





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

Board Meeting: Septmeber 25th, 2020

Reviewed By: Jesse L Kennis

Date: 9/18/2020



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Memorandum for: Senna Hills MUD Board of Directors

From: Jesse L. Kennis II

Date: September 25, 2020

Subject: General Manager's Executive Summary Report

In preparation of the meeting I toured the District on September 17, 2020. Below is a summary of activities since the last board meeting:

1) Wastewater Treatment Plant

- a) 2.4 MG for the month. 78,000 GPD average, 78% capacity.
- b) No excursions for the month of August but there was a sanitary sewer overflow on September 11, 2020 at the WWTP (4,000 gallons that soaked into the soil). The influent flow meter failed, and the SCADA system interpreted that as no flow. The drum screens stopped cleaning and blinded over resulting in the spill. They are currently being operated in manual clean mode until the flow meter is replaced. The meter warranty appears to have ended in May 2020. I am waiting on a price quote from Fluid Meter Service to replace the meter. I will ask the board to approve purchasing a replacement meter.
- c) The sludge box meter has not been received yet. It is scheduled to ship at the end of this week.
- d) Hauled off old plant equipment.

2) Re-Use Water System

a) The recent rains and return of full usage resulted in the need to cut the spray fields twice in September.

3) Distribution System - Billing

- a) 11.5 MG purchased for the month.
- b) 4.5% water loss for August 2020.
- c) Chlorine residuals and bacteriological samples satisfactory.
- d) 7 delinquent letters mailed out, 0 tags hung, no disconnects.
- e) 48 new meters replaced as of September 18, 2020.

4) Collection System

 a) Autodialer install at WWTP 75% complete. Awaiting tie into SCADA alarm by TracNTrol, conversion of dry contactor to 12V DC.

5) Drainage/Ponds/MS4

- b) Detention Pond inspection conducted August 21, 2020.
- c) Zane Furr has provided a quote of \$2,000 to haul off large piles of yard waste that have bene dumped at Strawflower Lift Station. Included the quote is removal of Junipers and scrub brush to remove any concealment and deter more illegal dumping. No Dumping Signs will be installed as well.

Current Items Requiring Board Approval:

Vendor	Amount	WO#	Budget Amount	Description
Fluid Meter Service	TBD			Influent Flowmeter





Strawflower illegal dumping

Influent Flowmeter



Drum Screen platform



Area where spill occurred



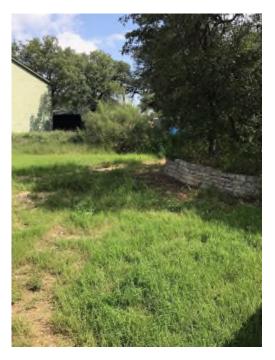
WWTP West Fence Line Before



WWTP West Fence Line After



WWTP Site Old Equipment Before



After

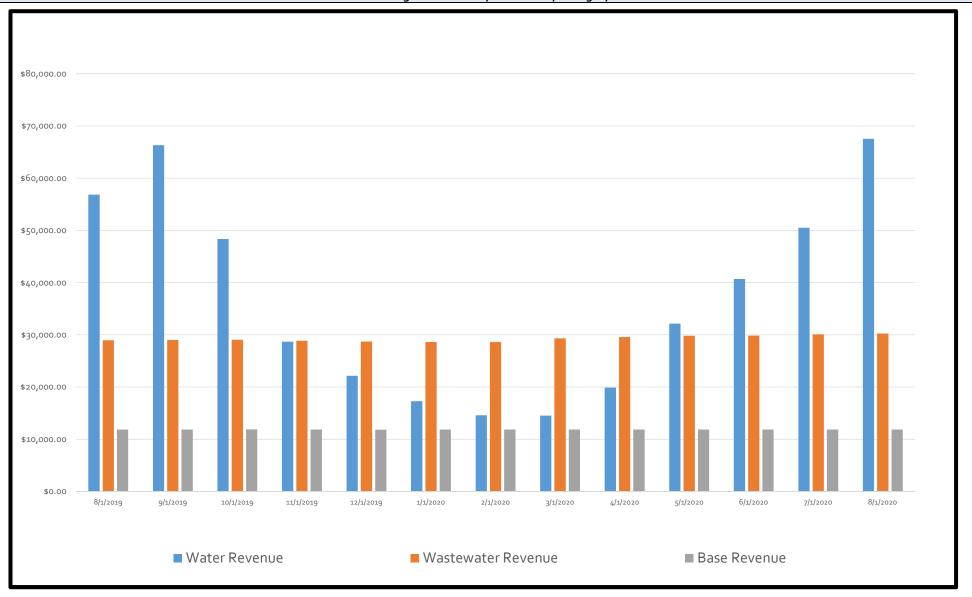


Billing Summary

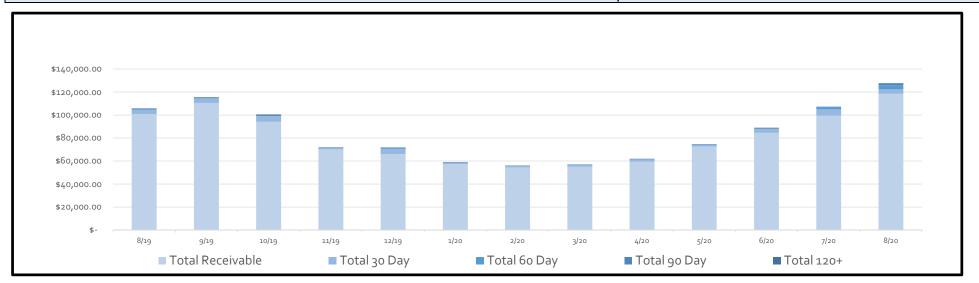


Description	Connections			
	Aug-19	Aug-20		
Residential	405	405		
Hydrant	-	-		
Tracking	6	5		
No Bill	1	1		
Total Number of Accounts Billed	412	411		
	Consui	 mption		
Residential	9,376,000	10,918,000		
Hydrant	-	-		
Tracking Amenity Center	152,000	71,000		
Total Gallons Consumed	9,528,000	10,989,000		
	Average Co	nsumption		
Residential	23,151	26,958		
Hydrant	-	-		
Tracking	25,333	14,200		
Avg Water Use for Accounts Billed	23,126	26,737		
Total Billed	\$ 100,844	\$ 112,887		
Total Aged Receivables	\$ (95)	\$ 5,546		
Total Receivables	\$ 100,749	\$ 118,433		

12 Billing Month History Revenue by Category



12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 6o Day	Total 90 Day	Total 120+
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
8/20	\$ 118,432.85	\$ 3,897.91	\$ 3,574.75	\$ 1,672.95	\$ 90.03
		-			

Board Consideration to Write Off \$0.00
Board Consideration Collections \$0.00

Delinquent Letter Mailed 7
Delinquent Tags Hung N/A
Disconnects for Non Payment N/A



