

# **SOUTHWEST METROPOLITAN WATER AND SANITATION DISTRICT**

## **FACILITY OWNERSHIP STATISTICAL REPORT YEAR ENDING DECEMBER 31, 2022**

### **Water**

Miles of Water Main Installed in 2022	0.52
No. of Isolation Valves Installed in 2022	9
No. of Blow-off Valves Installed in 2022	0
No. Fire Hydrants Installed in 2022	3
Miles of Water Main in System as of 12/31/2022	174.78
No. of Isolation Valves in system as of 12/31/2022	3,276
No. of Blow-off Valves in System as of 12/31/2022	450
No. of Fire Hydrants in System as of 12/31/2022	1,590

### **Sewer**

Miles of Sewer Main Installed in 2022	0.04
Miles of Sewer Main in System as of 12/31/2022	164.00
No. of Manholes as of 12/31/2022	4,833
No. of Cleanouts as of 12/31/2022	14

# FACILITY OWNERSHIP STATISTICAL REPORT

## YEAR ENDING DECEMBER 31, 2022

### WATER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2021</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2022</u>
<b>PIPE:</b>					
4"	ACP	2,938			2,938
4"	CIP	290			290
4"	DIP	1,189			1,189
4"	PVC	4,487			4,487
6"	ACP	142,661			142,661
6"	CIP	6			6
6"	DIP	39,951			39,951
6"	PVC	44,500	478		44,978
8"	ACP	128,019		9	128,010
8"	CIP	408			408
8"	DIP	95,734			95,734
8"	PVC	172,885		249	172,636
10"	ACP	161			161
12"	ACP	92,747		62	92,685
12"	CIP	2,626			2,626
12"	DIP	71,869			71,869
12"	PVC	61,673		38	61,635
12"	STL	74			74
16"	ACP	4,407			4,407
16"	CIP	9,103			9,103
16"	DIP	33,780		2,303	31,477
16"	PVC	0	2,286		2,286
16"	STL	50			50
18"	STL	2,993			2,993
20"	DIP	7,947			7,947
24"	DIP	2,219			2,219
	<b>TOTAL</b>	<b>922,717</b>	<b>2,764</b>	<b>2,661</b>	<b>922,820</b>

ACP: Asbestos Cement Pipe  
PVC: Polyvinyl Chloride Pipe  
CIP: Cast Iron Pipe  
DIP: Ductile Iron Pipe  
STL: Steel Pipe

# FACILITY OWNERSHIP STATISTICAL REPORT

## YEAR ENDING DECEMBER 31, 2022

### WATER FACILITIES(continued)

<u>Size</u>	<u>Type</u>	<u>Total 12/31/2021</u>	<u>Add</u>	<u>Subtract</u>	<u>Total 12/31/2022</u>
<b>VALVES:</b>					
2"	PRV	6			6
4"	Gate	51			51
4"	PRV	2			2
6"	Gate	795	2	1	796
6"	PRV	6			6
8"	Gate	1,521	3	5	1,519
8"	PRV	3			3
10"	Gate	2			2
12"	Gate	860	4	7	857
12"	Check	1			1
12"	PRV	2			2
16"	Gate	3			3
16"	Butterfly	23			23
18"	Gate	1			1
18"	Butterfly	1			1
20"	Butterfly	1			1
24"	Butterfly	2			2
	TOTAL	3,280	9	13	3,276
<b>BLOW-OFFS:</b>					
2"	Ball	321			321
2"	Gate	124			124
6"	Gate	5			5
	TOTAL	450	0	0	450
<b>HYDRANTS:</b>					
6"	Mueller Cent.	658	3		661
6"	Mueller Im.	11			11
6"	Waterous	906			906
6"	AVK	9			9
6"	DWD	1		1	0
6"	Amer. Darling	3			3
	TOTAL	1,588	3	1	1,590

