



**Senna Hills Municipal Utility District**

14050 Summit Drive Suite 113A

Austin, Texas 78728

512-844-1041



**INFRAMARK**

WATER & INFRASTRUCTURE SERVICES



Senna Hills Municipal Utility District  
General Managers Report for the Month of  
July 2020

**Board Meeting: August 28th, 2020**

Reviewed By: Jesse L Kennis

Date: 8/21/2020



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United States

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[www.inframark.com](http://www.inframark.com)

**Memorandum for: Senna Hills MUD Board of Directors**

**From: Jesse L. Kennis II**

**Date: August 28, 2020**

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

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

**1) Wastewater Treatment Plant**

- a) 2.42 MG for the month. 78,000 GPD average, 78% capacity.
- b) No excursions.
- c) The sludge box meter has been ordered and should be received in four weeks.
- d) The electric sub meter was installed on August 21, 2020.

**2) Re-Use Water System**

- a) Pio's submitted a change order for the spray field project.

**3) Distribution System – Billing**

- a) 8.7 MG purchased for the month.
- b) 11% water loss for July 2020.
- c) Chlorine residuals and bacteriological samples satisfactory.
- d) 12 delinquent letters mailed out, 0 tags hung, no disconnects.
- e) Leak adjustment request for 1320 Milagro.
- f) 19 new meters replaced as of August 21, 2020.

**4) Collection System**

- a) Lift station 1 pump controls replaced.
- b) Auto Dialer install at Lift Station 1 90% complete, Lemon Mint Lift Station 100% complete, and WWTP 50% complete.
- c) Lift Station # 3 lift pump #1 failed, spare pump installed. Ned to purchase new spare pump for \$8,337.96 plus freight.

**5) Drainage/Ponds/MS4**

- d) Detention Pond inspection conducted July 20, 2020.

**Current Items Requiring Board Approval:**

Vendor	Amount	WO#	Budget Amount	Description
Hamilton Electric	\$8,337.96 plus freight		YTD \$22k Over budget in LS repairs.	Lift Station 3 Spare pump replacement

**Top Choice Lawn Care**  
 9714 Circle Drive  
 Austin, TX 78736  
 512-291-7050



**PAID**

Peter Feldman  
 1320 Milagro Drive  
 Austin, TX 78733

**PO #**  
**Invoice #** 148898  
**Invoice Date** 8/12/2020

**Amount Due** **\$0.00**

Email: [service@topchoiceaustin.com](mailto:service@topchoiceaustin.com)  
 Website: <http://www.topchoiceaustin.com>

Date	Description	Total
8/12/2020	One-time hourly irrigation maintenance or repair by a licensed irrigation professional. We made the requested repair. Repaired broken male adapter on discharge side of back flow valve. Also, replaced zone 3 valve that was stuck open. If requested, we also adjusted sprays for better coverage, and unclogged nozzles where needed. Parts are guaranteed for 90 days.	170.98
8/12/2020	Small-length Pipe Repair	25.00
8/12/2020	King Innovation Blue Wire Splice	5.92
8/12/2020	Hunter 1" Valve PGV100GS	57.98

<b>Terms</b> Due on receipt	<b>Subtotal</b>	259.88
<b>For</b> 1320 Milagro Drive, Austin TX 78733	<b>Sales Tax</b>	21.44
	<b>Total</b>	281.32
	<b>Amount Due</b>	<b>\$0.00</b>

**IT'S TIME TO TRIM OAK TREES!!**

It's hot! This is the best time of the year to trim Oak trees (to avoid Oak Wilt).

**SPRINKLER SYSTEM NEED A TUNE-UP?**

You'd be surprised how much a few minor tweaks can fix dead spots and save water - and ultimately \$\$\$ . Ask us to send an irrigator for an evaluation.

**To View Your Invoice Online**

Go to <https://topchoiceaustin.manageandpaymyaccount.com/pay.aspx> and enter the code "F920C-B4087-A743B".

<b>Client Name</b>	Peter Feldman
<b>For</b>	1320 Milagro Drive, Austin TX 78733
<b>Invoice #</b>	148898
<b>Invoice Date</b>	8/12/2020
<b>Amount Due</b>	\$0.00
<b>Amount Enclosed</b>	

**PAYMENT STUB**

Top Choice Lawn Care  
 9714 Circle Drive  
 Austin, TX 78736

License Number LI21953  
 Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ) (MC-178)  
 TCEQ • PO Box 13087 • Austin, TX 78711-3087  
 TCEQ's website is: [www.tceq.state.tx.us](http://www.tceq.state.tx.us)

SENNA HILLS WATER USAGE CALCULATOR			
ADDRESS:	1320 Milagro		
LEAK MONTH:	4/16-5/15	USAGE	120k
0-20,000	\$5.00	20	\$100.00
20,001-30,000	\$7.00	10	\$70.00
30,001-45,000	\$9.00	15	\$135.00
45,001-60,000	\$10.00	15	\$150.00
60,001-75,000	\$12.00	15	\$180.00
75,001-90,000	\$14.00	15	\$210.00
90,001-105,000	\$16.00	15	\$240.00
105,001 - 135,000	\$18.00	15	\$270.00
135,001 & above	\$20.00		\$0.00
<b>Total water charges</b>			<b>1,355.00</b>

SENNA HILLS WATER USAGE CALCULATOR			
ADDRESS:	1320 Milagro		
LEAK MONTH:	5/15-6/15	USAGE	172k
0-20,000	\$5.00	20	\$100.00
20,001-30,000	\$7.00	10	\$70.00
30,001-45,000	\$9.00	15	\$135.00
45,001-60,000	\$10.00	15	\$150.00
60,001-75,000	\$12.00	15	\$180.00
75,001-90,000	\$14.00	15	\$210.00
90,001-105,000	\$16.00	15	\$240.00
105,001 - 135,000	\$18.00	30	\$540.00
135,001 & above	\$20.00	37	\$740.00
<b>Total water charges</b>			<b>2,365.00</b>

SENNA HILLS WATER USAGE CALCULATOR			
ADDRESS:	1320 Milagro		
LEAK MONTH:	6/15-7/15	USAGE	96k
0-20,000	\$5.00	20	\$100.00
20,001-30,000	\$7.00	10	\$70.00
30,001-45,000	\$9.00	15	\$135.00
45,001-60,000	\$10.00	15	\$150.00
60,001-75,000	\$12.00	15	\$180.00
75,001-90,000	\$14.00	15	\$210.00
90,001-105,000	\$16.00	6	\$96.00
105,001 - 135,000	\$18.00	0	\$0.00
135,001 & above	\$20.00	0	\$0.00
<b>Total water charges</b>			<b>941.00</b>

AVERAGE USAGE 15k

ADJUSTED WATER			
0-20,000	\$5.00	15	\$75.00
20,001-30,000	\$7.00		\$0.00
30,001-45,000	\$9.00		\$0.00
45,001-60,000	\$10.00		\$0.00
60,001-75,000	\$12.00		\$0.00
75,001-90,000	\$14.00		\$0.00
90,001-105,000	\$16.00		\$0.00
105,001 - 135,000	\$18.00		\$0.00
135,001 & above	\$20.00		\$0.00
LEAK USAGE	\$5.00	105	\$525.00
<b>Total water charges</b>			<b>600.00</b>