Water Production and Quality

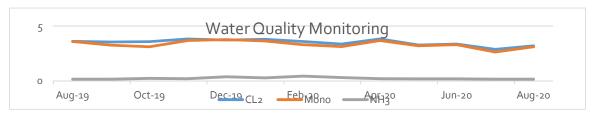


Water Quality Monitoring

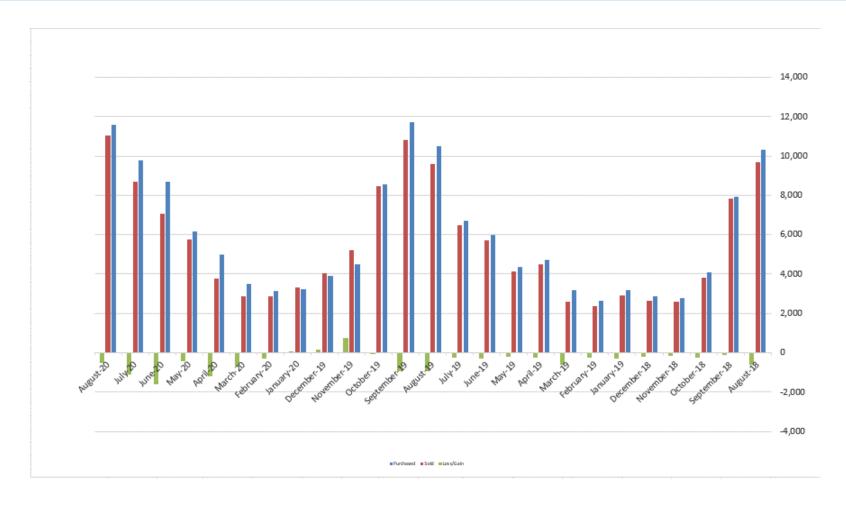
Current Annual CL2 Avg 3.51

Requirements Min .50

Date	CL2	Mono	NH3
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
Aug-20	3.2	3.11	0.15



Water Accountability Report

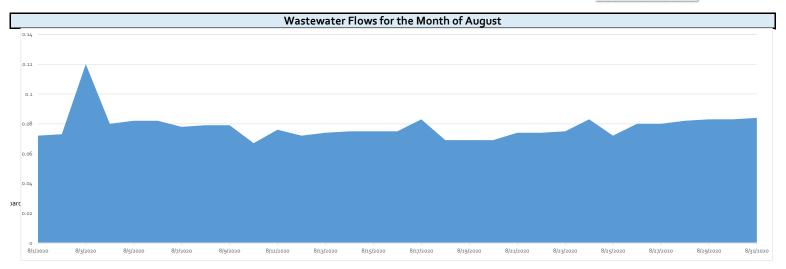


Month	Read Date	Purchased	Sold (1000)	Flushing	Gal.s Loss (-)	Accounted For %	Running	
WOITH	Read Date	(1000)	30id (1000)	Flushing	Gal.S LOSS (-)	Accounted For %	Loss %	Accounted For %
August 18	8/16/18	10,308	9,705	5	(598)	94.2%	-0.94%	99.06%
September 18	9/17/18	7,927	7,819	5	(103)	98.7%	-1.83%	98.17%
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%
August 20	8/17/20	11,586	11,062	6	(519)	95.5%	-7.28%	92.72%



Wastewater Production and Quality





Wastewater Treatment Permit Summary

For the Month of August

				_	
	PERMIT	ACTUAL	COMPLIANT	?	PERCENT
AVG. PERMITTED FLOW	0.1 MGD	0.078	Yes	MGD	78%
AVG. PERMITTED BOD	5 mg/L	1	Yes	mg/L	
AVG. PERMITTED TSS	5 mg/L	1	Yes	mg/L	
AVG. PERMITTED AMMONIA NH ₃	2.0 mg/L	0.05	Yes	mg/L	
MIN. Cl ₂ RESIDUAL POND	1.0 mg/L	1.88	Yes	mg/L	
PH (Min)	6.0 Std Units	7.0	Yes	Std Units	
PH (Max)	9.0 Std Units	7.3	Yes	Std Units	

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
Aug-20	411	2,419,000	78,000	190	78%	748,500	1,706,000	2,454,700
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
TOTALS		19,148,000	78,250	190	78%	2,555,800	15,627,000	18,182,300
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
TOTALS		24,714,000	68,333	166	68%	3,791,900	19,205,000	22,996,800
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
TOTALS		25,375,000	69,500	169	72%	2,960,000	19,803,000	22,763,000

Water Quality Noncompliance Notification *See back of Form for Guidance for Completion*

□ Unauthorized Discharge □ □ □	Reportable Effluent Violation	☐ Other
General Information		
Entity Name: Senna Hills MUD	Tele	phone No: (512) 246-0498
□ Subscri	ber	
TCEQ Region: Region 11	County: Hays	*Permit Number: WQ0013238-001
Noncompliance Summary		
Description of Noncompliance (include I Discharge was from influent drum screens and fl approximately 4,000 gals.		
Cause of Noncompliance: C ontrol system the drum screen efficiency and causing a sl		
Duration: Start Date and Time: 9/11/20 End Date and Time: 9/12/202		cted to be Corrected:
Potential Danger to Human Health and	Safety or the Environment:	None expected.
Actions Taken		
Monitoring Data: Data should be attac	hed or submitted to TCEQ whe	en available.
☐ Yes ☒ No Field M ☐ Yes ☒ No Labora ☐ Yes ☒ No Fish Kil		illed:
Actions Taken to Mitigate Adverse Effe Discharge soaked into ground, no solids to		
Actions Taken to Correct the Problem a monitored operation to ensure screens are cellular alarm system to ensure alarm notif the drum screen controls Monday during not Verification Information	working as they should. We are in its increase in the increase in the increase when experiencing telephoral increase in the in	n the process of installing a back-up one line failure. Repairs will be made to
	Scott Manual Operations Mana	ngor
Information Reported By (Name/Title)		<u> </u>
Date Reported: 9/12/2020 Signature	e: South Man	
Note: If this form is being used for a 5- Region Office, and the original to: TCE P.O. Box 13087, Austin, TX 78711-308	Q, Compliance Monitoring Tear	

 * If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.



Guidance - Water Quality Noncompliance Notification Form

When reporting an unauthorized discharge or sanitary sewer overflow (SSO), it is important to include all

information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.125(9), and, if applicable, 30 TAC Section 319.302(b).

This form may be used as the 24-hour notification to the Regional Office and may also be used as the 5-day written report. If the event was reported within 24 hours via phone, or an incomplete form was submitted as part of the 24-hour reporting requirement, you must fax or mail a completed, signed copy within 5 days to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

Unauthorized Discharge - An unauthorized discharge is any discharge of wastewater into or adjacent to waters in the state at a location not permitted as an outfall. An SSO is any overflow, regardless of volume, from a sewer collection system (i.e., lift stations, manholes, force mains, cleanouts, service lines). An SSO is an "unauthorized discharge."

General Information

"Entity name" is your permitted name (owner name for subscriber systems). Designate with an "X" or "√" to identify whether you are a permittee or subscriber.

Permit Number - Include your TCEQ WQ permit number (i.e., WQ0012345001). If you are a **subscriber**, use the permit number of the treatment plant to which the collection system is tied. If the WQ permit is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Description of Noncompliance:

- Location & collection system structure (i.e., Manhole at 650 Main St.)
- Route of discharge Follow the discharge from its origin to where it was contained or entered a receiving waterway. If the receiving waterway is unnamed, provide the name of the nearest named adjoining

waterway. (Examples: soaked into ground; manhole \rightarrow nearby storm ditch \rightarrow unnamed tributary of Kings Creek)

• Estimated amount of the discharge (includes any recovered amount)

Cause of Noncompliance: Why did this incident occur? Was it caused by grease, blockage, infiltration or inflow, equipment failure, structural failure, power outage, vandalism, human error, contractor, unknown?

Duration: Include dates and times.

