECTIVE DATE; AND FINDING AND DETERMINING THAT THE MEETING AT WHICH THIS RESOLUTION IS PASSED WAS NOTICED AND IS OPEN TO THE PUBLIC AS REQUIRED BY LAW.

WHEREAS, in order to promote public health, safety, and welfare, ALLIANCE REGIONAL WATER AUTHORITY (“ARWA”) hereby finds that public convenience and necessity require acquisition of permanent Pipeline and Right-of-Way Easements and, in some instances, temporary easements (cumulatively, “Easements”) over, or fee simple title

to certain tracts of land identified in the attached Exhibit being more specifically described by metes and bounds in Exhibit "A" for the public use to construct, reconstruct, operate, inspect, maintain and repair water transmission lines and related facilities and improvements (the "Project"); and

WHEREAS, in order to effectuate the Project, it will be necessary and convenient that agents, representatives, or employees of ARWA lay out the Project, and acquire these property rights from properties for the purpose of construction, reconstruction, operation, inspection, maintenance and repair of the Project; and

WHEREAS, it may be necessary to hire engineers, surveyors, appraisers, attorneys, title companies, architects, or other persons or companies to effect the laying out, establishment, and acquisition of land rights necessary to effectuate said Project; and

WHEREAS, in order to acquire the necessary land rights, it will be or has been necessary for ARWA's agents, representatives, or employees to enter upon the above-described properties for the purpose of surveying and establishing said land titles and to determine adequate compensation for said land rights, to conduct tests, and to negotiate with the owners thereof for the purchase of necessary land rights; and

WHEREAS, it was necessary to set out procedures for the establishment and approval of just compensation for the necessary land rights to be acquired for the Project; and

WHEREAS, as provided for by Texas Water Code, Chapter 65, including Sections 65.201 and the Texas Government Code Chapter 11010, including Sections 11010.101, 11010.102 and 11010.103, the Board finds and determines that each of the parcels of land listed below, and more particularly described in the attached Exhibits (parcels), are necessary or convenient as a part of the system of water pipelines to be constructed, reconstructed, operated, inspected, maintained, or repaired and it is necessary to acquire the Easements and fee simple title in the parcels or such lesser property interests as set forth in the attached Exhibits; and

WHEREAS, the Board finds and determines that the water pipeline facilities to be constructed or improved on the parcels identified and listed below and those property interests acquired; and

WHEREAS, the Board finds and determines that condemnation of the parcels is required; and

WHEREAS, the initiation of condemnation proceedings for the parcels is adopted and authorized by a single order for the parcels, and this first vote by the Board applies to all of the parcels.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF ALLIANCE REGIONAL WATER AUTHORITY:

SECTION 1.

1. That in order to promote the public health, safety, and welfare, public convenience and necessity require ARWA's acquisition of Easements, fee simple interests, and any such lesser property interests for the public use for construction, reconstruction, operation, maintenance, inspection and repair of water transmission lines and appurtenances over those certain parcels of land described with particularity on Exhibit "A," attached and incorporated herein by reference as if fully set out.
2. That ARWA's agents, representatives, or employees are hereby authorized to:
 - a. Lay out the exact location of the land area needed for the necessary property interests described herein;
 - b. Hire such engineers, surveyors, appraisers, title companies, architects, and other persons or companies needed to effect the laying out of the facilities, the establishment and acquisition of easement rights and other rights necessary for the Project;
 - c. Enter upon any property necessary for the purpose of surveying and establishing title, to determine adequate compensation for the necessary land rights, and to conduct tests;
 - d. Negotiate with the owners of any such properties for the purchase thereof;
 - e. To purchase any necessary easements and rights-of-way on, over, under and across each of the Easements and execute all documents necessary to acquire such necessary land rights;
 - f. Initiate eminent domain proceedings against the owner(s) of each of the Easements for acquisition thereof in the event the owner(s) fail to accept a bona fide offer to purchase each of the respective Easements; and
 - g. Take whatever further actions deemed appropriate to economically effect the establishment of the Project and appurtenances thereto.
3. That all previous acts and proceedings done or initiated by ARWA's agents, representatives, or employees for establishment of the Project, including the negotiation for and/or acquisition of any necessary property rights for any of the Easements are hereby authorized, ratified, approved, confirmed, and validated. This resolution shall take effect

immediately from and after its passage.

