

MINUTES OF MEETING OF BOARD OF DIRECTORS
DECEMBER 3, 2019

THE STATE OF TEXAS
COUNTY OF HARRIS
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

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The Board of Directors (the "Board") of Harris County Municipal Utility District No. 50 (the "District") met in regular session for Operation and Engineering matters, open to the public, at 12900 Crosby Lynchburg Road, Barrett Station, Texas, at 6:00 p.m. on December 3, 2019, whereupon the roll was called of the Directors, to-wit:

Martin Lemond, President
Andrew Sonnier, Vice President
Daryl Johnson, Treasurer
Alice Dangerfield, Secretary
Elyard David, Assistant Secretary

All members of the Board were present, thus constituting a quorum. Also attending all or parts of the meeting were Ms. Alma Medrano, resident of the District; Ms. Dara Eng, District Manager; Mr. John Hall, District Advisor; Mr. Reggie Wilson and Ms. Brenda Presser of Norton Rose Fulbright US LLP ("NRF"), attorneys for the District; Ms. Kandy Pfeffer of ETI Bookkeeping Services ("ETI"), bookkeeper for the District; and Ms. Amber Hurd, of Cobb Fendley & Associates, Inc. ("Cobb Fendley"), engineer for the District.

The meeting was called to order, and in accordance with notice posted pursuant to law, copies of certificates of posting of which are attached hereto as *Exhibit A*, the following business was transacted:

1. **Public comments.** President Lemond recognized Ms. Alma Medrano who requested that her neighbor's meter be removed from the front of her property. Ms. Medrano stated that the previous owner said that a meter currently exists for her property, therefore, she questioned the District's requirement to pay for a new water tap. Discussion ensued regarding appropriate installation of meters at 734 Ridge, 730 Ridge and 722 Ridge, respectively. The Board told Ms. Medrano that meters for 734 Ridge, 730 Ridge and 722 Ridge will be separated and placed in front of the correct properties to avoid future confusion.

2. **Approve Minutes from November 11, 2019.** The Board reviewed the minutes of the meeting held on November 11, 2019, a copy of which was previously distributed to the Board.

Upon motion by Director Dangerfield, seconded by Director Sonnier, after full discussion and the question being put to the Board, the Board voted unanimously to approve the minutes of November 11, 2019, as presented.

3. **Review Comprehensive Project Plan.** The Board requested that this item be removed from the agenda..

4. **Review and approve Engineer's Report and take such other action that may be necessary for District projects.** President Lemond recognized Ms. Hurd, who presented to and reviewed with the Board the Engineer's Report, a copy of which is attached hereto as *Exhibit C*.

Design Projects:

2019 Sanitary Rehabilitation – Ms. Hurd reported that seven bids were received and that the lowest bid was received from CZ Construction LLC in the amount of \$810,372.10. She stated that this project will be funded with proceeds from the CWSRF 2018 loan.

Wastewater Treatment Plant No. 2 Phase 2 – Ms. Hurd reported that the design plans were sent to the Texas Water Development Board (“TWDB”) for review.

Drinking Water State Revolving Fund (“DWSRF”) 2016 Plant 3 Site Acquisition – There were no updates for this item.

Construction Projects:

DWSRF 2016 Water Plant Improvements – Ms. Hurd stated the tank foundations at Water Plant No. 2 have been completed and recommended approval of Pay Estimate No. 2 for \$36,005.00.

Development Projects:

Church of Nazarene – Ms. Hurd reported the Church of Nazarene (the “Church”) is requesting a utility commitment to serve the Church and residence located at 20707 Highway 90. She stated the District does not have available capacity to serve the Church and residence, as requested. Discussion ensued regarding construction of a private well versus a community well and necessary criteria for both. Ms. Hurd discussed options, including a joint project with the Church for construction of a private water well and a waterline on the opposite side of Highway 90 to connect to the District’s water system. In response to the Board’s inquiry regarding costs, Ms. Hurd estimated the cost for construction of a private well to be approximately \$50,000 and discussed an additional consideration to enter into an agreement with the Church for a contribution of \$50,000 to the District for construction of a community well. Following discussion, the Board directed Ms. Hurd to respond to the church that the District does not currently have capacity to grant service as requested and to present alternative options for a private well. Further discussion ensued regarding requirements by the Texas Commission on Environmental Quality and the Harris County Subsidence District for a regional surface water treatment plant.

Wastewater Treatment Plant No. 2 (Phase 1) – Ms. Hurd reviewed and discussed Pay Estimate No. 12 (Final) and recommended approval in the amount of \$67,370.02. She noted that the amount represents a deduction for liquidated damages and includes a 5% retainage.

Highway 90 Apartments - Ms. Hurd reported on a request for a utility commitment and requested the Board’s approval of a letter authorizing service to the apartments.

20 Acres Adjacent to Kodiak – Ms. Hurd reported that a different developer is performing a feasibility study for the 20 acres adjacent to Kodiak Crossing. Ms. Hurd noted that the new developer presented lot sizes that will be 45x100 with price points for homes between \$220,000 to \$250,000. Discussion ensued regarding a previous developer’s request to construct homes with smaller lot sizes and lower price points.

Upon motion by Director Sonnier, seconded by Director Dangerfield, after full discussion and the question being put to the Board, the Board voted in favor of the motion to: (1) authorize award of a construction contract to CZ Construction LLC for \$810,371.10 for the 2019 Sanitary Sewer Rehabilitation; (2) approve Pay Estimate No. 2 for \$36,005.00 to Schier Construction for Water Plant Improvements; (3) approve Pay Estimate No. 12 (Final) for \$67,370.01 for Wastewater Treatment

Plant No. 2 (Phase 1); (4) authorize the execution of construction contracts for water, sanitary sewer and drainage facilities to serve Kodiak Crossing, Section 4, subject to legal review; (5) approve the Utility Commitment Letter and authorize Ms. Hurd to execute a letter approving capacity to serve the Legacy Landing apartment complex; (5) authorize the District's engineer to respond to Calvary Church of the Nazarene regarding the District's lack of capacity to provide service without an additional water well; and (6) authorize the District's engineer to respond to Holcomb Properties regarding presentation to the Board regarding new construction development. The motion passed with a vote of four ayes and zero nays. Director Johnson temporarily departed the meeting, however, a quorum remained.

5. **Review Operations Report and authorize repairs.** Ms. Eng presented to and reviewed with the Board the Operation's Report, a copy which is attached hereto as *Exhibit D*. She noted that the District's water accountability with leaks and flushing were at 80%.

6. **Discuss amending Rate Order.** Ms. Eng explained the Board the issues residents have expressed with timing and application of late fees. Ms. Eng discussed options for amending the District's current policy on late fees. No action was taken by the Board.

7. **Discuss District Matters.** Ms. Eng presented to the Board a report for District Matters, a copy of which is attached hereto as *Exhibit E*. Ms. Eng reviewed a timeline of events, which lists projects, issues and concerns occurring within the District.

Ms. Eng discussed the damages made to the gates at Wastewater Treatment Plant No. 1.

Ms. Eng updated the Board on damage to a water line located on FM 2100 and Reuben White. Ms. Eng reported on a claim filed with Progressive, the individual's insurance provider for reimbursement of repair costs

8. **Discuss December Bookkeeper's meeting date.** Ms. Eng informed the Board the December Bookkeeper's meeting needs to be rescheduled due to the Christmas holiday. Ms. Eng and Ms. Pfeffer suggested December 19, 2019. Upon motion by Director Sonnier, seconded by Director Johnson, after full discussion and the question being put to the Board, the Board voted unanimously to reschedule the December Bookkeeper's Meeting to December 19, 2019.

9. **Discuss board positions and take necessary action.** The Board deferred this item.

THERE BEING NO FURTHER BUSINESS TO COME BEFORE THE BOARD, the meeting was adjourned.

* * *

The above and foregoing minutes were passed and approved by the Board of Directors on January 7, 2019.



President, Board of Directors

ATTEST:



Secretary, Board of Directors

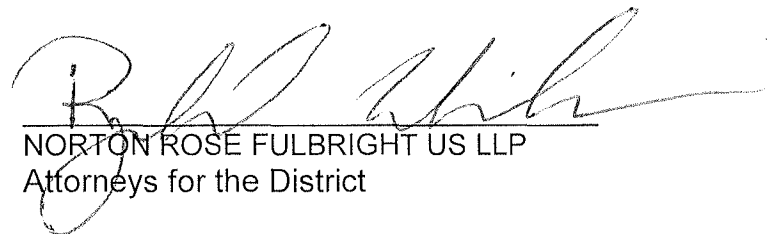
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50


NOTICE

In accordance with Chapter 551, Texas Government Code, and Section 49.063, Texas Water Code, both as amended, take notice that the Board of Directors of Harris County Municipal Utility District No. 50 will meet in regular session for Operations and Engineering matters, open to the public, at 12900 Crosby Lynchburg Road, Crosby, Texas, at **6:00 p.m.** on **TUESDAY, December 3, 2019**. At such meeting, the Board will consider the following:

1. Public Comments;
 2. Approve minutes of the meetings held on November 11, 2019;
 3. Review Comprehensive Project Plan and take necessary action;
 4. Review Engineer's Report, including, but not limited to approval of plans and specifications, authorize advertisement for bids and/or solicitation of bids, award contracts, approve proposals, approve pay estimates and/or change orders for District projects, and approve capacity commitments;
 5. Review Operations Report and authorize repairs;
 6. Discuss amending Rate Order;
 7. Discuss District matters;
 8. Discuss Bookkeeper's December meeting date;
 9. Discuss board positions and take necessary action;
- and any other matters as may properly come before it.




NORTON ROSE FULBRIGHT US LLP
Attorneys for the District


2019 NOV 26 PM 3:30
HARRIS COUNTY UTILITY DISTRICTS

FILED

If, during the course of the meeting covered by this Notice, the Board should determine that a closed or executive session of the Board should be held or is required in relation to any agenda item included in this Notice, then such closed or executive meeting or session, as authorized by the Texas Open Meetings Act, will be held by the Board at the date, hour, and place given in this Notice concerning any and all subjects for any and all purposes permitted by Sections 551.071-551.084 of the Texas Government Code and the Texas Open Meetings Act, including, but not limited to, Section 551.071 - for the purpose of a private consultation with the Board's attorney on any or all subjects or matters authorized by law.

