

<b>Drinking Water</b>	<b>age</b>	<b>Sewer Stations</b>	<b>age</b>		
Shop Tank		U.S. 23			
Pump house		telemetry			
2 booster pumps/motor combo					
1 fire pump w/motor		Bayberry			
telemetry					
		Walnut	pre 1999		
Barker lane tank	1993	telemetry			
Radio building					
telemetry		Hamor			
Fire repeater		telemetry			
Automatic start generator		2 pits			
1458 Booster station	1993	audobon			
Pump house		telemetry			
2 pumps w/ motors					
2 ross valves		thompson rd	2015		
telemetry					
		espy	pre 1999		
Oaks tank	2012	Telemetry			
Telemetry					
Caroline Booster station	2012	avery	pre 1999		
Pump house		telemetry			
2 pump/motor combo					
Telemetry		High school			
1458 Pressure reducing station		primary			
Reid St Pressure reducing station					
		Caroline	pre 1999		
		2 submersible pumps	2016		
<b>Shop</b>		check valve pit			
Main Building					
Garage					
Salt Bin					

Shop Tank		500,000 gal	Russell feed. serves 350 meters and interconnect with raceland	base = 742ft overflow - 805ft height to overflow = 63ft
Pump house				
2 booster pumps/motor combo				
1 fire pump w/motor		1250 gpm		
telemetry				
Barker lane tank	1993	250,000 gal	Ashland feed. Serves 596 meters, can interconnect with russell feed at Thompson rd	base = 862.76ft overflow = 907.76ft gallons per ft = 5,555 height to overflow = 45ft gpm avg. = 72 gpm goal = 60
Radio building				
telemetry				
Fire repeater				
Automatic start generator				
1458 Booster station	1993			
Pump house				
2 pumps w/ motors				
2 ross valves				
telemetry				
Oaks tank	2012	470,000 gal	Russell feed. Serves 75 meters. Interconnects with Wurtland and serves 544 meters	base = 852.50ft overflow = 935ft gallons per ft = 5,697 height to overflow = 82.5ft gpm avg w/o Wurtland = 8 gpm goal =
Telemetry				
Caroline Booster station	2012			
Pump house				
2 pump/motor combo				
Telemetry				

**Station**

All booster stations

**Date**

Nov-18

**Repairs Made**

greased pumps

## Flatwoods Sewer

	A	B	C	D	E	F	G	H	I
1	Station		section	subsection	Manholes				bypass level
2	Audobon		S5	M1-M4	33	Connects to Caroline Force Main(to GCEC	20ft		
3	Avery		S1	M15	14	Dumps to S1 M6 #5	2,010ft	Gravity to GCEC	
4	Bayberry		S6	M4	0	Dumps to S6 M4 #2	1,196ft	Gravity to Walnut	
5	Caroline		S3	M1	196	Stays Force main(to GCEC)	19,049ft		
6	Espy		S2	M1-M7	102	Stays Force main(to GCEC)	3,751ft		3.2
7	Hamor		S4	M1-M5	87	Stays Force main(to GCEC)	2,312ft		
8	High School		S1	M15	6	Dumps to S1 M15 #20	2,131ft	Gravity to GCEC	
9	Primary School		S1	M15	6	Dumps to High School	310ft	Dumps to High School	
10	Thompson Rd				5	Dumps to S2 M3 #12	1,290ft	Gravity to Espy	
11	U.S. 23		S7	M1-M2	28	Dumps to S1 M12 #25	40ft	Gravity to GCEC	7.4
12	Walnut		S6	M1-M5	78	Dumps to S1 M10 #15	3,100ft	Gravity to GCEC	8.8
13									
14									
15	S1 total manholes	288							
16	S2	107							
17	S3	196				Gravity sewer			256,525ft
18	S4	96				Force Main			34,100ft
19	S5	39				Toltal manholes			859
20	S6	79							
21	S7	28							
22	S8 total manholes	21							
23	Thompson Rd	5							
24									
25	total	859							