**755.00**

ADJUSTED WATER			
0-20,000	\$5.00	15	\$75.00
20,001-30,000	\$7.00		\$0.00
30,001-45,000	\$9.00		\$0.00
45,001-60,000	\$10.00		\$0.00
60,001-75,000	\$12.00		\$0.00
75,001-90,000	\$14.00		\$0.00
90,001-105,000	\$16.00		\$0.00
105,001 - 135,000	\$18.00		\$0.00
135,001 & above	\$20.00		\$0.00
LEAK USAGE	\$5.00	157	\$785.00
<b>Total water charges</b>			<b>860.00</b>

**1,505.00**

ADJUSTED WATER			
0-20,000	\$5.00	15	\$75.00
20,001-30,000	\$7.00		\$0.00
30,001-45,000	\$9.00		\$0.00
45,001-60,000	\$10.00		\$0.00
60,001-75,000	\$12.00		\$0.00
75,001-90,000	\$14.00		\$0.00
90,001-105,000	\$16.00		\$0.00
105,001 - 135,000	\$18.00		\$0.00
135,001 & above	\$20.00		\$0.00
LEAK USAGE	\$5.00	81	\$405.00
<b>Total water charges</b>			<b>480.00</b>

**461.00**

**TOTAL ADJUSTED CREDIT: \$2,721.00**

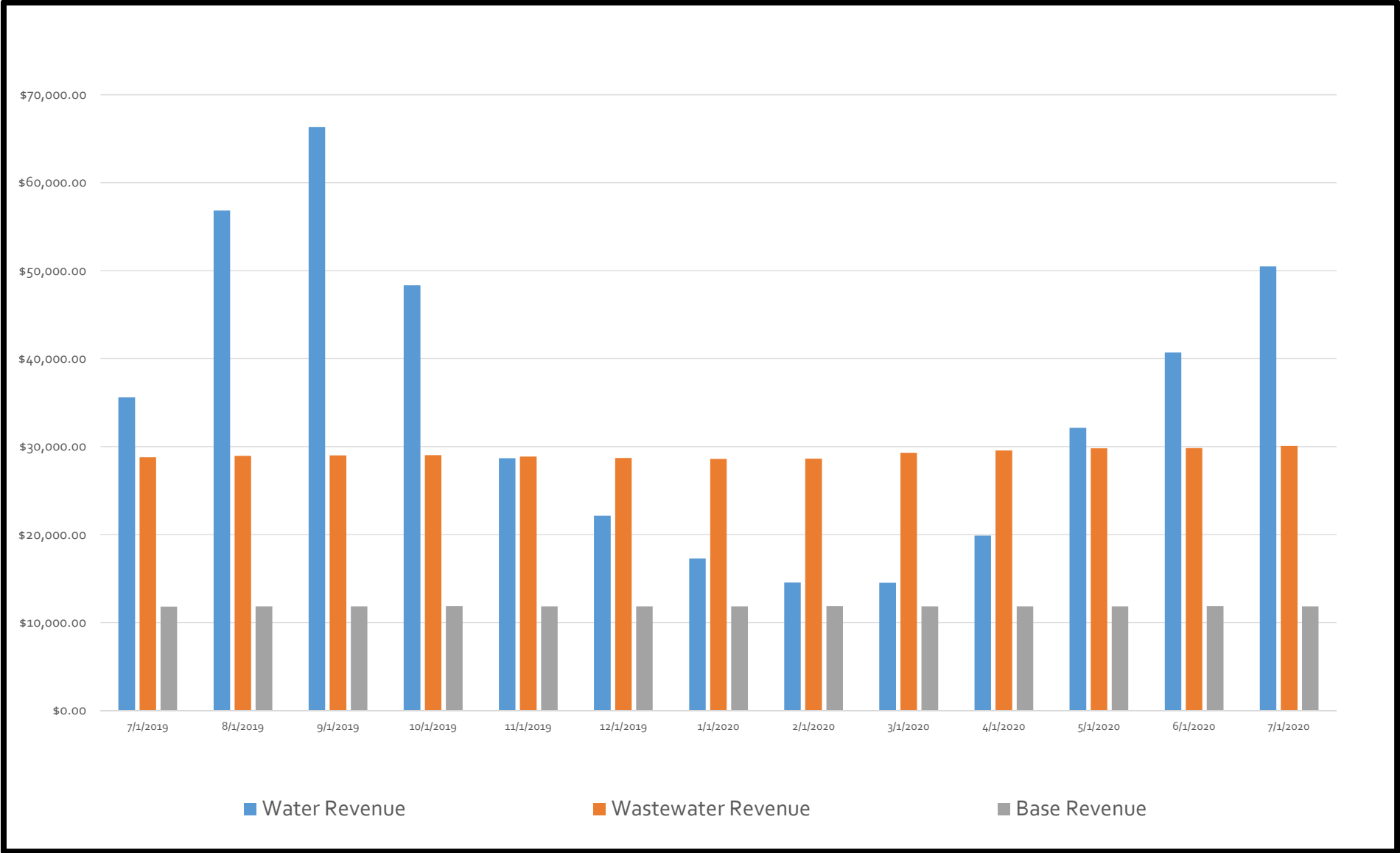


## Billing Summary

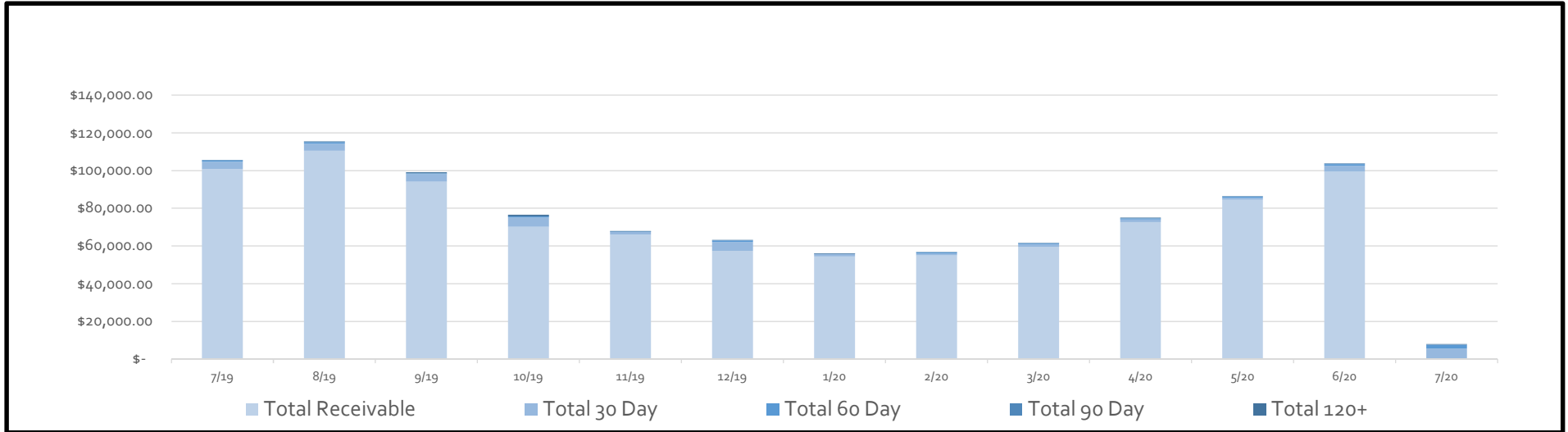


Description	Connections	
	Jul-19	Jul-20
Residential	405	405
Hydrant	-	-
Tracking	6	5
No Bill	1	1
<b>Total Number of Accounts Billed</b>	<b>412</b>	<b>411</b>
	Consumption	
Residential	6,328,000	8,462,000
Hydrant	-	-
Tracking Amenity Center	124,000	68,000
<b>Total Gallons Consumed</b>	<b>6,452,000</b>	<b>8,530,000</b>
	Average Consumption	
Residential	7,170	20,894
Hydrant	-	-
Tracking	833	13,600
<b>Avg Water Use for Accounts Billed</b>	<b>15,660</b>	<b>20,754</b>
Total Billed	\$ 79,491	\$ 99,383
Total Aged Receivables	\$ (282)	\$ (2,963)
Total Receivables	\$ 79,209	\$ 96,420

