

**MINUTES OF A REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
HORIZON REGIONAL M.U.D.**

A regular meeting of the Board of Directors of the Horizon Regional M.U.D. was held on Thursday October 28, 2021 at 6:00 p.m. in person at 14100 Horizon Blvd, Horizon City, Texas, pursuant to notice given in accordance with the law.

The roll was called of the members of the board, to-wit:

Gordon, Jarvis	-	President
Dean Hulsey	-	Vice President
Florence Thomas	-	Treasurer
Mike Barton	-	Secretary
<i>vacant</i>	-	<i>vacant</i>

Director Gordon Jarvis called the meeting to order at 6:00 p.m. A quorum was established. Also attending the meeting were the District's consultants: Account Manager - Charlie McGinnis, Administrative Assistant III - Veronica Saucedo. District Attorney - Alan Petrov. TRE & Associates Inc. - Linda Troncoso, Tom Urrabazo, Frank Ortiz. Horizon Golf & Conference Center - Luis Delgadillo. Moonlight - Tulia Zepeda. El Paso Disposal - Lorena Quezada. The Pledge of Allegiance was said with audience participation.

**4. RECEIVE CITIZEN COMMUNICATIONS.**

None

**5. CONSENT AGENDA.**

A: Consider and Take Action to approve the Minutes of Regular Meeting held on September 23, 2021 and Special Meetings held on August 18, 2021, September 16, 2021, September 27, 2021 and October 15, 2021.

- B: Consider and Take Action to Approve the Payment of Bills and Invoices for Operations and Construction; and to Approve the Transfer of Funds.
- C: Consider and Take Action to Approve the Financial Statement for the Month Ending September 30, 2021.
- D: Consider and Take Action to Approve the Payment of Bills and Invoices for Operations and Construction for Spray Field; and to Approve the Transfer of Funds for Spray Field # 1.
- E: Consider and Take Action on Pay Estimate No. 9 for HRMUD Water Supply Wells #10 and 11.
- F: Consider and Take Action on Biglon and Duanesburg Force Main Emergency Replacement Pay Application No. 6.
- G: Consider and take action on Pay Estimate No. 3 for Summer Sky Water and Wastewater Improvements.

Motion was made by Director Hulsey and seconded by Director Barton to approve the Consent Agenda.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

**6. DISCUSSION ON HORIZON VIEW ESTATES SEWER PROJECT.**

Discussion item only. Ms. Troncoso stated they had submitted all documents to the Texas Water Development Board for their review of all the environmental information. Ms. Troncoso stated they still anticipate getting the ESA clearance by the end of the year and be approved to start design by the beginning of January. Ms. Troncoso reported she has updated Mr. Ralph Padilla to keep the neighborhood informed.

No Action Necessary.

7. **CONSIDER AND TAKE ACTION ON MANAGEMENT REPORT RELATING TO MANAGEMENT AND OPERATIONAL ACTIVITIES OF THE DISTRICT.**

Mr. McGinnis presented and discussed the Water System Report for September 2021.

**See attached report.**

Mr. McGinnis also reported for the wastewater plant, they had the TCEQ inspection and had a few citations but have already been corrected. TCEQ has received all documentation they had requested, and the alleged violations should be cleared. Director Jarvis asked how this would be prevented in the future. Ms. Troncoso suggested they could keep a letter on site to show the inspector when they show up.

Director Hulsey made a motion to approve the Management Report relating to Management and Operational activities of the District to include collections and write offs. This was seconded by Director Barton.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

8. **CONSIDER AND TAKE ACTION ON THE ENGINEERING REPORT RELATING TO CONSTRUCTION AND ENGINEERING ACTIVITIES OF THE DISTRICT.**

Mrs. Linda Troncoso discussed and presented current service commitment applications and construction activity, then presented a summary of the Engineers Report.

**See attached report.**

Director Thomas made a motion to approve the Engineers Report and was seconded by Director Barton.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

9. **CONSIDER AND TAKE ACTION ON MANAGEMENT REPORT RELATING TO MANAGEMENT AND OPERATIONAL ACTIVITES OF SPRAYFIELD No. 1.**

Mr. Luis Delgadillo reported the month of September was a good month revenue wise. He stated that even though they did receive the seed on time they decided to keep the golf course open an extra week and it worked out well for the golfers. Mr. Delgadillo stated last year at the time of over seeding, temperatures were in the upper 90s close to 100 so the greens were so so, this year the temperatures cooled earlier so this over seed was one of the better ones. Mr. Delgadillo reported on the revenue side the golf course was \$26,000 ahead of budget. In the expenses they took a big hit because of the rye seed spending \$81,500 and were budgeted \$45,000 so they spent over \$46,000 than anticipated but in the long run for the year Mr. Delgadillo believes they may be able to recover a lot of the money. Overall for the year the golf course was \$81,000 ahead of budget.

Director Hulsey made a motion to approve the Management Report relating to Management and Operational activities of Spray Field No. 1. This was seconded by Director Barton.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

10. **CONSIDER AND TAKE ACTION ON, IF NECESSARY, RELATING TO THE LEASE WITH MOONLIGHT P&Q, LLC.**

Ms. Zepeda reported the month of September was better than the previous year and stated she was in negotiations to sell the LLC.

Director Hulsey made a motion to approve the management report relating to the LLC and was seconded by Director Thomas.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

11. **CONSIDER AND TAKE ACTION ON CLEARING PROPERTY ON SPRAY FIELD No. 1 AND REPLACING RAILROAD TIES.**

Item was scratched since it was already discussed.

No action necessary.

12. **CONSIDER AND TAKE ACTION IF NECESSARY, ON REQUEST BY DIG DEEP FOR COCHRAN PARK.**

No action necessary.

13. **CONSIDER AND TAKE ACTION ON REQUEST BY HCIA FOR SCHOOLS AND PARK PROPERTY REQUEST.**

No action necessary.