# FACILITY OWNERSHIP STATISTICAL REPORT

## YEAR ENDING DECEMBER 31, 2022

### SEWER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total 12/31/2021</u>	<u>Add</u>	<u>Subtract</u>	<u>Total 12/31/2022</u>
<b>PIPE:</b>					
8"	CP	250			250
8"	VCP	91,548			91,548
8"	PVC	486,277	227		486,504
8"	C-900	130,308			130,308
8"	CPP	5,261			5,261
10"	VCP	5,044			5,044
10"	PVC	14,582			14,582
10"	C-900	4,982			4,982
12"	VCP	20,356			20,356
12"	PVC	11,629			11,629
12"	CP	178			178
12"	C-900	821			821
12"	CPP	1,320			1,320
15"	UVRC	141			141
15"	VCP	10,123			10,123
15"	PVC	9,491			9,491
15"	CP	3,613			3,613
15"	CPP	7,662			7,662
18"	VCP	9,464			9,464
18"	CPP	1,325			1,325
18"	PVC	1,799			1,799
21"	VCP	3,019			3,019
21"	PVC	6,038			6,038
21"	CPP	2,665			2,665
24"	PVC	153			153
27"	CPP	2,180			2,180
33"	CPP	13,103			13,103
36"	CPP	9,503			9,503
42"	CPP	2,816			2,816
42"	SPE	1,616			1,616
45"	CPP	318			318
48"	CPP	6,708			6,708
60"	CPP	1,411			1,411
	<b>TOTAL</b>	<b>865,704</b>	<b>227</b>	<b>0</b>	<b>865,931</b>

CP: Concrete Pipe  
VCP: Vitrified Clay Pipe  
PVC: Polyvinyl Chloride Pipe  
C-900: Polyvinyl Chloride Pipe C-900 Class 200  
CPP: Cured In-place Pipe

HDPE: High Density Polyethylene Pipe  
CIP: Cast Iron Pipe  
DIP: Ductile Iron Pipe  
RCP: Reinforced Concrete Pipe  
UVRC: UV-Cured Sliplined Reinforced Concrete Pipe

# **SOUTHWEST METROPOLITAN WATER AND SANITATION DISTRICT**

## **WATER & SEWER SUPPLY REPORT YEAR ENDING DECEMBER 31, 2022**

### **Taps**

Water Taps Sold in 2022	29
3/4" Equivalent Water Taps Sold in 2022	63
Sewer Taps Sold in 2022	67
Single Family Equivalent Sewer Taps Sold in 2022	67

### **Consumption**

Total Water Delivered (gallons)	1,970,553,000
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## WATER & SEWER SUPPLY REPORT - (2013-2022)

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
<b>POPULATION:</b>										
RS Population (3.04)	36,422.24	36,166.88	36,081.76	36,081.76	36,081.76	35,963.20	35,859.84	35,832.48	35,799.04	35,796.00
RM Population (2.04)	13,035.60	12,913.20	12,913.20	12,205.32	12,205.32	12,205.32	12,205.32	11,691.24	11,691.24	11,634.12
Total Population	49,457.84	49,080.08	48,994.96	48,287.08	48,287.08	48,168.52	48,065.16	47,523.72	47,490.28	47,430.12
<b>WATER TAPS:</b>										
Total Active Taps	12,849	12,820	12,738	12,712	12,687	12,687	12,643	12,599	12,581	12,557
Single Family Residential	11,639	11,563	11,537	11,537	11,537	11,498	11,464	11,446	11,437	11,426
Multi Family Residential	807	804	804	780	780	780	780	780	768	768
Commercial	403	400	400	399	399	394	384	384	381	379
Taps Sold	29	82	26	25	0	44	44	18	24	13
Single Family Residential	25	76	26	0	0	39	34	18	9	11
Multi Family Residential	2	3	0	24	0	0	0	0	12	0
Commercial	2	3	0	1	0	5	10	0	3	2
Total 3/4" Equivalents	15,433	15,320	15,288	15,176	15,176	15,117	15,036	15,015	14,947	14,932
Single Family Residential	11,656	11,580	11,548	11,548	11,548	11,509	11,474	11,453	11,444	11,433
Multi Family Residential	2,171	2,147	2,147	2,053	2,053	2,053	2,053	2,053	2,010	2,010
Commercial	1,606	1,593	1,593	1,575	1,575	1,555	1,509	1,509	1,493	1,489
3/4" Equivalents Sold	63	113	32	112	0	59	81	21	68	15
Single Family Residential	25	76	32	0	0	39	35	21	9	11
Multi Family Residential	16	24	0	94	0	0	0	0	43	0
Commercial	22	13	0	18	0	20	46	0	16	4
Tap Size Sold										
3/4"	25	77	24	0	0	39	35	17	10	11
1"	0	0	0	7	0	2	1	0	1	2
1 1/2"	1	1	2	6	0	2	5	1	12	0
2" or >	3	4	0	8	0	1	3	0	1	0