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+
7/19	\$ 79,209.09	\$ 3,969.36	\$ 647.63	\$ 217.09	\$ -
8/19	\$ 100,749.32	\$ 3,799.09	\$ 750.79	\$ 377.52	\$ 41.45
9/19	\$ 110,487.02	\$ 3,994.15	\$ 259.74	\$ 371.21	\$ 402.30
10/19	\$ 94,134.32	\$ 5,004.29	\$ 566.33	\$ 0.53	\$ 773.51
11/19	\$ 70,198.78	\$ 1,460.70	\$ 115.47	\$ 165.61	\$ 66.41
12/19	\$ 66,018.39	\$ 4,610.37	\$ 886.26	\$ 90.69	\$ 232.02
1/20	\$ 57,424.55	\$ 1,149.87	\$ 196.70	\$ 10.58	\$ 244.22
2/20	\$ 54,484.68	\$ 1,101.79	\$ 394.88	\$ 31.21	\$ 66.41
3/20	\$ 54,969.25	\$ 1,363.85	\$ 455.55	\$ 125.46	\$ 87.04
4/20	\$ 59,559.19	\$ 1,510.86	\$ 479.77	\$ 161.02	\$ 206.41
5/20	\$ 72,614.06	\$ 1,022.58	\$ 666.13	\$ 149.52	\$ 66.41
6/20	\$ 84,434.56	\$ 3,263.99	\$ 739.08	\$ 284.50	\$ 215.93
7/20	\$ 99,382.73	\$ 5,564.86	\$ 1,967.41	\$ 225.05	\$ 206.41

Board Consideration to Write Off	\$0.00
Board Consideration Collections	\$0.00
Delinquent Letter Mailed	12
Delinquent Tags Hung	N/A
Disconnects for Non Payment	N/A



## Water Production and Quality



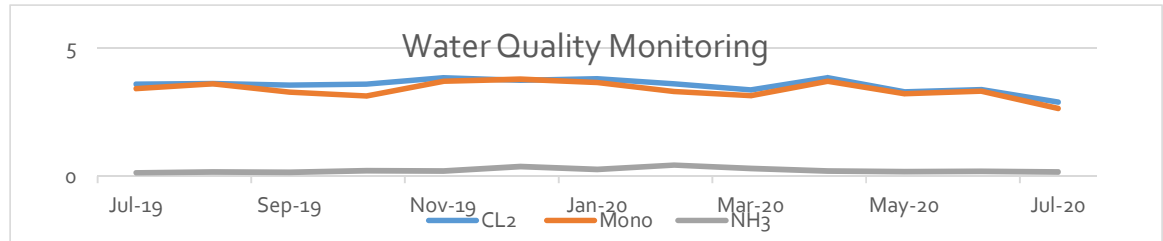
**Senna Hills Municipal Utility District**  
 14050 Summit Drive Suite 113A  
 Austin, Texas 78728  
 512-844-1041

## Water Quality Monitoring

Current Annual CL2 Avg 3.54

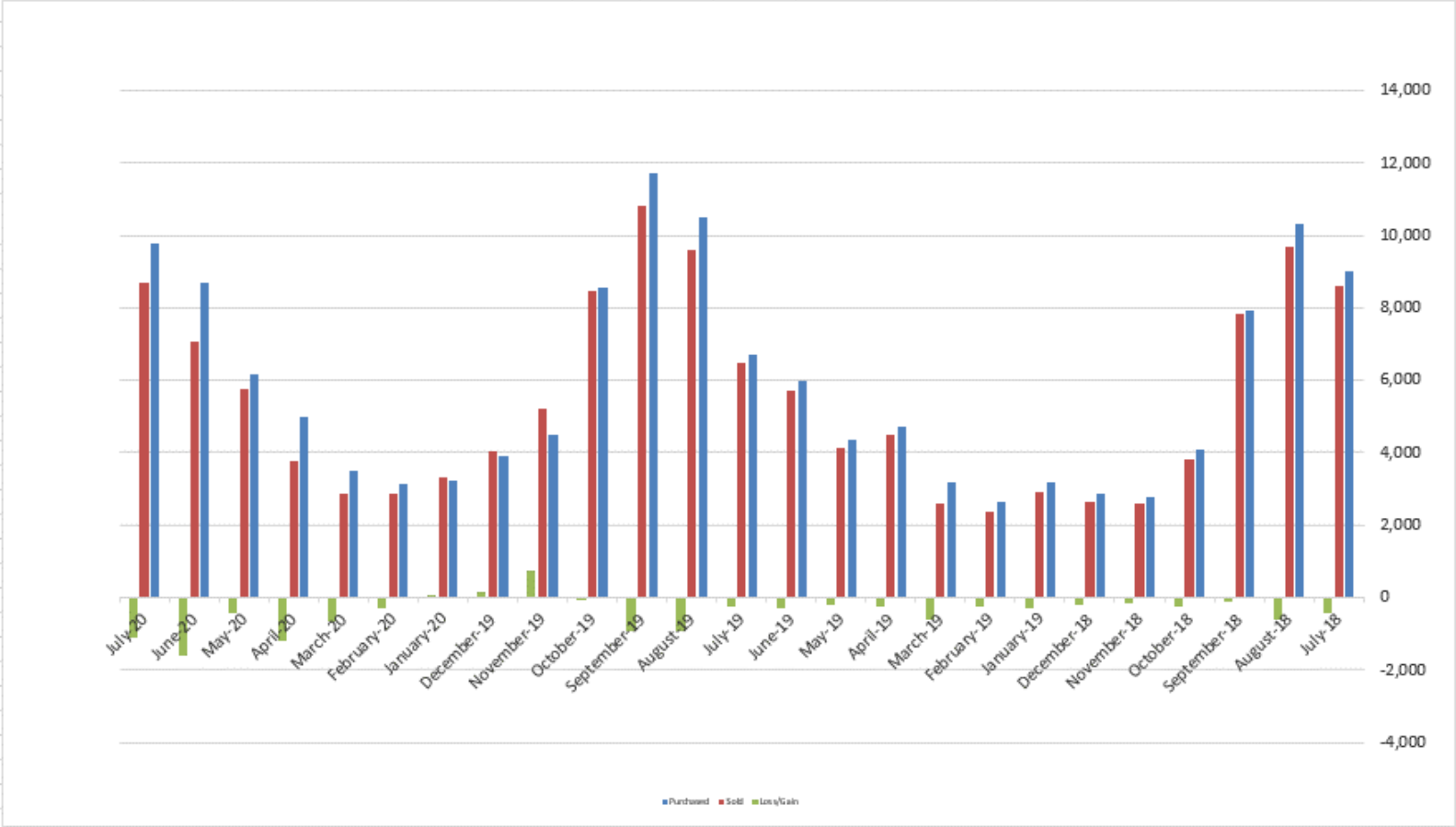
Requirements Min .50

Date	CL2	Mono	NH3
Jul-19	3.59	3.41	0.13
Aug-19	3.61	3.6	0.16
Sep-19	3.55	3.27	0.15
Oct-19	3.59	3.12	0.22
Nov-19	3.84	3.69	0.20
Dec-19	3.73	3.78	0.38
Jan-20	3.8	3.65	0.27
Feb-20	3.6	3.3	0.43
Mar-20	3.36	3.13	0.30
Apr-20	3.84	3.69	0.20
May-20	3.28	3.21	0.18
Jun-20	3.37	3.31	0.19
Jul-20	2.89	2.64	0.16