CERTIFICATE OF POSTING NOTICE
OF MEETING OF BOARD OF DIRECTORS

THE STATE OF TEXAS

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COUNTY OF HARRIS

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HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

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I hereby certify that on November
Wednesday 26, 2019 I posted the Notice of a Regular Meeting of the Board of Directors of Municipal Utility District No. 50, a true copy of which is attached hereto, at a place convenient to the public at 12900 Crosby Lynchburg Road, Barrett Station, Texas 77532 no less than 72 hours prior to the meeting date and time, as required by law.

EXECUTED this 26 day of November,
2019.



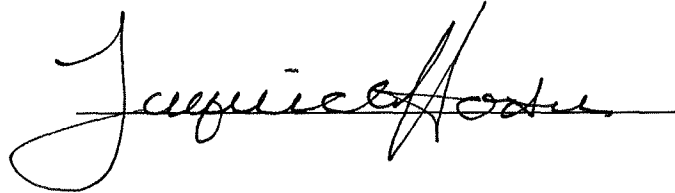
Maria Laura

CERTIFICATE OF POSTING NOTICE
OF MEETING OF BOARD OF DIRECTORS

THE STATE OF TEXAS §
COUNTY OF HARRIS §
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50 §

I hereby certify that at 4:05 P.m. on November 26, 2019 I posted the Notice of Regular Meeting of the Board of Directors of Harris County Municipal Utility District No. 50, a true copy of which is attached hereto, in the coffee bar of Norton Rose Fulbright US LLP, 1301 McKinney Avenue, 50th Floor, Houston, Texas 77010, being a place convenient to the public in the administrative office of the District.

EXECUTED this 26 day of November, 2019.

A handwritten signature in cursive script, appearing to read "J. J. H. H. H.", written over a horizontal line.

HARRIS COUNTY MUD 50 ENGINEER'S REPORT COBBFENDLEY PROJECT NO. 1612-043-01, TASK 01

Meeting Date: Tuesday, December 3, 2019 at 6:00 p.m.

From: Amber Hurd, P.E.
To: Board of Directors

DISTRICT PROJECTS

Design Projects:

2019 Sanitary Sewer Rehabilitation – We received seven bids on November 14th. Low bidder is CZ Construction LLC with a total bid of \$810,372.10. See attached recommendation letter. This will leave \$610,957.79 remaining in the CWSRF 2018 loan for construction of WWTP 2 Phase 2.

Wastewater Treatment Plant No. 2 Phase 2 – Design plans and specs have been submitted to TWDB for review.

Drinking Water State Revolving Fund (DWSRF) 2016 Water Plant 3 Site Acquisition
No update.

Construction Projects:

Wastewater Treatment Plant No. 2 – The contractor has completed the punchlist. We received as-builts and partial operation and maintenance manuals. See attached final tabulation letter.

Drinking Water State Revolving Fund (DWSRF) 2016 Smart Meters – Project is complete and under warranty until July 23, 2020.

Drinking Water State Revolving Fund (DWSRF) 2016 Water Plant Improvements – Schier Construction has completed the tank foundations at Water Plant 2. We recommend approval of Pay Estimate No. 2 for \$36,005.00.

DEVELOPMENT PROJECTS

Applications for Service:

Barrett Station – None.

Kodiak Crossing Sections 2 and 3 – None.

Kodiak Crossing Section 4 – Contracts are ready for signature with R Construction Company for a total of \$676,376.94.

Pendleton Development – Waiting for revised plans from Sleep Inn Developer.

Exhibit B

Church of the Nazarene – We provided a letter stating that the MUD is unable to provide service.

Highway 90 Apartments – Requesting Utility Commitment for 240 units. See draft letter attached.

20 Acres Adjacent to Kodiak – Khris Sutton contacted me again regarding lot sizes, along with a different developer that is performing a feasibility study.

David Ryland Homes – No update.

GENERAL DISTRICT ENGINEERING:

Capital Improvement Plan – A draft 10-year CIP has been distributed for your review.

Water Conservation Plan – Proposed 5 year plan was submitted to Harris Galveston Subsidence District for approval.

Water/Sewer Capacity Status – See attached tables for current water and sewer plant capacities.

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Item No.	Item Description	Unit	Quantity	Bidder No. 1		Bidder No. 2		Bidder No. 3		Bidder No. 4		Bidder No. 5		Bidder No. 6		Bidder No. 7		Engineer's Estimate	
				Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
BASE BID ITEMS																			
SECTION 1 - SITE WORK																			
1	Mobilization (No Greater Than 5% of Total Bid)	LS	1	\$ 25,950.00	\$ 25,950.00	\$ 12,000.00	\$ 12,000.00	\$ 20,000.00	\$ 20,000.00	\$ 22,500.00	\$ 22,500.00	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00	\$ 25,000.00	\$ 25,000.00	\$ 43,220.34	\$ 43,220.34
2	Remove and Replace Pavement Markers and Striping (Located on Crosby Lynchburg Road), Complete In Place	LS	1	\$ 1,100.00	\$ 1,100.00	\$ 1,600.00	\$ 1,600.00	\$ 1,750.00	\$ 1,750.00	\$ 3,200.00	\$ 3,200.00	\$ 4,500.00	\$ 4,500.00	\$ 2,000.00	\$ 2,000.00	\$ 5,500.00	\$ 5,500.00	\$ 2,500.00	\$ 2,500.00
3	Sawcut/Remove/Replace Exist. Concrete Pavement Including Cement Stabilized Sand Subgrade (Located on Crosby Lynchburg Road), Complete In Place	SY	52	\$ 116.00	\$ 6,032.00	\$ 105.00	\$ 5,460.00	\$ 90.00	\$ 4,680.00	\$ 145.00	\$ 7,540.00	\$ 160.00	\$ 8,320.00	\$ 100.00	\$ 5,200.00	\$ 300.00	\$ 15,600.00	\$ 175.00	\$ 9,100.00
4	6" Curb and Gutter (Located on Crosby Lynchburg Road), Complete In Place	LF	50	\$ 26.00	\$ 1,300.00	\$ 15.00	\$ 750.00	\$ 15.00	\$ 750.00	\$ 50.00	\$ 2,500.00	\$ 50.00	\$ 2,500.00	\$ 50.00	\$ 2,500.00	\$ 50.00	\$ 2,500.00	\$ 20.00	\$ 1,000.00
SUBTOTAL SECTION 1 - SITE WORK					\$ 34,382.00		\$ 19,810.00		\$ 27,180.00		\$ 35,740.00		\$ 40,320.00		\$ 33,700.00		\$ 48,600.00		\$ 55,820.34
SECTION 2 - SANITARY SEWER SYSTEMS																			
5	Cleaning and Television Inspection of Sanitary Sewer, Pre-Construction (All Pipe Sizes)	LF	4,969	\$ 3.00	\$ 14,907.00	\$ 3.00	\$ 14,907.00	\$ 3.00	\$ 14,907.00	\$ 2.50	\$ 12,422.50	\$ 2.75	\$ 13,664.75	\$ 5.00	\$ 24,845.00	\$ 4.50	\$ 22,360.50	\$ 2.50	\$ 12,422.50
6	Cleaning and Television Inspection of Constructed Sanitary Sewer (All Pipe Sizes)	LF	4,969	\$ 2.00	\$ 9,938.00	\$ 2.00	\$ 9,938.00	\$ 1.00	\$ 4,969.00	\$ 2.00	\$ 9,938.00	\$ 1.25	\$ 6,211.25	\$ 5.00	\$ 24,845.00	\$ 2.25	\$ 11,180.25	\$ 2.00	\$ 9,938.00
7	Remove & Replace 6" Force Main, Complete In Place	LF	25	\$ 127.00	\$ 3,175.00	\$ 500.00	\$ 12,500.00	\$ 115.00	\$ 2,875.00	\$ 60.00	\$ 1,500.00	\$ 80.00	\$ 2,000.00	\$ 100.00	\$ 2,500.00	\$ 300.00	\$ 7,500.00	\$ 150.00	\$ 3,750.00
8	Install 6-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	LF	170	\$ 30.00	\$ 5,100.00	\$ 24.00	\$ 4,080.00	\$ 35.50	\$ 6,035.00	\$ 32.00	\$ 5,440.00	\$ 32.00	\$ 5,440.00	\$ 40.00	\$ 6,800.00	\$ 38.00	\$ 6,460.00	\$ 40.00	\$ 6,800.00
9	Install 8-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	LF	2,889	\$ 30.00	\$ 86,670.00	\$ 26.00	\$ 75,114.00	\$ 32.00	\$ 92,448.00	\$ 32.00	\$ 92,448.00	\$ 32.00	\$ 92,448.00	\$ 29.00	\$ 83,781.00	\$ 42.00	\$ 121,338.00	\$ 45.00	\$ 130,005.00
10	Install 10-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	LF	342	\$ 35.00	\$ 11,970.00	\$ 34.00	\$ 11,628.00	\$ 33.00	\$ 11,286.00	\$ 45.00	\$ 15,390.00	\$ 38.00	\$ 12,996.00	\$ 34.00	\$ 11,628.00	\$ 60.00	\$ 20,520.00	\$ 55.00	\$ 18,810.00
11	Install 12-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	LF	125	\$ 67.00	\$ 8,375.00	\$ 80.00	\$ 10,000.00	\$ 50.00	\$ 6,250.00	\$ 50.00	\$ 6,250.00	\$ 60.00	\$ 7,500.00	\$ 38.00	\$ 4,750.00	\$ 90.00	\$ 11,250.00	\$ 75.00	\$ 9,375.00
12	Install 15-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	LF	767	\$ 71.00	\$ 54,457.00	\$ 80.00	\$ 61,360.00	\$ 55.00	\$ 42,185.00	\$ 60.00	\$ 46,020.00	\$ 89.00	\$ 68,263.00	\$ 152.00	\$ 116,584.00	\$ 98.00	\$ 75,166.00	\$ 110.00	\$ 84,370.00
13	8" CIPP Mainline Rehabilitation	LF	1,949	\$ 26.00	\$ 50,674.00	\$ 26.00	\$ 50,674.00	\$ 25.00	\$ 48,725.00	\$ 28.00	\$ 54,572.00	\$ 31.00	\$ 60,419.00	\$ 22.00	\$ 42,878.00	\$ 48.00	\$ 93,552.00	\$ 40.00	\$ 77,960.00
14	10" CIPP Mainline Rehabilitation	LF	3,413	\$ 28.00	\$ 95,564.00	\$ 29.00	\$ 98,977.00	\$ 28.00	\$ 95,564.00	\$ 29.00	\$ 98,977.00	\$ 32.00	\$ 109,216.00	\$ 24.00	\$ 81,912.00	\$ 56.00	\$ 191,128.00	\$ 50.00	\$ 170,650.00
15	Grease Removal	LF	324	\$ 4.00	\$ 1,296.00	\$ 3.25	\$ 1,053.00	\$ 3.50	\$ 1,134.00	\$ 12.00	\$ 3,888.00	\$ 4.25	\$ 1,377.00	\$ 12.00	\$ 3,888.00	\$ 20.00	\$ 6,480.00	\$ 5.00	\$ 1,620.00
16	Rehab Existing Sanitary Manhole, Including 80 Mils of Coating (All Depths)	VF	484	\$ 131.00	\$ 63,404.00	\$ 150.00	\$ 72,600.00	\$ 145.00	\$ 70,180.00	\$ 150.00	\$ 72,600.00	\$ 140.00	\$ 67,760.00	\$ 200.00	\$ 96,800.00	\$ 350.00	\$ 169,400.00	\$ 200.00	\$ 96,800.00
17	Manhole Inflow Prevention Insert	EA	56	\$ 85.00	\$ 4,760.00	\$ 195.00	\$ 10,920.00	\$ 200.00	\$ 11,200.00	\$ 175.00	\$ 9,800.00	\$ 175.00	\$ 9,800.00	\$ 300.00	\$ 16,800.00	\$ 150.00	\$ 8,400.00	\$ 200.00	\$ 11,200.00
18	Remove and Replace 4-Inch Sanitary Sewer Service Connections (All Lengths) Including Clean-Out, Complete in Place	EA	66	\$ 720.00	\$ 47,520.00	\$ 668.00	\$ 44,088.00	\$ 950.00	\$ 62,700.00	\$ 680.00	\$ 44,880.00	\$ 475.00	\$ 31,350.00	\$ 460.00	\$ 30,360.00	\$ 550.00	\$ 36,300.00	\$ 850.00	\$ 56,100.00
19	Internal Reconnects on Cured-in place pipe	EA	38	\$ 100.00	\$ 3,800.00	\$ 135.00	\$ 5,130.00	\$ 1.00	\$ 38.00	\$ 100.00	\$ 3,800.00	\$ 100.00	\$ 3,800.00	\$ 100.00	\$ 3,800.00	\$ 250.00	\$ 9,500.00	\$ 275.00	\$ 10,450.00
20	Trench Safety Including Point Repairs and Sanitary Sewer Replacements	LF	5,143	\$ 0.10	\$ 514.30	\$ 0.25	\$ 1,285.75	\$ 1.00	\$ 5,143.00	\$ 2.00	\$ 10,286.00	\$ 1.00	\$ 5,143.00	\$ 0.01	\$ 51.43	\$ 2.00	\$ 10,286.00	\$ 2.00	\$ 10,286.00
SUBTOTAL SECTION 2 - SANITARY SEWER SYSTEMS					\$ 462,124.30		\$ 484,254.75		\$ 475,639.00		\$ 488,211.50		\$ 497,388.00		\$ 552,222.43		\$ 800,820.75		\$ 710,536.50
SECTION 3 - SWPPP																			
21	Erosion/Sediment Control in Accordance with TPDES Requirements, Including Notice of Intent (NOI) and Notice of Termination (NOT), (1-Contractor, 1-Owner)	LS	1	\$ 1,130.00	\$ 1,130.00	\$ 4,100.00	\$ 4,100.00	\$ 4,500.00	\$ 4,500.00	\$ 1,500.00	\$ 1,500.00	\$ 6,500.00	\$ 6,500.00	\$ 3,500.00	\$ 3,500.00	\$ 4,500.00	\$ 4,500.00	\$ 1,500.00	\$ 1,500.00
22	Furnish, Install, and Remove Reinforced Filter Fabric Fence, Complete in Place	LF	500	\$ 2.00	\$ 1,000.00	\$ 2.50	\$ 1,250.00	\$ 2.75	\$ 1,375.00	\$ 3.00	\$ 1,500.00	\$ 4.75	\$ 2,375.00	\$ 2.00	\$ 1,000.00	\$ 3.00	\$ 1,500.00	\$ 2.00	\$ 1,000.00
23	Furnish and Install Inlet Protection Barrier	EA	50	\$ 60.00	\$ 3,000.00	\$ 90.00	\$ 4,500.00	\$ 95.00	\$ 4,750.00	\$ 50.00	\$ 2,500.00	\$ 96.00	\$ 4,800.00	\$ 10.00	\$ 500.00	\$ 50.00	\$ 2,500.00	\$ 80.00	\$ 4,000.00
24	Hydromulch Seeding of Disturbed Areas	AC	2	\$ 1,785.00	\$ 3,570.00	\$ 1,675.00	\$ 3,350.00	\$ 2,000.00	\$ 4,000.00	\$ 1,500.00	\$ 3,000.00	\$ 1,800.00	\$ 3,600.00	\$ 3,400.00	\$ 6,800.00	\$ 2,000.00	\$ 4,000.00	\$ 2,500.00	\$ 5,000.00
SUBTOTAL SECTION 3 - SWPPP					\$ 8,700.00		\$ 13,200.00		\$ 14,625.00		\$ 8,500.00		\$ 17,275.00		\$ 11,800.00		\$ 12,500.00		\$ 11,500.00