## WATER & SEWER SUPPLY REPORT - (2013-2022)

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
<b>SEWER TAPS:</b>										
Total Active Taps	18,694.00	18,627.00	18,481.00	18,433.00	18,085.00	18,085.00	18,041.00	18,000.00	17,738.00	17,726.00
Single Family Residential	11,981.00	11,897.00	11,869.00	11,869.00	11,869.00	11,830.00	11,796.00	11,787.00	11,776.00	11,775.00
Multi Family Residential	6,390.00	6,330.00	6,330.00	5,983.00	5,983.00	5,983.00	5,983.00	5,731.00	5,731.00	5,703.00
Commercial	323.00	321.00	301.00	300.00	300.00	295.00	288.00	287.00	286.00	283.00
Taps Sold	67.00	146.00	48.00	348.00	0.00	44.00	41.00	262.00	12.00	32.00
Single Family Residential	25.00	84.00	28.00	0.00	0.00	39.00	34.00	9.00	11.00	1.00
Multi Family Residential	40.00	60.00	0.00	347.00	0.00	0.00	0.00	252.00	0.00	28.00
Commercial	2.00	2.00	20.00	1.00	0.00	5.00	7.00	1.00	1.00	3.00
Total Single Family Equiv.	19,980.77	19,815.77	19,767.77	19,377.77	19,377.77	19,318.77	19,274.77	19,012.77	18,997.27	18,928.94
Single Family Residential	11,981.00	11,897.00	11,869.00	11,869.00	11,869.00	11,830.00	11,796.00	11,787.00	11,776.00	11,775.00
Multi Family Residential	6,390.00	6,330.00	6,330.00	5,983.00	5,983.00	5,983.00	5,983.00	5,731.00	5,731.00	5,703.00
Commercial	1,609.77	1,588.77	1,568.77	1,525.77	1,525.77	1,505.77	1,495.77	1,494.77	1,490.27	1,450.94
Single Family Equiv. Sold	67.00	165.00	48.00	390.00	0.00	59.00	44.00	262.00	15.50	68.33
Single Family Residential	25.00	84.00	28.00	0.00	0.00	39.00	34.00	9.00	11.00	1.00
Multi Family Residential	40.00	60.00	0.00	347.00	0.00	0.00	0.00	252.00	0.00	28.00
Commercial	2.00	21.00	20.00	43.00	0.00	20.00	10.00	1.00	4.50	39.33
<b>CONSUMPTION:</b>										
Total Water Delivered*	1,970,553.00	1,891,374.00	2,018,571.00	1,683,033.00	1,793,793.00	1,855,169.00	1,826,754.00	1,750,891.00	1,735,277.00	2,316,810.00
Gal./3/4" Equivilant/Day	349.82	338.24	361.74	303.84	323.83	336.22	332.85	319.48	318.07	425.09
Gal./Capita/Day	109.16	105.58	112.88	95.49	101.78	105.52	104.13	100.94	100.11	133.83
Gal./Account/Day	420.17	404.20	434.16	362.73	387.37	400.62	395.86	380.74	377.89	505.49
Single Family Res. - Delivered*	1,266,416.00	1,223,011.00	1,357,991.00	1,133,924.00	1,222,791.00	1,221,887.00	1,251,851.00	1,181,168.00	1,096,013.00	1,501,782.00
Gal./3/4" Equivilant/Day	297.67	289.35	322.18	269.02	290.10	290.87	298.91	282.55	262.39	359.88
Gal./Account/Day	298.10	289.78	322.49	269.28	290.38	291.15	299.17	282.73	262.55	360.10
Multit-Family Res. - Delivered*	356,765.00	341,527.00	325,427.00	301,667.00	337,340.00	352,078.00	305,315.00	305,455.00	342,253.00	421,141.00
Gal./3/4" Equivilant/Day	450.22	435.81	415.27	402.57	450.18	469.85	407.44	407.63	466.51	574.04
Gal./Account/Day	1,211.20	1,163.79	1,108.93	1,059.60	1,184.90	1,236.66	1,072.41	1,072.90	1,220.94	1,502.36
Commercial - Delivered*	347,372.00	326,836.00	335,153.00	247,442.00	233,662.00	281,204.00	269,588.00	264,268.00	297,011.00	393,887.00
Gal./3/4" Equivilant/Day	592.59	562.11	576.41	430.43	406.46	495.45	489.46	479.80	545.03	724.74
Gal./Account/Day	2,361.55	2,238.60	2,295.57	1,699.06	1,604.44	1,955.39	1,923.43	1,885.47	2,135.77	2,847.34