SECTION 2. That it is hereby officially found and determined that the meeting at which this resolution is passed is open to the public and that public notice of the time, place, and purpose of said meeting was given as required by law.

PASSED AND APPROVED this the ____ day of _____ 2020.

ALLIANCE REGIONAL WATER AUTHORITY

Chris Betz
Chair of the Board of Directors of
ALLIANCE REGIONAL WATER AUTHORITY

ATTEST:

James Earp
Secretary of the Board of Directors of
ALLIANCE REGIONAL WATER AUTHORITY

EXHIBIT "A"

<u>Parcel Number</u>	<u>Landowner</u>	<u>County</u>	<u>Survey</u>	<u>Abstract</u>	<u>Acres Owned</u>	<u>Property(ies)</u>
D029G – A, B, C	Roger Dale Linebarger	Guadalupe	Cyrus Campbell and Brothers	No. 8	A – 0.473-acres B – 0.677-acres C – 1.059-acres	A – 20.003-acres B – 26.902-acres C – 31.592-acres
D042G	Kevin Michael A/K/A Michael Kevin Michael and Kathy Michael A/K/A Kathryn Sue Michael, spouses	Guadalupe	Solomon Barnes	No. 56	1.704-acres	115.05-acres
D072G	Anthony B. St. John and Amanda B. St. John, husband and wife	Guadalupe	John Jones	No. 189	0.522-acres	5.554-acres

Parcel – D029G – A



Legal Description
0.473 Acre (20,604 Square Foot)
90 Foot Wide Permanent Easement

BEING A 0.473 ACRE, 90 FOOT WIDE PERMANENT EASEMENT, SITUATED IN THE CYRUS CAMPBELL AND BROTHERS SURVEY, ABSTRACT NO. 8, GUADALUPE COUNTY, TEXAS, AND BEING A PORTION OF THAT CALLED 20.003 ACRE TRACT OF LAND DESCRIBED IN DEED AS "TRACT 3" TO ROGER DALE LINEBARGER, AS RECORDED IN COUNTY CLERKS FILE NUMBER 2017-023103 OF THE OFFICIAL PUBLIC RECORDS OF GUADALUPE COUNTY, TEXAS (O.P.R.G.C.T.), AND FURTHER DESCRIBED IN VOLUME 459, PAGE 522 OF THE DEED RECORDS OF GUADALUPE COUNTY, TEXAS (D.R.G.C.T.) SAID 0.473 ACRE 90 FOOT WIDE PERMANENT EASEMENT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a point for the north corner hereof lying on the common line of said 20.003 acre tract and that called 30.804 acre tract of land described in deed to John Giberson and Angela Giberson, as recorded in Volume 2390, Page 1055 of said O.P.R.G.C.T. From which a 1/2 inch iron rod found lying on the common line of said 20.003 and 30.804 acre tracts same being the south corner of that called 2 acre tract of land described in Judgment to Patti J. Hoffmann, as recorded in Volume 795, Page 873 of said O.P.R.G.C.T. and further described in Volume 598, Page 386 of said D.R.G.C.T. bears N 48° 58' 02" E, a distance of 1,619.01 feet;

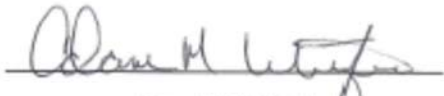
THENCE S 34° 42' 34" E, leaving said common line, over and across said 20.003 acre tract a distance of 228.91 feet, to a point for the east corner hereof lying on the common line of said 20.003 acre tract and that called 26.902 acre tract of land described as "Tract 2" in deed to Roger Dale Linebarger, as recorded in County Clerks File Number 2017-023103 of said O.P.R.G.C.T. and further described in Volume 448, Page 327 of said D.R.G.C.T. From which a 1 inch iron pipe found on the common line of said 20.003 and 26.902 acre tracts bears N 48° 55' 16" E, a distance of 1,928.71 feet;