Item No.	Item Description	Unit	Quantity	Bidder No. 1		Bidder No. 2		Bidder No. 3		Bidder No. 4		Bidder No. 5		Bidder No. 6		Bidder No. 7		Engineer's Estimate	
				Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
SECTION 4 - TRAFFIC CONTROL AND REGULATION																			
25	Traffic Control and Regulation, Including Maintaining Signage, Flagmen in Accordance with Drawings and Specifications	LS	1	\$ 5,500.00	\$ 5,500.00	\$ 8,500.00	\$ 8,500.00	\$ 9,000.00	\$ 9,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 4,500.00	\$ 4,500.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
SUBTOTAL SECTION 4 - TRAFFIC CONTROL AND REGULATION				\$ 5,500.00		\$ 8,500.00		\$ 9,000.00		\$ 15,000.00		\$ 15,000.00		\$ 4,500.00		\$ 10,000.00		\$ 10,000.00	
SECTION 5 - EXTRA WORK ITEMS																			
26	Bypass Pumping, Complete Project Limits	LS	1	\$ 1,840.00	\$ 1,840.00	\$ 5,350.00	\$ 5,350.00	\$ 500.00	\$ 500.00	\$ 18,000.00	\$ 18,000.00	\$ 12,000.00	\$ 12,000.00	\$ 2,200.00	\$ 2,200.00	\$ 32,000.00	\$ 32,000.00	\$ 7,500.00	\$ 7,500.00
27	Point Repair Including Protruding Service Line Taps (0-8' Depth), Complete In Place	EA	5	\$ 2,231.00	\$ 11,155.00	\$ 1,100.00	\$ 5,500.00	\$ 2,500.00	\$ 12,500.00	\$ 1,200.00	\$ 6,000.00	\$ 2,200.00	\$ 11,000.00	\$ 1,200.00	\$ 6,000.00	\$ 3,000.00	\$ 15,000.00	\$ 800.00	\$ 4,000.00
28	Remove and Dispose Offsite Sanitary Sewer Manholes, Complete In Place	EA	10	\$ 931.00	\$ 9,310.00	\$ 425.00	\$ 4,250.00	\$ 1,750.00	\$ 17,500.00	\$ 800.00	\$ 8,000.00	\$ 550.00	\$ 5,500.00	\$ 600.00	\$ 6,000.00	\$ 500.00	\$ 5,000.00	\$ 750.00	\$ 7,500.00
29	New Sanitary Sewer Manhole, Complete In Place	EA	10	\$ 4,125.00	\$ 41,250.00	\$ 3,990.00	\$ 39,900.00	\$ 5,000.00	\$ 50,000.00	\$ 4,500.00	\$ 45,000.00	\$ 3,800.00	\$ 38,000.00	\$ 4,200.00	\$ 42,000.00	\$ 4,400.00	\$ 44,000.00	\$ 3,500.00	\$ 35,000.00
30	Adjust Exist. Sanitary Sewer Manhole within 2 Vertical Feet of Exist. Rim Elevation, Complete In Place	EA	18	\$ 410.00	\$ 7,380.00	\$ 700.00	\$ 12,600.00	\$ 825.00	\$ 14,850.00	\$ 650.00	\$ 11,700.00	\$ 150.00	\$ 2,700.00	\$ 850.00	\$ 15,300.00	\$ 500.00	\$ 9,000.00	\$ 1,000.00	\$ 18,000.00
31	Sawcut/Remove/Replace Exist. Concrete Pavement Including Cement Stabilized Sand Subgrade (Located on Crosby Lynchburg Road), Complete In Place	SY	26	\$ 116.00	\$ 3,016.00	\$ 85.00	\$ 2,210.00	\$ 90.00	\$ 2,340.00	\$ 145.00	\$ 3,770.00	\$ 185.00	\$ 4,810.00	\$ 140.00	\$ 3,640.00	\$ 300.00	\$ 7,800.00	\$ 175.00	\$ 4,550.00
SUBTOTAL SECTION 5 - EXTRA WORK ITEMS				\$ 73,951.00		\$ 69,810.00		\$ 97,690.00		\$ 92,470.00		\$ 74,010.00		\$ 75,140.00		\$ 112,800.00		\$ 76,550.00	
SECTION 6 - ADD ALTERNATE																			
32	Cleaning and Television Inspection of Sanitary Sewer Pre-Construction (All Pipe Sizes)	LF	4,288	\$ 3.00	\$ 12,864.00	\$ 3.00	\$ 12,864.00	\$ 3.25	\$ 13,936.00	\$ 2.50	\$ 10,720.00	\$ 2.75	\$ 11,792.00	\$ 2.50	\$ 10,720.00	\$ 4.50	\$ 19,296.00	\$ 2.50	\$ 10,720.00
33	Cleaning and Television Inspection of Constructed Sanitary Sewer (All Pipe Sizes)	LF	4,288	\$ 2.00	\$ 8,576.00	\$ 2.00	\$ 8,576.00	\$ 2.00	\$ 8,576.00	\$ 2.00	\$ 8,576.00	\$ 1.25	\$ 5,360.00	\$ 1.75	\$ 7,504.00	\$ 2.25	\$ 9,648.00	\$ 2.00	\$ 8,576.00
34	Install 10-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	LF	4,288	\$ 35.00	\$ 150,080.00	\$ 32.00	\$ 137,216.00	\$ 33.00	\$ 141,504.00	\$ 42.00	\$ 180,096.00	\$ 36.00	\$ 154,368.00	\$ 32.00	\$ 137,216.00	\$ 60.00	\$ 257,280.00	\$ 50.00	\$ 214,400.00
35	Rehab Existing Sanitary Manhole, Including 90 Mills of Coating (All Depths)	VF	119	\$ 131.00	\$ 15,589.00	\$ 135.00	\$ 16,065.00	\$ 145.00	\$ 17,255.00	\$ 150.00	\$ 17,850.00	\$ 140.00	\$ 16,660.00	\$ 200.00	\$ 23,800.00	\$ 350.00	\$ 41,650.00	\$ 200.00	\$ 23,800.00
36	Manhole Inflow Prevention Insert	EA	26	\$ 85.00	\$ 2,210.00	\$ 195.00	\$ 5,070.00	\$ 300.00	\$ 7,800.00	\$ 175.00	\$ 4,550.00	\$ 195.00	\$ 5,070.00	\$ 300.00	\$ 7,800.00	\$ 150.00	\$ 3,900.00	\$ 3,000.00	\$ 78,000.00
37	Remove and Replace 4-Inch Sanitary Sewer Service Connections (All Lengths) Including Clean-Out, Complete In Place	EA	57	\$ 631.00	\$ 35,967.00	\$ 668.00	\$ 38,076.00	\$ 950.00	\$ 54,150.00	\$ 680.00	\$ 38,760.00	\$ 475.00	\$ 27,075.00	\$ 460.00	\$ 26,220.00	\$ 550.00	\$ 31,350.00	\$ 850.00	\$ 48,450.00
38	Trench Safety Including Point Repairs and Sanitary Sewer Replacements	LF	4,288	\$ 0.10	\$ 428.80	\$ 0.25	\$ 1,072.00	\$ 1.20	\$ 5,145.60	\$ 2.00	\$ 8,576.00	\$ 1.00	\$ 4,288.00	\$ 1.00	\$ 4,288.00	\$ 2.00	\$ 8,576.00	\$ 2.00	\$ 8,576.00
SUBTOTAL SECTION 6 - ADD ALTERNATE				\$ 225,714.80		\$ 218,939.00		\$ 248,366.60		\$ 269,128.00		\$ 224,613.00		\$ 217,548.00		\$ 371,700.00		\$ 392,522.00	
SUBTOTAL SECTION 1				\$ 34,382.00		\$ 19,810.00		\$ 27,180.00		\$ 35,740.00		\$ 40,320.00		\$ 33,700.00		\$ 48,600.00		\$ 55,820.34	
SUBTOTAL SECTION 2				\$ 462,124.30		\$ 484,254.75		\$ 475,639.00		\$ 488,211.50		\$ 497,388.00		\$ 552,222.43		\$ 800,820.75		\$ 710,536.50	
SUBTOTAL SECTION 3				\$ 8,700.00		\$ 13,200.00		\$ 14,625.00		\$ 8,500.00		\$ 17,275.00		\$ 11,800.00		\$ 12,500.00		\$ 11,500.00	
SUBTOTAL SECTION 4				\$ 5,500.00		\$ 8,500.00		\$ 9,000.00		\$ 15,000.00		\$ 15,000.00		\$ 4,500.00		\$ 10,000.00		\$ 10,000.00	
SUBTOTAL SECTION 5 - EXTRA WORK				\$ 73,951.00		\$ 69,810.00		\$ 97,690.00		\$ 92,470.00		\$ 74,010.00		\$ 75,140.00		\$ 112,800.00		\$ 76,550.00	
SUBTOTAL SECTION 6 - ADD ALTERNATE				\$ 225,714.80		\$ 218,939.00		\$ 248,366.60		\$ 269,128.00		\$ 224,613.00		\$ 217,548.00		\$ 371,700.00		\$ 392,522.00	
TOTAL BASE BID ITEMS				\$ 584,657.30		\$ 595,574.75		\$ 624,134.00		\$ 639,921.50		\$ 643,993.00		\$ 677,362.43		\$ 984,720.75		\$ 864,406.84	
TOTAL ADD ALTERNATE				\$ 225,714.80		\$ 218,939.00		\$ 248,366.60		\$ 269,128.00		\$ 224,613.00		\$ 217,548.00		\$ 371,700.00		\$ 392,522.00	
TOTAL BASE BID & ADD ALTERNATE				\$ 810,372.10		\$ 814,513.75		\$ 872,500.60		\$ 909,049.50		\$ 868,606.00		\$ 894,910.43		\$ 1,356,420.75		\$ 1,256,928.84	