\*in thousands of gallons

## WATER & SEWER SUPPLY REPORT - (2013-2022)

FACILITY:	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
<b>Water</b>										
Distribution Mains*	174.78	174.76	174.64	174.27	174.20	174.20	174.18	174.18	174.18	174.01
Insatlled (new)**	103.00	618.00	1,948.00	349.00	0.00	130.00	0.00	0.00	905.00	976.00
Installed (replaced)**	2,661.00	3,208.00	149.00	0.00	1,120.00	0.00	0.00	1,425.00	1,045.00	1,491.00
No. Water Main Breaks	12	12	12	19	6	10	8	12	14	12
Valves Op. & Serv.	3,316	3,300	3,308	3,293	3,290	3,268	3,223	3,249	3,195	3,095
Distribution Main Flushing	505	505	604	650	653	645	645	561	550	144
Hydrants Op. Serv.	1,560	1,556	1,560	1,557	1,545	1,384	1,528	1,528	1,513	1,514
<b>Sewer</b>										
Collection Mains	146.36	146.32	146.26	145.94	145.75	145.75	145.75	145.40	145.40	145.40
Installed (new)**	227.00	297.00	1,702.00	989.00	0.00	0.00	1,869.00	0.00	0.00	27.00
Installed (replaced)**	0.00	547.00	0.00	0.00	0.00	0.00	0.00	495.00	0.00	1,276.00
Interceptor Mains*	17.64	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62
No. Sewer Backups	1	1	0	0.00	0.00	1.00	0.00	1.00	1.00	0.00
Main Televised**	194,019	205,147	199,477	242,390.00	204,490.00	201,790.00	194,616.00	239,904.00	190,698.00	205,685.00
Main Hyd. Cleaned**	207,977	244,200	204,080	217,167.00	203,934.00	239,263.00	60,438.00	61,857.00	62,030.00	66,405.00
Main Root Cut**	11,915	9,403	10,921	15,784.00	10,156.00	8,345.00	12,922.00	14,259.00	13,338.00	12,955.00
Main Root Treated**	0	0	883	1,287.00	883.00	1,287.00	2,170.00	0.00	883.00	1,287.00
<b>ADMINISTRATION:</b>										
No. Full Time Equivalents	12.39	12.25	11.98	12.70	12.12	12.26	12.08	11.97	10.94	11.34
Total Hours Worked	25,766.00	25,481.00	24,918.00	26,422.00	25,208.16	25,495.00	25,136.00	24,891.00	22745	23590
Total Hours Worked(PC)	9,929.00	9,984.00	10,059.00	10,676.00	9,839.48	10,808.00	9,935.00	9,156.00	8569	9213
Administration	5,667.00	5,672.00	6,308.00	6,688.00	5,942.92	6,306.00	5,347.00	4,746.00	4,115.00	5,189.00
Maintenance	4,262.00	4,312.00	3,751.00	3,988.00	3,896.56	4,502.00	4,588.00	4,410.00	4,454.00	4,024.00
Total Hours Worked(SWM)	13,467.00	13,090.00	12,787.00	13,086.00	13,191.18	12,294.00	12,681.00	12,941.00	12,085.00	12,419.00
Administration	5,909.00	5,915.00	6,570.00	6,618.00	5,824.41	5,615.00	5,359.00	6,113.00	4,470.00	6,071.00
Maintenance	7,558.00	7,175.00	6,217.00	6,468.00	7,366.77	6,679.00	7,322.00	6,828.00	7,615.00	6,348.00
Total Hours Worked(Others)	2,370.00	2,407.00	2,072.00	2,660.00	2,177.50	2,393.00	2,520.00	2,794.00	2,091.00	1,958.00
Administration	488.00	674.00	708.00	1,170.00	834.75	871.00	1,201.00	1,047.00	1,255.00	617.00
Maintenance	1,882.00	1,733.00	1,364.00	1,490.00	1,342.75	1,522.00	1,319.00	1,747.00	836.00	1,341.00