14. **CONSIDER AND TAKE ACTION ON PAY ESTIMATE NO. 3 FINAL FOR RANCHO DESIERTO BELLO UNIT 13 PHASE II WATER AND WASTEWATER IMPROVEMENTS.**

Ms. Troncoso reported this was the final pay application and is a defined area bond location and is recommending approval for acceptance for operation and maintenance at a future date.

Director Hulsey made a motion to approve the final pay estimate No.3 for Rancho Desierto Bello Unit 13 Phase II water and wastewater improvements and was seconded by Director Barton.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

15. **CONSIDER AND TAKE ACTION ON RECOMMENDATION OF ACCEPTANCE FOR OPERATIONS OF RANCHO DESIERTO BELLO UNIT 13 PHASE II WATER AND WASTEWATER IMPROVEMENTS.**

Director Hulsey made a motion to approve the recommendation of acceptance for operations and maintenance for Rancho Desierto Bello Unit 13 Phase II water and wastewater improvements and was seconded by Director Barton.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

16. **CONSIDER AND TAKE ACTION ON REPAIRS FOR PAVING AT 16000 ASHFORD PARKING LOT.**

Motion was made by Director Thomas and seconded by Director Hulseley to move item #16 up before item # 11.

Mr. Tom Urrabazo presented a proposal from DLC Construction Inc. for \$17,800 where contractor agreed to furnish all equipment, material, building plans, and specifications. As per Mr. Urrabazo he spoke with the contractor and stated there was a sinkhole in the front of the driveway that will be cleaned up, all the cracking, resealing, the grass growing from the asphalt between the concrete will be cleaned up and the restriping are all included on the quote as is the traffic control at no additional cost.

Director Hulseley made a motion to approve DLC Construction Inc. \$17,800 on repairs for paving at 16000 Ashford parking lot and was seconded by Director Barton.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

**17. CONSIDER AND TAKE ACTION ON EVALUATION OF I-10 WELL 5.**

Ms. Troncoso reported this item is an approval of the evaluation of Well 5 and if approved they expected the Board get a report on the evaluation in the following three to four days.

Director Hulseley made a motion to approve the evaluation of I-10 Well 5 in the amount of \$7,550 to Santa Rosa Well Service and was seconded by Director Barton.

All in favor: 4 ayes

Opposed: 0 none

Motion passed to approve.

18. **CONSIDER AND TAKE ACTION ON PAYMENT OF INVOICES FOR RO CONCENTRATE INJECTION WELL.**

Ms. Troncoso explained this submittal was for \$3,000. Thus far the whole project has paid \$223,713.10 and had budgeted \$700,000 and are still under budget.

Director Hulsey made a motion to approve the payment of invoices for RO Concentrate Injection Well and was seconded by Director Barton.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

19. **CONSIDER AND TAKE POSSIBLE ACTION REGARDING ORDER DECLARING SURPLUS PROPERTY AND AUTHORIZING SALE.**

Mr. Delgadillo explained the property is an old Jacobson mower that was kept after a new one had been purchased. Mr. Delgadillo stated this mower has not been used and has found someone willing to purchase it.

Director Barton made a motion to declare a Jacobson Greens King IV and small John Deere tractor surplus equipment and authorize the Turf Committee the sale, this was seconded by Director Hulsey.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.



20. **CONSIDER AND TAKE ACTION ON PURCHASE OF 6-INCH-HIGH HEAD MOBILE PUMP.**

Mr. Charlie McGinnis reached out for quotes for Dri-Prime pump with 6" trailer mounted that is similar to the one being used on Duanesburg. This pump is designed to be able to bypass pump if needed to at lift stations.

Director Hulsey made a motion to approve the quote from Wagner Rents in the amount of \$50,735 for a 6-inch-high head mobile pump and was seconded by Director Barton.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

21. **CONSIDER AND TAKE ACTION TO ENGAGE ARBITRAGE COMPLIANCE SPECIALISTS.**

Mr. Alan Petrov explained this item was basically an audit of use of bond funds required by the IRS every 5 years. The IRS requires this for every bond issue every 5 years.

Director Hulsey made a motion to engage Arbitrage Compliance Specialists to perform audit and reports necessary and was seconded by Director Barton.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

22. **CONSIDER AND TAKE ACTION ON AWARD OF CONTRACT FOR ELEVATED STORAGE TANK No. 5.**

Ms. Linda Troncoso reported they had opened bids 10/27/2021 and received three bids from Landmark Structures I LP, Phoenix Fabricators and Erectors LLC, and Caldwell Tanks Inc. The lowest bid was for Landmark Structures in the amount of \$5,160,000. The second was \$6.9 million and the third was for \$9.5 million. Ms. Troncoso is recommending award to Landmark Structures LP.

Director Hulsey made a motion and was seconded by Director Barton to award the contract for Elevated Storage Tank No. 5 to Landmark Structures I, LP.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

23. **CONSIDER AND TAKE ACTION ON PURCHASE OF SKID STEER FOR SPRAY FIELD No. 1.**

Mr. McGinnis presented a 2020 John Deere Skid Steer Loader he found for \$33,500 and after speaking with the company they dropped the price down to \$32,500.

Director Hulsey made a motion and was seconded by Director Barton to approve the purchase of a skid steer loader from 4 Rivers Equipment in the amount of \$32,500.

All in favor: 4 ayes  
Opposed: 0 none

Motion passed to approve.

24. **EXECUTIVE SESSION, AS NECESSARY.**

No items.

No Action Necessary.

25. **REPORTS AND DISCUSSION OF OTHER MATTERS THAT MAY COME BEFORE THE BOARD.**

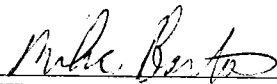
No items to report.

There being no further business before the Board, the meeting was upon motion made by Director Hulseley and seconded by Director Thomas all in favor and carried, adjourned at 7:50 p.m.