<b>single family grinder pumps</b>	<b>Date</b>
1104 Deschum st(city)	2013
2513 Reed st (park)(city)	2002
2707 Reed st (ball field)(city)	2000
2527 Renee	2007
2904 Indian run rd	2011
1779 Reid st	2006
1501 Lexington ave(bowmans)	pre 1999
508 Poplar st	2015
492 Poplar st	2017
1423 Conlon st	2012
2940 Thornhill dr	
2803 Foxhunter Rd	
1035 Fairway dr.	2017
1359 Fairway dr.	2015
3019 Foxridge ct	pre 1999
3059 Foxridge ct	"
3030 Foxridge ct	"
3050 Foxridge ct	"
3060 Foxridge ct	"
3070 Foxridge ct	"
3080 Foxridge ct	"
901 Oaks dr	"
913 Oaks dr	"
917 Oaks dr	"
925 Oaks dr	"
929 Oaks dr	"
932 Oaks dr	"
936 Oaks dr	"
1000 Oaks dr	"
Total = 29	
each = \$ 6,254.00	
replacement cost = \$181,366.00	

Section	# of Manholes				Section	# of Manholes	
S1 M1	18				S4 M1	20	
M2	15				M2	19	
M3	9				M3	18	
M4	13				M4	20	
M5	12				M5	19	
M6	27						Feet of Pipe
M7	22				Total	96	
M8	20						
M9	19				S5 M1	5	
M10	21				M2	8	
M11	24				M3	13	
M12	23				M4	13	
M13	19						Feet of Pipe
M14	16				Total	39	
M15	30						
		Feet of Pipe	Size		S6 M1	13	
		61,780	8		M2	13	
		305	10		M3	19	
		9,115	12		M4	15	
		1,320	20		M5	19	
Total	288						Feet of Pipe
S2 M1	15						
M2	18						
M3	16						
M4	14				Total	79	
M5	19						
M6	19				S7 M1	17	
M7	6				M2	11	
		Feet of Pipe	Size				Feet of Pipe
Total	107				Total	28	
S3	196				S8 M1	21	
							Feet of Pipe
					Total	21	
Thompson rd	5						
						SYSTEM	
					Total	859	

Street	section	bottom of hole	top of hole	lid thickness	top of lid
Espy	S2/m7/03	22 1/2	22 5/8	7/8"	22 5/8
Hamer	S4/m5/03	22 3/4	23	1 1/2	22 3/4
Hamer	S4/m5/05	22 1/2	22 7/8	1 1/2	22 3/4
Hamer	S4/m5/06	22 3/8	22 5/8	1 1/2	22 3/4
Hamer	S4/m5/6B	22 1/2	22 7/8	1 3/8	22 3/4
Hamer	S4/m5/08	22 1/2	22 7/8	1 1/2	22 3/4
Hamer	S4/m5/14	22 5/8	22 7/8	1 1/2	22 3/4
Tacoma					
Tacoma					
Tacoma					
Wilburn	S1/m9/06	23 1/4	23 1/2	1"	23 5/8

Station	diameter	Depth	seal	Check Valve	HP	GPM	TDH	Station serial #	year installed	Life
Audobon	6ft	17ft	2 1/8	6in	30	533	103	16-6860 - K	2000	
Avery	10ft	8ft	1 7/8	4in	15	100	90	16-5185-H	1994	
Bayberry	6ft	12ft	1 7/8	4in	7.5	82	59	16-6698-K	2000	
Caroline	8ft	15ft	N/A							
Espy	6ft	6ft	3in	6in	40	600	130	16-4306-	1991	
Hamor	8ft	17ft	1 7/8	4in	15	300	85	16-6639-F	1999	
High School	8ft	14ft	1 7/8	4in	5	212	48	16-6146-C	2000	
Primary School	6ft	8ft	N/A	N/A					1997	
Thompson Rd	5ft	16ft	1 7/8	4in	7.5	100	64	16-09113-00-N	2015	
U.S. 23	4ft	14ft	1 7/8	4in	2	250	14	FX-01023-00-V	2002	
Walnut	6ft	15	2 1/8	6in	25	330	133	16-4117-	1990	