Errors Corrected by Engineer

Church of the Nazarene – We provided a letter stating that the MUD is unable to provide service.

Highway 90 Apartments – Requesting Utility Commitment for 240 units. See draft letter attached.

20 Acres Adjacent to Kodiak – Khris Sutton contacted me again regarding lot sizes, along with a different developer that is performing a feasibility study.

David Ryland Homes – No update.

GENERAL DISTRICT ENGINEERING:

Capital Improvement Plan – A draft 10-year CIP has been distributed for your review.

Water Conservation Plan – Proposed 5 year plan was submitted to Harris Galveston Subsidence District for approval.

Water/Sewer Capacity Status – See attached tables for current water and sewer plant capacities.

November 19, 2019

Mr. Martin Lemond
President
Harris County Municipal Utility District No. 50
12900 Crosby Lynchburg Road
Crosby, Texas 77532

Re: Contract Award Recommendation
2019 Sanitary Sewer Rehabilitation
Project No. 1612-043-05

Dear Mr. Lemond:

CobbFendley received seven (7) bids on November 14, 2019 for the above-mentioned project. The apparent low bidder was CZ Construction, LLC with a base bid of \$584,657.30 and a total add alternate of \$225,714.80. Based on our review of the bid, submitted documents by the low bidder and references and qualifications, it appears that this bidder is the best value to the District.

We recommend that the contract for this project be awarded to CZ Construction, LLC for the total bid amount of \$810,372.10, contingent upon approval of bonds and certificate of insurance.

Enclosed, for your review, is a copy of the Unit Bid Tabulation. If you have any questions or require any additional information, please do not hesitate to call me at 713-462-3242.

Sincerely,
COBB, FENDLEY & ASSOCIATES, INC.

A handwritten signature in cursive script that reads "Rachel Broom".

Rachel Broom, P.E.
Project Manager

Attachment

		Bidder No. 7		Engineer's Estimate	
		Infrastructure Holdco, LLC			
Item No.	Item Description	Price	Extended Price	Unit Price	Extended Price
BASE BID ITEMS					
SECTION 1 - SITE WORK					
1	Mobilization (No Greater Than 5% of Total Bid)	00.00	\$ 25,000.00	\$ 43,220.34	\$ 43,220.34
2	Remove and Replace Pavement Markers and Striping (Located on Crosby Lynchburg Road), Complete In Place	00.00	\$ 5,500.00	\$ 2,500.00	\$ 2,500.00
3	Sawcut/Remove/Replace Exist. Concrete Pavement Including Cement Stabilized Sand Subgrade (Located on Crosby Lynchburg Road), Complete In Place	00.00	\$ 15,600.00	\$ 175.00	\$ 9,100.00
4	6" Curb and Gutter (Located on Crosby Lynchburg Road), Complete In Place	50.00	\$ 2,500.00	\$ 20.00	\$ 1,000.00
SUBTOTAL SECTION 1			\$ 48,600.00		\$ 55,820.34
SECTION 2 - SANITARY SEWER SYSTEMS					
5	Cleaning and Television Inspection of Sanitary Sewer, Pre-Construction (All Pipe Sizes)	4.50	\$ 22,360.50	\$ 2.50	\$ 12,422.50
6	Cleaning and Television Inspection of Constructed Sanitary Sewer (All Pipe Sizes)	2.25	\$ 11,180.25	\$ 2.00	\$ 9,938.00
7	Remove & Replace 6" Force Main, Complete In Place	00.00	\$ 7,500.00	\$ 150.00	\$ 3,750.00
8	Install 6-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	38.00	\$ 6,460.00	\$ 40.00	\$ 6,800.00
9	Install 8-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	42.00	\$ 121,338.00	\$ 45.00	\$ 130,005.00
10	Install 10-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	60.00	\$ 20,520.00	\$ 55.00	\$ 18,810.00
11	Install 12-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	90.00	\$ 11,250.00	\$ 75.00	\$ 9,375.00
12	Install 15-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	98.00	\$ 75,166.00	\$ 110.00	\$ 84,370.00
13	8" CIPP Mainline Rehabilitation	48.00	\$ 93,552.00	\$ 40.00	\$ 77,960.00
14	10" CIPP Mainline Rehabilitation	56.00	\$ 191,128.00	\$ 50.00	\$ 170,650.00
15	Grease Removal	20.00	\$ 6,480.00	\$ 5.00	\$ 1,620.00
16	Rehab Existing Sanitary Manhole, Including 80 Mills of Coating (All Depths)	50.00	\$ 169,400.00	\$ 200.00	\$ 96,800.00
17	Manhole Inflow Prevention Insert	50.00	\$ 8,400.00	\$ 200.00	\$ 11,200.00
18	Remove and Replace 4-Inch Sanitary Sewer Service Connections (All Lengths) Including Clean-Out, Complete in Place	50.00	\$ 36,300.00	\$ 850.00	\$ 56,100.00
19	Internal Reconnects on Cured-in place pipe	50.00	\$ 9,500.00	\$ 275.00	\$ 10,450.00
20	Trench Safety Including Point Repairs and Sanitary Sewer Replacements	2.00	\$ 10,286.00	\$ 2.00	\$ 10,286.00
SUBTOTAL SECTION 2 - SANITARY SEWER SYSTEMS			\$ 800,820.75		\$ 710,536.50
SECTION 3 - SWPPP					
21	Erosion/Sediment Control in Accordance with TPDES Requirements, Including Notice of Intent (NOI) and Notice of Termination (NOT), (1-Contractor, 1-Owner)	00.00	\$ 4,500.00	\$ 1,500.00	\$ 1,500.00
22	Furnish, Install, and Remove Reinforced Filter Fabric Fence, Complete in Place	3.00	\$ 1,500.00	\$ 2.00	\$ 1,000.00
23	Furnish and Install Inlet Protection Barrier	50.00	\$ 2,500.00	\$ 80.00	\$ 4,000.00
24	Hydromulch Seeding of Disturbed Areas	100.00	\$ 4,000.00	\$ 2,500.00	\$ 5,000.00
SUBTOTAL SECTION 3 - SWPPP			\$ 12,500.00		\$ 11,500.00