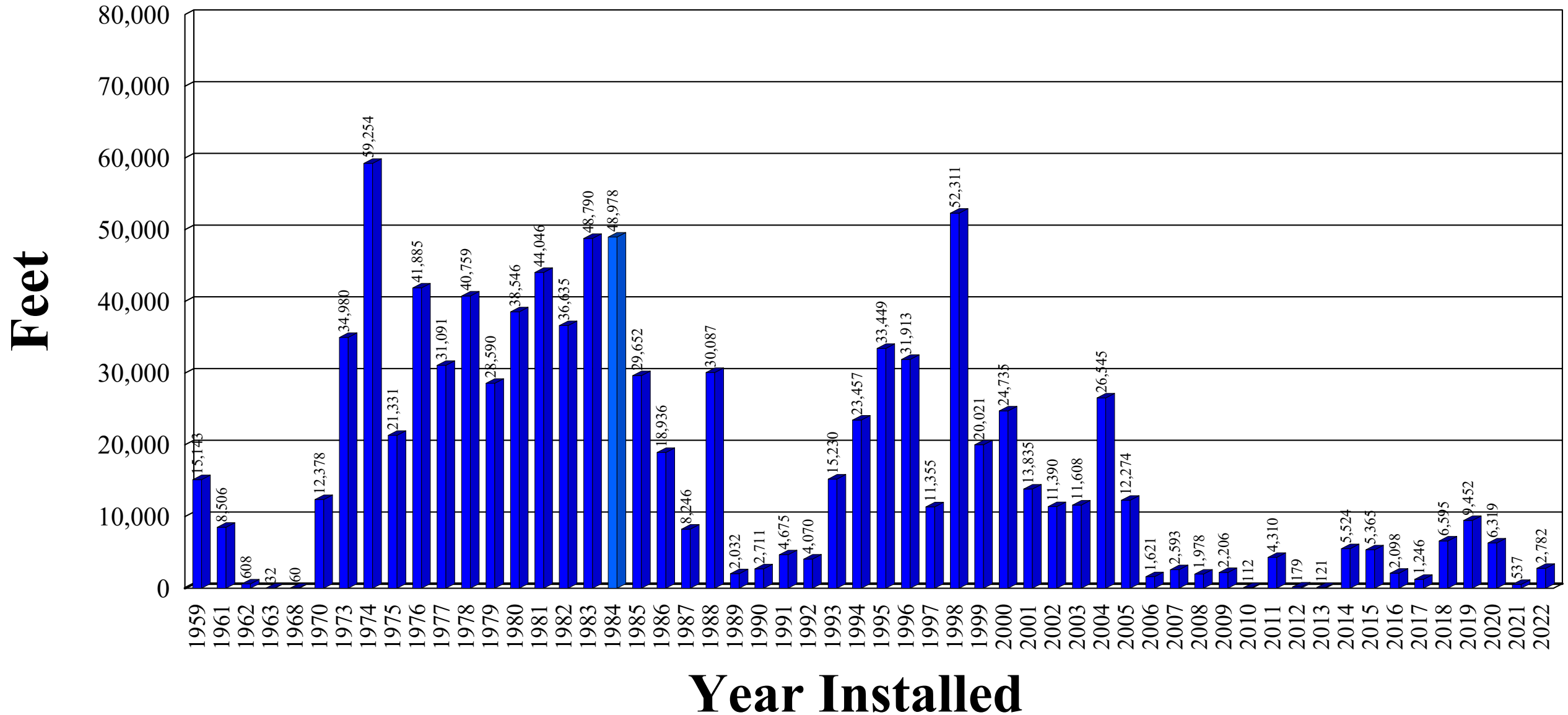
\* miles

\*\* feet



# SOUTHWEST METROPOLITAN W&S

## Water Pipe Installed By Year



# Water Pipe Installed By Year

	4				6				8				10	12					15	16					17	18
	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	STEEL PIPE	DUCTILE IRON PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	STEEL PIPE	DUCTILE IRON PIPE	STEEL PIPE
1959	0	0	0	0	0	0	41	0	11,994	0	0	0	0	0	0	0	0	74	0	0	0	0	0	50	0	2,984
1961	0	0	0	0	1,330	0	0	0	0	0	0	0	161	2,608	0	0	0	0	0	4,407	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	608	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	4,409	2,450	0	0	0	0	0	5,519	0	0	0	0	0
1973	0	0	0	0	8,230	0	1,137	0	20,180	0	0	0	0	5,433	0	0	0	0	0	0	0	0	0	0	0	0
1974	421	290	0	0	27,395	6	905	0	10,573	8	0	0	0	14,644	91	0	0	0	0	0	3,584	0	0	0	0	0
1975	0	0	0	0	5,954	0	202	0	7,021	400	0	0	0	7,754	0	0	0	0	0	0	0	0	0	0	0	0
1976	208	0	0	0	15,869	0	498	0	10,975	0	0	0	0	14,335	0	0	0	0	0	0	0	0	0	0	0	0
1977	747	0	0	0	12,279	0	520	0	11,590	0	129	0	0	4,446	84	392	0	0	0	0	905	0	0	0	0	0
1978	304	0	978	0	13,653	0	5,580	0	3,796	0	5,009	0	0	6,849	0	4,539	0	0	0	0	50	0	0	0	0	0
1979	0	0	0	0	15,289	0	993	0	8,131	0	287	0	0	3,333	0	22	0	0	0	0	534	0	0	0	0	0
1980	0	0	0	0	12,199	0	698	0	12,060	0	0	0	0	9,869	0	464	0	0	0	0	2,375	0	0	0	0	0
1981	1,258	0	0	0	9,960	0	2,144	0	10,750	0	291	0	0	10,274	0	3,257	0	0	0	0	6,111	0	0	0	0	0
1982	0	0	0	0	14,427	0	1,130	88	10,188	0	2,917	549	0	6,981	0	355	0	0	0	0	0	0	0	0	0	0
1983	0	0	13	0	478	0	11,570	4,433	1,453	0	14,126	4,572	0	0	0	8,520	1,772	0	0	0	1,853	0	0	0	0	0
1984	0	0	0	0	2,645	0	2,179	4,887	8,432	0	13,144	4,048	0	465	0	12,514	0	0	0	0	663	0	0	0	0	0
1985	0	0	0	0	2,953	0	7,464	0	709	0	8,878	0	0	710	0	8,939	0	0	0	0	0	0	0	0	0	0

