



# Master Plan WasteWater System

Projects are scheduled as funding allows and the current condition of existing assets

Phase III, Collection System Capacity Improvements- Pending Funding				
PROJECT NAME	DESCRIPTION	Pipe Footage	Budget Cost	Pump Stations to Retire
Ford Bottoms Interceptor Phase 2	15" PVC Gravity Sewer	8,700	\$ 800,000	1
Ridgecrest Interceptor	12" PVC Gravity Sewer	4,800	\$ 288,000	2
Deer Creek Interceptor Phase 1	15" PVC Gravity Sewer	6,500	\$ 390,000	2
Deer Creek Interceptor Phase 2	12" PVC Gravity Sewer	7,900	\$ 474,000	-
Hwy 321 Pump Station	Pump Station Wetwell	0	\$ 910,000	-
Holland Bottoms Interceptor Phase 2	12" 15" & 18" PVC Gravity Sewer	8,000	\$ 750,000	1
<b>Sub-Totals</b>		<b>35,900</b>	<b>\$ 3,612,000</b>	<b>6</b>

Collection System Infrastructure Replacement				
Infrastructure Replacement addresses older pipe that is under-sized, vulnerable to failure from sewer gas and has excess infiltration and inflow.				
PROJECT NAME	Description ( MH# to MH#)	Pipe Footage	Budget Cost	Year Installed
N 2nd St to Polk St Interceptor	344-2542	834	\$ 41,700	Replaced
S Polk St to Polk St Interceptor	714-2542	1,693	\$ 84,650	1972
E Locust St to Polk St Interceptor	2542-2644	1,553	\$ 77,650	1972
E Locust St to Railroad Tracks	355-702	317	\$ 15,850	Replaced
E Locust & alley (W of N Jackson St)	703	535	\$ 26,750	1948
E Locust & alley (E of N Jackson St)	704	565	\$ 28,250	1948
E Locust St to N Lincoln St	702-704	690	\$ 55,200	1948
N Grant St to N Jackson St	699-713	391	\$ 19,550	Replaced
W Locust St to W Olive St	867-872	597	\$ 47,760	1948
N 4th St & Mockingbird Ln	2793-2827	714	\$ 57,120	1972
N 4th St (Running North behind Fortson Trailer Park)	830-850	610	\$ 30,500	1972
Ridge Rd North	2418-2509	1,132	\$ 56,600	1974
Ridge Rd South	2412-2479	1,306	\$ 65,300	1974
Valley Rd	2415-2426	1,172	\$ 58,600	1974
Rockwood Rd (East to Sun Vista Ln)	2418-2426	1,177	\$ 58,850	Replaced
Oak Grove Cir to Eighth St	959-978	1,276	\$ 63,800	1972
Eighth St (Crossing W Main St)	971-978	718	\$ 57,440	Pre 1968
W Locust St (Vine St to N 2nd St)	871-879	1,869	\$ 149,520	1948
W Locust St - Ryeland Dr to Oak Grove Cir	969-959	1,919	\$ 95,950	1968
Galloway St	851-877	619	\$ 30,950	Pre 1968
W Olive St to 5th St	866-870	989	\$ 79,120	1948
W Olive St to W Main St	866-2501	957	\$ 47,850	1948
Paige Ave (#10 to #28)	1338-1355	727	\$ 36,350	Replaced
5th St to W Main St	863-2501	337	\$ 26,960	1948
N Park Dr	842-845	1,032	\$ 51,600	Pre 1982
Eagle St	837-848	884	\$ 44,200	1972
Eagle St to N 2nd St	344-837	2,078	\$ 103,900	1972
N 2nd St (Nursing Home to #2002	344-1591	3,244	\$ 162,200	1972
Ray St to N Polk St	1623-1625	577	\$ 28,850	1972
Ray St to N 2nd St	1594-1615	556	\$ 27,800	1972
Wilson St to W Olive St	854-857	710	\$ 56,800	1948
Wilson St to N 3rd St	854-855	525	\$ 42,000	1948
N 2nd St (North to Cherry St)	352-2591	755	\$ 37,750	1948
N 1st St to N 3rd St	723-856	557	\$ 27,850	1948
Hwy 38 (High School Lift Station)	793-2547	575	\$ 28,750	1972
Hwy 38 (Northside to Morgan St)	795-798	629	\$ 31,450	1972
Hwy 38 (Chelsea Ln & North of Campbell Dr)	95-2572	1,715	\$ 85,750	1972
Campbell Dr	96-103	667	\$ 33,350	1972
S Pine St to E Main St (East of Lincoln St)	750-2728	383	\$ 19,150	Replaced
Suda St to E Olive St (East of Jackson St)	697-694 / 691-710	1,985	\$ 99,250	1948

Infrastructure Replacement addresses older pipe that is under-sized, vulnerable to failure from sewer gas and has excess infiltration and inflow.