**READ, APPROVED AND ADOPTED THIS 18<sup>th</sup> DAY OF NOVEMBER 2021.**



**GORDON JARVIS, PRESIDENT**  
Board of Directors  
Horizon Regional M.U.D.



**MIKE BARTON, SECRETARY**  
Board of Directors  
Horizon Regional M.U.D.

CM/VS



**Horizon Regional MUD  
General Manager Reports for the month of  
September 2021  
Board Meeting Date: 10-28-2021**

Reviewed By: Carlos McGinnis  
Date: 10-28-2021



**Inframark LLC**  
 14100 Horizon Blvd, Horizon  
 City, TX 79928  
 United States  
[www.inframark.com](http://www.inframark.com)

**Current Items Requiring Board Approval**

Vendor	Amount	WO#	Budget Amount	Description

**Date: 09/23/2021**

**Memorandum for: Board of Director’s Horizon Regional MU**

**From:**

**Subject: General Manager’s Executive Summary Report**

Below is a summary of activities since the last board meeting:

**1) Wastewater Treatment Plant**

- a) Digesters have developed a few issues with rust, contractor has looked at.
- b) We are awaiting prices for emergency repairs
- c) We are waiting for parts to be delivered for Main Bar Screen.

**2) Distribution System – Billing**

- a) Replaced 100 residential meters
- b) Repaired 26 streets and 6 meter leaks
- c) Replaced ~~X~~ gate valve on or by Darrington.

5

**3) Collection System**

- a) Bain Construction is preparing to remove old A/C Lines for Biglon and Duanesbu
- b) Bain Construction is working on the new lift station for the Catholic church

**4) Ponds**

- a) Atomizers are running.
- b) E3 has installed the second set of atomizers and should be finishing this week.

**5) Construction**

- a) Smithco is working on Well 11
- b)

**6) Customer Care**

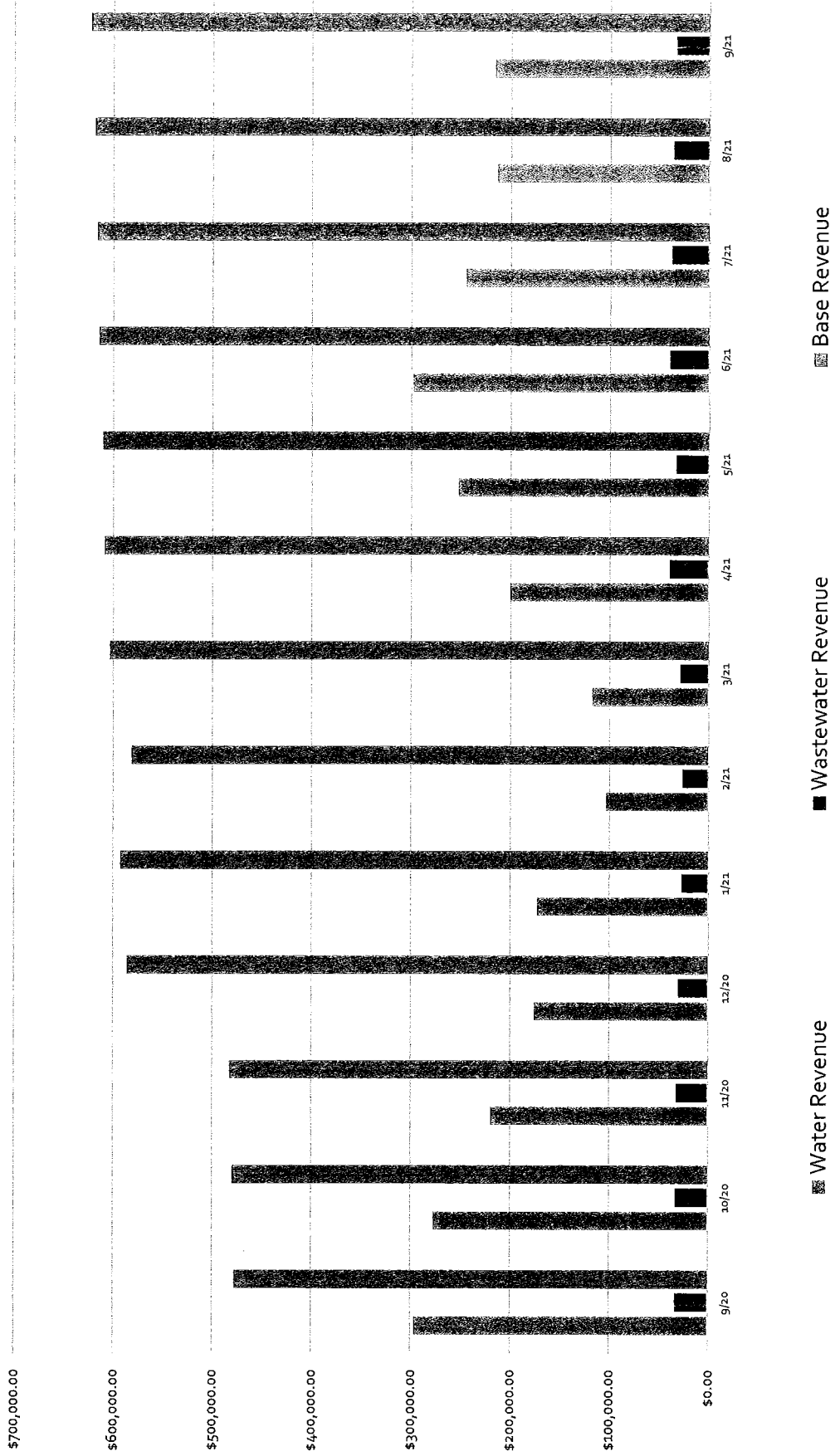
- a) Assisted 11 Customers with payment plans.
- b) 128 Disconnections were done in September