## Station

all stations  
Audobon  
Bayberry  
u.s 23  
Hamor

## Date

Nov-18  
1/7/2019  
1/17/2019  
1/24/2019  
1/30/2019

## Repairs made

greased all pumps  
replaced vacuume bowl  
cleaned vacuum solenoid  
cleaned impeller on pump 1  
cleaned impeller on pump 2

## Grinder pump repair

Address	Date	Repairs Made
913 Oaks Dr	1/3/2019	replaced pump and cap kit, needs new control panel
508 Poplar st	1/3/2019	old cap kits were for wrong pump the city installed,marcum pumps replaced cap kit
508 Poplar st	1/9/2019	replaced pump and cap kit, previous issue caused a pump fail
1359 Fairway dr	1/29/2019	marcum pump service call, bad contactor in box. Had to order. Will be back when part comes in
1359 Fairway dr	1/30/2019	replaced contactor,cap kit, and motor

Date	Location	Action taken	who's problem	Location of problem
1/16/2019	1413 Walnut	Jet lateral	home owner	between cleanout and tree
1/21/2019	2108 Espy	Jet lateral	home owner	8ft from cleanout
1/31/2019	931 Alvin	jet main	City	10-50ft from manhole(2 inch water meter barell) towards 1458



Street	Location	make	year	size	thread	Valve
POPLAR ST.	LEFT SIDE OF STOP SIGN	American Darling	1966	4.00	B	NO
ESPY LANE	CORNER OF ESPY AND LAGAR (5M H)	American Darling	1989	4.00	B	YES
ELITA LANE	HALFWAY UP ON LEFT FROM ESPY	American Darling	1970	4.00	B	YES
CALLIHAN ST.	1/2 WAY DOWN ON LEFT (2H)	American Darling	1966	4.00	B	NO
MARY ELLEN	3/4/WAY DOWN ON RIGHT (H)	American Darling	1970	4.00	B	YES
OAK ST.	CORNER OF OAK AND POWELL	American Darling		4.00	B	YES
WASHINGTON	ACROSS FROM DIEDRICH DR.	American Darling	1964	4.00	B	YES
<b>GREGORY ST.</b>	<b>1/2 WAY DOWN ON RIGHT (5H)</b>	<b>American Darling</b>		<b>4.00</b>	<b>B</b>	<b>NO</b>
ALTON ST.	CORNER OF ALTON AND LEXINGTON	American Darling	1974	4.00	B	YES
BLUEGRASS ST.	CORNER OF ALTON (H)	American Darling		4.00	B	NO
WALNUT ST.	CORNER OF WALNUT AND BEECH ST.	American Darling	1960	4.50	B	NO
WALNUT ST.	IN FRONT OF 1705 (H)	American Darling	1967	4.50	B	YES
TURNER ST.	CORNER OF TURNER AND COURT	American Darling	1978	4.00	B	YES
NAPIER	1/2 WAY DOWN ON LEFT (H)	Mueller	1971	5.25	B	NO
HILLTOP	CORNER OF HILTOP AND HARRISON	American Darling	1986	4.00	B	YES
MELVIN ST.	1/2 WAY UP ON RIGHT	American Darling	1973	4.00	B	YES