		Bidder No. 7		Engineer's Estimate	
		Infrastructure Holdco, LLC			
Item No.	Item Description	Price	Extended Price	Unit Price	Extended Price
SECTION 4 – TRAFFIC CONTROL AND REGULATIONS					
25	Traffic Control and Regulation, Including Maintaining Signage, Flagmen in Accordance with Drawings and Specifications	10.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
SUBTOTAL SECTION 4 - TRAFFIC CONTROL AND REGULATIONS			\$ 10,000.00		\$ 10,000.00
SECTION 5 – EXTRA WORK ITEMS					
26	Bypass Pumping, Complete Project Limits	70.00	\$ 32,000.00	\$ 7,500.00	\$ 7,500.00
27	Point Repair Including Protruding Service Line Taps (0-8' Depth), Complete In Place	15.00	\$ 15,000.00	\$ 800.00	\$ 4,000.00
28	Remove and Dispose Offsite Sanitary Sewer Manholes, Complete In Place	5.00	\$ 5,000.00	\$ 750.00	\$ 7,500.00
29	New Sanitary Sewer Manhole, Complete In Place	44.00	\$ 44,000.00	\$ 3,500.00	\$ 35,000.00
30	Adjust Exist. Sanitary Sewer Manhole within 2 Vertical Feet of Exist. Rim Elevation, Complete In Place	9.00	\$ 9,000.00	\$ 1,000.00	\$ 18,000.00
31	Sawcut/Remove/Replace Exist. Concrete Pavement Including Cement Stabilized Sand Subgrade (Located on Crosby Lynchburg Road), Complete In Place	7.80	\$ 7,800.00	\$ 175.00	\$ 4,550.00
SUBTOTAL SECTION 5 - EXTRA WORK ITEMS			\$ 112,800.00		\$ 76,550.00
SECTION 6 – ADD ALTERNATE					
32	Cleaning and Television Inspection of Sanitary Sewer Pre-Construction (All Pipe Sizes)	4.50	\$ 19,296.00	\$ 2.50	\$ 10,720.00
33	Cleaning and Television Inspection of Constructed Sanitary Sewer (All Pipe Sizes)	2.25	\$ 9,648.00	\$ 2.00	\$ 8,576.00
34	Install 10-Inch HDPE (IPS), SDR 19, Sanitary Sewer Pipe, Cell Class 445574E (Gray or Approved Equal), ASTM D3350, PE 4710, by method of Pipe Bursting through Open Access Pits, Complete in Place	257.80	\$ 257,280.00	\$ 50.00	\$ 214,400.00
35	Rehab Existing Sanitary Manhole, Including 80 Mils of Coating (All Depths)	50.00	\$ 41,650.00	\$ 200.00	\$ 23,800.00
36	Manhole Inflow Prevention Insert	50.00	\$ 3,900.00	\$ 3,000.00	\$ 78,000.00
37	Remove and Replace 4-Inch Sanitary Sewer Service Connections (All Lengths) Including Clean-Out, Complete in Place	50.00	\$ 31,350.00	\$ 850.00	\$ 48,450.00
38	Trench Safety Including Point Repairs and Sanitary Sewer Replacements	2.00	\$ 8,576.00	\$ 2.00	\$ 8,576.00
SUBTOTAL SECTION 6 - ADD ALTERNATE			\$ 371,700.00		\$ 392,522.00
SUBTOTAL SECTION 4 - TRAFFIC CONTROL AND REGULATIONS			\$ 10,000.00		\$ 10,000.00
SUBTOTAL SECTION 5 - EXTRA WORK ITEMS			\$ 112,800.00		\$ 76,550.00
SUBTOTAL SECTION 6 - ADD ALTERNATE			\$ 371,700.00		\$ 392,522.00
TOTAL			\$ 984,720.75		\$ 864,406.84
TOTAL			\$ 371,700.00		\$ 392,522.00
TOTAL BASE BID & ALTERNATE			\$ 1,356,420.75		\$ 1,256,928.84

Errors Corrected by Engineer

December 2, 2019

Mr. Martin Lemond, President
Harris County Municipal Utility District No. 50
12900 Crosby Lynchburg Road
Crosby, Texas 77532

Re: HC MUD 50
Wastewater Treatment Plant No. 2 (Phase 1) – Pay Estimate No. 12 (FINAL)
TWDB Project ID: 73706

Dear Mr. Lemond,

We have received and reviewed Pay Estimate No. 12 (FINAL) for the above referenced project in the amount of \$114,370.62. We recommend payment of \$67,370.62 for the attached pay estimate due to the deduction amount stipulated below. There are no outstanding change orders. A short tabulation below summarizes the final contract amounts, including the recommended deductions to be discussed at the board meeting held on December 3, 2019. Please note that Pay Estimate 12 (FINAL) includes payment of retainage in the amount of 5% of the contract amount after all change orders.

Contract Amount (including change orders)	\$2,287,412.40
Final Work-In-Place	\$2,287,412.40
Previous Payments	\$2,173,041.78
Retainage amount	\$114,370.62
Liquidated Damages	(\$47,000.00)
Amount Due (Pay Estimate 12 FINAL)	\$67,370.62

If you have any questions, please call me at 936-224-7114.

Sincerely,

COBB, FENDLEY & ASSOCIATES, INC.



Amber R. Hurd, P.E.

cc: Rodney Schwarzlose – Black Castle General Contractor
Reginald Wilson – Norton Rose Fulbright
Jessica Taylor – TWDB



TBPE Firm Registration No.274

13430 Northwest Freeway, Suite 1100 | Houston, Texas 77040

Phone: (713) 462-3242 | Fax: (713) 462-3262

Application and Certificate for Payment

PROJECT: Harris County MUD 50 Water Plant Improvements

OWNER: Harris County MUD 50
ADDRESS: 12900 Crosby-Lynchburg
Crosby, TX 77532

PAY PERIOD: From 10/21/2019 To 11/20/2019

ENGINEER: Rachel Broom, PE

Estimate No 2

7/15/2019 Notice to Proceed
6/14/2020 Substantial Completion Date
7/14/2020 Final Completion Date

Initial Contract Time 365 days
Current Approved Extensions 0 days
Previous Approved Extensions 0 days
Total Contract Time 365 days
Spent Days 128 days
Days Remaining 237 days
Rain Days To Date 0 days

Change Orders:

	NO.	Date:	Amount:
Approved Change Orders:	<u>1</u>	<u>9/3/2019</u>	<u>\$2,500.00</u>
	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>

Total Change Orders: \$2,500.00

Payment Calculation:

Original Contract Sum:	\$	<u>1,328,690.00</u>
Net Change by Change Orders:	\$	<u>2,500.00</u>
Contract Sum to Date:	\$	<u>1,331,190.00</u>
Total Completed and Stored to Date:	\$	<u>76,000.00</u>
Retainage:		
% of Completed Work:		<u>5%</u>
Total Retainage:	\$	<u>3,800.00</u>
Total Earned Less Retainage:	\$	<u>72,200.00</u>
Less Previous Certificates of Payment:	\$	<u>36,195.00</u>

Current Payment Due: \$ 36,005.00

The foregoing estimate of work completed is true and correct to the best of my knowledge and belief.

Approved by: Rachel Broom
Engineer

Date: 11/25/19



SCHIER CONSTRUCTION COMPANY, INC.

14250 Schroeder Road • Houston, Texas 77070

281-469-1822
Fax 281-469-1373

Jim Schier • Don Maas

November 20, 2019

Cobb, Fendley and Associates, Inc.
13430 Northwest Freeway, Suite 1100
Houston, TX 77040

Attn: Rachel Broom, P.E.
Project Manager

Estimate #2
Harris County MUD No. 50
Water Plant Improvements
CFA Project No.

Billing Period: October 21 - November 20, 2019

ORIGINAL CONTRACT AMOUNT	\$1,328,690.00
C.O. #1 - Add 5HP, 60 Gal Air Compressor	<u>\$2,500.00</u>
Revised Contract Total	\$1,331,190
Total Value of Work Complete and Material on Hand	\$76,000.00
Less 5% Retainage	<u>(3,800.00)</u>
Amount Due to Date	72,200.00
Less Previous Estimates	<u>36,195.00</u>
Amount Due this Estimate	\$36,005.00

Thank you,

SCHIER CONSTRUCTION CO., INC.

