

## Texas Commission on Environmental Quality

Water Availability Division  
MC-160, P.O. Box 13087 Austin, Texas 78711-3087  
Telephone (512) 239-4600, FAX (512) 239-2214

### WATER CONSERVATION IMPLEMENTATION REPORT FORM AND SUMMARY OF UPDATES/REVISIONS TO WATER CONSERVATION PLAN

(Texas Water Code §11.1271(b) and Title 30 Texas Administrative Code §288.30(1) to (4))

Please note, this form replaces the following forms: TCEQ-20645 (Non-Public Water Suppliers) and TCEQ-20646 (Public Water Suppliers)

**This Form is applicable to the following entities:**

1. **Water Right Holders of 1,000 acre-feet or more for municipal, industrial, and other non-irrigation uses.**
2. **Water Right Holders of 10,000 acre-feet or more for irrigation uses.**

The above noted entities are required by rule to submit updates to their water conservation plan(s) and water conservation implementation report(s) every five years beginning May 1, 2009. See 30 Texas Administrative Code (TAC) §288.30(1) to (4). Entities must also submit any revisions to their water conservation plan within 90 days of adoption when the plans are revised in between the five-year submittal deadlines. This form may be used for the five-year submittal or when revisions are made to the water conservation plans in the interim periods between five-year submittals. Please complete the form as directed below.

1. Water Right Holder Name: Bexar Medina Atascosa Water Control and Improvement District No. 1
2. Water Right Permit or Certificate Nos. 2130-603 / 2130-604 / 2130-605 / 2131-602 / 3207-602

3. Please Indicate by placing an 'X' next to all that Apply to your Entity:

Water Right Holder of 1,000 acre-feet or more for non-irrigation uses

- Municipal Water Use by Public Water Supplier  
 Wholesale Public Water Supplier  
 Industrial Use  
 Mining Use  
 Agriculture Non-Irrigation

Water Right Holder of 10,000 acre-feet or more for irrigation uses

- Individually-Operated Irrigation System  
 Agricultural Water Suppliers Providing Water to More Than One User

#### Water Conservation Implementation Reports/Annual Reports

4. Water Conservation Annual Reports for the previous five years were submitted to the Texas Water Development Board (TWDB) for each of the uses indicated above as required by 30 TAC §288.30(10)(C)? Yes  No

**TCEQ no longer requires submittal of the information contained in the detailed implementation report previously required in Forms TCEQ-20645 (Non-Public Water Suppliers) and TCEQ-20646 (Public Water Suppliers). However, the Entity must be up-to-date on its Annual Report Submittals to the TWDB.**

**Water Conservation Plans**

5. For the five-year submittal (or for revisions between the five-year submittals), attach your updated or revised Water Conservation Plan for each of the uses indicated in Section 3, above. Every updated or revised water conservation plan submitted must contain each of the minimum requirements found in the TCEQ rules and must be duly adopted by the entity submitting the water conservation plan. Please include evidence that each water conservation plan submitted has been adopted.

- Rules on minimum requirements for Water Conservation Plans can be found in 30 TAC Chapter 288.  
[http://texreg.sos.state.tx.us/public/readtac%24ext.ViewTAC?tac\\_view=4&ti=30&pt=1&ch=288](http://texreg.sos.state.tx.us/public/readtac%24ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=288)
- Forms which include the minimum requirements and other useful information are also available to assist you. Visit the TCEQ webpage for Water Conservation Plans and Reports. [https://www.tceq.texas.gov/permitting/water\\_rights/wr\\_technical-resources/conserv.html](https://www.tceq.texas.gov/permitting/water_rights/wr_technical-resources/conserv.html)

Call 512-239-4600 or email to [wcp@tceq.texas.gov](mailto:wcp@tceq.texas.gov) for assistance with the requirements for your water conservation plan(s) and report(s).

6. For each Water Conservation Plan submitted, list dates and descriptions of the conservation measures implemented, and the actual amount of water saved.

In the last 5 years we have installed 89,760 feet of pipe with the estimate cost of \$5,619,743.00. Some of these projects we are unable to measure the actual amount of water saved due to not being able to deliver water due to drought conditions. We are projecting a water saving on the 2023 project alone of 61,585,839 gallons of water based on only a 90 day usage. I have attached a list of completed projects for last 5 years with the exception of 114, 20 foot (total 2,280 feet) of separate sections piped. See attachment A 1-4.

7. For each Water Conservation Plan submitted, state whether the five and ten-year targets for water savings and water loss were met in your *previous* water conservation plan.

Yes \_\_\_\_\_ No x \_\_\_\_\_

If the targets were not met, please provide an explanation as to why any of the targets were not met, including any progress on that particular target.

Cost increase for material and labor shortage.

8. For each five-year submittal, does each water conservation plan submitted contain *updated* five and ten-year targets for water savings and water loss?  
Yes  No

If yes, please identify where in the water conservation plan the updated targets are located (page, section).