20	24	Total
DUCTILE IRON PIPE	DUCTILE IRON PIPE	
0	0	<b>15,143</b>
0	0	<b>8,506</b>
0	0	<b>608</b>
0	0	<b>32</b>
0	0	<b>60</b>
0	0	<b>12,378</b>
0	0	<b>34,980</b>
0	1,337	<b>59,254</b>
0	0	<b>21,331</b>
0	0	<b>41,885</b>
0	0	<b>31,091</b>
0	0	<b>40,759</b>
0	0	<b>28,590</b>
0	882	<b>38,546</b>
0	0	<b>44,046</b>
0	0	<b>36,635</b>
0	0	<b>48,790</b>
0	0	<b>48,978</b>
0	0	<b>29,652</b>



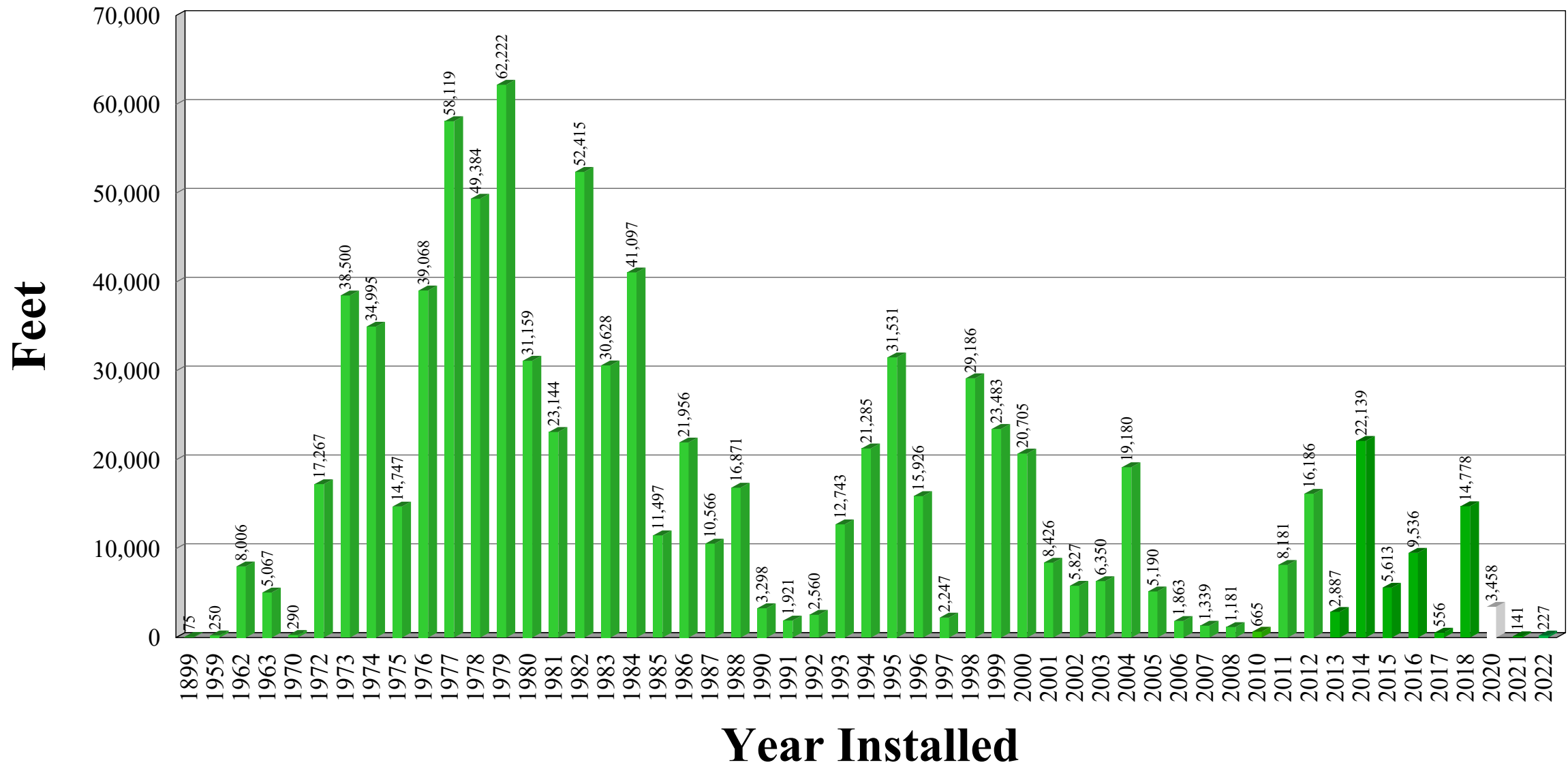
20	24	Total
DUCTILE IRON PIPE	DUCTILE IRON PIPE	
0	0	<b>18,936</b>
0	0	<b>8,246</b>
7,709	0	<b>30,087</b>
0	0	<b>2,032</b>
0	0	<b>2,711</b>
0	0	<b>4,675</b>
0	0	<b>4,070</b>
0	0	<b>15,230</b>
0	0	<b>23,457</b>
0	0	<b>33,449</b>
238	0	<b>31,913</b>
0	0	<b>11,355</b>
0	0	<b>52,311</b>
0	0	<b>20,021</b>
0	0	<b>24,735</b>
0	0	<b>13,835</b>
0	0	<b>11,390</b>
0	0	<b>11,608</b>
0	0	<b>26,545</b>
0	0	<b>12,274</b>