**Billing Summary**

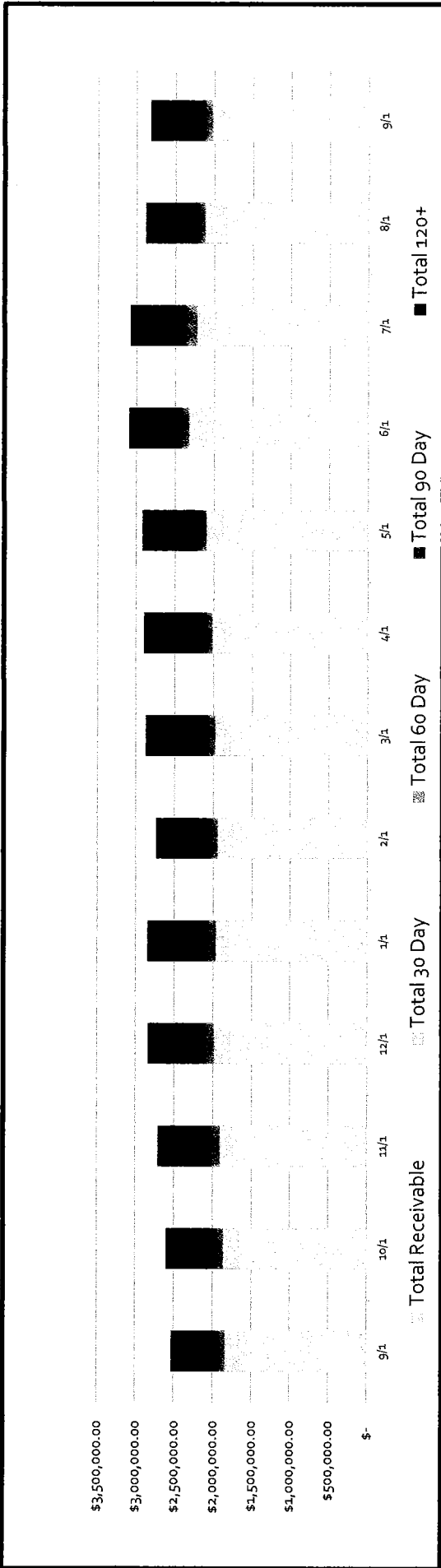
Description	Connections	
	Sep-20	Sep-21
Residential	11,285	11,917
Commercial	247	247
Irrigation	54	56
School	20	20
Municipal	16	16
Church	12	12
Bulk Meter	39	23
<b>Total Number of Accounts Billed</b>	<b>11,673</b>	<b>12,291</b>
	<b>Consumption</b>	
Residential	91,196,000	85,526,900
Commercial	7,412,500	8,253,000
Irrigation	3,854,300	3,477,300
School	1,107,100	1,402,800
Municipal	1,645,900	693,900
Church	273,400	387,800
Bulk Meter	2,923,000	1,509,000
<b>Total Gallons Consumed</b>	<b>108,412,200</b>	<b>101,250,700</b>
	<b>Average Consumption</b>	
Residential	8,081	7,177
Commercial	30,010	33,413
Irrigation	71,376	62,095
School	55,355	70,140
Municipal	102,869	43,369
Church	22,783	32,316.67
Bulk Meter	74,949	65,609
<b>Avg Water Use for Accounts Billed</b>	<b>9,287</b>	<b>8,238</b>
Total Billed	\$ 753,013	\$ 875,279
Total Aged Receivables	\$ 897,128	\$ 924,042
Total Receivables	\$ 1,650,141	\$ 1,799,321

# 12 Billing Month History Revenue by Category





# 12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 60 Day	Total 90 Day	Total 120+
Sep-20	\$ 1,640,863.30	\$ 191,779.18	\$ 82,668.00	\$ 42,641.43	\$ 575,925.87
Oct-20	\$ 1,650,141.76	\$ 203,947.29	\$ 98,325.44	\$ 49,350.25	\$ 599,167.07
Nov-20	\$ 1,729,935.25	\$ 175,058.62	\$ 106,151.43	\$ 69,194.84	\$ 629,952.91
Dec-20	\$ 1,770,411.56	\$ 207,832.94	\$ 108,237.68	\$ 71,753.10	\$ 681,133.00
Jan-21	\$ 1,786,862.11	\$ 172,835.92	\$ 101,402.21	\$ 60,325.89	\$ 726,213.52
Feb-21	\$ 1,722,490.80	\$ 214,525.76	\$ 82,699.56	\$ 53,867.48	\$ 665,301.95
Mar-21	\$ 1,766,831.02	\$ 207,653.81	\$ 91,445.80	\$ 55,281.36	\$ 751,717.92
Apr-21	\$ 1,838,972.28	\$ 171,883.21	\$ 75,000.39	\$ 49,451.85	\$ 759,714.51
May-21	\$ 1,873,653.31	\$ 221,893.33	\$ 72,858.73	\$ 33,999.47	\$ 717,874.28
Jun-21	\$ 1,987,359.25	\$ 333,419.13	\$ 84,947.49	\$ 25,810.47	\$ 667,246.17
Jul-21	\$ 1,954,940.89	\$ 261,632.63	\$ 147,880.14	\$ 45,113.02	\$ 668,494.70
Aug-21	\$ 1,830,971.29	\$ 284,363.90	\$ 67,383.97	\$ 35,218.35	\$ 665,609.02
Sep-21	\$ 1,799,321.15	\$ 219,560.23	\$ 91,062.29	\$ 32,337.27	\$ 678,542.81
Board Consideration to Write Off	\$149.80				
Board Consideration Collections	\$7,364.28				
Delinquent Letter Mailed	918				
Delinquent Tags Hung	N/A				
Disconnects for Non Payment	128				