James E. Schier, P.E.
President

COST BREAKDOWN

**HARRIS COUNTY MUD NO. 50
Water Plant Improvements
Cobb Fendley and Associates**

Billing Period: October 21 - November 20, 2019

BID ITEM	DESCRIPTION	TOTAL COST	PREVIOUS COMPLETE	CURRENT COMPLETE	% COMPLETE	EST #2	REMAINING
SECTION 1 - Mobilization							
#1	Mobilization, Bonds & Insurance						
	MOB & Job Set-Up	13,900	13,900		100%	13,900	0
	Insurance & Bonds	20,000	20,000		100%	20,000	0
	SUB-TOTAL SECTION 1	33,900	33,900	0	100%	33,900	0
SECTION 2 - Water Plant No. 1 - Crosby Lynchburg							
#2	Demolition						
	B-Pumps & Yard Piping	9,400			0%		9,400
	Electrical Demo	11,400			0%		11,400
	Disinfection Equipment	1,500			0%		1,500
	Bid Item No. 2 Total	22,300			0%	0	22,300
#3	Site Prep, Clearing and Final Grade						
	Site Prep & Clearing	3,300			0%		3,300
	Final Grade	3,000			0%		3,000
	Hydromulch	1,500			0%		1,500
	Bid Item No. 3 Total	7,800			0%	0	7,800
#4	TPDES Requirements						
	Silt Fence	300	300		100%	300	0
	Access Road	1,300			0%		1,300
	Bid Item No. 4 Total	1,600	300	0	19%	300	1,300
#5	16' Swing Gate	2,900		2,900	100%	2,900	0
#6	Concrete Foundation						
	715SF @ 36.00/SF						
	Pump Slab	23,040			0%		23,040
	Chlorine Building	2,700			0%		2,700
	Bid Item No. 6 Total	25,740			0%	0	25,740
#7	Sidewalk	3,450			0%		3,450
	230 SF @ 15.00/SF						
#8	6" Gravel Drive, Includ. Lime & Subgrade						
	Material	3,000			0%		3,000
	Installation	3,930			0%		3,930
	Bid Item No. 8 Total	6,930			0%	0	6,930
#9	Booster Pump Awning						
	Material	4,900			0%		4,900
	Installation	6,000			0%		6,000
	Bid Item No. 9 Total	10,900			0%	0	10,900
#10	Chlorine Disinfection System in Fiberglass Enclosure						
	Yard Piping	1,000			0%		1,000

COST BREAKDOWN

**HARRIS COUNTY MUD NO. 50
Water Plant Improvements
Cobb Fendley and Associates**

Billing Period: October 21 - November 20, 2019

BID ITEM	DESCRIPTION	TOTAL COST	PREVIOUS COMPLETE	CURRENT COMPLETE	% COMPLETE	EST #2	REMAINING
	Chlorine System	38,300			0%		38,300
	Bid Item No. 10 Total	39,300			0%	0	39,300
#11	Emergency Eyewash/Shower	1,300			0%		1,300
#12	Yard Piping & Connection to Dist. Sys.						
	Material	117,000			0%		117,000
	Installation	20,200			0%		20,200
	Painting	8,800			0%		8,800
	Bid Item No. 12 Total	146,000			0%	0	146,000
#13	550 GPM Booster Pumps						
	4 ea. @ \$7,400/ea.						
	Foundation	1,600			0%		1,600
	Pumps	26,000			0%		26,000
	Painting	2,000			0%		2,000
	Bid Item No. 13 Total	29,600			0%	0	29,600
#14	Electrical System						
	New 600A Electrical Service Pole w/ SPD, Grounding	17,000			0%		17,000
	MCC w/ Controls	91,200			0%		91,200
	Mini-Power Centers-Office, Generator	15,300			0%		15,300
	Conduit, Fittings, Ductbank	66,500			0%		66,500
	Wiring & Terminations	37,900			0%		37,900
	Lighting	9,600			0%		9,600
	Testing, Startup, Documentation	3,800			0%		3,800
	Bid Item No. 14 Total	241,300			0%	0	241,300
	SUB-TOTAL SECTION 2	539,120	300	2,900	1%	3,200	535,920
	SECTION 3 - Water Plant No. 2 - St. Charles						
#15	Demolition						
	GST & Hydro Tank	11500			0%		11,500
	Yard Piping	6000			0%		6,000
	Driveway	1500			0%		1,500
	Fence	1500			0%		1,500
	CL2 Enclosure	2000			0%		2,000
	Bid Item No. 15 Total	22,500			0%	0	22,500
#16	Site Prep, Clearing and Final Grade						
	Site Prep & Clearing	6800			0%		6,800
	Final Grade	3000			0%		3,000
	Hydromulch	1500			0%		1,500
	Bid Item No. 16 Total	11,300			0%	0	11,300
#17	TPDES Requirements						
	Silt Fence	3,900	3900		100%	3,900	0
	Access Road	2,500			0%		2,500

COST BREAKDOWN

**HARRIS COUNTY MUD NO. 50
Water Plant Improvements
Cobb Fendley and Associates**

Billing Period: October 21 - November 20, 2019

BID ITEM	DESCRIPTION	TOTAL COST	PREVIOUS COMPLETE	CURRENT COMPLETE	% COMPLETE	EST #2	REMAINING
	Bid Item No. 17 Total	6,400	3900	0	61%	3,900	2,500
#18	8' Chain Link Fence 510LF @ 39.00/LF	19,890			0%		19,890
#19	16' Swing Gate 2 ea. @ \$2,700/ea.	5,400			0%		5,400
#20	Concrete Foundation 675SF @ \$38.00/SF						
	Pump Slab	22950			0%		22,950
	Chlorine Building	2700			0%		2,700
	Bid Item No. 20 Total	25,650			0%	0	25,650
#21	Galvanized Bolted GST - Not Awarded	123,300			0%		123,300
#22	Hydro Tank						
	Foundation	13,000		13000	100%	13,000	0
	Set Tank	3,000			0%		3,000
	Hydro Tank & Paint	63,000			0%		63,000
	Piping - Misc.	500			0%		500
	Air Compressor	2,500			0%		2,500
	Splash Pad	1,000			0%		1,000
	Sterilization	500			0%		500
	Bid Item No. 22 Total	83,500		13000	16%	13,000	70,500
#23	Asphalt Access Apron 35SY @ \$72.00/SY	2,520			0%		2,520
#24	6" Gravel Drive, Includ. Lime & Subgrade 135SY @ \$66.00/SY						
	Material	4200			0%		4,200
	Installation	4710			0%		4,710
	Bid Item No. 24 Total	8,910			0%	0	8,910
#25	Booster Pump Awning						
	Material	4,900			0%		4,900
	Installation	6,000			0%		6,000
	Bid Item No. 25 Total	10,900			0%	0	10,900
#26	Chlorine Disinfection System in Fiberglass Enclosure						
	Yard Piping	1000			0%		1,000
	Chlorine System	39600			0%		39,600
	Bid Item No. 26 Total	40,600			0%	0	40,600
#27	Emergency Eyewash/Shower	2,400			0%		2,400
#28	Yard Piping & Connection to Dist. Sys.						
	Material	97000			0%		97,000
	Installation	27500			0%		27,500
	Painting	9400			0%		9,400
	Tapping, Sleeve & Valve	7000			0%		7,000
	Bid Item No. 28 Total	140,900			0%	0	140,900

COST BREAKDOWN

HARRIS COUNTY MUD NO. 50
Water Plant Improvements
Cobb Fendley and Associates

Billing Period: October 21 - November 20, 2019

BID ITEM	DESCRIPTION	TOTAL COST	PREVIOUS COMPLETE	CURRENT COMPLETE	% COMPLETE	EST #2	REMAINING
#29	300 GPM Booster Pumps						
	3 ea. @ \$5,800/ea.						
	Foundation	1,200			0%		1,200
	Pumps	14,600			0%		14,600
	Painting	1,600			0%		1,600
	Bid Item No. 29 Total	17,400			0%	0	17,400
#30	Electrical System						
	Demo & Rework Electrical Service w/SPD	12,600			0%		12,600
	MCC w/ Controls	85,000			0%		85,000
	Conduit, Fittings, Ductbank	30,800			0%		30,800
	Wiring & Terminations	13,800			0%		13,800
	Lighting	9,600			0%		9,600
	Testing, Startup, Documentation	3,800			0%		3,800
	Bid Item No. 30 Total	155,600			0%	0	155,600
	SUB-TOTAL SECTION 3	677,170	3,900	13,000	2%	16,900	660,270
	B. CASH ALLOWANCE						
#30	Upgrade & Relocate Electrical Services WP No. 1	75,000			0%		75,000
	C. ALTERNATE ITEMS						
A-1	DEDUCT ITEM 21						
	Galvanized Bolted GST	-123,300			0%		(123,300)
A-2	83,000 Gallon Epoxy Coated Bolted Steel GST & Foundation						
	Foundation	22,000		22,000	100%	22,000	0
	Asphalt Pad	2,000			0%		2,000
	Tank Material	66,200			0%		66,200
	Tank Erection	27,100			0%		27,100
	Painting	7,000			0%		7,000
	Splash Pad	1,500			0%		1,500
	Sterilization	1,000			0%		1,000
	Bid Item No. A-2 Total	126,800	0	22,000	17%	22,000	104,800
	TOTAL CONTRACT AMOUNT	1,328,690	38,100	37,900	6%	76,000	1,252,690
	CHANGE ORDER #1 (8/7/19)						
	Add Air Compressor	2,500			0%		2,500
	REVISED CONTRACT TOTAL	1,331,190	38,100	37,900	6%	76,000	1,255,190



November 27, 2019

Rev. Ed H. Allred
Calvary Church of the Nazarene
20707 Crosby Freeway
Crosby, TX 77532

Re: Response to Request for Utility Service
20707 Crosby Freeway, Crosby, TX 77532

Dear Rev. Allred:

Harris County Municipal Utility District No. 50 (HCMUD 50) has considered your request for a utility commitment to serve a 3,600 square foot church and residence located at 20707 Crosby Freeway.

HCMUD 50 does not have the capacity to provide service to this property. The District is currently unable to serve 20707 Crosby Freeway with public water and sewer service.

Enclosed with this letter is a copy of the District's Rate Order, which sets forth the policies and charges of the District for water and sanitary sewer service. The Rate Order is subject to modification from time to time as deemed appropriate by the Board of Directors of the District.

If you have any questions or comments concerning the above, please contact me at 713-462-3242.

Sincerely,

COBB, FENDLEY, & ASSOCIATES, INC.

A handwritten signature in cursive script, appearing to read "Amber R. Hurd".

Amber R. Hurd, P.E.
District Engineer

cc: Dara Eng, District Manager

December 4, 2019

Tracy and Shonell Griffith
P.O. Box 1955
Crosby, Texas 77532

Re: Capacity Reservation for Utility Service at 0 Hwy 90, Barrett Station
Proposed Apartment Complex Legacy Landing

Dear Mr./Ms. Griffith:

In response to your request for water and sewer service, Harris County Municipal Utility District No. 50 has considered your request for utility commitment to serve a 240-unit multi-family apartment complex or 91 equivalent single-family connections (ESFC) located at 0 Highway 90. The property is currently unplatted.

Subject to the conditions set forth by the District, this is to certify and commit that the District has sufficient utility capacity to provide water and wastewater service in an amount not to exceed 28,572 gallons per day of wastewater or 114 equivalent single-family connections and 29,600 gallons per day of water or 240 water connections. This flow was calculated by the proposed development type based on the City of Houston equivalency chart, utilizing 250 gallons per day of wastewater flow and 259 gallons per day of potable water use per ESFC.

This reservation shall run for a term of one year from the date hereof. In the event that the development of improvements upon the tract is not commenced within such a time period, this reservation shall automatically terminate and expire. This reservation letter is not a purchase of allocated capacity. Capacity will be allocated once all agency approvals have been obtained for construction of the development.