Potential Danger to Human Health & Safety or the Environment: Any danger to the aforementioned should be promptly discussed with the TCEQ Regional Office. Additional notifications may be necessary.

Actions Taken

Monitoring Data: Designate with an "X" or " \checkmark ."

Actions taken to Mitigate Adverse Effects:

Ask yourself, "How did we keep this from becoming an environmental or health problem?" Include information such as:

- amount recovered from the total estimated amount stated under the description above
- method used to recover the wastewater
- treatments used for disinfection or deodorizing
- activities to lessen impact to property, a waterway, or public health

Actions taken to correct the problem and prevent recurrence: Ask yourself, "How did we address the direct cause of the overflow, and was there anything else we did to prevent this noncompliance from occurring again?" Include actions such as:

- jetting the main
- educating residents about proper grease disposal
- adding the location to your preventative maintenance list
- repairing equipment, circuits, or replacing lines, etc.

Verification Information

Information Reported By: Include both your name and title. Please sign and date the form.

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DISTRICT: SENNA

DATE: 08.21.20

WO: 2230938

TECH: TAMMY YBARRA

Pond Location	MILAGRO
Pond water level	DRY
Does the pond drain within 48 hours?	NA
Sediment depth in the forbay?	NA
Sediment depth in the sand filter area?	NA
Trash found at site?	NO
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	GOOD
Condition of vegetation around the out fall pipe	GOOD
Was sediment found in the under drain piping? Remove open clean out tops and check	NA
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	NO
Discharge valve open operational	NA
Emergency bypass valve closed and operational	NA
Are all inlets in area clear of debris and sediment?	YES
	POND IS IN GOOD CONDITION





DISTRICT: SENNA

DATE: 08.21.20

WO: 2230938

TECH: TAMMY YBARRA

Pond Location	SEC 2
Pond water level	DRY
Does the pond drain within 48 hours?	NA
Sediment depth in the forbay?	NA
Sediment depth in the sand filter area?	NA
Trash found at site?	NO
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	GOOD
Condition of vegetation around the out fall pipe	NA
Was sediment found in the under drain piping? Remove open clean out tops and check	NA
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	NO
Discharge valve open operational	NA
Emergency bypass valve closed and operational	NA
Are all inlets in area clear of debris and sediment?	HAS VERY LITTLE SEDIMENT
	POND IS IN GOOD CONDITION





DISTRICT: SENNA

DATE: 08.21.20

WO: 2230938

TECH: TAMMY YBARRA

Pond Location	SEC 4
Pond water level	DRY
Does the pond drain within 48 hours?	NA
Sediment depth in the forbay?	NA
Sediment depth in the sand filter area?	NA
Trash found at site?	NO
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	GOOD
Condition of vegetation around the out fall pipe	NA
Was sediment found in the under drain piping? Remove open clean out tops and check	NA
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	NO
Discharge valve open operational	NA
Emergency bypass valve closed and operational	NA
Are all inlets in area clear of debris and sediment?	HAS LITTLE SEDIMENT
	POND IS IN GOOD CONDITION - LITTLE EROSION BY THE GABION
COMMENTS	





DISTRICT: SENNA

DATE: 08.21.20

WO: 2230938

TECH: TAMMY YBARRA

Pond Location	STRAWFLOWER
Pond water level	DRY
Does the pond drain within 48 hours?	NA
Sediment depth in the forbay?	NA
Sediment depth in the sand filter area?	NA
Trash found at site?	NO
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	GOOD
Condition of vegetation around the out fall pipe	GOOD
Was sediment found in the under drain piping? Remove open clean out tops and check	NA
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	NO
Discharge valve open operational	NA
Emergency bypass valve closed and operational	NA
Are all inlets in area clear of debris and sediment?	NO
POND IN GOOD CONDITION	INLET HAS LITTLE BUILD UP - POND IS FUNCTIONING
COMMENTS	PROPERLY AND DOES NOT NEED ATTENTION.





Problem Statement

- Storm Inlet on Senna Hills HOA Amenity Center Circle Drive backs up during rain event.
- Pool backwash drain possible MS4 permit violation.
- Storm Drain Pipe damaged 25' from inlet.
- Confined Space under pool deck makes maintenance of sedimentation/filtration pond difficult.
- Plans may not be "as built".
- Stormwater Facility (under pool deck) may be a private facility.



Senna Hills HOA Pool Stormwater Drainage Issue

FACTS/ASSUMPTIONS

- **1. F**. Rainwater backs up at inlet on circular drive
- 2. F. Storm Drain line from circle drive inlet to splitter box has damage and roots inside.
- A. Sedimentation and Sand Filtration Basin is under the pool deck
- A. Splitter box is buried beside pool deck area as depicted.
- 5. A. Pool Backwash discharges into Splitter Box and into District Storm Sewer on S.H. Drive
- 6. A. Legal and Engineering concur with scope of work and concept



Seepage Stain



Profile View of Site

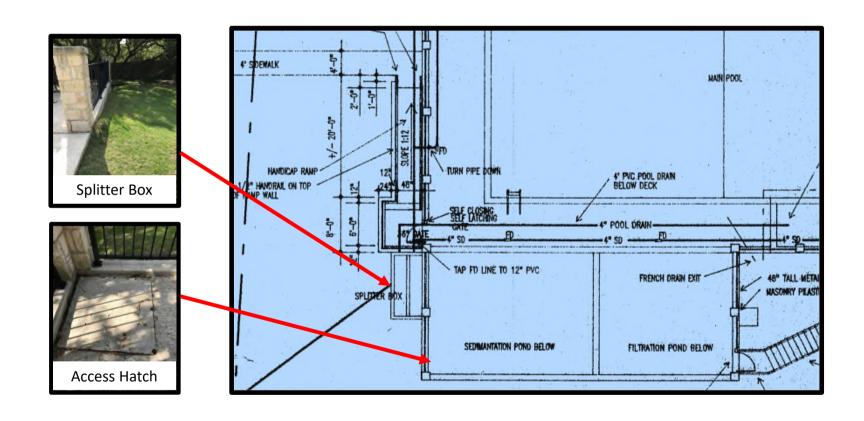








Plan View of Sedimentation/Filtration Pond





Proposed Scope of Work

- Coordinate to close pool for 1-2 days to investigate possible MS4 permit violation.
- Unbolt 34" x 33.5" metal access hatch on pool deck to determine if sedimentation and sand filtration basin is underneath. Install temporary cover to make safe.
- Probe or excavate to locate splitter box.
- Assess situation and develop possible solutions after initial investigation.
- Report findings to Board Subcommittee/legal/engineering.