ENGLAND LN.	END OF BLACKTOP ON RIGHT	American Darling	1974	4.00	B	
FIELDS AVE.	1/3 OF THE WAY DOWN ON LEFT	American Darling		4.00	B	
FIELDS AVE.	ACROSS FROM 2708 Fields	American Darling	1970	4.00	B	YES
FIELDS AVE.	2926 Fields	American Darling	1970	4.00	B	YES
CRAFT ST.	CORNER OF CRAFT AND WILLIAMS (H)	American Darling		4.00	B	
EAST COLLINS ST.	1ST HOUSE ON RIGHT FROM ARGILLITE(H)	American Darling		4.00	B	
EAST COLLINS ST.	CORNER OF EAST COLLINS AND SPRING (H)	American Darling		4.00	B	
GILLEY ST.	ACROSS FROM SPRING ST.	American Darling		4.00	B	
LONG ST.	ON RIGHT SIDE IN FRONT OF 2315 LONG ST.	American Darling	1960	4.00	B	YES
PINE ST.	CORNER OF PINE AND OAK	American Darling		4.00	B	NO
MARSHA DR.	CORNER OF BELLEFONTE AND MARSHA	American Darling	1982	5.25	B	
JOHNATHAN ST.	CORNER OF JOHNATHAN AND MYRA	American Darling	1970	4.00	B	YES
TACOMA DR.	CORNER OF TACOMA AND CAROLINE	American Darling	1974		B	Yes
DESCHUM ST.	ON LEFT SIDE PAST THE SHOP (1505 DESCHUM)(2H)	American Darling	1973	4.00	B	YES
SUNRISE AVE.	3/4 WAY DOWN ON RIGHT (H)	American Darling	1974	4.00	B	YES
ARGILLITE RD.	BEFORE NEW AND USED STORE (H)	American Darling	N/A	4.00	B	YES
HIGHLAND AVE.	CORNER OF HIGHLAND AND CUMBERLAND (H)	American Darling	1967	4.50	B	YES
CUMBERLAND AVE.	BETWEEN PARK AND CUMBERLAND AT END	American Darling		4.00	B	YES
PARK ST.	AT CITY POOL	American Darling	1973	4.00	B	YES
WOODLAND AVE.	CORNER OF WOODLAND AND HIGHLAND (H)	American Darling	N/A	4.00	B	NO
Street	Location	make	year	size	thread	Valve
BETH ANN	IN FRONT OF CHURCH	American Darling	1963	4.00	B	YES
BETH ANN	1/2 WAY DOWN ON LEFT	American Darling	1963	4.00	B	YES
BETH ANN	3/4 WAY DOWN ON LEFT (2H)	American Darling	1966	4.00	B	YES
SHADY ELM	SHADY ELM AND LUCI MAE	American Darling	1973	4.00	B	YES
REED ST.	CORNER OF REED AND SHORTS DR. (H)	American Darling	1989		B	YES
REED ST.	REED AND VELMA LANE	American Darling	1969		B	YES
VALLEY DR.	HALF WAY DOWN ON LEFT	American Darling	1989	4.50	B	YES
GREENBO BLVD	JUST PAST GREENHILLS ON RIGHT	American Darling			B	YES
GREENHILLS	GREENHILLS AND PRIMROSE ON RIGHT	American Darling			B	
PRIMROSE	PRIMROSE AND CAMELIA ON RIGHT	American Darling			B	
TAYLOR ST.	HALF WAY DOWN ON LEFT	American Darling	1963	4.00	B	YES