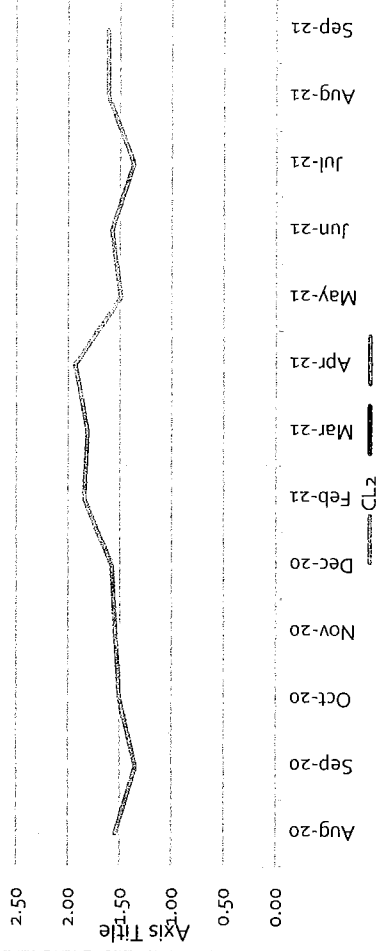
# Water Production and Quality

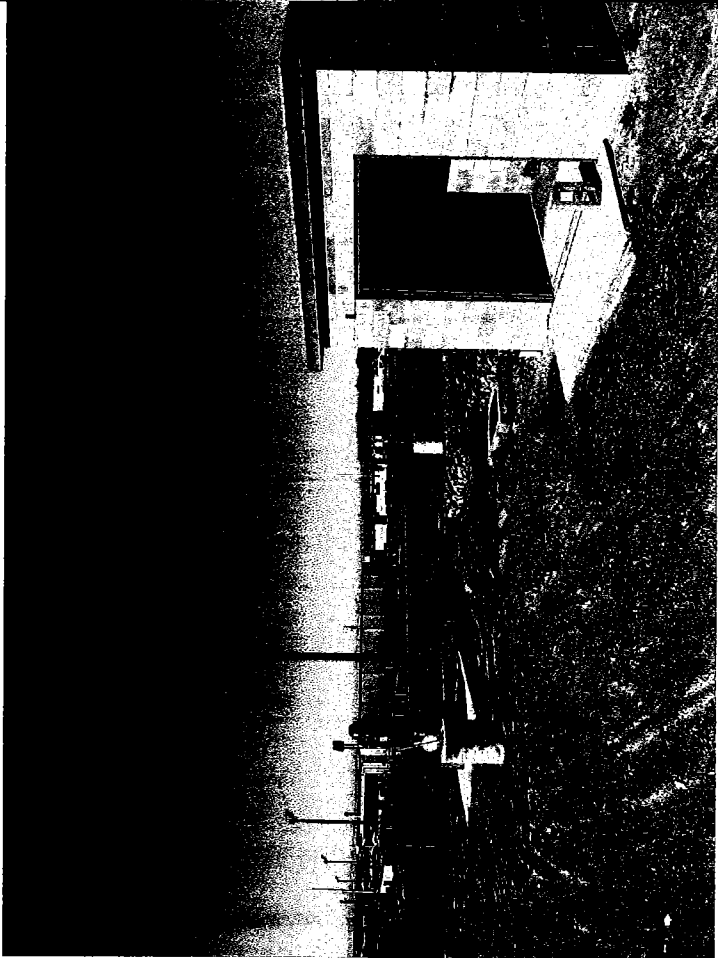
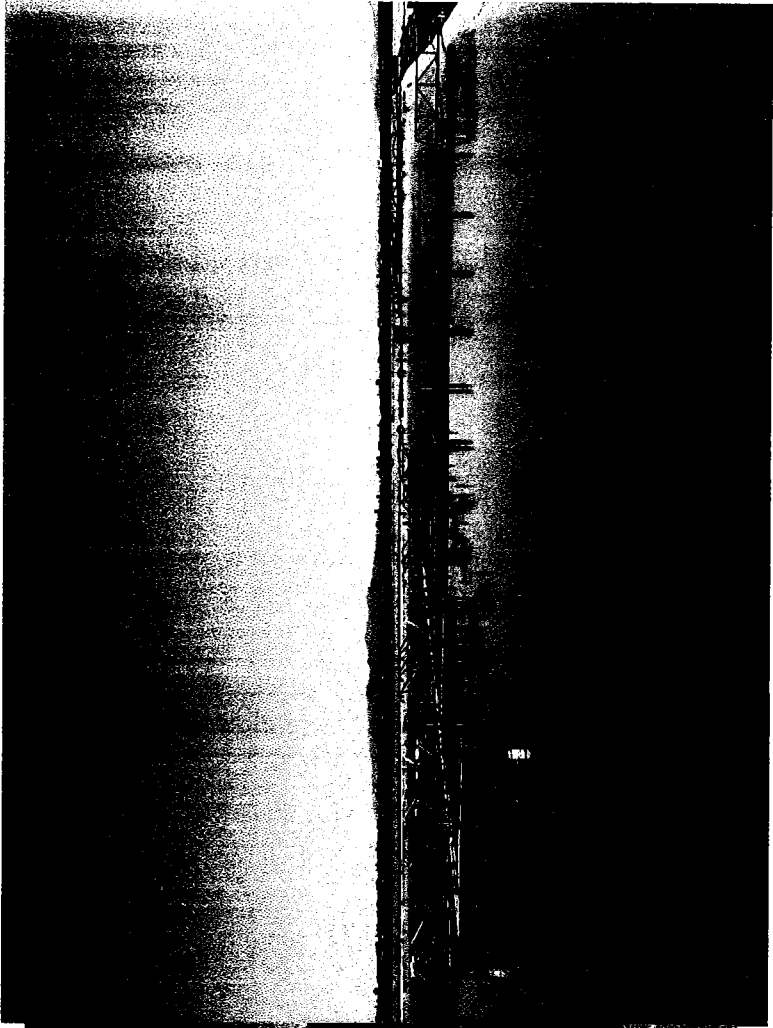
## Water Quality Monitoring