	4				6				8				10	12					15	16					17	18	
	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	STEEL PIPE	DUCTILE IRON PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	STEEL PIPE	DUCTILE IRON PIPE	STEEL PIPE	
2006	0	0	0	244	0	0	92	492	0	0	0	794	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	215	573	0	0	0	1,805	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	114	1,529	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	32	2,174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	28	0	0	0	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	338	0	0	0	0	3,447	0	0	0	0	415	0	0	0	0	110	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	4	0	0	0	70	0	0	0	4	0	0	0	0	30	0	0	0	0	0	13	0	0	0	0	0
2014	0	0	0	432	0	0	228	29	0	0	23	3,791	0	0	0	994	0	0	0	0	0	27	0	0	0	0	0
2015	0	0	0	281	0	0	296	1,075	0	0	0	3,444	0	0	0	0	268	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	71	0	0	331	0	0	0	0	1,697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	315	0	0	0	0	455	0	0	0	0	393	0	10	0	0	64	0	0	0	0	9
2018	0	0	0	0	0	0	293	40	0	0	0	2,655	0	0	0	0	3,607	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	487	0	0	357	41	0	0	0	4,763	0	0	0	0	3,806	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	1,035	0	0	182	1,885	0	0	0	0	0	0	0	0	3,216	0	0	0	0	0	0	0	0	2	0
2021	0	0	0	0	0	0	0	209	0	0	0	58	0	0	0	0	271	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	17	478	0	0	0	0	0	0	0	0	0	0	0	0	0	2,286	0	0	0	0	
<b>Total</b>	<b>2,938</b>	<b>290</b>	<b>1,189</b>	<b>4,487</b>	<b>142,661</b>	<b>6</b>	<b>70,255</b>	<b>44,994</b>	<b>128,010</b>	<b>408</b>	<b>95,734</b>	<b>172,636</b>	<b>161</b>	<b>92,718</b>	<b>2,626</b>	<b>71,869</b>	<b>61,635</b>	<b>74</b>	<b>10</b>	<b>4,407</b>	<b>9,103</b>	<b>31,477</b>	<b>2,286</b>	<b>50</b>	<b>2</b>	<b>2,993</b>	

20	24	Total
DUCTILE IRON PIPE	DUCTILE IRON PIPE	
0	0	1,621
0	0	2,593
0	0	1,978
0	0	2,206
0	0	112
0	0	4,310
0	0	179
0	0	121
0	0	5,524
0	0	5,365
0	0	2,098
0	0	1,246
0	0	6,595
0	0	9,452
0	0	6,319
0	0	537
0	0	2,782
7,947	2,219	953,183