WATER ON



DA	λΤΕ	9/2	1/2020)						CONT	ROLLER 1																						V	<i>,</i>
	s	М	T W	Th	F	s	ST	ART 1	START 2	START 3	START 4																			1-Cont	roller Loc:		SENNA HILLS	
Α		Х	Х		Х		1:0	00 AM	9:00 AM																					1-Back	flow Loc:	DETWICE N EE	1741012014	`
В		-	X	X		Х		00 AM	9:00 PM			1													0					1-Rain	Sensor?	YES		
		\vdash		+`				0071111	0.001 101			1											ake		<u>ğ</u> :	ᅙ				Notes/		3212		
С													Break	Lateral				ad		<u>v</u>			>	ver	<u>ا</u> ک	enc	ď			140163/4	Joues.	3212		
D		\vdash										-	B B	Fat		a		윈		ead ead			l Sor	Cover	j je	8			က			1	1	1
Е													ij	ê	Break	ZZ	Ive	Spray Head	Rotor	2 T			jag	lve	8 .	<u>≅</u>	Sensor 12" Pop	Snc	Snc		9			
		_	8		;	ed	. e						Repair Mainline	Repair Broken	e Br	Replace Nozzle	Replace Valve	Sp	B R	Raise/Lower Heads	ad	Move Head	Locate or Diagnose Valve	Replace Valve	Replace Decoder or Node	Replace Valve Solenoid	Add Kain Sensor Replace 12" Pop	Miscellaneous	Miscellaneous		MATERIALS			
		Program	Head Type		ļ	Plant Iype	Run Time					#	air	air	Drip line	lac	lac	Replace	Replace	se/L	Add Head	le F	ate	olac	Jac .) ac	Add Kain Replace	9	e		MAIL			
		Po Po	Hea		١	Plan	Run		Lo	ocation		Zone #	Rep	Rep	Pri	Rep	Rep	Reg	Rep	8a 7	Ado	ğ		Rep	Reg	ž	Reg Add	Mis	⊠ -	232.75	60.00	292.75	24.15	316.90
Mν	_									ster Valve)		MV																		-	-	-	-	-
1		Α	MPR/E	BLR	T/T	Γr/B	20		W. OF SENNA	HILLS ALONG	2244	Z 1																		-	-	-	-	-
2		В	DRF)	T.	/B	20		NW. OF THE E			Z2			2															38.00	10.00	48.00	3.96	51.96
3	+	В	BLF		-	Γr	5	ISLA	AND AT FM 224			Z3																		-	-	-	-	-
4	_	В	BLF		_	Γr	5			F CONTROLLE		Z4						_												-	-	-	-	-
5 6	+	B B	DRF DRF		_	B B	20	MIC	ISLAND S. C DDLE OF ISLAN	D S OF CONT		Z5 Z6			3			-												57.00	15.00	72.00	5.94	77.94
7	+	В	DRF		-	в В	20		LAND AT 2244			Z7			2		_	\dashv												38.00	10.00	48.00	3.96	51.96
8	+	A	MPF		-	T T	20		SIDE AT 2244 /			Z8			_															-	-	-	-	-
9		A	SPY		-	Т	7		STRIP E. AT 22			Z9								1										14.25	1.00	15.25	1.26	16.51
10		Α	SPY	′	1	Т	7	SIDE S	STRIP NE. OF 2	244 AND SENN	A HILLS DR	Z10																		-	-	-	-	-
11	-	A	MPF				15			CONTROLLER		Z11						_												-	-	-	-	-
12	_	A	SPY				7			CONTROLLER		Z12													_					-	-	-	-	-
13 14	_	A A	MPF MPF		1		15 15			SE. OF PEON		Z13 Z14						_												-	-	-	-	-
15	_	A A	MPF		-	r T	15			AT PEONIA	IA .	Z14						-												-	-	-	-	-
16	+	A	MPF		_	T T	15			F PEONIA,		Z16						\dashv												_	_	_	_	_
17		A	MPF		-	Т	15			OF PEONIA		Z17																		-	-	-	-	-
18		Α	MPF	₹	1	Т	15		SW. C	OF PEONIA		Z18																		-	-	-	-	-
19	_	A	MPF		T,		15			CONTROLLER		Z19																		-	-	-	-	-
20	+	A	SPY		-	Т	7		W. AT 2244 AN			Z20				2		_							_					9.50	4.00	13.50	1.11	14.61
21 22	_	В	DRF		E	В	25		BEDS EAST	SIDE AT ENTR	!Y	Z21 Z22			4		_	\dashv							-					76.00	20.00	96.00	7.92	103.92
23												Z23						\dashv												-	-	-		-
24												Z24																		-	-	-	-	-
25												Z25																		-	-	-	-	-
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WATER ON



DA	ΙTΕ	9/21	1/2020)						CONT	ROLLER 2																						V	v LL
	s	М	T W	Th	F	s	ST	ΓART 1	START 2	START 3	START 4																			2-Contr	oller Loc:	ICC NE. AT PO	OOL BUILDING	
Α		X	X		X		12	2:00 AM																						2-Backt	low Loc:			
В	X		+	X	+		-	2:00 AM	7:00 PM																					2-Rain	Sensor?	YES		
		\vdash		+^			12		7.001101														Valve		ğ :	ੂ				Notes/C				
С		\vdash		+									Break	Lateral				ag		ဟ			Š	Je	Z	Solenoid	\ ×			Notes/C	oues.			
D		ш		1	-								P.	Lat		a		Head	jo.	ead Ea			Sol	Cover	e e	200	P 8	7	က					1 1
Ε													i ii l	e	Break	Z	Valve		Rotor	티논			Diagnose	Valve	8 .	Valve	Sensor Valve Bo						,	
		Program	Head Type			Plant Type	Run Time					Zone #	Repair Mainline	Repair Broken	Drip line Bre	Replace Nozzle	Replace Va	Replace Sp	Replace Rote	Raise/Lower Heads	Add Head	Move Head	Locate or D	Replace Va	Replace Decoder or Node	Replace Va	Add Kain Sensor Raise 6" Valve Box	Miscellaneous	Miscellaneous	JABOR	33.00	147.00	12.13	159.13
MV	_	_				<u>. </u>	Œ			ter Valve)		MV	ш.	-	-	-	ш.	-		- -	1	_	-	ш.	щ.		т.	_	-	- 114.00	33.00	147.00	12.13	159.15
1	_	A	SPY	,	+	T	14		•	SE. PLAYSCAP	F	Z1		-		-		1							-					23.75	5.00	28.75	2.37	31.12
2	+	A	SPY		+	T T	14		SIDE STRIP N			Z2						÷												-	-	-	-	-
3	_	A	SPY		_	В	14			OF PLAYSCAP		Z3				2														9.50	4.00	13.50	1.11	14.61
4		Α	SPY	′		Т	14	5	SIDE STRIP NW	. AT ACACIA BL	JD DR	Z4				3														14.25	6.00	20.25	1.67	21.92
5		Α	SPY	′		Т	14	5	SIDE STRIP NW	. AT ACACIA BU	JD DR	Z 5																		-	-	-	-	-
6		A	SPY		_	T	14		SIDE STRIP N	E. OF MILAGRO	DR .	Z 6																		-	-	-	-	-
7		A	SPY		_	В	14			E. OF MILAGRO		Z 7						_					ш							-	-	-	-	-
8	+	A	SPY		_	В	14			. AT MILAGRO	DR	Z8				_														-	-	-	-	-
9	-	Α	SPY		_	T	14			T MILAGRO		Z9									-									-	-	-	-	-
10	-	A	SPY		_	T -	14	-	OF INDIGO BE			Z10						-							-					-	-	-	-	-
11	_	A A	SPY SPY		_	T T	14 14		. OF INDIGO BE AND NW. AT HEI			Z11 Z12		-	-	2		-			+		\vdash		-			-		9.50	4.00	13.50	- 1.11	14.61
13	-	A	SPY		_	B	14	NE. A		ELLIOTROPE AN	DISLAND	Z13		\dashv	\dashv	_		_					Н		-					9.50	- 4.00	-	- 1.11	- 14.01
14	+	A	SPY		_	T T	14		SIDE STRIP NW		OPE	Z14				1				1										19.00	3.00	22.00	1.82	23.82
15	+	A	SPY			T	14			N. OF VERVAI		Z15																		-	-	-	-	-
16		В	SPY	′		Т	10		South east of	corner of Rivian	a	Z16																		-	-	-	-	-
17		В	SPY	′	Т	/B	10		SE. AND SV	V. AT RIVINA D	R	Z17																		-	-	-	-	-
18		В	MPF	₹		Т	20		SW. A	T VERVAIN		Z18						1												23.75	5.00	28.75	2.37	31.12
19		В	MPF	₹	T	/B	20		SE. AT VERV	'AIN AND ISLAN	ID	Z19																		-	-	-	-	-
20	+	В	SPY		_	T	10			F VERVAIN		Z20				3		_							_					14.25	6.00	20.25	1.67	21.92
21	-	В	MPF		_	T	18			IGO BROOM		Z21				_		_							_					-	-	-	-	-
22	+	В	MPF		_	T	18			MILAGRO		Z22						_							-					-	-	-	-	-
23 24	+	B B	SPY MPF		_	/B T	10 18			IGO BROOM		Z23 Z24				-					-									-	-	-	-	-
25	+	В	MPF		+	<u>'</u> T	18			ndigo Broom PLAYSCAPE		Z25		-		\dashv		-										-		-	-	-	-	-
26	+-	В	MPF		-	<u>'</u> Т	18			PLAYSCAPE		Z26			_	\dashv		_			+				-			+			-	-	-	
27	_	В	MPF		_	. T	18			IGO BROOM LI		Z27			_	_												-		_			_	
28	+	В	SPY		_	T T	10			CACIA BUD		Z28																		_	-	-	_	-
29	+	В	SPY		_	T	10			LAYSCAPE		Z29		\neg				\dashv												-	-	-	-	-
30		В	MPF	₹		Т	18		SE. OF I	PLAYSCAPE		Z30											П							-	-	-	-	-
31		В	SPY			Т	10		SW. AT IND	IGO BROOM L	-	Z31																		-	-	-	-	-
32		Α	SPY	′		Т	12		NW. AT INC	IGO BROOM L	Р	Z32																		-	-	-	-	-
33					1							Z33											Ш							-	-	-	-	-
34					1							Z34		_				_					Ш							-	-	-	-	-
35												Z35																		-	-	-	-	-