THENCE S 48° 55' 16" W, along the common line of said 20.003 and 26.902 acre tracts a distance of 90.56 feet to a point for the south corner hereof. From which a 1/2 inch iron rod being the southerly common corner of said 20.003 and 26.902 acre tracts and lying on the northeasterly Right of Way (ROW) line of Farm to Market Road 621 (80 foot wide ROW) bears S 48° 55' 16" W, a distance of 15.10 feet;

THENCE N 34° 42' 34" W, leaving said common line, over and across said 20.003 acre tract, a distance of 228.96 feet to a point for the west corner hereof lying on the common line of said 20.003 and 30.804 acre tracts;

THENCE N 48° 58' 02" E, along the common line of said 20.003 and 30.804 acre tracts a distance of 90.55 feet, to the **POINT OF BEGINNING** and containing 0.473 acres, more or less.

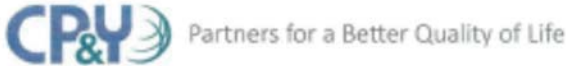
The bearings shown hereon are based on the Texas Coordinate System, South Central Zone, NAD 83/2011. All distances shown are in U.S. Survey Feet and may be converted to grid by applying the combined scale factor of 1.00013.


Adam M. Whitfield
Registered Professional Land Surveyor
Texas Registration Number 5786

Date: 04-14-2020
April 14, 2020



Parcel D029G – B



Legal Description
0.677 Acre (29,490 Square Foot)
90 Foot Wide Permanent Easement

BEING A 0.677 ACRE, 90 FOOT WIDE PERMANENT EASEMENT, SITUATED IN THE CYRUS CAMPBELL AND BROTHERS SURVEY, ABSTRACT NO. 8, GUADALUPE COUNTY, TEXAS, AND BEING A PORTION OF THAT CALLED 26.902 ACRE TRACT OF LAND DESCRIBED IN DEED AS "TRACT 2" TO ROGER DALE LINEBARGER, AS RECORDED IN COUNTY CLERKS FILE NUMBER 2017-023103 OF THE OFFICIAL PUBLIC RECORDS OF GUADALUPE COUNTY, TEXAS (O.P.R.G.C.T.), AND FURTHER DESCRIBED IN VOLUME 448, PAGE 327 OF THE DEED RECORDS OF GUADALUPE COUNTY, TEXAS (D.R.G.C.T.) SAID 0.677 ACRE 90 FOOT WIDE PERMANENT EASEMENT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a point for the north corner hereof lying on the common line of said 26.902 acre tract and that called 20.003 acre tract of land described as "Tract 3" in deed to Roger Dale Linebarger, as recorded in County Clerks File Number 2017-023103 of said O.P.R.G.C.T. and further described in Volume 459, Page 522 of said D.R.G.C.T. From which a 1 inch iron pipe found on the common line of said 26.902 and 20.003 acre tracts bears N 48° 55' 16" E, a distance of 1,928.71 feet;

THENCE S 34° 42' 34" E, leaving said common line, over and across said 26.902 acre tract a distance of 327.67 feet, to a point for the east corner hereof lying on the common line of said 26.902 acre tract and that called 31.592 acre tract of land described as "Tract 1" in deed to Roger Dale Linebarger, as recorded in County Clerks File Number 2017-023103 of said O.P.R.G.C.T. and further described in Volume 445, Page 108 of said D.R.G.C.T.;

THENCE S 48° 39' 01" W, along the common line of said 26.902 and 31.592 acre tracts a distance of 90.61 feet to a point for the south corner hereof. From which a 1/2 inch iron pipe being the southerly common corner of said 26.902 and 31.592 acre tracts and lying on the northeasterly Right of Way (ROW) line of Farm to Market Road 621 (FM 621) (80 foot wide ROW) bears S 48° 39' 01" W, a distance of 15.10 feet;

THENCE N 34° 42' 34" W, leaving said common line, over and across said 26.902 acre tract, a distance of 328.10 feet, to a point for the west corner hereof lying on the common line of said 26.902 and 20.003 acre tracts. From which a 1/2 inch iron rod found being the southerly common corner of said 26.902 and 20.003 acre tracts and lying on the northeasterly Right of Way (ROW) line of said FM 621 bears S 48° 55' 16" W, a distance of 15.10 feet;

THENCE N 48° 55' 16" E, along the common line of said 26.902 and 20.003 acre tracts a distance of 90.56 feet, to the POINT OF BEGINNING and containing 0.677 acres, more or less.