Form TCEQ-10244 Section B-9  
Form TCEQ -20162 Section V,A

9. In the box below (or in an attachment titled "Summary of Updates or Revisions to Water Conservation Plans), please identify any other revisions/updates made to each water conservation plan that is being updated or revised. Please specify the water conservation plan being updated and the location within the plan of the newly adopted updates or revisions.

None

10. Form Completed by (Point of Contact): Brian Sullivan & Bonnie Tapp Sallee  
(If different than name listed above, owner and contact may be different individual(s)/entities)

Contact Person Title/Position: Field Manager / Office Manager

Contact Address: PO Box 170 Natalia, Texas 78059

Contact Phone Number: 830-665-2132 Contact Email Address: bonnie@bmawater.org

Signature:  Date: 4/22/2024

V. OTHER REQUIREMENTS

A.	Specific, Quantified Five and Ten Year Targets:		Savings (AF/yr)	Target Date
		5-YEAR	6,000 (10%)	2029
		10-YEAR	12,000 (20%)	2034
		These goals will be achieved by implementation of nine specific conservation measures described on following- - pages.		
B.	Metering Devices and Leak Detection and Repair.	A continuously recording measures the volume on all water diverted into the Medina River from the Medina Canal. The water is delivered by bed and banks transport to BMA's only Wholesale customer (SAWS). SAWS continuously records all water diverted out of the river. BMA ditch riders make regular continuous inspections and report all leaks to the Maintenance office. Major equipment is available to repair all reported leaks.		
C.	Records Management	BMA's record management program contains records of all diversions into and out the river to keep track of deliveries and losses.		
D.	Reservoir System Operations Plan.	BMA only has one Reservoir, Medina Lake.		
E.	Contract Requirements for Successive Customer Conservation	SAWS is currently the only wholesale customer of BMA. The existing contract requires SAWS to have TCEQ-approved Water Conservation Plan that addresses successive customer conservation. Every water supply contract entered into or renewed after official adoption of the water conservation plan, and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements of Rule 288.5. If the wholesale customer intends to resell the water, then the contract between BMA and the wholesale customer must provide the contract for the resale of the water and the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with Rule 288.5.		
F.	Enforcement Procedure and Official Adoption	SAWS is currently the only wholesale customer of BMA. All BMA diversions from the Medina Lake Canal System are regulated by the South Texas Water Master. BMA controls the release of water to SAWS through single		

		gate. Enforcement is accomplished by simply not opening the gate that releases water to from the Canal to the Medina River for transport to SAWS downstream.
G.	Coordination with Regional Water Planning Groups	The service area of SAWS is located within the South Central Regional Planning Area (Region L). A copy of this conservation plan has been provided to the South Central Regional Planning Group.
H.	Plan Review and Update	BMA will review and update this Water Conservation Plan every five years.

BMA WATER CONSERVATION MEASURES

<b>MEASURE #1 IMPROVE TRANSPORTATION EFFICIENCIES</b>			
Modify, replace and repair existing irrigation water distribution and transmission facilities to improve water transportation efficiency, and reduce losses associated with evaporation, seepage and theft. Continue regular visual canal checks for leak detection in conjunction with monitoring of meters.			
Date Begin	2007	Target Date	2030

<b>MEASURE #2 ENHANCE VOLUME OF WATER IN ON-CHANNEL AND OFF-CHANNEL PONDS</b>			
Remove sediment and increase storage capacity of off-channel storage lakes.			
Date Begin	2023	Target Date	2030

<b>MEASURE #3 IMPROVE METERING OF WATER</b>			
Install additional meters along the canal to target specific areas to measure water flow in the BMA canal system.			
Date Begin	2024	Target Date	2034

<b>MEASURE #4 DEVELOP WATER CONSERVATION RATES</b>			
Develop water conservation rates based on volume of water consumed per acre (after studying current water usage levels, irrigation techniques, and pricing information).			
Date Begin	2023	Target Date	2026

<b>MEASURE #5 STORAGE FACILITIES</b>			
Encourage construction and use of tail water retention ponds and storage facilities to facilitate efficiency of water use. and prevent water loss and/or waste.			
Date Begin	2024	Target Date	2034

**MEASURE #6 IMPROVE PRE-IRRIGATION FIELD PREPARATION**

Encourage proper pre-irrigation field preparation (including land leveling and construction of tailwater retention ponds) to reduce water loss and/or waste.

Date Begin 2007  Target Date 2028

**MEASURE #7 PROVIDE EDUCATIONAL MATERIALS**

Provide educational materials regarding water conservation, reuse, prevention of waste and irrigation techniques.