WATER ON



D	ATE	: 9/2	1/20	20							CONT	ROLLER 3	3																						V	<i>/</i>
	s	М	ТΙ	w	Th	F	s	S	TART 1	START 2	START 3	START 4																				3-Contr	roller Loc:	ICC LEFT SIDE	E OF POOL #3	112
4		Х		х		Х			:00 PM									ļ														3-Backt	flow Loc:	SOUTH WEST	CORNER INSI	DE OF
E		^		$\stackrel{\sim}{\rightarrow}$		<u> </u>		_										ļ															Sensor?	POOL YES		
	_			_														ļ							Valve		ğ	◛								
C	_													Break	<u>a</u>			ļ	2			m			>	ē	Z	<u>ا</u> ۵				Notes/C	odes:	POTABLE WA	TER AROUND	POOL 220
)													ä	ate			ļ	Head		to	ad			lose	8	ie .	Solenoid	٦ -	7	က	ļ ,				
E														line	e l	쓪	Zee	ě	á	ō	8	Ť			agr	e	8		Sensor	Sn	l) Si			1		
Ī	Ĩ		l	σ.			o o	Î		•			Ī	Repair Mainline	Repair Broken Lateral	Break	Replace Nozzle	Replace Valve	Replace Spray	Rotor	Replace MP Rotor	Raise/Lower Heads	p	ad	Locate or Diagnose	Replace Valve Cover	Replace Decoder or Node	Replace Valve	Add Rain Senso Miscellaneous 1	Miscellaneous	Miscellaneous	&		1		
		ä		Head Type		١,	Plant Type	Run Time					#	Ξ	i ⊟	Drip line	ace	ace	ace	Replace F	асе	»/Lc	Add Head	Move Head	te o	ace	ge	ace	Add Rain 3	ella	e a	LABOR	ŀ	1		
		Program		ead			ant	<u>۔</u>					Zone #	ebs	ebs	ē	eple	eb	epl	eple	epl	aise	pp	love	oca	eb	e bl	eb	dd Si	liso	is.					
ļ.,	_	<u> </u>		Ĭ		i		œ			ocation		_	<u>~</u>	2		<u> </u>	<u> </u>	22	2	2	~	⋖	2	۲	<u>«</u>	<u>د</u> ا	Y	∢ ≥	2	2	256.50	73.00	329.50	27.18	356.68
M		^		SPY		-	/D	45	TUD	•	ster Valve)	CDOLIND	MV Z1				2	-	-													- 0.50	-	- 12.50	- 1 11	- 14.64
2		A A	-	SPY		_	/B B	15 15	TUR	F BEDS RIGHT	H OF THE POO		Z1 Z2				-								D							9.50 95.00	4.00 25.00	13.50 120.00	1.11 9.90	14.61 129.90
3		A	-	RTR		_	<u>Б</u> Т	25			OF POOL ARE		Z3					+	\vdash						-							- 93.00	-	-	-	-
4	_	A	_	SPY		_	/B	12			WEST ENTRY		Z4				2		1													33.25	9.00	42.25	3.49	45.74
5	,	A	F	RTR			Т	25	BETW	EEN PARKING	LOT AND TENN	IIS COURT	Z 5																			-	-	-	-	-
6	;	Α		SPY			В	12		SOUTH OF	PLAYGROUND	*	Z 6																			-	-	-	-	-
7		Α		SPY		Т	/B	12		WEST OF BAS	SKETBALL COL	RT	Z 7				3															14.25	6.00	20.25	1.67	21.92
8	_	A	_	SPY		_	/B	12		SOUTH WEST			Z8												D							95.00	25.00	120.00	9.90	129.90
9	_	Α .		SPY			<u>T</u>	12		SOUTH INSIDE			Z9					_														-	-	-	-	-
10		A	_	SPY		_	В	12		SOUTH WEST		ND *	Z10					\vdash	-								-					-	-	-	-	-
1:		A A	_	SPY SPY		-	B //B	12 12			Y CONTROL* ACK OF POOL		Z11					\vdash	 											-		-	-	-	-	-
1:	-	A	-	SPY		_	T	12			E PLAYGROUN	D	Z13	-					\vdash													-		-		-
14	-	A	_	RTR			T T	25			ENNIS COURT		Z14	_																		-	-	-	-	-
1	_	Α	_	SPY			Т	12			OF PLAYGROU		Z15	_																		-	-	-	-	-
10	3	Α		SPY			Т	12		WEST AT	PLAYGROUND		Z16				2															9.50	4.00	13.50	1.11	14.61
1	_												Z17																			-	-	-	-	-
18	_												Z18	_																		-	-	-	-	-
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3	5												Z35																			-	-	-	-	-