Construction of water and wastewater facilities shall not commence until approved plans by all governmental agencies and recorded plat have been submitted to the District Engineer. The following items must be submitted to the Engineer for review:

1. Proposed Site Plan, Utility Plan and Profiles, and Drainage Plan Sealed by a Registered Professional Engineer
2. Preliminary Plat and Recorded Plat
3. Harris County Commercial Development Plan Approval
4. Harris County Flood Control District Approval
5. Texas Department of Transportation Approval (if adjacent to TxDOT ROW)

Applicable tap fees will be calculated by the District's Operator, in accordance with the Rate Order, when an application for service is submitted by the property owner. Enclosed with this letter is a copy of the District's Rate Order, which sets forth the policies and charges of the District for water and sanitary sewer service. The Rate Order is subject to modification from time to time as deemed appropriate by the Board of Directors of the District.

This reservation does not guarantee you any specific quantity or pressure of water. Water production may be affected by matters outside the control of the District, including but not

Mr./Ms. Griffith
December 4, 2019
Page 2 of 2

limited to acts of God or permit or pumpage limitations of the Harris Galveston Subsidence District.

This capacity reservation is made for your benefit alone and is not assignable in whole or in part without the prior written consent of the District, which consent shall not be unreasonably withheld. Upon completion of development of the Tract in its entirety, any unused capacity shall revert to the District for its reallocation or other use at the sole discretion of the Board of Directors.

If you have any questions or comments concerning the above, please contact me at 713-462-3242.

Sincerely,

COBB, FENDLEY, & ASSOCIATES, INC.

Amber R. Hurd, P.E.
District Engineer

cc: Dara Eng, District Manager
Reginald Wilson, Jr., Norton Rose Fulbright

Harris County MUD 50 Wastewater Treatment Plant Capacity

December 2019

	WWTP Capacity (Average Flow MGD)	WWTP Capacity (Peak Flow MGD)	Allowable Connections (based on Note 1 flows)
WWTP 1 Existing	0.55	1.375	1,719
WWTP 2 Ph1 Existing	0.09	0.36	360
Total Existing	0.64	1.735	2,079
Future (WWTP 2 Ph2)	0.09	0.36	360
Total Future	0.73	2.095	2,439

Connection Count		WWTP 1	WWTP 2
Existing Connection Count	1,399	1,090	309
Existing Connection Count + Kodiak Crossing (194 remaining lots)	1,513	1,090	423
Existing Connection Count + Kodiak Crossing (194) + 20 acre tract (80)	1,593	1,090	503
Existing Connection Count + Kodiak Crossing (194) + 20 acre tract (80) + Griffith Apartments (240 units or 114 ESFC)	1,787	1,204	583
REMAINING CAPACITY		515	137

Notes:

1. Assuming 200 gpd per connection for WWTP1 and 250 gpd per connection for WWTP2.
2. Kodiak has existing 114 homes; platted for 194 more homes; total of 308 homes Sections 1-4.

MUD 50 WATER SYSTEM CAPACITY RATING December 2019

**ACR = 0.42 gpm/conn

	Existing Facility Rating			Proposed Facility Rating		
	Units	TCEQ Std- ESFC/Unit	ESFC	Units	TCEQ Std- ESFC/Unit	ESFC
Source Water Supply						
Crosby-Lynchburg - Well # 1, gpm	500	0.42	1,190	500	0.42	1,190
St. Charles - Well # 2, gpm	200	0.42	476	370	0.42	881
Magnolia - Well # 3, gpm	200	0.42	476	200	0.42	476
Total System Water Supply Capacity, gpm	900		2,143	1070		2,548

STORAGE CAPACITY

Crosby-Lynchburg - GST #1 Volume, gal	490,000	200	2,450	490,000	200	2,450
St. Charles - GST #2 Volume, gal	20,000	200	100			
St. Charles - GST #2 Volume, gal				80,000	200	400
Magnolia - GST #3 Volume, gal	43,000	200	215	43,000	200	215
Total System GST Volume, gal	553,000		2,765	613,000		3,065

Booster Pumping Capacity

Crosby-Lynchburg - BP # 1-1, gpm	500	2	250			
Crosby-Lynchburg - BP # 1-2, gpm	400	2	200			
Crosby-Lynchburg - BP # 1-3, gpm	175	2	88			
Crosby-Lynchburg - BP # 1-1, gpm				550	2	275
Crosby-Lynchburg - BP # 1-2, gpm				550	2	275
Crosby-Lynchburg - BP # 1-3, gpm				550	2	275
Crosby-Lynchburg - BP # 1-4, gpm				550	2	275
St. Charles - BP # 2-1, gpm	200	2	100			
St. Charles - BP # 2-2, gpm				300	2	150
St. Charles - BP # 2-3, gpm				300	2	150
St. Charles - BP # 2-4, gpm				300	2	150
Magnolia - BP # 3-1, gpm	200	2	100	200	2	100
Magnolia - BP # 3-2, gpm	200	2	100	200	2	100
Magnolia - BP # 3-2, gpm	200	2	100	200	2	100
Total System Booster Pumping Capacity, gpm	1,875		688	3,700		1,575

MDD = 664200 gpd from approved ACR
 PHD = 51199 gph
853 gpm

PRESSURE CAPACITY

Crosby-Lynchburg - EST #1 Volume, gal	250,000	100	2,500	250,000	100	2,500
St. Charles - HPT #2 Volume, gal	1,000	20	50			
St. Charles - HPT #2 Volume, gal				15,000	20	750
Magnolia - HPT #3 Volume, gal	5,000	20	250	15,000	20	750
Total System Hydropneumatic Tank Volume, gal	6,000		2,500	30,000		2,500

**We meet requirement of more than 2 pumps with 1,000 gpm and meeting peak hourly demand with largest pump out of service.

Rated Water System Connection Capacity	688	2,500	1,813
Connections at 85% Capacity	584	2125	

WATER UTILITY OPERATIONS
MOC
MUNICIPAL OPERATIONS & CONSULTING, INC.

MONTHLY OPERATIONS REPORT FOR Harris County MUD 50

Nov-19

Billing Date 10/03/19 - 11/07/19

WATER

	October
Gallons pumped from WTP #1:	7,047,000
Gallons pumped from WTP #2:	3,026,000
Gallons pumped from WTP #3	1,387,000
Total Gallons Pumped:	11,460,000
Billed Gallons:	8,776,500
Loss to Leaks	350,000
Flushing	50,000
GST	0
Accountability	77%
Accountability w/ Leaks and Flushing	80%

Bacteriological Samples:	<u># Taken</u>	<u>Results</u>
	5	Good

Water Taps Y-T-D - 0

WASTEWATER TREATMENT PLANT AND LIFT STATIONS

Permit # TX0057053
 Permit expiration date: June 28, 2023

	<u>Excursion</u>	<u>October</u>
Average daily flow	NO	0.536000
Average CBOD	NO	2.649
Average Total Suspended Solids	NO	1.768
Average Ammonia Nitrogen	NO	1.270
Average PH	NO	7.210
Maximum Chlorine Residual	NO	3.900
Minimum Chlorine Residual	NO	1.040
Average Dissolved Oxygen	NO	8.280
Average E. coli	NO	1.000

Sewer Treatment plant is currently operating at 97% of the permitted capacity

	Measured by:	
Permitted Daily Flow	0.550	mgd
Permitted BOD	10	mg/l
Permitted T.S.S.	15	mg/l
Permitted Ammonia Nitrogen	3	mg/l
Permitted PH	6.00 - 9.00	STD UNIT
Permitted Chlorine Maximum	4.0	mg/l
Permitted Chlorine Minimum	1.0	mg/l
Permitted Dissolved Oxygen	4.0	mg/l
Permitted E. coli	126.0	mpn

Rainfall for the Month: 6.65 Inches

Exhibit C

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

12900 Crosby-Lynchburg Road

Barrett Station, Texas 77532

Phone: (281) 328-2041 • Fax: (281) 328-5750

District Matters

Web Subscriptions

195 out of 1,402

Collections Unlimited

\$3,274.19 reported as paid

Total: \$157,628.78 / 663 Accounts

Smart Meters

1,498

Active Accounts

1,438

Billed Customers

1,427 (Usages between 10/3 to 11/7)

Office

11/19 MOC Sweep/Quote

12/9 Christmas Holiday Dinner

Bookkeeper Meeting Rescheduled to 12/19

Conferences

AWBD January 17-18 (Fri-Sat)

Martin / Andrew / Alice

Exhibit D

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

12900 Crosby-Lynchburg Road

Barrett Station, Texas 77532

Phone: (281) 328-2041 • Fax: (281) 328-5750

District Timeline

12/3

J. Montgomery reported damage to new gates at WWTP 1 that was recently installed.

11/25

Vehicle accident on Reuben White and FM 2100 reported by Fire Dept.

Claim was filed with Progressive. Pending adjuster's call back.



11/22

Leak at the canal repaired.

11/19

District Sweep has started.

Reported 11/11/2019

11/8

Spoke with owner on Magnolia street where gates for WWTP1 is being built. She is requesting the District remove the gates off of her property. Survey submitted by owner is under review.

11/4

730 Ridge has been found to be tampering with neighbors' water and sewer lines. 735 Ridge tenants called stating she allowed 730 Ridge customer to use her water and pay a portion. Owner of 734 Ridge states the tenant no longer lives there and was unaware of the illegal usage. 730 Ridge is now trying to tap into the meter that currently belongs to 722 Ridge.

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

12900 Crosby-Lynchburg Road

Barrett Station, Texas 77532

Phone: (281) 328-2041 • Fax: (281) 328-5750

10/29 WWTP 1 Breaker caught on fire. Firetruck refused to drive on property due to roadway too risky. An electrician should have been sent out.

Reported 10/24/2019

10/24 Substantial Meeting w/Cobb Fendley, Black Castle, MUD 50 Operators and TWDB at WWTP2

10/15-18 WWTP2 preparation for testing under way.

10/14 328 Reuben White tenant called stating property was illegally using water for another trailer on the same property. Operators went out and confirmed the illegal usage. A letter will be mailed to the owner of the property.

10/8 Special Meeting to approve amended agreement between GLO and Centerpoint.

10/7 A resident called the office and stated Bal Harbor's lid popped off and hit her rim. The District's insurance providers (Gallegher) was contacted and a claim has been made. Status pending.