Date Begin 2023  Target Date 2028

**MEASURE #8 COORDINATE OF CONSERVATION ACTIVITIES WITH OTHER AGENCIES**

Work with TCEQ, TWDB, NRCS and other State and Federal agencies to enhance conservation practices available to all BMA customers. Copy of plan to be filed with Region L. Plan approved by BMA Board to be approved by TCEQ.

Date Begin 2023  Target Date 2033

**MEASURE #9 CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER**

Investigate and implement within the current water study of utilization of groundwater resources in conjunction with surface water to improve the conservation of both resources. Such practices will involve use of groundwater in place of surface water and storage of surface water underground for later recovery and reuse

Date Begin 2023  Target Date 2028

Large

**Proposed 2021 Piping Projects** & 2022 Piping Projects

October 15, 2020

Categories

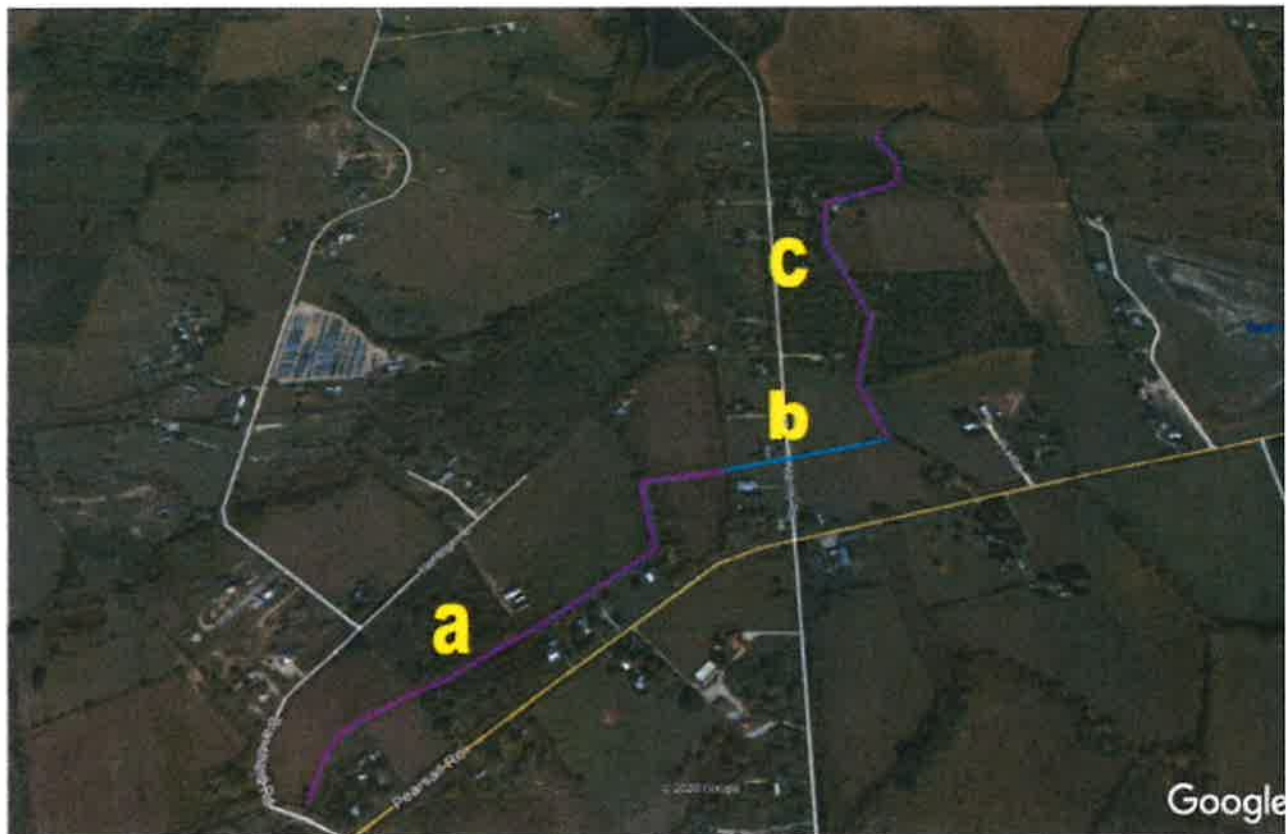
Tags



## Proposed 2021 Piping Projects

- 1.** Blanchard inlet to Seale property total of 6,185 feet and includes siphon replacement.  
(A, B & C) Starting December 1, 2020 and completing February 15, 2021.

a. Blanchard to Kearney Siphon	2,600' of 18"
b. Kearney Siphon replacement	785' of 18"
c. Kearney Siphon to Seale	2,800' of 18"



5,400' of 18" pipe	\$78,300.00
785' of 18" Heavy Wall PVC	\$34,000.00
Bore Under Kearney Rd	\$18,600.00
7 boxes	\$7,700.00
7 gates	\$3,990.00
<b>Total Piped 6,185 feet. Total Cost \$142, 590.00</b>	

### Proposed 2021 Piping Projects

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- 2. Shepherd to Dillon total of 3,475 feet of 24". Starting February 16, 2021 and completing April 1, 2021.