The bearings shown hereon are based on the Texas Coordinate System, South Central Zone, NAD 83/2011. All distances shown are in U.S. Survey Feet and may be converted to grid by applying the combined scale factor of 1.00013.

Adam M. Whitfield
Registered Professional Land Surveyor
Texas Registration Number 5786

Date: 04-14-2020
April 14, 2020



Parcel D029G - C



Legal Description
1.059 Acre (46,130 Square Foot)
Variable Width Permanent Easement

BEING A 1.059 ACRE, VARIABLE WIDTH PERMANENT EASEMENT, SITUATED IN THE CYRUS CAMPBELL AND BROTHERS SURVEY, ABSTRACT NO. 8, GUADALUPE COUNTY, TEXAS, AND BEING A PORTION OF THAT CALLED 31.592 ACRE TRACT OF LAND DESCRIBED IN DEED AS "TRACT 1" TO ROGER DALE LINEBARGER, AS RECORDED IN COUNTY CLERKS FILE NUMBER 2017-023103 OF THE OFFICIAL PUBLIC RECORDS OF GUADALUPE COUNTY, TEXAS (O.P.R.G.C.T.) AND FURTHER DESCRIBED IN VOLUME 445, PAGE 108 OF THE DEED RECORDS OF GUADALUPE COUNTY, TEXAS (D.R.G.C.T.) SAID 1.059 VARIABLE WIDTH PERMANENT EASEMENT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING at a found 1/2 inch iron pipe being the common southerly corner of said 31.592 acre tract and that called 26.902 acre tract of land described as "Tract 2" in deed to Roger Dale Linebarger, as recorded in County Clerks File Number 2017-023103 of said O.P.R.G.C.T. and further described in Volume 448, Page 327 of said D.R.G.C.T. and lying on the northeasterly Right of Way (ROW) line of Farm to Market Road 621 (FM 621) (80 foot wide ROW). From which a found 1/2 inch iron rod being the west corner of said 26.902 acre tract bears N 34° 42' 34" W, a distance of 326.17 feet;

THENCE S 34° 42' 34" E, along the common line of said 31.592 acre tract and the northeasterly ROW line of said FM 621, a distance of 406.61 feet to the POINT OF BEGINNING;

THENCE leaving said common line, over and across said 31.592 acre tract, the following two (2) courses and distances:

- 1. N 48° 47' 00" E, a distance of 15.10 feet, to a point for corner;
2. N 34° 42' 34" W, a distance of 406.64 feet, to a point for the west corner hereof lying on the common line of said 31.592 and 26.902 acre tracts. From which said found 1/2 inch iron pipe bears S 48° 39' 01" W, a distance of 15.10 feet;

THENCE N 48° 39' 01" E, along the common line of said 31.592 and 26.902 acre tracts a distance of 90.61 feet, to a point for the north corner hereof;

THENCE S 34° 42' 34" E, leaving said common line, over and across said 31.592 acre tract a distance of 497.42 feet, to a point for the east corner hereof lying on the common line of said 31.592 acre tract and that called 93.4 acre tract of land described in deed to Mary Lynda Lowman Henson, as recorded in Volume 2234, Page 190 of said O.P.R.G.C.T. and further described in Volume 167, Page 94 of said D.R.G.C.T.;

THENCE S 48° 49' 39" W, along the common line of said 31.593 and 93.4 acre tracts a distance of 105.67 feet, to a point for the south corner hereof lying on the common line of said 31.592 acre tract and the northeasterly ROW line of said FM 621;

THENCE N 34° 42' 34" W, along the common line of said 31.592 acre tract and the northeasterly ROW line of said FM 621 a distance of 90.49 feet, to the POINT OF BEGINNING and containing 1.059 acres, more or less.

The bearings shown hereon are based on the Texas Coordinate System, South Central Zone, NAD 83/2011. All distances shown are in U.S. Survey Feet and may be converted to grid by applying the combined scale factor of 1.00013.