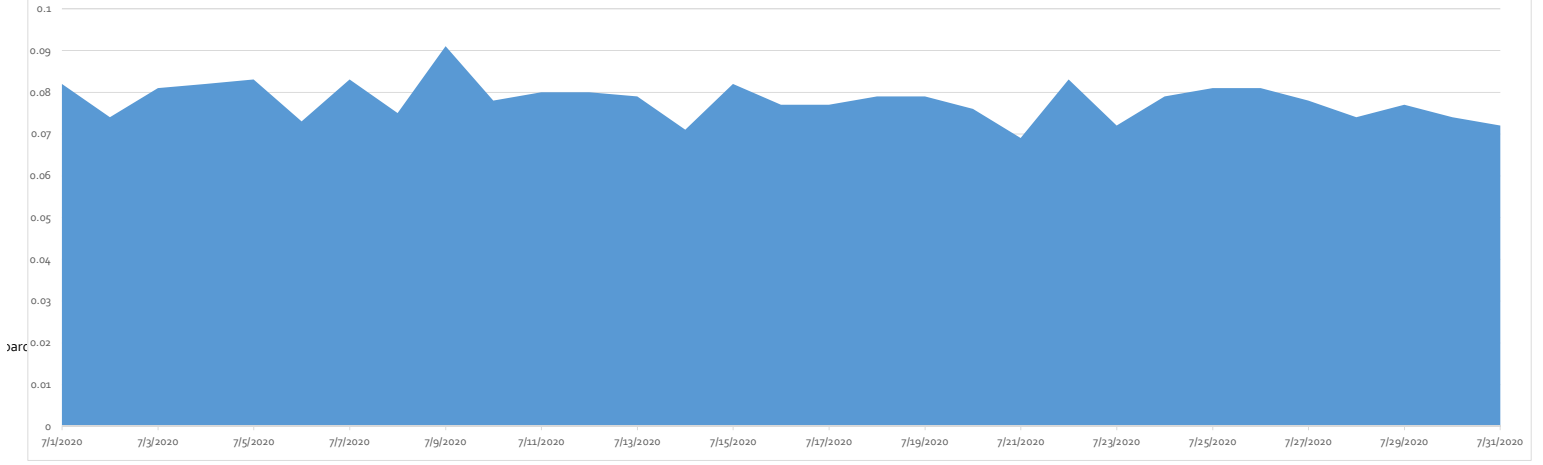


# Water Accountability Report



Month	Read Date	Purchased (1000)	Sold (1000)	Flushing	Gal.s Loss (-)	Accounted For %	Running	
							Loss %	Accounted For %
July 18	7/16/18	9,009	8,592	5	(412)	95.4%	-1.13%	98.87%
August 18	8/16/18	10,308	9,705	5	(598)	94.2%	-0.94%	99.06%
September 18	9/17/18	7,927	7,819	5	(103)	98.7%	-1.83%	98.17%
October 18	10/17/18	4,181	3,813	5	(363)	91.3%	-2.40%	97.60%
November 18	11/15/18	3,046	2,600	5	(441)	85.2%	-5.06%	94.94%
December 18	12/13/18	2,877	2,658	5	(214)	92.6%	-5.30%	94.70%
January 19	1/14/19	3,195	2,911	4	(280)	91.2%	-5.74%	94.26%
February 19	2/13/19	2,636	2,387	4	(245)	90.7%	-5.99%	94.01%
March 19	3/14/19	3,197	2,595	4	(598)	81.3%	-6.62%	93.38%
April 19	4/15/19	4,741	4,485	3	(583)	94.7%	-5.71%	94.29%
May 19	5/16/19	4,367	4,148	4	(215)	95.1%	-5.37%	94.63%
June 19	6/17/19	6,006	5,724	4	(278)	95.4%	-5.91%	94.09%
July 19	7/16/19	6,699	6,468	6	(225)	96.6%	-5.82%	94.18%
August 19	8/15/19	10,503	9,588	6	(909)	91.3%	-6.33%	93.67%
September 19	9/16/19	11,723	10,812	4	(907)	92.3%	-7.23%	92.77%
October 19	10/15/19	8,547	8,458	5	(84)	99.0%	-6.49%	93.51%
November 19	11/14/19	4,508	5,232	13	737	116.3%	-5.03%	94.97%
December 19	12/16/19	3,895	4,046	5	155	104.0%	-4.43%	95.57%
January 20	1/16/20	3,243	3,318	6	81	102.5%	-3.91%	96.09%
February 20	2/17/20	3,153	2,854	2	(297)	90.6%	-3.96%	96.04%
March 20	3/17/20	3,498	2,857	3	(637)	81.8%	-4.00%	96.00%
April 20	4/16/20	5,001	3,791	5	(1,206)	75.9%	-5.32%	94.68%
May 20	5/15/20	6,085	5,765	6	(411)	93.4%	-5.46%	94.54%
June 20	6/15/20	8,711	7,082	5	(1,624)	81.4%	-7.04%	92.96%
July 20	7/15/20	9,786	8,676	6	(1,103)	88.7%	-7.88%	92.12%

Wastewater Flows for the Month of July



**Wastewater Treatment Permit Summary**

For the Month of July

	PERMIT	ACTUAL	COMPLIANT?	PERCENT
AVG. PERMITTED FLOW	0.1 MGD	0.078	Yes	78%
AVG. PERMITTED BOD	5 mg/L	1	Yes	
AVG. PERMITTED TSS	5 mg/L	1	Yes	
AVG. PERMITTED AMMONIA NH <sub>3</sub>	2.0 mg/L	0.05	Yes	
MIN. Cl <sub>2</sub> RESIDUAL POND	1.0 mg/L	2.22	Yes	
PH (Min)	6.0 Std Units	7.1	Yes	
PH (Max)	9.0 Std Units	7.6	Yes	