Shepherd to Dillon

3,475' of 24"



3,475' of 24" pipe	\$72,975.00
3 boxes	\$3,300.00
1 gate	\$570.00

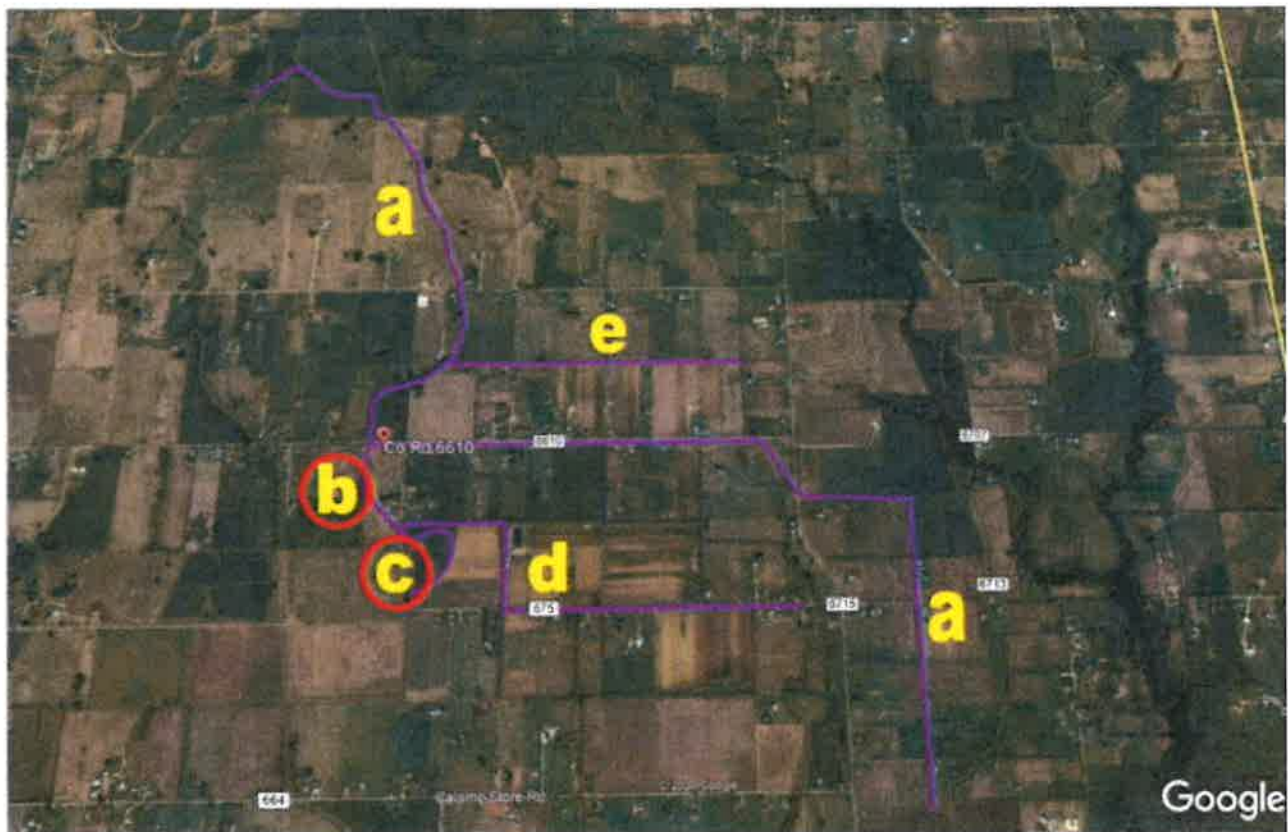
**Total Piped 3,475 feet. Total cost is \$76,845.00**

### Proposed 2021 Piping Projects

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3. *B & C at this time* - CR 6610 to Johnson 1,750 feet of 18" and 1,890 feet of 12" for a total of 3,640 feet. Starting April 2, 2021 and completing July 1, 2021.

a. D1 to D2	22,300' of 24"
<b>b. CR 6610 to 676</b>	<b>1,750' of 18"</b>
<b>c. CR 676 to Johnson</b>	<b>1,890' of 12"</b>
d. Stull to Aguirre on 675	7,040' of 18"
e. Cupp to Rizo 2-F	4,480' of 12"



22,300' of 24" pipe	\$468,300.00
8,790' of 18" pipe	\$127,455.00
6,370' of 12"	\$49,367.50
29 boxes	\$31,900.00
45 gates	\$25,650.00

**Total Piped 37,460 feet. Total cost is \$702,672.50**



**Proposed 2021 Piping Projects**

**4. A & B A3-E (Milwards Barn) to end of line (across FM 463) and to FM 463 on the Lopez Canal 6,560 feet of 24" and 2,360 feet of 18" total of 8,920 feet. Starting July 2, 2021 and completing November 30, 2021.**