Handwritten signature of Adam M. Whitfield

Adam M. Whitfield
Registered Professional Land Surveyor
Texas Registration Number 5786

Date: 04-14-2020
April 14, 2020



Parcel - D042G



Legal Description
1.704 Acre (74,226 Square Foot)
90 Foot Wide Permanent Easement

BEING A 1.704 ACRE, 90 FOOT WIDE PERMANENT EASEMENT, SITUATED IN THE SOLOMON BARNES SURVEY, ABSTRACT NO. 56, GUADALUPE COUNTY, TEXAS, AND BEING A PORTION OF THAT CALLED 115.05 ACRE TRACT OF LAND DESCRIBED IN DEED TO KEVIN MICHAEL AND KATHY MICHAEL, AS RECORDED IN VOLUME 1349, PAGE 728 OF THE OFFICIAL PUBLIC RECORDS OF GUADALUPE COUNTY, TEXAS (O.P.R.G.C.T.). SAID 1.704 ACRE 90 FOOT WIDE PERMANENT EASEMENT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a 5/8 inch iron rod found lying on the common northeast line of said 115.05 acre tract and the northwest line of that called 3.828 acre tract of land awarded to Shirley Parker in District Court Cause No. 11-0470-CV in Guadalupe County, Texas, being further described in Volume 2858, Page 620 of said O.P.R.G.C.T. for the north corner of the herein described tract;

THENCE S 41° 50' 58" E, along the common line of said 115.05 and 3.828 acre tracts a distance of 90.01 feet, to a point for corner;

THENCE leaving said common line, over and across said 115.05 acre tract, the following four (4) courses and distances:

1. S 48° 06' 25" W, a distance of 9.62 feet, to a point for corner;
2. S 02° 51' 01" W, a distance of 96.44 feet, to a point for corner;
3. S 47° 48' 21" W, a distance of 731.09 feet, to a point for the south corner hereof;
4. N 40° 56' 44" W, a distance of 50.53 feet, to a point for corner lying on the common line of said 115.05 acre tract and that called 77.511 acre tract of land described in deed to Amuffo Silva and Irene Silva, as recorded in Volume 415, Page 618 of the Deed Records of Guadalupe County, Texas (D.R.G.C.T.). From which a 6 inch steel fence post found, being an angle point in the common line of said 115.05 and 77.511 acre tracts bears S 15° 52' 14" W, a distance of 89.03 feet;

THENCE N 15° 52' 14" E, along the common line of said 115.05 and 77.511 acre tracts a distance of 107.54 feet, to a 3 inch steel fence post found being the most northerly common corner of said 115.05 and 77.511 acre tracts, also lying on southwesterly line of the remaining portion of that called 1/3 acre tract of land described in deed to Elena Gonzales, as recorded in Volume 2142, Page 179 of said O.P.R.G.C.T., and further described in Volume 229, Page 219, and in Volume 179, Page 542 of said D.R.G.C.T.;

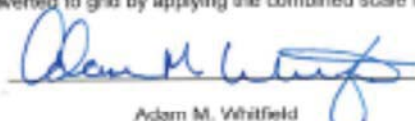
THENCE S 40° 56' 44" E, along the common line of said 115.05 and 10 acre tracts a distance of 17.43 feet, to a 1/2 inch iron rod found being the westerly common corner of said 115.05 and 10 acre tracts;

THENCE leaving said common line, over and across said 115.05 acre tract, the following three (3) courses and distances:

1. N 47° 48' 21" E, a distance of 601.88 feet, to a point for corner;
2. N 02° 51' 01" E, a distance of 96.63 feet, to a point for corner;
3. N 49° 06' 25" E, a distance of 46.55 feet, to the **POINT OF BEGINNING** and containing 1.704 acres, more or less.

The bearings shown hereon are based on the Texas Coordinate System, South Central Zone, NAD 83/2011. All distances shown are in U.S. Survey Feet and may be converted to grid by applying the combined scale factor of 1.00013.