Year	Q1	Q2	Q3	Q4	Total
2010	100	100	100	100	400
2011	100	100	100	100	400
2012	100	100	100	100	400
2013	100	100	100	100	400
2014	100	100	100	100	400
2015	100	100	100	100	400
2016	100	100	100	100	400
2017	100	100	100	100	400
2018	100	100	100	100	400
2019	100	100	100	100	400
2020	100	100	100	100	400
2021	100	100	100	100	400
2022	100	100	100	100	400
2023	100	100	100	100	400
2024	100	100	100	100	400
2025	100	100	100	100	400
2026	100	100	100	100	400
2027	100	100	100	100	400
2028	100	100	100	100	400
2029	100	100	100	100	400
2030	100	100	100	100	400
2031	100	100	100	100	400
2032	100	100	100	100	400
2033	100	100	100	100	400
2034	100	100	100	100	400
2035	100	100	100	100	400
2036	100	100	100	100	400
2037	100	100	100	100	400
2038	100	100	100	100	400
2039	100	100	100	100	400
2040	100	100	100	100	400
2041	100	100	100	100	400
2042	100	100	100	100	400
2043	100	100	100	100	400
2044	100	100	100	100	400
2045	100	100	100	100	400
2046	100	100	100	100	400
2047	100	100	100	100	400
2048	100	100	100	100	400
2049	100	100	100	100	400
2050	100	100	100	100	400
2051	100	100	100	100	400
2052	100	100	100	100	400
2053	100	100	100	100	400
2054	100	100	100	100	400
2055	100	100	100	100	400
2056	100	100	100	100	400
2057	100	100	100	100	400
2058	100	100	100	100	400
2059	100	100	100	100	400
2060	100	100	100	100	400
2061	100	100	100	100	400
2062	100	100	100	100	400
2063	100	100	100	100	400
2064	100	100	100	100	400
2065	100	100	100	100	400
2066	100	100	100	100	400
2067	100	100	100	100	400
2068	100	100	100	100	400
2069	100	100	100	100	400
2070	100	100	100	100	400
2071	100	100	100	100	400
2072	100	100	100	100	400
2073	100	100	100	100	400
2074	100	100	100	100	400
2075	100	100	100	100	400
2076	100	100	100	100	400
2077	100	100	100	100	400
2078	100	100	100	100	400
2079	100	100	100	100	400
2080	100	100	100	100	400
2081	100	100	100	100	400
2082	100	100	100	100	400
2083	100	100	100	100	400
2084	100	100	100	100	400
2085	100	100	100	100	400
2086	100	100	100	100	400
2087	100	100	100	100	400
2088	100	100	100	100	400
2089	100	100	100	100	400
2090	100	100	100	100	400
2091	100	100	100	100	400
2092	100	100	100	100	400
2093	100	100	100	100	400
2094	100	100	100	100	400
2095	100	100	100	100	400
2096	100	100	100	100	400
2097	100	100	100	100	400
2098	100	100	100	100	400
2099	100	100	100	100	400
2100	100	100	100	100	400



Location	meter #	account #	ADDRESS	
BARKER LANE TANK	190736550	037-449-058-0-7	199 FLATWOODS WATER TANK RD.	WATER
1458 BOOSTER STATION	435944599	033-470-051-9-5	4047 ST. RT. 1458 ASHLAND	WATER
OAKS TANK	190909993	036-418-329-0-6	1630 LINKS LN.	WATER
CAROLINE BOOSTER STATION	455078532	038-287-793-0-0		WATER
SHOP OFFICE	533124466	037-160-634-0-3	1104 DESCHUM ST	ALL
SHOP STORAGE	428778817	035-748-417-0-0	1104 DESCHUM ST	ALL
SHOP PUMP HOUSE	435979397	031-254-340-0-5	1104 DESCHUM ST	WATER
ROCKHOUSE RD	533510083	030-001-407-1-9	6 MORNINGSTAR HILL	WATER
OAKS BOOSTER(NOT IN SERVICE)	426780154	39-940-662-2-7		WATER
U.S.23 LIFT STATION	435941455	030-830-000-3-8		SEWER
BAYBERRY LIFT STATION	436050261			SEWER
WALNUT LIFT STATION	428781009	036-750-000-2-4		SEWER
AUDOBOON LIFT STATION	435941794	032-010-030-8-8		SEWER
HAMER LIFT STATION	428992867	037-120-030-1-5		SEWER
CAROLINE LIFT STATION	435944444	038-080-030-4-4		SEWER
THOMPSON RD LIFT STATION	428780828	031-556-441-0-1		SEWER
ESPY LIFT STATION	435944492	038-720-030-9-4		SEWER
AVERY LIFT STATION	532190601	036-230-030-6-2		SEWER
PRIMARY SCHOOL LIFT STATION	532291548	036-318-090-0-5		SEWER
HIGH SCHOOL LIFT STATION	435941239	038-868-360-0-0		SEWER