Current Annual CL2 Avg

Requirements	Date	CL2	Min .02
	Aug-20	1.54	
	Sep-20	1.35	
	Oct-20	1.50	
	Nov-20	1.54	
	Dec-20	1.58	
	Feb-21	1.84	
	Mar-21	1.81	
	Apr-21	1.93	
	May-21	1.49	
	Jun-21	1.58	
	Jul-21	1.37	
	Aug-21	1.61	
	Sep-21	1.61	

CL2 - Free





Pictures of Well 11 Progress and new Atomizer

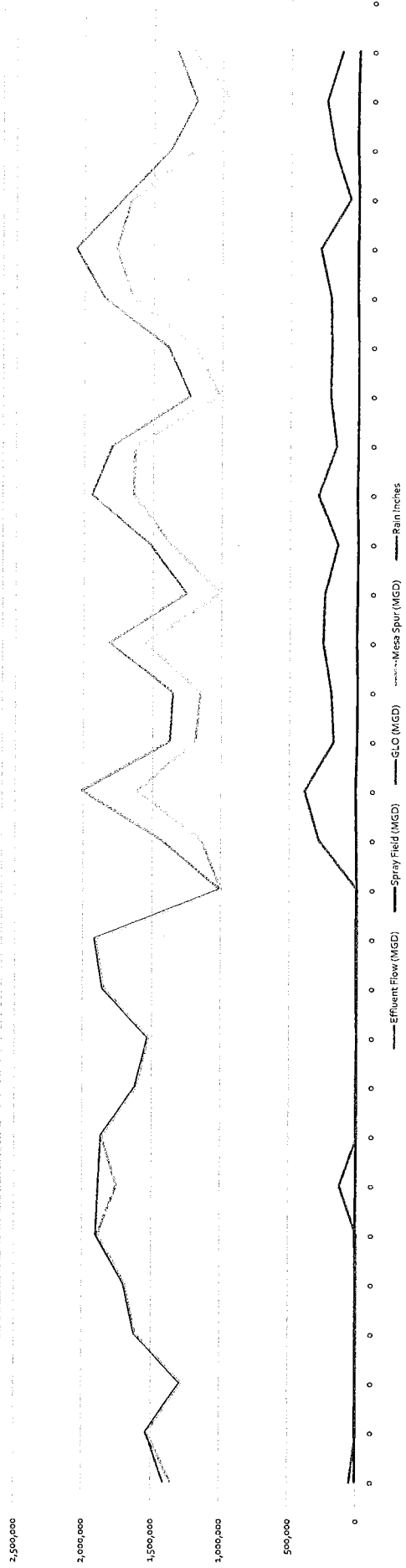
Month	Meeting Date	Connection Total	Pumped Water	Sold (1000)	Flushing/District	Gal.s Loss (-)	Water loss %
September 20	10/22/2020	11568	222,230	123,920	45,000	29,486	14.9%
October 20	11/19/2020	11644	192,769	120,141	55,210	25,130	12.4%
November 20	12/17/2020	11635	188,270	124,854	50,010	23,943	14.7%
December 20	1/28/2021	11723	173,568	94,483	35,000	18,393	13.3%
January 21	2/25/2021	11724	168,294	78,265	50,010	24,174	10.6%
February 21	3/25/2021	11825	162,714	70,544	45,050	20,283	14.4%
March 21	4/25/2021	11863	160,099	72,542	45,000	20,283	12.5%
April 21	5/27/2021	11958	198,067	102,131	35,000	15,598	9.7%
May 21	6/24/2021	11994	227,874	99,048	55,200	21,815	12.5%
June 21	7/22/2021	12065	150,880	133,333	10,000	35,315	15.5%
July 21	8/26/2021	12122	152,172	118,239	20,000	13,933	9.0%
August 21	9/23/2021	12233	163,518	105,556	40,000	17,962	11.0%
September 21	10/28/2021	12291	139,733	101,250	25,000	13,483	9.6%



# Wastewater Production and Quality



## Wastewater Flows for the Month of September 2021



**Wastewater Treatment Permit Summary - Month of September 2021**

	DISCHARGE	EFF.	ACTUAL	COMPLIANT	PERCENT
Avg. Treated Flow	MGD	3	1.591	Yes	53.0%
Avg. Sprayfield Flow	MGD	3	0.006	Yes	0.2%
Avg. GLO Flow	MGD	3	0.128	Yes	4.3%
Avg. Mesa Spur Flow	MGD	3	1.456	Yes	48.5%
Avg. Other Flow			0.001	N/A	
Avg. cBOD	mg/L	10	4.0	Yes	
Avg. TSS	mg/L	15	7.2	Yes	
Avg. Ammonia Nitrogen NH <sub>3</sub>	mg/L	3	0.84	Yes	
Avg DO	mg/L	7/77	0.2	Yes	
E. coli Bacteria	CFU	126	10.9	Yes	
MIN. PH	STD UNITS	6.0	6.33	Yes	
MAX. PH	STD UNITS	9.0	7.10	Yes	