- a. A3-E Lake Shore Canal 6,560' of 24"**
- b. A3-E-2 Lopez Canal 2,360' of 18"**



6,560' of 24" pipe	\$137,760.00
2,360' of 18" pipe	\$34,220.00
4 boxes	\$4,400.00
8 gates	\$4,560.00

**Total Piped 8,920 feet. Total cost is \$180,940.00**

Large

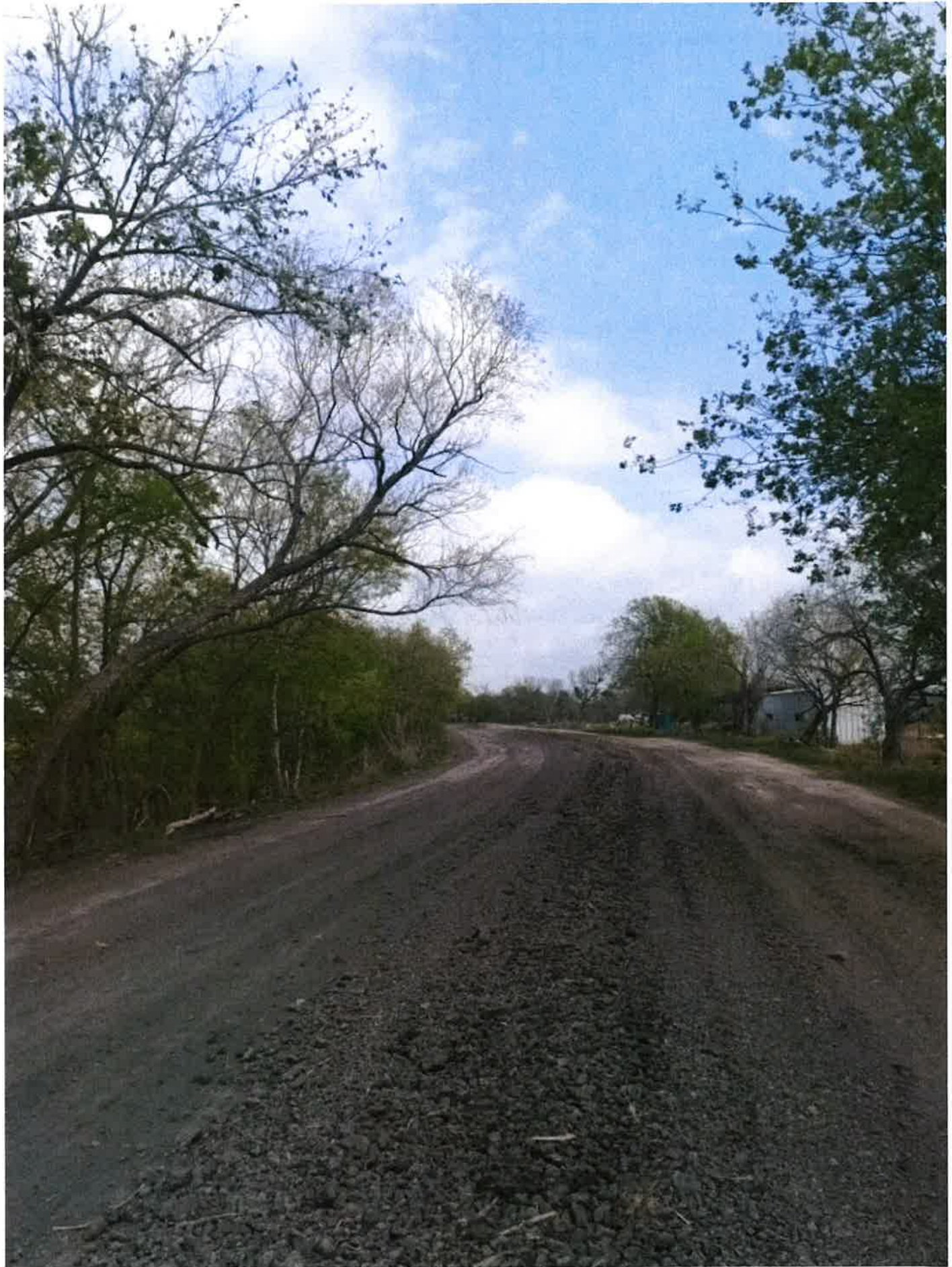
## **BMA Installs 10,000 Feet Pipe between CR 5719 and CR 679**

April 7, 2023

Categories

Tags

10,000 feet of 36" pipe has been installed off of the A4 Main Canal between CR 5719 to CR 679. This newly installed pipe will improve delivery time and conservation.



