PROJECT NAME	Description ( MH# to MH#)	Pipe Footage	Budget Cost	Year Installed
King St	751-1175	343	\$ 27,440	1948
Jordan St	733-734	133	\$ 6,650	Pre 1972
E Main St (Linden St to Walnut St)	760-761	536	\$ 42,880	1948
E Main St (Monroe to S Pine St)	763-776	419	\$ 33,520	1972
E Main St (S Pine St to Pleasant St)	767-776	318	\$ 15,900	1972
Pleasant St	767-770	688	\$ 34,400	1972
Lillie St & Bellamy St	773-1176	1,309	\$ 65,450	1968
Walnut St (E Main St to Monroe)	766-764-CO#9514	620	\$ 49,600	1948
Linden St (E Main St to Madison St)	758-760	1,078	\$ 86,240	1948
S Pine St (Madison St & Monroe)	765-787	924	\$ 73,920	1948
S Pine St (High School to #91)	778-2721	1,487	\$ 74,350	Pre 1968
S Pine St (#95 to Mills Cv)	777-1975	1,269	\$ 63,450	1972
Wendell St	1962-1970	910	\$ 45,500	1972
Pin Oak Dr	1962-1965	705	\$ 35,250	Pre 1979
Cherry St to Railroad Tracks	342-1500	2,325	\$ 116,250	Pre 1968
S Pine St (Robinson St to Countrywood St)	635-1863	3,011	\$ 150,550	1972
White Oak Dr & Forest St	1937-1942	2,268	\$ 113,400	Pre 1977
White Oak Dr to S Pine St	1866-1936	751	\$ 37,550	Pre 1977
Countrywood St	1857-1862	2,441	\$ 122,050	Pre 1977
W Street	1853-2822	1,179	\$ 58,950	Pre 1977
S Pine St (@ Knight's heading west)	573-2699	1,211	\$ 60,550	1972
Pond St (Kay St to S Pine St)	615-619	1,082	\$ 54,100	1972
Sycamore St (Kay St to S Pine St)	622-623	1,087	\$ 54,350	1972
Pear St (Kay St to S Pine St)	624-627	851	\$ 42,550	1972
Central Elementary (North towards Robinson St)	639-643	799	\$ 39,950	1972
Robinson St (#19 to #45)	631-636	1,192	\$ 59,600	Pre 1977
Robinson St (Behind #40 to Behind #45)	642-828	380	\$ 19,000	Pre 1977
Frances St (#27 to behind #40 Robinson St))	659-828	944	\$ 47,200	1972
Frances St (#15 to #27))	659-661	605	\$ 30,250	1972
S Pine St to Frances St	661-1971	902	\$ 45,100	1972
Kerr Station Rd to behind Water Maintenance	479-486	660	\$ 33,000	1972
Kerr Station Rd to behind #45 Robinson St	486-642	1,768	\$ 88,400	1972
Meadowlark Dr (#31 to behind #61 Robinson St)	644-650	1,725	\$ 86,250	1976
Meadowlark Dr (#25 to #61 Robinson St)	629-649	976	\$ 48,800	1976
Oak Meadows Dr (#82 to #42)	502-507	1,801	\$ 90,050	1973
Barnwell Dr (East)	504-509	1,043	\$ 52,150	1973
Barnwell Dr (West)	503-508	913	\$ 45,650	1973
Kerr Station Rd (behind #20 to #42 Oak Meadows Dr)	486-499	1,225	\$ 61,250	1972
#309 S Adams St to Water Maintenance	484-679	1,441	\$ 72,050	1948
Kerr Station Rd to Suda & S Jackson	499-698	881	\$ 44,050	1972
Suda St Southside (S Jackson St to S Adams St)	535-678	547	\$ 27,350	1972
Suda St Northside (S Jackson St to S Adams St)	668-698	601	\$ 30,050	1972
#411 N 2nd St to #123 S 2nd St	724-889	1,612	\$ 80,600	1948
S 2nd St (#207 to Staley Glass)	892-2836	910	\$ 45,500	1948
S 2nd St (Staley Glass to #1212)	914-2836	2,575	\$ 128,750	Pre 1968
S 2nd St (#1400 to #1514)	1124-1158	1,168	\$ 58,400	1972
S 2nd St (W Pheasant Run to Lee St)	1156-2819	1,240	\$ 62,000	1972
S 2nd St (#1812 to #14 Crum St)	1145-1292	1,995	\$ 99,750	1972
#1515 S 2nd St to #1602 S 1st St	1297-2744	677	\$ 33,850	1972
S 1st St (Lee St to #1602 S 1st)	1297-1301	249	\$ 12,450	1972
#1602 S 1st St to #28 Pheasant Run)	1297-1339	772	\$ 38,600	1972
Pheasant Run Dr (#10 to #34)	1336-1340	959	\$ 47,950	Pre 1978
Pheasant Run Dr (#28 to #52-A)	470-1339	652	\$ 32,600	1972
Pheasant Run Dr (#36 to #72)	1342-1352	1,173	\$ 58,650	Pre 1978
W Main St to S 2nd St	892-2501	1,706	\$ 85,300	Pre 1968
Club Dr to Park Dr	896-968	1,088	\$ 54,400	Replaced
Park Dr to W Myrtle St	896-915	327	\$ 16,350	1948
W Main St to W Elm St	883-887	761	\$ 38,050	1948
W Main St (alley behind #223)	882-dead end	300	\$ 15,000	1948
N 4th St	873-2792	498	\$ 39,840	Pre 1968
St John St (#37 to #69)	1061-1171	1,326	\$ 66,300	1978
St John St (Behind #19 to #33)	1060-1073-1072	1,304	\$ 65,200	1978
St John St to S 2nd St	916-917	782	\$ 62,560	Pre 1968
Stacy Ct to Collins St	1066-1076-916	1,514	\$ 75,700	Pre 1968