WATER ON



D	\TE	9/2	1/20	020						CONT	ROLLER 4																						V	V LL
	S	М	Т	w T	h F	S	ST	ART 1	START 2	START 3	START 4																			4-Contr	oller Loc:	PRO-C N. AT (DR. HUNTER I	GILIA AND SEI	NNA HILLS
Α		Х		Х	X		12	:00 AM	7:00 PM																					4-Backt	flow Loc:			
В		X		X	X		2:	00 AM															ω		a l		age			4-Rain	Sensor?	YES		
C		H			+								ایا	_									 		g g	3	\ e_r			Notes/C				
													real	era				Head		ျှေ			e	Cover	or or	2	ပိ	×		110100/1				
D		\vdash			-								e B	La		<u>o</u>		포	. 5	leac See			👸	ပ္ပို	der	3 2	Į į	Be	က	I	1	ı	ı	1
Е													nlin	ķ	reak	ozz	alve	pra	Rotor	e F		5	Jiag	alve	600	Sensor		alve	sno					
		_		<u>6</u>		pe J	<u>e</u>						Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray	ک ک و و	Raise/Lower Heads	ad	Move Head	Locate or Diagnose Valve	Replace Valve	Replace Decoder or Node	. i	Add 25' of Drip for Coverage	Raise 6" Valve Box	Miscellaneous 3	LABOR				
		Program		Head Type		Plant Type	Run Time					#	pair	pair	Ë	plac	plac	plac	Replace	se/I	Add Head	Ve F	ate	plac	plac	Add Bain	d 25	ise (les	\AL				
		5 C		Hea		<u>P</u>	Rur		Lo	ocation		Zone #	Re	Re	P	Re	Re	- Re	Se G	Ra R	Ag	8	ا دّ ا	Re	Re g	2 0	A A	Ra	ĭ≌	365.75	239.00	604.75	49.89	654.64
M۱									(1)	NO MV)		MV																		-	-	-	-	-
1	+	A	-	SPY	-	В	10			IA AND SENN		Z 1																		-	-	-	-	-
2	+	A	-	SPY		T	10	SIDE		GILIA AND SENI	NA HILLS	Z2		_				_					Н							-	-	-	-	-
3	+	A	_	SPY SPY	_	T T	10 10	NIVA		LONG GILIA ILIA AND SENN	Δ HII I S	Z3 Z4		\dashv	$\overline{}$	3		_					Н							14.25 19.00	6.00 8.00	20.25 27.00	1.67 2.23	21.92 29.23
5	+	A	_	SPY	_	T T	10	144		LONG GILIA	ATIILLO	Z5		\dashv		-														-	-	-	-	-
6		A		SPY		Т	10		SIDE STRIP	NE AT RIVINA I	DR .	Z6																		-	-	-	-	-
7		A	_	SPY		T	10			STRIP RIVINA	DR	Z 7					1.5"						L							332.50	225.00	557.50	45.99	603.49
8	+	Α	_	SPY		В	10			RIVINA DR)		Z8																		-	-	-	-	-
9	_	A B	_	SPY	_	B T	10 20			W. OF RIVINA D		Z9 Z10																		-	-	-	-	-
10	+	<u>в</u> В	_	DRP	_	T T	20	Г		ALONG THE FE		Z11		-		\dashv															-	-	-	-
12				DIG		•			OIDE OTTAI	TVE. OF TUVIE		Z12		_																-	-	-	-	-
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WATER



D	ATE	9/2	1/2020)						CONT	ROLLER 5							-																V	<i>/</i>
	s	М	тw	Th	F	s	ST	ART 1	START 2	START 3	START 4																				5-Contr	roller Loc:	I-CORE NE. OF ENTRENCE BY	F W. SENNA H	ILLS
	-	X		X	Ė	Х	_	:00 AM	0174112	0174110	0174111	1																			5-Back	flow Loc:	ENTRENCE BY	RUAD	
Α	_	X		^		Х						-																					VEO		
В	_	^		^		^		00 PM				-												Valve	over	م الج						Sensor?	YES		
C	: X		X		Х		8:0	00 AM					쓪	<u>a</u>				р						>	رة غ						Notes/0	odes:			
													Bre	ate				Head		<u>5</u>	ags			se l	کِ ا	Solenoid	Ļ								
Е													in e	<u>ا</u>	쑮	Zle	é	ay l	5	Rotor	밀			g)	9 5	e S	Sensor	l St	us 2	us 3					
		Program	Head Type	•		riant i ype	Run Time					Zone #	Repair Mainline Break	Repair Broken Lateral	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray	Replace Rotor	Replace MP	Kaise/Lower Heads	Add Head	моле пеад	Locate or Diagnose	Replace Valve Cover	Replace Valve	Add Rain Se	Miscellaneous 1	Miscellaneous	Miscellaneous	LABOR				
		<u>.</u>	ž		ā	Ĭ	Ŗ			cation		_	ď	ď	۵	ď	Ř	Ř	Ř	ر م	ř	₹ 2	≥	١ ت	řò	Z Z	Ĭ	Σ	Σ	Σ	148.83	103.00	251.83	20.78	272.61
M										ter Valve)		MV																			-	-	-	-	-
1		/B	MPF		1		20			F CONTROLLE		Z1												_					-		-	-	-	-	-
3		/B	MPF		7	Γ	20			OF CONTROLL		Z2 Z3							_	_	-	_	+	. +		+			\dashv	-	-	- 75.00	- 470.00	-	-
4	_	/B /B	MPF MPF				20 20		DDLE ISLAND N I. OF ISLAND N			Z4						-		_	+		+	L		+	-		\dashv	\dashv	95.00	75.00	170.00	14.03	184.03
5		/В	MPF		1		20	IN		FISLAND	ILLER	Z5							-				+	-					-		-		-		-
6	_	/B	MPF		1		20			SE. OF GILIA		Z6											+						_		_	_	-	_	_
7	_	/B	MPF		1		20			E. OF GILIA		Z 7											_								-	-	-	-	-
8	\rightarrow	/B	MPF		1		20			NE. OF GILIA		Z8																			-	-	-	-	-
9	/	/B	MPF	₹	1	Г	20		ISLAND I	NE. OF GILIA		Z9																			-	-	-	-	-
10) /	/B	MPF	₹	1	Γ	20		ISLAND S	W. OF RIVINA		Z10																			-	-	-	-	-
11	_	/B							(OPEN		Z11																			-	-	-	-	-
12	_	/B	MPF		1		20			ER ISLAND		Z12																			-	-	-	-	-
13		/B	MPF		1		20			ER ISLAND		Z13																			-	-	-	-	-
14	_	/B	MPF		1		20			ER ISLAND		Z14												_					_		-	-	-	-	-
15	_	/B	MPF SPY		7		20 10			ER ISLAND OF ISLAND		Z15 Z16				2							-	-		+			\dashv		-	-	- 40.50	- 444	-
17	_	/B /B	SPY				10			OF GILIA		Z17											+	-			1		\dashv		9.50	4.00	13.50	1.11	14.61
18	_	/В	MPF			_	20			OF GILIA OF GILIA		Z18							_	-			+	-					\dashv	_	-		-		-
19	_	/B	MPF		1		20			OF GILIA		Z19																	_		-	_	-	_	-
20	_	/B	MPF	₹	1	Г	20			OF GILIA		Z20																			-	-	-	-	-
2	1	/B	MPF	₹	1	Г	20		SE.	OF GILIA		Z21								1											15.83	15.00	30.83	2.54	33.38
22	2 /	/B	MPF	₹	1	Γ	20		SW.	OF GILIA		Z22																			-	-	-	-	-
23		С	DRF	>	Е		20			GILIA BEDS		Z23			1																19.00	5.00	24.00	1.98	25.98
24	_	/B	MPF		1		20			OF GILIA		Z24																			-	-	-	-	-
25		/B	MPF		1		20			CONTROLLER		Z25											_	_					_	_	-	-	-	-	-
26	_	/B	SPY		1	Г	10		W. AND SW. A	T CONTROLLE	RS	Z26				2				_		_	_	_		_	-		_		9.50	4.00	13.50	1.11	14.61
27	_											Z27											_						_		-	-	-	-	-
28	_											Z28 Z29																	\dashv		-	-	-	-	-
30												Z29 Z30											+						\dashv		-	-	-	-	-
3	_											Z31								\dashv			+	+					\dashv		-		-		-
32	_											Z32											Ť						\dashv		-	-	-		_
33												Z33																	\neg		-	-	-	-	-
34												Z34																			-	-	-	-	-
35	5											Z35																			-	-	-	-	-