A2- 80714





A2 90F14















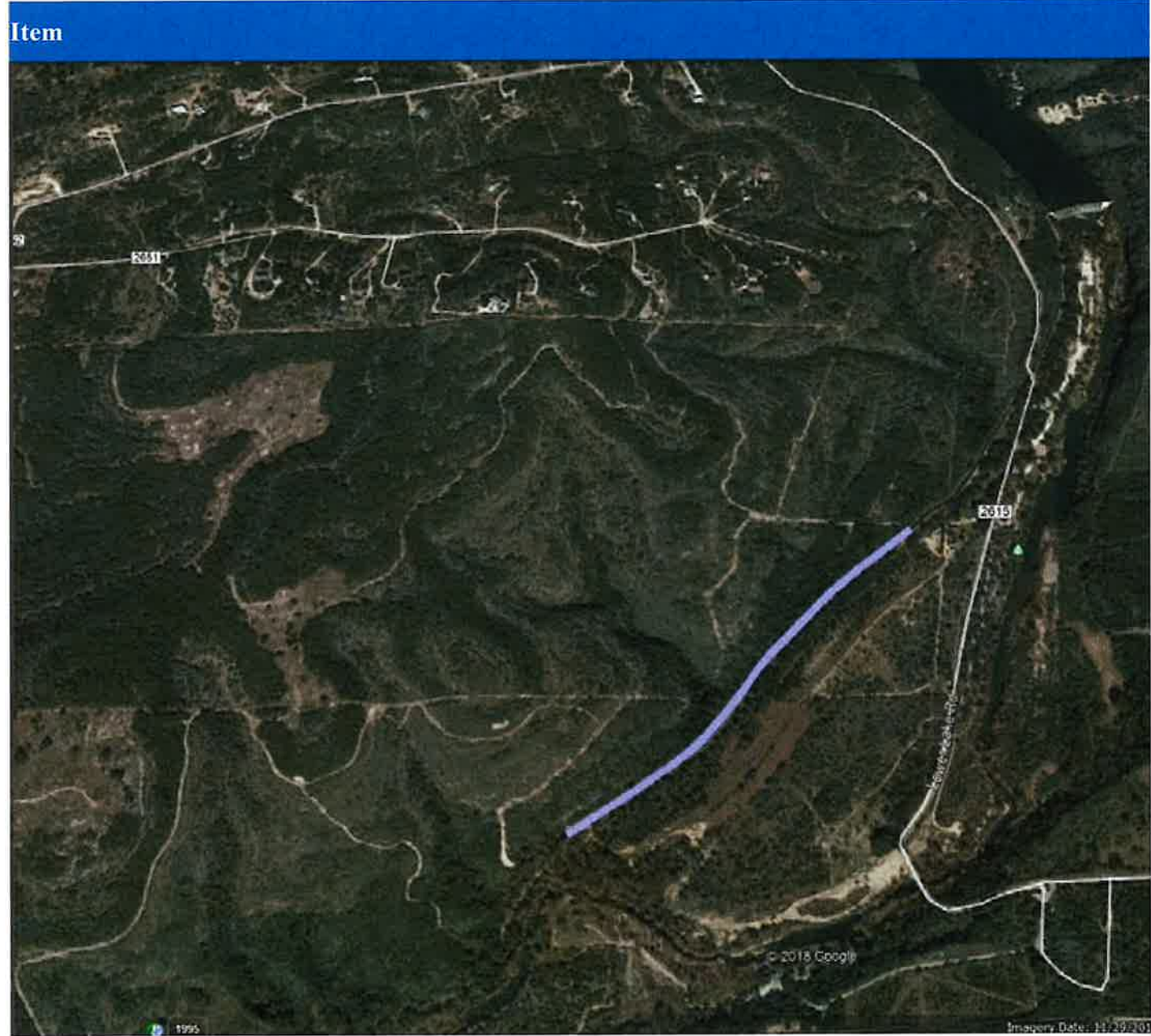




# Large 2019 Piping Projects

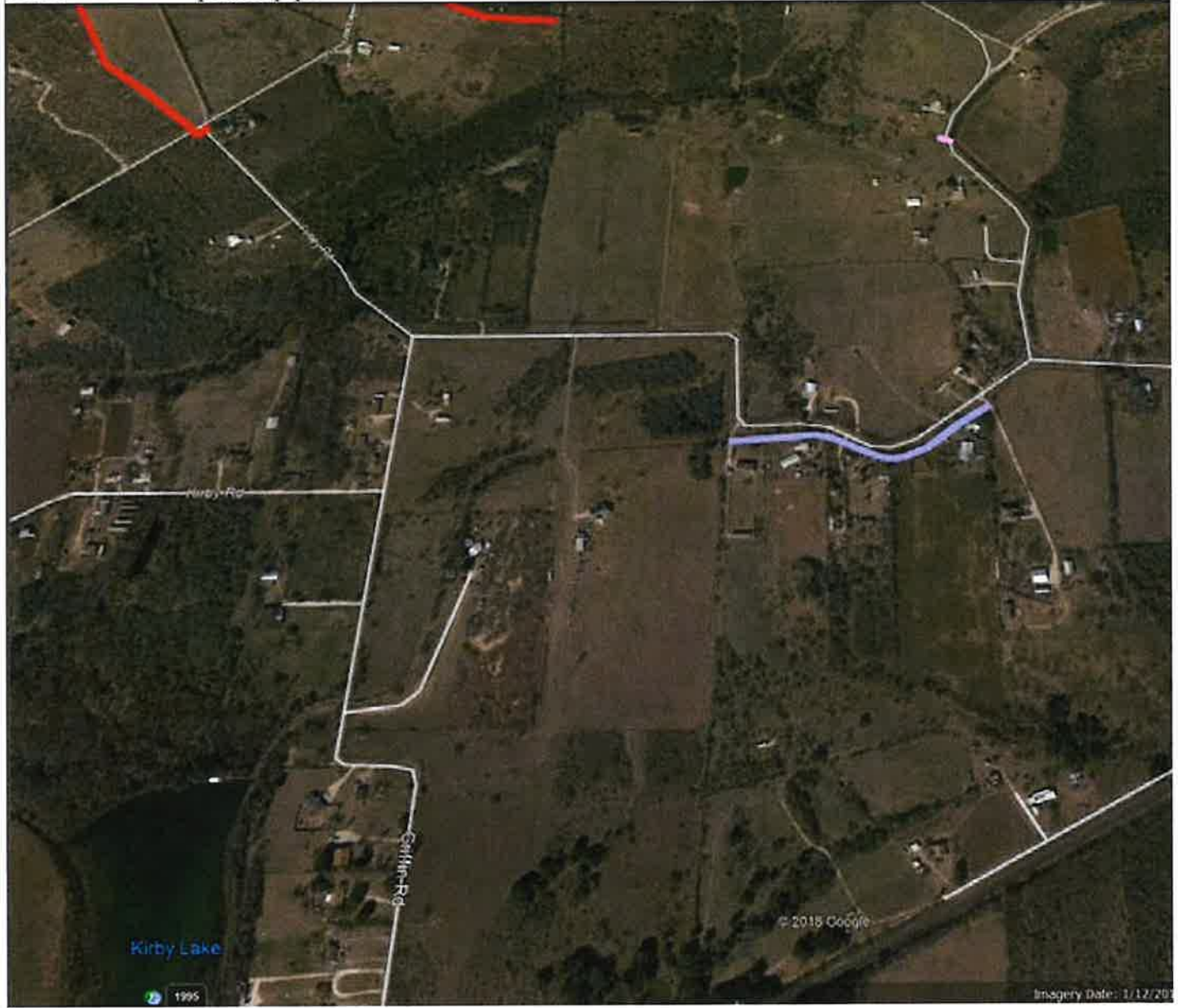
September 19, 2018  
Categories  
Tags

The piping schedule for 2019 was approved by board action on September 10, 2018 at the Regular Scheduled Board Meeting. These projects will begin in January 2019. / Completed April 2020