**Senna Hills MUD Wastewater Flow Historical**

TOTALS	Connections	Total Effluent Flows	Average	Avg Flow Per Connection	WWTP Capacity %	ROW Flows	Pond Flows	Total Irrigation Flows
Jul-20	411	2,422,000	78,000	190	78%	593,700	1,641,000	2,234,500
Jun-20	411	2,426,000	81,000	197	81%	417,500	2,420,000	2,837,300
May-20	411	2,582,000	83,000	202	83%	267,900	2,030,000	2,298,000
Apr-20	412	2,472,000	82,000	199	82%	171,400	2,141,000	2,312,100
Mar-20	412	2,636,000	85,000	206	85%	165,800	1,918,000	2,083,800
Feb-20	412	2,011,000	69,000	167	69%	73,000	1,823,000	1,895,900
Jan-20	412	2,180,000	70,000	170	70%	118,000	1,948,000	2,066,000
<b>TOTALS</b>		<b>16,729,000</b>	<b>78,286</b>	<b>190</b>	<b>78%</b>	<b>1,807,300</b>	<b>13,921,000</b>	<b>15,727,600</b>
Dec-19	412	2,138,000	69,000	167	69%	166,000	1,851,000	2,016,800
Nov-19	412	2,132,000	71,000	172	71%	518,000	1,577,000	2,095,000
Oct-19	412	2,129,000	69,000	167	69%	710,500	1,414,000	2,124,600
Sep-19	412	2,157,000	72,000	175	72%	642,000	1,650,000	2,292,000
Aug-19	412	2,207,000	71,000	172	71%	680,000	1,463,000	2,143,000
Jul-19	412	1,895,000	61,000	148	61%	594,000	1,166,000	1,760,000
Jun-19	412	1,944,000	65,000	158	65%	276,000	1,345,000	1,621,000
May-19	412	2,108,000	76,000	184	76%	33,200	2,157,000	2,190,200
Apr-19	412	2,005,000	67,000	163	67%	32,200	728,000	760,200
Mar-19	412	1,905,000	61,000	148	61%	55,000	1,846,000	1,901,000
Feb-19	412	1,791,000	64,000	155	64%	9,000	1,781,000	1,790,000
Jan-19	412	2,303,000	74,000	180	74%	76,000	2,227,000	2,303,000
<b>TOTALS</b>		<b>24,714,000</b>	<b>68,333</b>	<b>166</b>	<b>68%</b>	<b>3,791,900</b>	<b>19,205,000</b>	<b>22,996,800</b>
Dec-18	412	2,262,000	73,000	177	73%	43,000	2,218,000	2,261,000
Nov-18	412	2,045,000	68,000	165	68%	305,000	1,740,000	2,045,000
Oct-18	412	2,353,000	76,000	184	76%	187,000	2,166,000	2,353,000
Sep-18	412	2,094,000	70,000	170	70%	233,600	1,860,000	2,093,600
Aug-18	412	2,244,000	72,000	175	72%	475,400	1,769,000	2,244,400
Jul-18	412	2,071,000	67,000	163	67%	422,400	1,315,000	1,737,400
Jun-18	412	1,983,000	66,000	160	66%	303,600	1,015,000	1,318,600
May-18	412	2,250,000	73,000	177	73%	467,000	1,236,000	1,703,000
Apr-18	412	2,056,000	69,000	167	69%	333,400	1,321,000	1,654,400
Mar-18	412	2,051,000	66,000	160	66%	145,600	1,592,000	1,737,600
Feb-18	412	1,858,000	66,000	160	83%	1,000	1,679,000	1,680,000
Jan-18	412	2,108,000	68,000	165	85%	43,000	1,892,000	1,935,000
<b>TOTALS</b>		<b>25,375,000</b>	<b>69,500</b>	<b>169</b>	<b>72%</b>	<b>2,960,000</b>	<b>19,803,000</b>	<b>22,763,000</b>

# Irrigation Work Order Proposal

**DATE:** 8/12/2020  


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**Prepared For** Mainline Leaks  


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**Property Name:** Senna Hills  
**Address 1:** Bee Caves and Senna Hills Dr  
**Address 2:** Senna Hills, TX 78733  
**Management Company:** Goodwin Management  
**Contact Name:** Carrie Martin  
**Contact E-Mail:** carrie.martin@goodwintx.com  
**Contact Phone:** 512-348-0448  
**Other Info:** Irrigation Only



**WLE Office**  
 10122 Bradshaw Road Austin, TX 78747  
 O: 888-389-LAND | F: 512-405-0340

Internal Use	
Internal Use	

REQUEST FOR REPAIRS	Quantity	LABOR/MACHINE			MATERIALS		TOTAL	
		Man Hours Per Repair	Total Man Hours	Labor Cost (\$)	Total Labor (\$)	Material Cost (per repair, \$)	Material Total (\$)	Total Labor/Material
Time and material to repair 2" mainline.	2.00	3.00	6.00	95.00	570.00	110.00	220.00	\$ 790.00

**NOTES**

MATERIALS TOTAL	220.00
LABOR TOTAL	570.00
<b>SUBTOTAL</b>	<b>790.00</b>
TAX	65.18
<b>TOTAL</b>	<b>855.18</b>

Thank you for the opportunity to serve the needs of your property.  
 Please sign this estimate or reply to our email with "approved" and we will commence work  
 ~ Your WLE Team

Accepted By: \_\_\_\_\_



Senna Hills

DATE: 8/14/2020

**WATER ON**

IRRIGATION SYSTEM RUN THROUGH REPORT



CONTROLLER 2

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X			X			12:00 AM	2:15 AM	9:45 PM	
B			X			X		12:00 AM	4:00 AM	8:00 PM	
C											
D											
E											

2-Controller Loc:	ICC NE. AT POOL BUILDING
2-Backflow Loc:	
2-Rain Sensor?	YES
Notes/Codes:	

	Program	Head Type	Plant Type	Run Time	Location	Zone #	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MIP Rotor	Raise/Lower Heads	Add Head	Move Head	Locate or Diagnose Valve	Replace Valve Cover	Replace Decoder or Node	Replace Valve Solenoid	Add Rain Sensor	Raise 6" Valve Box	Miscellaneous 2	Miscellaneous 3	LABOR					
MV					(Master Valve)	MV																				-	-	-	-	-	
1	A	SPY	T	10	SIDE STRIP SE. PLAYScape	Z1																				-	-	-	-	-	
2	A	SPY	T	10	SIDE STRIP NW. OF PLAYScape	Z2																				-	-	-	-	-	
3	A	SPY	B	10	ISLAND NW. OF PLAYScape	Z3																				-	-	-	-	-	
4	A	SPY	T	10	SIDE STRIP NW. AT ACACIA BUD DR	Z4																				-	-	-	-	-	
5	A	SPY	T	10	SIDE STRIP NW. AT ACACIA BUD DR	Z5																				-	-	-	-	-	
6	A	SPY	T	10	SIDE STRIP NE. OF MILAGRO DR	Z6																				-	-	-	-	-	
7	A	SPY	B	10	SIDE STRIP NE. OF MILAGRO DR	Z7																				-	-	-	-	-	
8	A	SPY	B	10	NE. AND NW. AT MILAGRO DR	Z8																				-	-	-	-	-	
9	A	SPY	T	10	NW. AT MILAGRO	Z9																				-	-	-	-	-	
10	A	SPY	T	10	NE. OF INDIGO BROOM ALONG FENCE	Z10																				-	-	-	-	-	
11	A	SPY	T	10	N. OF INDIGO BROOM ALONG FENCE	Z11																				-	-	-	-	-	
12	A	SPY	T	10	NE. AND NW. AT HELLIOTROPE AND ISLAND	Z12																				-	-	-	-	-	
13	A	SPY	B	10	NE. AT HELLIOTROPE	Z13																				-	-	-	-	-	
14	A	SPY	T	10	SIDE STRIP NW. AT HELLIOTROPE	Z14																				-	-	-	-	-	
15	A	SPY	T	10	SIDE STRIP N. OF VERVAIN	Z15																				-	-	-	-	-	
16	A	SPY	T	8	South east corner of Riviana	Z16																				-	-	-	-	-	
17	A	SPY	T/B	8	SE. AND SW. AT RIVINA DR	Z17																				-	-	-	-	-	
18	B	MPR	T	18	SW. AT VERVAIN	Z18																				-	-	-	-	-	
19	B	MPR	T/B	18	SE. AT VERVAIN AND ISLAND	Z19																				-	-	-	-	-	
20	A	SPY	T	8	SE. OF VERVAIN	Z20																				-	-	-	-	-	
21	B	MPR	T	18	SW. INDIGO BROOM	Z21																				-	-	-	-	-	
22	B	MPR	T	18	S. OF MILAGRO	Z22																				-	-	-	-	-	
23	A	SPY	T/B	8	SW. INDIGO BROOM	Z23																				-	-	-	-	-	
24	B	MPR	T	18	SE of Indigo Broom	Z24																				-	-	-	-	-	
25	B	MPR	T	18	S. OF PLAYScape	Z25																				-	-	-	-	-	
26	B	MPR	T	18	SE. OF PLAYScape	Z26																				-	-	-	-	-	
27	B	MPR	T	18	SW. AT INDIGO BROOM LP	Z27																				-	-	-	-	-	
28	A	SPY	T	18	S. OF ACACIA BUD	Z28																				-	-	-	-	-	
29	A	SPY	T	18	S. OF PLAYScape	Z29																				-	-	-	-	-	
30	B	MPR	T	18	SE. OF PLAYScape	Z30																				-	-	-	-	-	
31	A	SPY	T	8	SW. AT INDIGO BROOM LP	Z31																				-	-	-	-	-	
32	A	SPY	T	8	NW. AT INDIGO BROOM LP	Z32																				-	-	-	-	-	
33						Z33																				-	-	-	-	-	
34						Z34																				-	-	-	-	-	
35						Z35																				-	-	-	-	-	