WATER ON

IRRIGATION SYSTEM RUN THROUGH REPORT



DATE: 9/21/2020

CONTROLLER 6

	`	. 0,2	1/2020	,						CONT	ROLLER 6																							
	S	М	TW	Th	F	S	ST	ART 1	START 2	START 3	START 4																			6-Cont	roller Loc:	I-CORE NE of	W. Senna Hills	
Α		Х		X		Х	7:0	00 PM																						6-Back	flow Loc:			
В	Х		X	+			12	:00 AM																.						6-Rain	Sensor?	YES		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_	+	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			-	0.00.514															v dive	ŏ	<u>.</u>						120		
С		X	X	_	X	Х	5:0	00 AM	9:00 PM				Repair Mainline Break	<u> </u>				g			, l			בַּ כַּ	or Node	Solenoid		בַ		Notes/0	Jodes:			
D													Bre	Lateral				Fee		ġ i	age			Cover	, E	18	ا ي	7						
Е													ine	[쑱	Ze	e	<u>~</u>	5	Rotor	Heads			g d	g	e e	usc	ر ا						
					1							J I	in	Repair Broken	Break	Nozzle	Valve	Spray	Rotor	₽	ē	_ .	ع ا	Cocate or Diagnose Replace Valve Cove	Decoder	Valve	Sensor	Miscellappons 2	Miscellaneous					
		ے ا	ype			8	e						ž	ឆ្	<u>e</u>	<u>و</u>	g	g	<u>e</u>	e	9	eac	ğ E	5 6	g g	, g	ain	= <u>c</u>	<u>a</u>	LABOR				
		gra	Ē		!	=	į					#	pair	pai ∣	₽	blac	plac	Bac	blac	Replace MP	se/	Add Head	Move Head		ba la	bac	Add Rain	g	S S	\A.				
		Program	Head Type		;	riant i ype	Run Time		Lo	ocation		Zone #	Re	&	Drip line	Replace I	Replace	Replace	Replace	8 G	g Y	ğ :	8 .	Replace 1	Replace	Replace \	Ad.	2 2	Ϊ́Ξ	408.50	123.00	531.50	43.85	575.35
MV										ster Valve)		MV									T									-	-	-	-	-
1	-	VВ	SPY	′	1	Г	8	SIDE	,	WEEN RIVINA A	ND GILIA	Z 1																		-	-	-	-	-
2	1	VВ	SPY	′		Т	8	SIDE	STRIP W. BETV	WEEN RIVINA A	ND GILIA	Z2																		-	-	-	-	-
3	A	VВ	SPY	<u> </u>	Т	/B	8	SIDE S	TRIP W. B/W RI	IVINA AND GILI	A UP WALL	Z 3				2														9.50	4.00	13.50	1.11	14.61
4	I	VВ	SPY	1		Г	8		WEST OF RI	IVINA LEFT SID	E	Z 4																		-	-	-	-	-
5	F	VВ	MPF	٦		Γ	12		WEST OF AL	ONG OF STREE	ET	Z 5																		-	-	-	-	-
6	P	VВ	MPF	٦_		Г	12		WEST	T OF GILIA		Z6																		-	-	-	-	-
7	A	VВ	MPF	₹	<u> </u>	Г	12		WES1	T OF GILIA		Z 7																		-	-	-	-	-
8	F	VВ	MPF	₹	_	Т	12		WEST ALO	NG OF STREET	-	Z 8																		-	-	-	-	-
9		VВ	MPF		_	Γ	12			OF STREET		Z9																		-	-	-	-	-
10	F	VВ	MPF		-	Γ	12			SIDEWALK		Z10																		-	-	-	-	-
11	+	VВ	MPF		+	Γ	_	ALONG O		BETWEEN GILIA		Z11					_	_			4									-	-	-	-	-
12	_	VВ	MPF		+	Г	12			op Hill		Z12																		-	-	-	-	-
13	_	VВ	MPF		_	Γ	12	ALON		LL WEST OF C		Z13			_			_		_										-	-	-	-	-
14	_	VB	MPF		_	T	12			F SIDEWALK		Z14																		-	-	-	-	-
15	+	VB	MPF		+	/B	12			OF SIDEWALK		Z15								-	-	-		_	+					-	-	-	-	-
16	-	VB	MPF		+	/B T	12 12			WALL ENTRY		Z16 Z17						-		_	+	_			-					-	-	-	-	-
17 18	_	VB C	MPF DRF		_	1 3	25			OF WALL		Z17			1				-	-				-	+					19.00	5.00	24.00	1.98	25.98
19	+	VB	MPF		_	э Г	12			DE OF ENTRY	T	Z19			-			-												19.00	5.00	- 24.00	1.96	25.98
20	-	VB VB	MPF		-	Г	12			T UP HILL		Z20						-												-	-	-	-	-
21	-	VB	MPF		+	Г	12			IDE AT THE EN	TRY	Z21						_				+		5						95.00	25.00	120.00	9.90	129.90
22	-	VB	MPF		-	' Г	12			SIDE ENTRY		Z22	1.5"					\dashv					- '							237.50	75.00	312.50	25.78	338.28
23	-	VB	MPF		_	<u>'</u> Г	12			RONT OF THE S	ING	Z23	5					\dashv												-	-	-	-	-
24	-	VB	MPF		_	Г	12			F SIDE BY RD	-	Z24																		-	-	-	-	-
25		С	DRF	>		3	30			IDE AT THE EN	TRY	Z25			2			\neg												38.00	10.00	48.00	3.96	51.96
26	1	VB	SPY	1	+	Г	10			SIDE ENTRY		Z26																		-	-	-	-	-
27		С	DRF	>		3	30		EAST SIDE FR	RONT OF THE S	ING	Z27																		-	-	-	-	-
28	A	VВ	MPF	٦_		Г	12		FRONT O	F SIDE BY RD		Z28																		-	-	-	-	-
29	F	VВ	SPY	1		Γ	10		CENTER ISI	LAND AT ENTR	Y	Z29				2														9.50	4.00	13.50	1.11	14.61
30		В	DRF	>		3	20		CENTER IS	SLAND ENTRY		Z30																		-	-	-	-	-
31												Z31																		-	-	-	-	-
32												Z32																		-	-	-	-	-
33												Z33						_												-	-	-	-	-
34					_							Z34						_												-	-	-	-	-
35												Z35																		-	-	-	-	-

WATER ON

Z35

IRRIGATION SYSTEM RUN THROUGH REPORT



DATE: 9/21/2020

В С D S | M | T | W | Th | F | S |

MPR

MPR

Α

START 1

12:00 AM

Run Time

30

30

START 2

10:00 PM

Location (Master Valve)