Main Canal from cement through to inlet of Siphon #1

Twin 48" Hancor plastic pipe at \$114.00



Kirby Lake to Wheeler Road

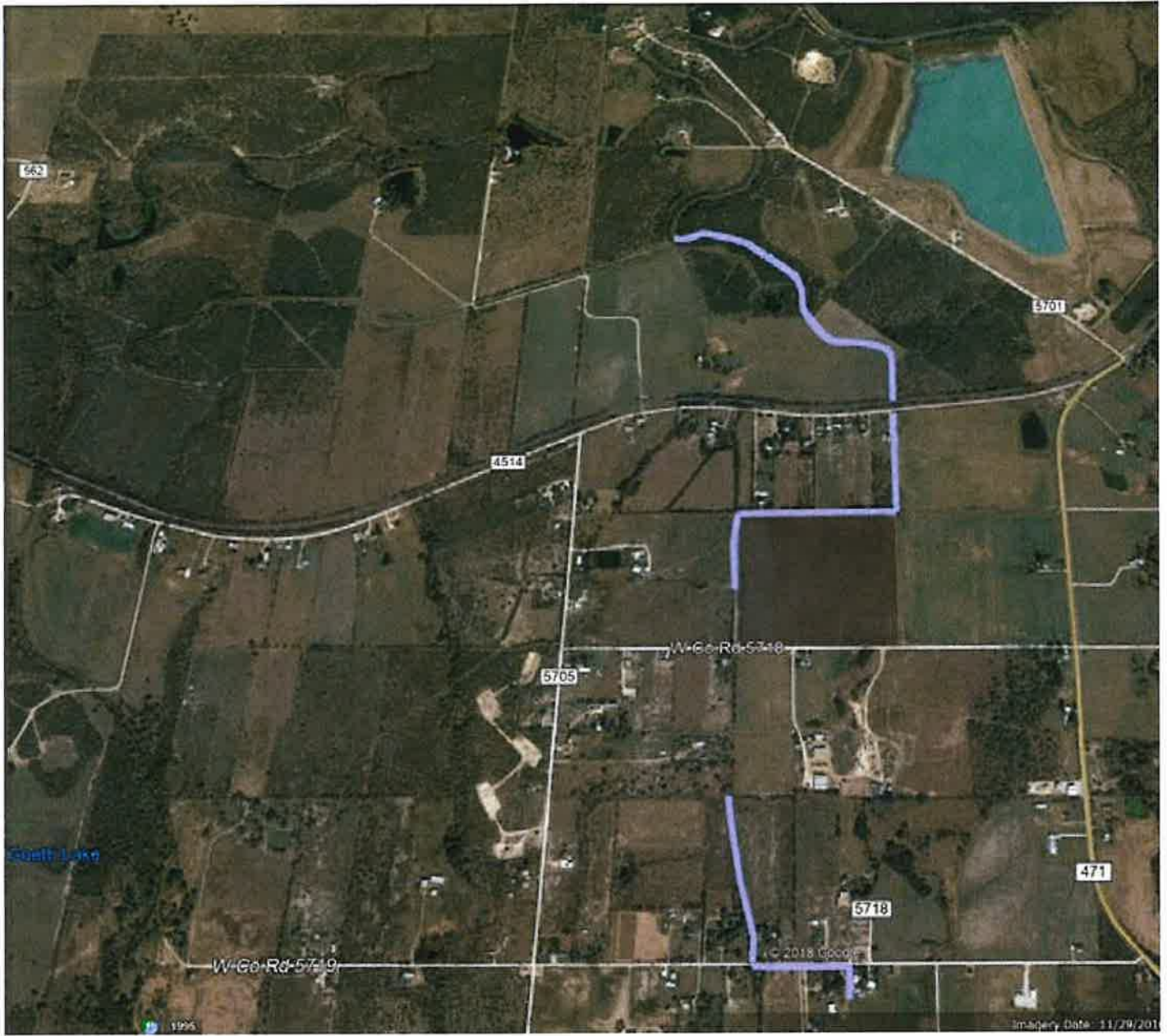
1240 feet 18 inch at \$13.50 - \$16,740.00  
2 boxes, 2 headwalls, 3 screw gates - \$3,500.00





High Section past Shrimp Farm to Youngman Place

- 5000 feet of 18" - \$67,500.00
- 2300 feet of 12" - \$17,250.00
- 4 boxes, 4 gates - \$6,000.00



Main D-1 to Duncan Place

- 7000 feet 18" - \$94,500.00
- 5120 feet 12" - \$38,400.00
- 11 boxes, 25 screw gates - \$23,700.00

Larse

### D1 to Collazo Piping 2018

September 21, 2018

Categories

Tags This project was completed in February 2019

**2018 Piping of the D1 Canal to Collazo Property. 2, 501 feet of 12" pipe and 1,908 feet of 18" pipe.**

























A RESOLUTION OF THE BOARD OF DIRECTORS OF THE BEXAR-MEDINA-ATASCOSA WATER CONTROL AND IMPROVEMENT DISTRICT NO. ONE ADOPTING THE UPDATED WATER CONSERVATION PLAN

WHEREAS, the Board of Directors recognizes that the amount of water available to the Bexar-Medina-Atascosa Counties Water Control & Improvement District No. One and its customers is limited and subject to depletion during periods of extended drought; and

WHEREAS, Section 11.1272 of the Texas Water Code and applicable rules of the Texas Commission on Environmental Quality (as may be periodically amended) require all water supply systems in Texas to prepare and periodically update a drought contingency plan; and

WHEREAS, as authorized under law, and in the best interests of the customers of the Bexar-Medina-Atascosa Counties Water Control & Improvement District No. One, the Board deems it expedient and necessary to establish certain rules and policies for the orderly and efficient management of limited water supplies during drought and other water supply emergencies.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE BEXAR-MEDINA-ATASCOSA WATER CONTROL AND IMPROVEMENT DISTRICT NO. ONE:

SECTION 1. That the Water Conservation Plan attached hereto as Exhibit "A" and made a part hereof for all purposes be, and the same is hereby, adopted as the official policy of the Bexar-Medina-Atascosa Counties Water Control & Improvement District No. One.

SECTION 2. That the Manager is hereby directed to implement, administer and enforce the Water Conservation and Drought Contingency Plan.

SECTION 3. That this resolution shall take effect immediately upon its passage.

PASSED this 22<sup>nd</sup> day of April, 2024.

\_\_\_\_\_  
President, Board of Directors

Attest:

  
\_\_\_\_\_  
Secretary, Board of Directors