Senna Hills

DATE: 8/14/2020

CONTROLLER 3

WATER	ON
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IRRIGATION SYSTEM RUN THROUGH REPORT



	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A			X			X		12:00 AM			
B	X	X		X	X		X	5:00 AM	9:00 PM		
C											
D											
E											

<b>3-Controller Loc:</b>	ICC LEFT SIDE OF POOL #3412
<b>3-Backflow Loc:</b>	SOUTH WEST CORNER INSIDE OF POOL
<b>3-Rain Sensor?</b>	YES
<b>Notes/Codes:</b>	POTABLE WATER AROUND POOL 220

	Program	Head Type	Plant Type	Run Time	Location	Zone #
MV					(Master Valve)	MV
1	A	SPY	T/B	10	TURF BEDS RIGHT SIDE OF PLAYGROUND	Z1
2	A	SPY	B	10	BEDS SOUTH OF THE POOL *	Z2
3	A	RTR	T	20	TURF INSIDE OF POOL AREA *	Z3
4	A	SPY	T/B	10	NORTH WEST ENTRY	Z4
5	A	RTR	T	20	BETWEEN PARKING LOT AND TENNIS COURT	Z5
6	A/B	SPY	B	10	SOUTH OF PLAYGROUND *	Z6
7	A	SPY	T/B	10	WEST OF BASKETBALL COURT	Z7
8	A	SPY	T/B	10	SOUTH WEST OF TENNIS COURT	Z8
9	A	SPY	T	10	SOUTH INSIDE AT PLAYGROUND *	Z9
10	A	SPY	B	10	SOUTH WEST OF PLAYGROUND *	Z10
11	A	SPY	B	10	BEDS BY CONTROL*	Z11
12	A	SPY	T/B	10	INSIDE BACK OF POOL	Z12
13	A	SPY	T	10	WEST INSIDE PLAYGROUND	Z13
14	A	RTR	T	20	TURF BY TENNIS COURT *	Z14
15	A	SPY	T	10	EAST INSIDE OF PLAYGROUND	Z15
16	A	SPY	T	10	WEST AT PLAYGROUND	Z16
17						Z17
18						Z18
19						Z19
20						Z20
21						Z21
22						Z22
23						Z23
24						Z24
25						Z25
26						Z26
27						Z27
28						Z28
29						Z29
30						Z30
31						Z31
32						Z32
33						Z33
34						Z34
35						Z35

	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MIP Rotor	Raise/Lower Heads	Add Head	Move Head	Locate or Diagnose Valve	Replace Valve Cover	Replace Decoder or Node	Replace Valve Solenoid	Add Rain Sensor	Miscellaneous 1	Miscellaneous 2	Miscellaneous 3				

LABOR	-	-	-	-	-
	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-



**Senna Hills**

DATE: 8/14/2020

CONTROLLER 4

**WATER ON**

**IRRIGATION SYSTEM RUN THROUGH REPORT**



	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X	X			X	X	6:00 PM	7:00 AM		
B	X	X				X	X	3:00 AM			
C											
D											
E											

<b>4-Controller Loc:</b>	PRO-C N. AT GILIA AND SENNA HILLS DR. HUNTER PRO- C
<b>4-Backflow Loc:</b>	
<b>4-Rain Sensor?</b>	YES
<b>Notes/Codes:</b>	

	Program	Head Type	Plant Type	Run Time	Location	Zone #	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MIP Rotor	Raise/Lower Heads	Add Head	Move Head	Locate or Diagnose Valve	Replace Valve Cover	Replace Decoder or Node	Replace Valve Solenoid	Add Rain Sensor	Add 25' of Drip for Coverage	Raise 6" Valve Box	Miscellaneous 3	LABOR					
MV					( NO MV )	MV																					-	-	-	-	-
1	A	SPY	B	6	N. AND W. AT GILIA AND SENNA HILLS	Z1																					-	-	-	-	-
2	A	SPY	T	6	SIDE STRIP E. OF GILIA AND SENNA HILLS	Z2																					-	-	-	-	-
3	A	SPY	T	6	NE. ALONG GILIA	Z3																					-	-	-	-	-
4	A	SPY	T	6	NW. ALONG AT GILIA AND SENNA HILLS	Z4																					-	-	-	-	-
5	A	SPY	T	6	SW. ALONG GILIA	Z5																					-	-	-	-	-
6	A	SPY	T	6	SIDE STRIP NE AT RIVINA DR	Z6																					-	-	-	-	-
7	A	SPY	T	6	NE. OF SIDE STRIP RIVINA DR	Z7																					-	-	-	-	-
8	A	SPY	B	6	NE. OF RIVINA DR)	Z8																					-	-	-	-	-
9	A	SPY	B	6	NE. AND NW. OF RIVINA DR	Z9																					-	-	-	-	-
10	B	DRP	T	20	NE. OF RIVINA ALONG THE FENCE	Z10																					-	-	-	-	-
11	B	DRP	T	20	SIDE STRIP NE. OF RIVINA	Z11																					-	-	-	-	-
12						Z12																					-	-	-	-	-
13						Z13																					-	-	-	-	-
14						Z14																					-	-	-	-	-
15						Z15																					-	-	-	-	-
16						Z16																					-	-	-	-	-
17						Z17																					-	-	-	-	-
18						Z18																					-	-	-	-	-
19						Z19																					-	-	-	-	-
20						Z20																					-	-	-	-	-
21						Z21																					-	-	-	-	-
22						Z22																					-	-	-	-	-
23						Z23																					-	-	-	-	-
24						Z24																					-	-	-	-	-
25						Z25																					-	-	-	-	-
26						Z26																					-	-	-	-	-
27						Z27																					-	-	-	-	-
28						Z28																					-	-	-	-	-
29						Z29																					-	-	-	-	-
30						Z30																					-	-	-	-	-
31						Z31																					-	-	-	-	-
32						Z32																					-	-	-	-	-
33						Z33																					-	-	-	-	-
34						Z34																					-	-	-	-	-
35						Z35																					-	-	-	-	-