only applies if discharge

# Inframark

Leak Report      Sep-21

Address	Date	Street	Meter	Repaired	Comments
14701 Desert Breeze	9/1/2021	X		YES	New copper line
417 Cactus Crossing	9/1/2021	X		YES	New copper line
14245 Desert Sky	9/2/2021	X		YES	New copper line
14420 Schoenfielder	9/2/2021	X		YES	New copper line
719 Desert Silver	9/3/2021	X		YES	New copper line
14340 Desert Point	9/3/2021	X		YES	New copper line
14729 Dust Devil	9/7/2021	X		YES	New copper line
328 Sunset Hills	9/7/2021	X		YES	New copper line
13460 Sunset Hills	9/9/2021	X		YES	New copper line
291 Homedale	9/9/2021		X	YES	PVC Line
13728 Paseo de Mar	9/10/2021	X		YES	New copper line
15340 North Port	9/10/2021	X		YES	New copper line
14287 Desert Point	9/13/2021	X		YES	New copper line
653 Paseo del Mar	9/16/2021	X		YES	New copper line
1685 Coronel	9/16/2021		X	YES	PVC Line
14020 Desert Song	9/16/2021	X		YES	New copper line
609 Cascada	9/17/2021	X		YES	New copper line
501 Agua Mineral	9/17/2021		X	YES	PVC Line
14732 Cactus Crossing	9/20/2021	X		YES	New copper line
317 Desert Bush	9/20/2021	X		YES	New copper line
14332 Sabio	9/20/2021	X		YES	New copper line
405 Cutler	9/22/2021	X		YES	New copper line
509 Christian	9/22/2021	X		YES	New copper line
14536 Achim	9/28/2021		X	YES	PVC Line
13538 Inspiration	9/28/2021		X	YES	PVC Line
13539 Inspiration	9/28/2021		X	YES	PVC Line

Street leaks	20
Meter leaks	6
<b>Total Repairs</b>	<b>26</b>

**Date: October 21, 2021**

**Re: Operations Report for September 21, 2021**

**Lift Stations**

Biglone Lift Station	Fully operational
Barrel Cactus Lift Station	Fully operational.
Benton Lift Station	Fully operational
Biglon Lift Station	Fully operational
Duanesburg Lift Station	Running on skid pump
Ellsworth Lift Station	Fully operational
El Paso Hills Lift Station	Fully operational.
El Paso Hills Relay Station	Fully operational
El Paso Hills Lift Station #	Fully operational
Horizon Lift Station	Fully operational
Kenazo Lift Station	Fully operational
Notre Dame List Station	Fully operational
Manor 9 Lift Station	Fully operational
Section 32 Lift Station	Fully operational
Veny Webb Lift Station	Fully operational
Woodale Lift Station	Fully operational
Glo Lift Station	Fully operational

Biglon and Duansburg are both on new force main.

**Tanks.**

<u>GST 1</u>	Online as reserve storage for the distribution system.
<u>GST 2</u>	Online with the distribution system.
<u>GST 3</u>	Online with the distribution system.
<u>GST 4</u>	Online with the distribution system.
<u>GST 5</u>	Online with the distribution system.
<u>RWT #1</u>	Online and feeding the RO plant.
<u>EST 1</u>	Online with the distribution system.
<u>EST 2</u>	Online with the distribution system.
<u>EST 3</u>	Online with the distribution system.
<u>EST 4</u>	Online with the distribution system.

**Wastewater Treatment Plant**

- 5 blowers are up and running
- GLO- Pump under repair.
- Belt Press under repair hydraulic cylinder
- Bar Screen up and running
- Hauled out 14 loads of sludge.
- TCEQ INVESTIGATION see attached findings.



**Wells** – Going to pull well 5-8 end of the month to video. Pumping sand

**Pump Stations**

Pump Station 3  
Operational

Raw Water Station Operational

Pump Station 4  
Operational.

**RO Plant**

All RO Trains are up and running. Concentrators B is down replacing VFD

RO Ponds.

RO Ponds full very little leeway.

Atomizers up and running but at times will trip.

David Munoz - Inframark



Engineering Solutions

**MEMORANDUM**

**Via E-Mail**

**TO:** Horizon Regional Municipal Utility District  
Board of Directors

**FROM:** Linda Troncoso, P.E.

**DATE:** October 28, 2021

**SUBJECT:** October 28 2021 Board Meeting  
Engineer's Report  
TRE Job No.: 1277-7388-54

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The following is a brief summary of the major activities that TRE & Associates, LLC. (TRE) has been involved in since the District's last regular Board meeting.

**Service Commitments Currently Under Review**

See attached summary.

**Plans Under Review**

See attached summary.

**Projects Under Construction**

See attached summary.

**Horizon City Roadway Projects**

TRE is continuing to coordinate with the Town of Horizon on future roadway widening and rehabilitation projects. Regular meetings are now being held to discuss upcoming projects including the potential TIRZ and the improvements on both Darrington and Pawling/Oxbow. Inframark replaced 5 valves at Darrington intersections last week in coordination with the City's Darrington resurfacing project.

**County Roadway Projects**

Coordination with the County and the Camino Real Regional Mobility Authority is ongoing for upcoming projects.

**Elevated Storage Tanks and Water Model Update**

Bids were received for this project on Wednesday, October 27<sup>th</sup> and the recommendation of award on the agenda at this meeting.

### **Two Water Wells for RO Supply**

The pumps have been set in Well Nos. 10 and 11. EPE is currently awaiting the re-approval of the TxDOT permit to begin power installation. Well No. 10 start up occurred two weeks ago and minor modifications are being made at the site now. Pay Estimate No. 9 is on the agenda for approval at this meeting.

### **4.2 MGD RO Plant Expansion and Permit Amendment**

The design survey is complete and the components for the new RO plant will be designed in conjunction with the evaluation for RO concentrate disposal. The General Permit for the RO Plant is approved.

### **RO Concentrate Disposal Management**

Pumping and testing of the injection pilot well is complete. TRE is still awaiting the final permitting parameter list from the TCEQ. The modeler of the PSB's injection well has joined the team to prepare the plume modeling as part of the submittal package which is still targeted to be submitted for permit approval by the end of the year.

The second E3 system including the sine filters and new motors for the existing system have been installed. The electrical improvements have been completed and the start-up is scheduled for Friday, October 29.

### **Wastewater Treatment Plant Expansion Design and Major Permit Amendment**

TRE has initiated the design and is working with Inframark regarding specification, design, and integration of necessary components. The design survey is complete. The new wastewater treatment plant permit was issued on September 3, 2020. TRE is currently evaluating the cost benefits of the two WWTP location alternatives for review by the BOD at a future workshop.