Adam M. Whitfield
Registered Professional Land Surveyor
Texas Registration Number 5786

Date: 01.24.2020
January 24, 2020

Page 2 of 3

D042G

260 West Highway 6, Suite 620
Waco, Texas 76712
TSPS # F-1241
TSPLS # 1939024
p: 254.772.0272 · f: 254.770.2024
www.cpy.com



Parcel – D072G



Legal Description
0.522 Acre (22,738 Square Foot)
90 Foot Wide Permanent Easement

BEING A 0.522 ACRE, 90 FOOT WIDE PERMANENT EASEMENT, SITUATED IN THE JOHN JONES SURVEY, ABSTRACT NO. 189, GUADALUPE COUNTY, TEXAS, AND BEING A PORTION OF THAT CALLED 5.554 ACRE TRACT OF LAND DESCRIBED IN DEED TO ANTHONY B. ST. JOHN AND AMANDA B. ST. JOHN, AS RECORDED IN COUNTY CLERKS FILE NUMBER 2018-00021683 OF THE OFFICIAL PUBLIC RECORDS OF GUADALUPE COUNTY, TEXAS (O.P.R.G.C.T.). SAID 0.522 ACRE 90 FOOT WIDE PERMANENT EASEMENT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a 1/2 inch capped iron rod found stamped "B&A RPLS 2633", being an outside "ell" corner of said 5.554 acre tract also being an inside "ell" corner of that called 98.0 acre tract of land described in deed to Leroy Dietert, as recorded in Volume 248, Page 215 of the Deed Records of Guadalupe County, Texas (D.R.G.C.T.) for the easterly northeast corner of the herein described tract;

THENCE S 01° 23' 21" E, along the common line of said 5.554 and 98.0 acre tracts a distance of 79.95 feet, to a point lying on the north line of that called 20 foot wide water line easement to Crystal Clear Water Supply Corporation, as recorded in Volume 375, Page 509 of said D.R.G.C.T. for the southeast corner hereof. From which a 1/2 inch capped iron rod found stamped "B&A RPLS 2633", being the southerly common corner of said 5.554 and 98.0 acre tracts bears S 01° 23' 21" E, a distance of 20.00 feet;

THENCE S 88° 31' 01" W, leaving said common line, over and across said 5.554 acre tract and along the north line of said 20 foot wide easement a distance of 253.75 feet, to a point for corner lying in the common line of said 5.554 acre tract and that called 91.0 acre tract of land described in deed to Milton Dietert, as recorded in Volume 207, Page 416 of said D.R.G.C.T. for the southwest corner hereof. From which a 1/2 inch capped iron rod found stamped "B&A RPLS 2633", being the southerly common corner of said 5.554 and 91.0 acre tracts bears S 0° 02' 14" E, a distance of 20.00 feet;

THENCE N 01° 02' 14" W, along the common line of said 5.554 and 91.0 acre tracts a distance of 90.00 feet, to a point for the northwest corner hereof. From which a 1/2 inch capped iron rod found stamped "B&A RPLS 2633", being the northwest corner of said 5.554 acre tract bears N 01° 02' 14" W (record call is N 01° 02' 11" W), a distance of 2,814.05 feet;

THENCE N 88° 31' 01" E, leaving said common line, over and across said 5.557 acre tract, a distance of 241.49 feet, to a point lying on the common line of said 5.554 and 98.0 acre tracts for the northerly northeast corner hereof. From which a 1/2 inch capped iron rod stamped "B&A RPLS 2633" found being an angle point on the said common line bears N 50° 48' 39" W, a distance of 229.32 feet;

THENCE S 50° 48' 39" E, along the common line of said 5.554 and 98.0 acre tracts a distance of 15.42 feet, to the **POINT OF BEGINNING** and containing 0.522 acres, more or less.

The bearings shown hereon are based on the Texas Coordinate System, South Central Zone, NAD 83/2011. All distances shown are in U.S. Survey Feet and may be converted to grid by applying the combined scale factor of 1.00013.

Adam M. Whitfield
Registered Professional Land Surveyor
Texas Registration Number 5786

Date: 01-24-2020
January 24, 2020



REGULAR MEETING
Alliance Regional Water Authority Board of Directors

BOARD MEMBER PACKETS
Wednesday, November 18, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 730 061 054#

K. ADJOURNMENT