Senna Hills

DATE: 8/14/2020

CONTROLLER 5

**WATER ON**

IRRIGATION SYSTEM RUN THROUGH REPORT



	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X			X		X	12:00 AM			
B		X			X		X	7:00 PM			
C	X		X			X		8:00 AM			
D											
E											

<b>5-Controller Loc:</b>	I-CORE NE. OF W. SENNA HILLS ENTRENCE BY ROAD
<b>5-Backflow Loc:</b>	
<b>5-Rain Sensor?</b>	YES
<b>Notes/Codes:</b>	

	Program	Head Type	Plant Type	Run Time	Location	Zone #	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MIP Rotor	Raise/Lower Heads	Add Head	Move Head	Locate or Diagnose Valve	Replace Valve Cover	Replace Decoder or Node	Replace Valve Solenoid	Add Rain Sensor	Miscellaneous 1	Miscellaneous 2	Miscellaneous 3	LABOR					
MV					(Master Valve)	MV																				-	-	-	-	-	
1	A/B	MPR	T	20	ISLAND W. OF CONTROLLER	Z1																					-	-	-	-	-
2	A/B	MPR	T	20	ISLAND NW. OF CONTROLLER	Z2																					-	-	-	-	-
3	A/B	MPR	T	20	MIDDLE ISLAND NW. OF CONTROLLER	Z3																					-	-	-	-	-
4	A/B	MPR	T	20	N. OF ISLAND NW. OF CONTROLLER	Z4																					-	-	-	-	-
5	A/B	MPR	T	20	NEXT ISLAND	Z5																					-	-	-	-	-
6	A/B	MPR	T	20	ISLAND SE. OF GILIA	Z6																					-	-	-	-	-
7	A/B	MPR	T	20	ISLAND E. OF GILIA	Z7																					-	-	-	-	-
8	A/B	MPR	T	20	ISLAND NE. OF GILIA	Z8																					-	-	-	-	-
9	A/B	MPR	T	20	ISLAND NE. OF GILIA	Z9																					-	-	-	-	-
10	A/B	MPR	T	20	ISLAND SW. OF RIVINA	Z10																					-	-	-	-	-
11	A/B				OPEN	Z11																					-	-	-	-	-
12	A/B	MPR	T	20	CENTER ISLAND	Z12																					-	-	-	-	-
13	A/B	MPR	T	20	CENTER ISLAND	Z13																					-	-	-	-	-
14	A/B	MPR	T	20	CENTER ISLAND	Z14																					-	-	-	-	-
15	A/B	MPR	T	20	CENTER ISLAND	Z15																					-	-	-	-	-
16	A/B	SPY	T	10	END OF ISLAND	Z16																					-	-	-	-	-
17	A/B	SPY	T	10	NE. OF GILIA	Z17																					-	-	-	-	-
18	A/B	MPR	T	20	E. OF GILIA	Z18																					-	-	-	-	-
19	A/B	MPR	T	20	E. OF GILIA	Z19																					-	-	-	-	-
20	A/B	MPR	T	20	SE. OF GILIA	Z20																					-	-	-	-	-
21	A/B	MPR	T	20	SE. OF GILIA	Z21																					-	-	-	-	-
22	A/B	MPR	T	20	SW. OF GILIA	Z22																					-	-	-	-	-
23	C	DRP	B	20	SE. OF GILIA BEDS	Z23																					-	-	-	-	-
24	A/B	MPR	T	20	SW. OF GILIA	Z24																					-	-	-	-	-
25	A/B	MPR	T	20	NW. AT CONTROLLER	Z25																					-	-	-	-	-
26	A/B	SPY	T	10	W. AND SW. AT CONTROLLERS	Z26																					-	-	-	-	-
27						Z27																					-	-	-	-	-
28						Z28																					-	-	-	-	-
29						Z29																					-	-	-	-	-
30						Z30																					-	-	-	-	-
31						Z31																					-	-	-	-	-
32						Z32																					-	-	-	-	-
33						Z33																					-	-	-	-	-
34						Z34																					-	-	-	-	-
35						Z35																					-	-	-	-	-

Senna Hills

DATE: 8/14/2020

CONTROLLER 6

**WATER ON**

IRRIGATION SYSTEM RUN THROUGH REPORT



	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A	X			X				12:00 AM			
B	X			X				7:00 PM			
C	X		X		X	X		5:00 AM	9:00 PM		
D											
E											

6-Controller Loc:	I-CORE NE of W. Senna Hills
6-Backflow Loc:	
6-Rain Sensor?	YES
Notes/Codes:	

	Program	Head Type	Plant Type	Run Time	Location	Zone #	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MIP Rotor	Raise/Lower Heads	Add Head	Move Head	Locate or Diagnose Valve	Replace Valve Cover	Replace Decoder or Node	Replace Valve Solenoid	Add Rain Sensor	Install an Add-A-Zone	Miscellaneous 2	Miscellaneous 3	LABOR					
MV					(Master Valve)	MV																					-	-	-	-	-
1	A/B	SPY	T	10	SIDE STRIP W. BETWEEN RIVINA AND GILIA	Z1																					-	-	-	-	-
2	A/B	SPY	T	10	SIDE STRIP W. BETWEEN RIVINA AND GILIA	Z2																					-	-	-	-	-
3	A/B	SPY	T/B	10	SIDE STRIP W. B/W RIVINA AND GILIA UP WALL	Z3																					-	-	-	-	-
4	A/B	SPY	T	10	WEST OF RIVINA LEFT SIDE	Z4																					-	-	-	-	-
5	A/B	MPR	T	20	WEST OF ALONG OF STREET	Z5																					-	-	-	-	-
6	A/B	MPR	T	20	WEST OF GILIA	Z6																					-	-	-	-	-
7	A/B	MPR	T	20	WEST OF GILIA	Z7																					-	-	-	-	-
8	A/B	MPR	T	20	WEST ALONG OF STREET	Z8																					-	-	-	-	-
9	A/B	MPR	T	20	ALONG OF STREET	Z9																					-	-	-	-	-
10	A/B	MPR	T	20	WEST AT SIDEWALK	Z10																					-	-	-	-	-
11	A/B	MPR	T	20	ALONG OF SIDEWALK BETWEEN GILIA AND ENTRY	Z11																					-	-	-	-	-
12	A/B	MPR	T	20	Top Hill	Z12																					-	-	-	-	-
13	A/B	MPR	T	20	ALONG OF SIDEWALK WEST OF CONTROL	Z13																					-	-	-	-	-
14	A/B	MPR	T	20	WEST OF SIDEWALK	Z14																					-	-	-	-	-
15	A/B	MPR	T/B	20	ALONG OF SIDEWALK	Z15																					-	-	-	-	-
16	A/B	MPR	T/B	20	BACK OF WALL ENTRY	Z16																					-	-	-	-	-
17	A/B	MPR	T	20	BACK OF WALL	Z17																					-	-	-	-	-
18	C	DRP	B	20	BEDS AT ISLAND AT ENTRY	Z18																					-	-	-	-	-
19	A/B	MPR	T	20	WEST SIDE OF ENTRY	Z19																					-	-	-	-	-
20	A/B	MPR	T	20	WEST UP HILL	Z20																					-	-	-	-	-
21	A/B	MPR	T	20	BEDS WEST SIDE AT THE ENTRY	Z21																					-	-	-	-	-
22	A/B	MPR	T	20	EAST SIDE ENTRY	Z22																					-	-	-	-	-
23	A/B	MPR	T	20	EAST SIDE FRONT OF THE SING	Z23																					-	-	-	-	-
24	A/B	MPR	T	20	FRONT OF SIDE BY RD	Z24																					-	-	-	-	-
25	A/C	DRP	B	30	BEDS WEST SIDE AT THE ENTRY	Z25																					-	-	-	-	-
26	A/B	SPY	T	10	EAST SIDE ENTRY	Z26																					-	-	-	-	-
27	A/C	DRP	B	30	EAST SIDE FRONT OF THE SING	Z27																					-	-	-	-	-
28	A/B	MPR	T	20	FRONT OF SIDE BY RD	Z28																					-	-	-	-	-
29	A/B	SPY	T	10	CENTER ISLAND AT ENTRY	Z29																					-	-	-	-	-
30	C	DRP	B	20	CENTER ISLAND ENTRY	Z30																					-	-	-	-	-
31						Z31																					-	-	-	-	-
32						Z32																					-	-	-	-	-
33						Z33																					-	-	-	-	-
34						Z34																					-	-	-	-	-
35						Z35																					-	-	-	-	-