10/7 Quarterly Meeting

Reported 10/1/2019

9/24 TWDB approved Change Order request submitted to install one vertical tank mounted Ingersoll Rand air compressor and one energize to open the proposed hydropneumatic tank.

Certificate of Approval from TWDB received authorizing the release of the final retainage for Smart Meter project.

9/18 Customer at 614 Elm was quoted differently after depth was corrected from 14" to 15". Customer did not want to pay the difference and requested their payment back.

9/18 Kodiak Crossing residents informed of \$5 Levy for retention pond.

9/18 Customers were mailed letters regarding their damaged meter charge.

9/9 Customers were disconnected for past dues over \$10.00

Reported 9/3/2019

8/28 Collections Unlimited was sent another list of past due delinquent accounts totaling \$4,578.97

8/24 Recap Report to match the District's Accounts Receivables was found and updated.

8/22 Landlord's Utility Agreement became effective.

8/8 551 Zinn –was charged \$1,000.00 in penalty for illegally turning water meter on. Customer has satisfied payment with the District.

7/31 Lonestar 811 no longer operates in the state of Texas. Texas 811 was provided all members from Lonestar and called the District Manager for membership sign-up. No contracts. Opt-out anytime. Texas 811 charge will be \$0.95 per call compared to previous charge of \$0.90 per call with Lonestar.

7/29 701 Red Oak meter was pulled stealing water. The customer was disconnected on July 9th for delinquency in the amount of \$590.16. Customer is required to pay the full amount plus the \$35 reconnect fee. No water is restored until a written agreement is signed with account holder/owner.

7/17 Special Meeting – Went over Rate Order

7/16 Homecoming

7/11 Emergency crews sent to fix water/sewer line on Magnolia leading from park to Sewer Plant. Repair completed that night.

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

12900 Crosby-Lynchburg Road

Barrett Station, Texas 77532

Phone: (281) 328-2041 • Fax: (281) 328-5750

- 7/9 Attorneys received response from claim consultant for 830 FM 1942 damages. Consultant will write recommendation to client same day for damage claim.
- 7/1 Consultants Quarterly Meeting

Reported 06/27/2019

- 6/26 Auditors met with DM and went over District process and reports.
- 6/17 Leak at canal of St. Charles & Ridge.
MOC will be working with Robin beginning Monday 7/1 to locate valves to turn off water. Possible boil water notice.
- 6/13-16 AWBD in Fort Worth.
- 6/5 Collections Unlimited check received. Total amount of \$316.14 was paid and the District received check for \$201.85
- 6/4 Leak reported by Director David at 11815 Penn Street. Customer's bill is \$1,636.85 and the customer is asking if we can hold the renter company liable for the balance. Tenant/Operator reported that there is a valve behind the house that serviced another building years ago. The building is no longer there and the line lead to an open area. When the new tenant moved in, the owners left the valve open, causing to water to continue running into empty ditch.
- 5/29 MOC did a sweep to confirm all meters swapped or incomplete. Reports sent to Rachel Broom with Cobb Fendley. No word yet. Another sweep will be don't end of June.
- 5/22 Smart Meter meeting with Accurate, Cobb Fendley, Director Lemond & DM. 1,357 residential meters were changed.
- 5/7 Smart Meter meeting with Accurate, Cobb Fendley, Director Sonnier & DM. Accurate reported that meters that were not on the list to be swapped was changed. This left the District to complete 45 meters to have the operators install. (completed by 6/21/219) DM confirmed 80 extra smart meters were delivered according to project agreement. District given one year of free Beacon system then after, \$10.68 per meter.
- 5/1 Open Enrollment starts. Rob Halverson met with office/field staff to discuss health benefits.

Reported 04/26/2019

- 4/25 Open Enrollment Staff meeting held at office. Employees were able to discuss health/dental/vision insurance for the next benefit year, starting in May.
- 4/23 Response for 830 FM 1942 damages were received and a claim has been opened.
- 4/18 Consultants and DM discussed Live Oak's assistance with funding.
1. Live Oaks charge higher rates than USDA to complete documents for the District.
 2. Need John Howell's involvement regarding qualifications such as debt service tax rate to support loan.
- 4/16 5 leaks were found after SMART meter swap. Accurate Meters are responsible for meter replacement and line fix at no cost to the District.

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

12900 Crosby-Lynchburg Road

Barrett Station, Texas 77532

Phone: (281) 328-2041 • Fax: (281) 328-5750

- 4/15 Water Quality Letter inserts sent to customers.
- 4/10 Rate Order updated to show multiplier has been put into effect starting March 4, 2019.
- 3/26 Board and DM attended TRWA conference in Austin.

Reported 3/26/2019

- 3/25 Customers with multiple use on one meter were sent a letter informing them of multiplier on their sewer rates. This will start in the next few months.
- 3/25 11727 Penn St was sent a letter notifying him of his water turn off if he doesn't repair his cleanout line or build an easement.
- 3/12 WRYCO or RYCO contacted DM to take ownership of property that hired a Contractor who damaged the lines at 830 FM 1942. Faxed in contractor's (Fred Soucie) Insurance. Send to legal for review and next steps.
- 3/6 Ms. Narcisse's driveway was repaired with the asphalt replacement she requested.

Reported 2/25/2019

- 2/22 Waste Water Sewer Plant #1's Roadway and Fence completed by MOC. Fence – \$2,300.00 & Roadway - \$13,000.00
- 2/21 (Damages made on 12/7) 830 FM 1942 Contractor was contacted about MOC charge due to hitting line and causing the District \$8,006.85. Drafted a letter to property owner to explain District damages and requesting a response.
- 2/19 Letter sent out to customers found to have multiple tap-ins on one connection. (About 22 customers)
- 2/18 SMART Meter installs have started.
- 2/13 Collections Unlimited were sent the list of delinquent customers. Customers have been contacted.
- 2/5 WWTP #1 Inspection. 4 Violations. Immediate response and correction needed for roadway and fence. Other violations taken care of by MOC/Robin.

Reported 2/5/2019

- 2/3 Customer/Fire Chief call regarding water burst on 1942. Water bursts up to 30 Feet in the air. MOC called to repair leak due to old abandoned pipe. Clamped off permanently.
- 2/2 Trees cut, and area cleaned by Mr. Marcelino Dominguez located at MUD 50's exit.
- 1/30 551 Zinn Meter pulled due to broken lock on meter to illegally use water. Customer penalized by \$1,000.00 (put on payment arrangement) Customer paid full balance owed and has a signed agreement with DM for payment arrangement to satisfy penalty charge.
- 1/28 DM met with John Hall to go over District Matters.
- 1/25-26 Board and DM attended AWBD conference in Austin. (excluding Daryl Johnson)
- 1/25 Roof Repaired by Ray Jeffery for \$1500.00 completed.

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 50

12900 Crosby-Lynchburg Road

Barrett Station, Texas 77532

Phone: (281) 328-2041 • Fax: (281) 328-5750

- 1/24 4 new surveillance cameras and a new box installed at MUD 50's office due to damage from circuit issue. \$1599.00
- 1/21 Magna Flow tested at Bal Harbor to identify issue causing overflow. (John M. still working on it)

Reported 1/31/2019

- 1/17 Directors Lemond, Sonnier and David met with William Rose from Woodforest to sign the loan agreement for the purchase of a vehicle. Truck was picked up the next day.
- 1/16 Notices sent out with water bill to all customers informing them of SMART meter transition. Office and online web have also been updated.
- 1/15 Meeting with Accurate, Cobb Fendley, MOC, Director Sonnier and District Operator/CSR to go over SMART Meter Plan. Meter swap will start Feb. 20 and will last 90 days. CSR training to take place on Feb. 26. (Office to be closed for one day as CSRs train on new Beacon system.) Commercial swaps will take place on March 11 during Spring Break. Accurate Meters, Cobb Fendley and DM will meet monthly at 4PM before Bookkeeper's meeting to discuss updates.
- 1/7 Harris Galveston Subsidence District Meeting. Request for extension on Surface water will not be known until late September. New Directors at TWBD which gives MUD 50 an advantage on extension. MUD 50 was complimented on the improvements of the Districts and. HGSD looks forward to SMART Meters completion for accountability of water loss.
- 1/7 Quarterly Meeting at NRF. Discussed the latest projects, bonds, and ongoing operations in the District.

Reported 12/27/2019

- 12/19 Bills to be sent out a little later than usual due to re-reads needed. DM will review strategies for possible customer complaints on due date. (have two weeks' notice before bill is due.)
- 12/7 830 FM 1942 – A contractor for property owner damaged a line that had to isolate 3 houses to fix. Contractor (Fred Soucie 713-703-3452) stated that he instructed the property owner to mark the lines, however the property owner stated there were no lines. Waiting for MOC's invoice to bill the contractor.
- 12/3 Possibility of Low Water Pressure again on 1942. John's team remained on site in case a leak was to occur. No leak, issue completed successfully.
- 12/1 System-wide flushing for commercial/schools completed.
- 11/29 Same line on 1942 from 11/21 broke again and same area isolated. Barrett Primary School was affected and MOC provided water for the school.
- 11/21 Main line on 1942 damaged due to contractors working on WWTP #2. (check with John Montgomery if contractor is **not** responsible for AC damage.) Issue was resolved after 1AM that night. A few complaints were still made due to some valves left off.

Directors

From 12/03/2019 To 12/03/2019

Counts

Total Connections	1,650
Total Meters	1,498
Active Connections	1,444
New Accounts	1
Closed Accounts	0
Final Bills	0
Meters	1,498
1	6
1.5	3
2	11
3	1
5/8	1,475
GEN	2

Distribution Efficiency Summary

		Units	Percentage
WAT	Supplied	0.00	100.00%
	Sold	0.00	0.00%
	Lost	0.00	100.00%
	Parcels using WAT	0	
	Average Usage per Parcel	0.00	

Monthly Activity

Item	Amount
Balance Due Through 12/02/19	\$287,402.26
Payments	(\$350.62)
Credit Adjustments (Decreases AR)	\$0.00
Debit Adjustments (Increases AR)	\$60.00
Balance After Payments and Adjustments	\$287,111.64
Bills (includes applicable taxes)	\$0.00
Returned Checks	\$0.00
Late Fees (Includes applicable taxes)	\$0.00
Balance Due as of 12/03/19	\$287,111.64