BETWEEN PEONIA AND BROOM

BETWEEN PEONIA AND BROOM

	CONT	ROLLER 7																								V	۷ L L
	START 3	START 4																					7-Cont	roller Loc:	CORNER OF	PEONIA IN SE	NNA HILLS
Ī																							7-Back	flow Loc:			
t															_n		a)						7-Rain	Sensor?	YES		
+															Locate or Diagnose Valve		Replace Decoder or Node	pi					Notes/0				
4				Repair Mainline Break	Repair Broken Lateral				g			S			>	ē	Z	Replace Valve Solenoid					Notes/	Codes:			
1				ā	ate				P		호	ad			Soc	ုဒ္ပ	ē	Sol	or	_	_	3					
				<u>i</u>	딞	쓩	ZZ	l e	a,	jo	윤	Ť			agr	ě	g	ve	sus	Sn	ns,	ns ;					
			l	aj.	췯	Bre	Ž	\al	S	8	₹	we	ъ	ad	ē	Val	De	Val	Se	92	96	9	æ				
				.≒	.⊨ B	l e	Se le	9	e e	8	<u>8</u>	,Lo	lea	뿐	e 0	e e	ge	ıce	Rair	<u>a</u>	<u>a</u>	la l	LABOR				
			Zone #	ba	ba	Drip line Break	Replace Nozzle	Replace Valve	Replace Spray Head	Replace Rotor	Replace MP Rotor	Raise/Lower Heads	Add Head	Move Head	cat	Replace Valve Cover	glde	eple	Add Rain Sensor	Miscellaneous 1	Miscellaneous 2	Miscellaneous 3	<u> </u>				
0	cation		20	짪	짪	ے	~~	~~	~~	~	<u> ~</u>	R	Ac	ž	2	ď	ď	Re	Ac	Σ	Σ	Σ	-	-	-	-	-
_	er Valve)		MV																				-	-	-	-	-
_	NIA AND BRO		Z 1				_		\vdash		Ш												-	-	-	-	-
Ξ	NIA AND BRO	OM	Z2				_		\vdash		\sqcup				<u> </u>								-	-	-	-	-
_			Z3				<u> </u>		\vdash		$\vdash \vdash$										-		-	-	-	-	-
			Z4 Z5						\vdash	\vdash	$\vdash\vdash$												-	-	-	-	-
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			Z7						Н		\vdash														-	-	-
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			Z25																				-	-	-	-	-
			Z26																				-	-	-	-	-
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			Z32						\vdash		Н												-	-	-	-	-
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Senna Hills IRRIGATION SYSTEM PROGAM SUMMARY



DATE: 9/21/2020

CONTROLLER 1

	S	М	Т	W	Th	F	S	START 1	START 2	START 3	START 4
Α		Х		Х		Х		1:00 AM	9:00 AM		
В			Х		Х		Х	1:00 AM	9:00 PM		
С											
D											
Е											
										WATER	ON
1-Co	ontro	ller	Loc:					ICC W. ALOI 2244 AND P	NG SENNA H EONIA	LLS DR BET	WEEN
1-Ba	ackfl	ow L	oc:								
1-Ra	ain S	enso	or?					YES			

CONTROLLER 2

	S	М	Т	W	Th	F	S	START 1	START 2	START 3	START 4
Α		Χ		Х		Х		12:00 AM			
В	Х				Х			12:00 AM	7:00 PM		
О											
D											
Е											
										WATER	ON
2-C	ontro	ller	Loc:				ICC NE. AT	POOL BUILE	DING		
2-Ba	ackfl	ow L	.oc:								
2-Ra	ain S	ensc	or?					YES			

CONTROLLER 3

	S	М	Т	W	Th	F	S	START 1	START 2	START 3	START 4
Α		Х		Х		Х		8:00 PM			
В											
С											
D											
Е											
									WATER	ON	
3-C	ontro	ller	Loc:				ICC LEFT S	IDE OF POO	L #3412		
3-Ba	ackfl	ow L	oc:				SOUTH WE	ST CORNER	INSIDE OF	POOL	
3-Ra	ain S	ensc	or?					YES			

CONTROLLER 4

						•					
	S	М	Т	W	Th	F	s	START 1	START 2	START 3	START 4
Α		Х		Х		Х		12:00 AM	7:00 PM		
В		Х		Х		Х		2:00 AM			
С											
D											
Е											
									WATER	ON	
4-Co	ontro	ller	Loc:				PRO-C N. AT HUNTER PR	GILIA AND	SENNA HILL	S DR.	
4-Ba	ackfl	ow L	oc:								
4-Ra	ain S	ensc	or?					YES			

CONTROLLER 5

	S	М	Т	W	Th	F	S	START 1	START 2	START 3	START 4
Α		Х			Х		Х	12:00 AM			
В		Х			Х		Х	7:00 PM			
С	Х		Х			Х		8:00 AM			
D											
Е											
										WATER	ON
5-C	ontro	ller	Loc:				I-CORE NE. BY ROAD	OF W. SEN	NA HILLS EN	TRENCE	
5-Ba	ackfl	ow L	.oc:								
5-Ra	ain S	ensc	or?					YES			

CONTROLLER 6

S M T W Th F S START 1 START 2 START 3 A X X X X 7:00 PM B X X X 12:00 AM C X X X X 5:00 AM 9:00 PM E	START 4			
B X X X 12:00 AM C X X X X 5:00 AM 9:00 PM D				
C X X X 5:00 AM 9:00 PM				
D				
E				
WATER	ON			
6-Controller Loc: I-CORE NE of W. Senna Hills	I-CORE NE of W. Senna Hills			
6-Backflow Loc:				
6-Rain Sensor? YES	YES			

CONTROLLER 7

	S	М	Т	W	Th	F	S	START 1	START 2	START 3	START 4
Α			Х		Х		Х	12:00 AM	10:00 PM		
В											
С											
D											
Е											
							WATER	ON			
7-Controller Loc:					CORNER OF PEONIA IN SENNA HILLS						
7-Backflow Loc:											
7-Rain Sensor?					YES						

IRRIGATION WORK ORDER PROPOSAL

DATE: 9/21/2020

WATER	ON
POTABLE?	NO

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



CUSTOMER INFORMATION

Property Name: Senna Hills Management Company: Goodwin Management

Address 1: Bee Caves and Senna Hills Dr Contact Name: Carrie Martin

Address 2: Senna Hills, TX 78733 Contact E-Mail: carrie.martin@goodwintx.com

Other Info: Irrigation Only Contact Phone: 512-348-0448

Irrigation Manager: Daniel Michael McVey Clar		LABOR/I	MACHINE	MATER	TOTAL			
REQUEST FOR REPAIRS	QUANTITY	Man Hours	Man Hours	Labor Cost	Labor Cost	Material Cost	Material Cost	Total
negoest for herains		(Per Repair)	Total	(Per Hour, \$)	Total (\$)	(Per Repair, \$)	Total (\$)	Labor/Material
Raise or Lower Heads to Improve Coverage	2.00	0.15	0.30	95.00	28.50	1.00	2.00	\$ 30.50
Replace MP Rotor	1.00	0.17	0.17	95.00	15.83	15.00	15.00	\$ 30.83
Replace Spray Head	3.00	0.25	0.75	95.00	71.25	5.00	15.00	\$ 86.25
Replace Nozzle	37.00	0.05	1.85	95.00	175.75	2.00	74.00	\$ 249.75
1.5" Main Line Break Repair	1.00	2.50	2.50	95.00	237.50	75.00	75.00	\$ 312.50
Drip Line Break	15.00	0.20	3.00	95.00	285.00	5.00	75.00	\$ 360.00

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:		

TOTAL	1,158.09
TAX	88.26
SUBTOTAL	1,069.83
LABOR TOTAL	813.83
MATERIALS TOTAL	256.00