Senna Hills

DATE: 8/14/2020

CONTROLLER 7

**WATER ON**

IRRIGATION SYSTEM RUN THROUGH REPORT



	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A	X		X		X			12:00 AM	11:00 PM		
B											
C											
D											
E											

7-Controller Loc:	CORNER OF PEONIA IN SENNA HILLS
7-Backflow Loc:	
7-Rain Sensor?	YES
Notes/Codes:	

	Program	Head Type	Plant Type	Run Time	Location	Zone #	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MIP Rotor	Raise/Lower Heads	Add Head	Move Head	Locate or Diagnose Valve	Replace Valve Cover	Replace Decoder or Node	Replace Valve Solenoid	Add Rain Sensor	Miscellaneous 1	Miscellaneous 2	Miscellaneous 3	LABOR									
MV					(Master Valve)	MV																													
1	A	MPR	T	30	BETWEEN PEONIA AND BROOM	Z1																													
2	A	MPR	T	30	BETWEEN PEONIA AND BROOM	Z2																													
3						Z3																													
4						Z4																													
5						Z5																													
6						Z6																													
7						Z7																													
8						Z8																													
9						Z9																													
10						Z10																													
11						Z11																													
12						Z12																													
13						Z13																													
14						Z14																													
15						Z15																													
16						Z16																													
17						Z17																													
18						Z18																													
19						Z19																													
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25						Z25																													
26						Z26																													
27						Z27																													
28						Z28																													
29						Z29																													
30						Z30																													
31						Z31																													
32						Z32																													
33						Z33																													
34						Z34																													
35						Z35																													

# Senna Hills IRRIGATION SYSTEM PROGRAM SUMMARY



DATE: 8/14/2020

## CONTROLLER 1

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X		X		X		12:00 AM	3:00 AM	9:00 PM	
B	X		X		X		X	1:00 AM	4:00 AM		
C											
D											
E											

**WATER ON**

<b>1-Controller Loc:</b>	ICC W. ALONG SENNA HILLS DR BETWEEN 2244 AND PEONIA
<b>1-Backflow Loc:</b>	
<b>1-Rain Sensor?</b>	YES

## CONTROLLER 2

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X			X			12:00 AM	2:15 AM	9:45 PM	
B			X			X		12:00 AM	4:00 AM	8:00 PM	
C											
D											
E											

**WATER ON**

<b>2-Controller Loc:</b>	ICC NE. AT POOL BUILDING
<b>2-Backflow Loc:</b>	
<b>2-Rain Sensor?</b>	YES

## CONTROLLER 3

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A			X			X		12:00 AM			
B	X	X		X	X		X	5:00 AM	9:00 PM		
C											
D											
E											

**WATER ON**

<b>3-Controller Loc:</b>	ICC LEFT SIDE OF POOL #3412
<b>3-Backflow Loc:</b>	SOUTH WEST CORNER INSIDE OF POOL
<b>3-Rain Sensor?</b>	YES

## CONTROLLER 4

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X		X		X	X	6:00 PM	7:00 AM		
B	X	X				X	X	3:00 AM			
C											
D											
E											

**WATER ON**

<b>4-Controller Loc:</b>	PRO-C N. AT GILIA AND SENNA HILLS DR. HUNTER PRO-C
<b>4-Backflow Loc:</b>	
<b>4-Rain Sensor?</b>	YES

## CONTROLLER 5

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A		X			X		X	12:00 AM			
B		X			X		X	7:00 PM			
C	X		X			X		8:00 AM			
D											
E											

**WATER ON**

<b>5-Controller Loc:</b>	I-CORE NE. OF W. SENNA HILLS ENTRANCE BY ROAD
<b>5-Backflow Loc:</b>	
<b>5-Rain Sensor?</b>	YES

## CONTROLLER 6

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A	X			X				12:00 AM			
B	X			X				7:00 PM			
C	X		X		X	X		5:00 AM	9:00 PM		
D											
E											

**WATER ON**

<b>6-Controller Loc:</b>	I-CORE NE OF W. Senna Hills
<b>6-Backflow Loc:</b>	
<b>6-Rain Sensor?</b>	YES

## CONTROLLER 7

	S	M	T	W	Th	F	S	START 1	START 2	START 3	START 4
A	X		X		X			12:00 AM	11:00 PM		
B											
C											
D											
E											

**WATER ON**

<b>7-Controller Loc:</b>	CORNER OF PEONIA IN SENNA HILLS
<b>7-Backflow Loc:</b>	
<b>7-Rain Sensor?</b>	YES

# IRRIGATION WORK ORDER PROPOSAL

DATE: 8/14/2020

WATER	ON
POTABLE?	NO

WLE LLC  
10122 Bradshaw Road  
Austin TX, 78747  
888-389-5263



CUSTOMER INFORMATION			
<b>Property Name:</b>	Senna Hills	<b>Management Company:</b>	Goodwin Management
<b>Address 1:</b>	Bee Caves and Senna Hills Dr	<b>Contact Name:</b>	Carrie Martin
<b>Address 2:</b>	Senna Hills, TX 78733	<b>Contact E-Mail:</b>	carrie.martin@goodwintx.com
<b>Other Info:</b>	Irrigation Only	<b>Contact Phone:</b>	512-348-0448

REQUEST FOR REPAIRS		LABOR/MACHINE				MATERIALS		TOTAL
		Man Hours (Per Repair)	Man Hours Total	Labor Cost (Per Hour, \$)	Labor Cost Total (\$)	Material Cost (Per Repair, \$)	Material Cost Total (\$)	Total Labor/Material

Please sign this estimate or reply to our email with "approved" and we will commence work  
Irrigation in Texas is regulated by the Texas Commission on Environmental Quality (TCEQ), MC-178,  
P.O. Box 13087, Austin, Texas 78711-3087. TCEQ's web site is: www.tceq.state.tx.us.

Accepted By: \_\_\_\_\_

MATERIALS TOTAL	0.00
LABOR TOTAL	0.00
<b>SUBTOTAL</b>	<b>0.00</b>
TAX	0.00
<b>TOTAL</b>	<b>0.00</b>