Infrastructure Replacement addresses older pipe that is under-sized, vulnerable to failure from sewer gas and has excess infiltration and inflow.

PROJECT NAME	Description ( MH# to MH#)	Pipe Footage	Budget Cost	Year Installed
Chalet St to Collins St	1071-1075	350	\$ 17,500	Pre 1968
#14 Century Cir to #32 Bellaire Dr	1055-1154	764	\$ 38,200	1978
#14 Century Cir to #31 S 10th St	1049-1051	671	\$ 33,550	1978
S 10th St (#26 to #35)	1052-1058	503	\$ 25,150	1978
#14 Bellaire Dr to #39 S 10th St	1053-1057	294	\$ 14,700	1978
<b>Sub-Totals</b>		<b>Feet</b> 111,087	<b>\$ 5,924,820</b>	
		<b>Miles of pipe</b> 21.0		

### WasteWater Treatment Equipment Replacement

Description	Units	Unit Cost	Budget Cost
WWTP Influent Pumps	4	\$ 30,000	\$ 120,000
WAS/RAS Pumps	5	\$ 30,000	\$ 150,000
Aeration Equipment	10	\$ 100,000	\$ 1,000,000
Mechanical Screens	2	\$ 90,000	\$ 180,000
UV Disinfection Equipment	6	\$ 50,000	\$ 300,000
Clarifier Drives	2	\$ 65,000	\$ 130,000
Electrical Equipment (VFD and Controls)	29	\$ 10,000	\$ 290,000
			<b>\$ 2,170,000</b>

### WasteWater Collection Pump Stations Equipment Replacement

Description	Units	Unit Cost	Budget Cost
Algonquin Woods	2	\$ 5,000	\$ 10,000
Ballpark	3	\$ 20,000	\$ 60,000
Crosswinds	2	\$ 5,000	\$ 10,000
Cypress Creek	2	\$ 5,000	\$ 10,000
Four Mile Creek	4	\$ 30,000	\$ 120,000
Gateway	2	\$ 6,000	\$ 12,000
GlenEagle	2	\$ 5,000	\$ 10,000
Horton Estates	2	\$ 5,000	\$ 10,000
Hwy 321	2	\$ 20,000	\$ 40,000
Krooked Kreek	2	\$ 5,000	\$ 10,000
Lakewood	2	\$ 6,000	\$ 12,000
Magness Creek South	2	\$ 30,000	\$ 60,000
Magness North 1	2	\$ 5,000	\$ 10,000
Magness North 2	2	\$ 5,000	\$ 10,000
Northport	2	\$ 6,000	\$ 12,000
Phase 6	2	\$ 6,000	\$ 12,000
Pioneer Springs	2	\$ 6,000	\$ 12,000
Pleasant Forest	2	\$ 5,000	\$ 10,000
Ridgecrest	2	\$ 5,000	\$ 10,000
Rosebud	2	\$ 5,000	\$ 10,000
Shaded Oaks	2	\$ 5,000	\$ 10,000
Sunset	2	\$ 5,000	\$ 10,000
The Park	2	\$ 5,000	\$ 10,000
Wellington	2	\$ 5,000	\$ 10,000
Winner's Circle	2	\$ 5,000	\$ 10,000
Pump Station Electrical Controls	53	\$ 2,000	\$ 106,000
			<b>\$ 606,000</b>

### WasteWater Collection GRINDER Pump Equipment Replacement

Description	Units	Unit Cost	Budget Cost
Grinder Pumps, Piping and Electrical Controls	560	\$ 2,000	\$ 1,120,000

**Total Collection System, Treatment, Pump Stations & Grinder Pumps** **\$ 13,432,820**