### **Wheeler Well No. 8 Rehabilitation**

Well Nos. 5 and 8 were pulled this week and a video log was received on Thursday, October 28, 2021. Santa Rosa will be preparing a report with recommendations for rehabilitation within the next week and will assist in the solicitation of pricing.

### **Duanesburg Force Main Emergency Repair**

Bain Construction has completed the repaving and is beginning the demolition and disposal of the existing AC force main in Horizon Boulevard. Pay Estimate No.6 is on the agenda for approval at this meeting.

**Duanesburg Lift Station Rehabilitation**

TRE has completed the design survey and is evaluating the cost difference between a package lift station replacement and rehabilitation of the existing lift station. Pay Estimate No. 6 is on the agenda for the BOD meeting.

**Wastewater Treatment Plant Digester Emergency Repair**

Inframark has placed the digester back online. TRE is completing the plans and specifications to bid the repair of the digesters. The project is scheduled to be advertised on November 7, 2021.

Linda Troncoso will be at the October BOD meeting to address any questions or comments you may have regarding these and any other items.

Attachment

cc: Mr. Charlie McGinnis, General Manager; HRMUD  
Mr. John M. Jansing, Jr., P.E.; TRE & Associates, LLC  
Mr. Adrian H. Rosas, P.E.; TRE & Associates, LLC

**TRE & ASSOCIATES, LLC (revised 10/21/21)**  
**COMMITMENT APPLICATIONS**

<b>Job #</b>	<b>Job Title</b>	<b>Date Received</b>	<b>Additional Info Request</b>	<b>Commitment Letter Released</b>	<b>Committed LUE's WW</b>	<b>Committed LUE's Wtr</b>	<b>Comments</b>
1277-12051	Richard Zelt - 9 lots	8/24/2021		9/30/2021		9	approved
1277-12099	Horizon City Unit 91 - 6 lots	7/20/2021			0	6	approved
1277-12120	Darrington Eastlake Commerical Unit Four	10/11/2021					under review
	Jack in the Box - 13640 Horizon Blvd	9/30/2021					under review
	Jack in the Box - 13640 Horizon Blvd	10/14/2021					under review

**TRE & ASSOCIATES, LLC (revised 10/21/21)**  
**HR - CONSTRUCTION REVIEW**

Job #	Job Title	Commitment Letter Released	Plans Received	Plan Comments Sent	Plan Approval	Comments
1277-11727	Horizon City Unit 64- 5 lots	5/23/2019				awaiting plan submittal
1277-11838	Horizon City Unit 91 - 22 lots	1/17/2020	12/16/2019	2/14/2020- 1st set 7/24/20 - 2nd set		awaiting revised plans
1277-11850	13300 Horizon Boulevard	2/20/2020	4/30/2020	6/3/2020		awaiting revised plans
1277-12011	Horizon Mesa Self Storage	2/17/2021	2/15/2021			under review
1277-12020	Corcoran Park Restroom	4/6/2021	3/11/2021	4/6/21 - 1st set 4/23/21 - 2nd set 8/5/21 - 3rd set	10/20/2021	awaiting revised plans
1277-12036	283 South Darrington	5/25/2021	5/17/2021	6/8/2021		awaiting revised plans
1277-12059	HC Unit 91 Blk 791-792	6/9/2021	4/15/2021 6/29/21 2nd set	6/11/2021- 1st set 7/9/21- 2nd set 8/5/21 - 3rd set		awaiting revised plans
1277-12051	Polar Services Center	7/19/2021	7/19/2021			under review
1277-12079	Daddy O's Carwash	7/26/2021	7/19/2021			under review
1277-11852	Painted Desert at Mission Ridge Unit 4	7/19/2021	7/9/2021	7/29/2021		awaiting revised plans
1277-12036	283 S Darrington	6/9/2021	5/17/2021	6/8/2021		awaiting revised plans

**TRE & ASSOCIATES, LLC (revised 10/21/21)**  
**CONSTRUCTION OBSERVATION**

<b>Job #</b>	<b>Job Title</b>	<b>Plan Approval</b>	<b>Construction Start Date</b>	<b>Comments</b>
1277-11896	Rancho Desierto Bello Unit 13 Phase II	4/22/2020	2/16/2021	awaiting acceptance
1277-11903	Summer Sky Unit 2	9/16/2020	6/28/2021	under construction
1277-11864	West Eastlake Estates Unit Two	3/5/2020	3/21/2021	under construction

**TRE & ASSOCIATES, LLC (revised 10/21/21)**  
**HR - APPROVED UTILITY SERVICE COMMITMENTS**

Job #	Job Title	Commitment Letter Released	Committed LUE's WW	Committed LUE's Wtr	Plan Approval	Comments
1277-11727	Horizon City Unit 64- 5 lots	5/2/2019	5	5		awaiting plan submittal
1277-11838	Horizon City Unit 91 - 22 lots	1/17/2020	0	22		awaiting revised plans
1277-11850	13300 Horizon Boulevard	2/20/2020	64	64		awaiting revised plans
1277-11864	West Eastlake Estates Unit Two	2/24/2020	118	118	3/5/2020	under construction
1277-11896	Rancho Desierto Bello Unit 13 Phase II	5/20/2020	82	82	4/22/2020	awaiting accept
1277-11903	Summer Sky Phase 2	5/20/2020	215	215	9/16/2020	under construction
1277-12011	Horizon Mesa Self Storage	2/17/2020	3	3		under review
1277-12020	Corcoran Park Restroom	3/5/2021	1	1		approved
1277-12032	280 S. Darrington	5/22/2021	1	1		awaiting revised plans
1277-12051	Polar Services Center	7/19/2021	5	5		
1277-12079	Daddy O's Carwash	7/26/2021	32	32		
1277-11852	Painted Desert at Mission Ridge Unit 4	7/19/2021	276	276		
1277-12059	HC Unit 91 Blk 791-792	6/9/2021	0	11		awaiting revised plans

**TOTAL OUTSTANDING COMMITMENTS**

802

835