# SOUTHWEST METROPOLITAN W&S

## Sewer Pipe Installed By Year





# Sewer Pipe Installed By Year

	8						10			12					15					18			21			24	27		
	C900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Other (State (in Comments	Polyvinyl Chloride	Verified Clay Pipe	C900 POLYVINYL CHLORIDE PIPE	Polyvinyl Chloride	Verified Clay Pipe	C900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Verified Clay Pipe	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Other (State (in Comments	Polyvinyl Chloride	UV-CURED POLYMER-IMBUEDED REINFORCED CONCRETE	Verified Clay Pipe	Other (State (in Comments	Polyvinyl Chloride	Verified Clay Pipe	Other (State (in Comments	Polyvinyl Chloride	Verified Clay Pipe	Polyvinyl Chloride	Not Known	Other (State (in Comments
1899	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	0	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	5,415	0	0	977	0	0	0	0	1,614	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	3,105	0	0	1,025	0	178	0	0	759	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	17,267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	2,329	33,150	0	0	0	0	0	0	0	3,021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	15,733	17,700	0	0	0	0	0	0	0	1,562	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	6,024	8,723	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	4,082	21,077	0	0	0	0	0	0	0	2,126	0	0	0	0	0	3,222	0	0	6,057	0	0	2,504	0	0	0
1977	0	0	0	0	47,000	1,419	0	0	0	0	0	0	0	9,409	0	0	0	0	0	162	0	0	130	0	0	0	0	0	0
1978	0	0	0	0	37,951	171	0	0	3,042	0	0	0	0	844	0	0	0	0	0	3,584	0	0	3,277	0	0	515	0	0	0
1979	0	0	0	0	60,547	0	0	1,447	0	0	0	0	0	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	31,159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	21,648	0	0	1,496	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	38,598	40	0	4,070	0	0	0	0	9,654	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	515	0	0	0	29,811	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	448	0	0	0	38,355	13	0	1,574	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	285	0	0	0	10,217	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	21,956	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	10,566	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	8,753	0	0	0	0	0	0	0	0	345	0	0	0	5,260	0	0	0	302	0	0	442	0	153	0	0
1990	0	0	0	0	608	0	0	2,690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	1,921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	2,560	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	10,983	0	0	0	1,760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	18,930	0	0	0	2,355	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	3,016	0	0	0	16,935	0	0	1,525	0	0	0	0	0	0	0	0	2,962	0	0	0	0	1,497	0	0	5,596	0	0	0	0



	8						10			12					15						18			21			24	27	
	C900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Other (State (in Comments	Polyvinyl Chloride	Verified Clay Pipe	C900 POLYVINYL CHLORIDE PIPE	Polyvinyl Chloride	Verified Clay Pipe	C900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Verified Clay Pipe	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Other (State (in Comments	Polyvinyl Chloride	UV-CURED REINFORCED CONCRETE	Verified Clay Pipe	Other (State (in Comments	Polyvinyl Chloride	Verified Clay Pipe	Other (State (in Comments	Polyvinyl Chloride	Verified Clay Pipe	Polyvinyl Chloride	Not Known	Other (State (in Comments
1996	9,494	0	0	0	3,548	0	2,884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	2,247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	23,831	0	0	0	3,189	0	532	284	0	821	0	0	529	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	11,458	0	0	0	9,958	0	1,566	501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	8,160	0	0	674	10,770	143	0	0	0	0	0	0	0	0	0	0	958	0	0	0	0	0	0	0	0	0	0	0	0
2001	442	0	0	0	7,984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	4,152	0	0	971	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	6,350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	17,629	0	0	0	0	0	0	0	0	0	0	1,292	0	0	0	259	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	3,017	0	0	0	2,173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	1,121	0	226	0	0	0	0	0	0	0	516	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	1,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	523	0	0	0	53	0	0	0	0	0	0	0	605	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	495	0	0	0	0	0	0	0	0	0	0	0	0	0	92	78	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	1,869	0	0	0	0	0	0	0	0	516	3,374	1,233	0	0	0	0	0	0	0	1,052	0	0	0	0	138
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2,887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	2,912	0	0	0	0	0	0	28	0	0	2,023	0	0	0	0	0	346	0	0	1,613	0	0	0	169	1,872
2015	789	0	0	0	0	0	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	188	0	0	0	1,514	0	0	0	0	0	0	0	0	3,097	0	603	0	0	3,155	979	0	0	0	0	0	0	0	0	0
2017	111	0	0	0	445	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	2,944	0	2,495	0	9,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	3,458	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>130,308</b>	<b>250</b>	<b>3,616</b>	<b>1,645</b>	<b>486,504</b>	<b>91,548</b>	<b>4,982</b>	<b>14,582</b>	<b>5,044</b>	<b>821</b>	<b>178</b>	<b>1,320</b>	<b>11,629</b>	<b>20,356</b>	<b>3,613</b>	<b>5,748</b>	<b>1,914</b>	<b>9,491</b>	<b>141</b>	<b>10,123</b>	<b>1,325</b>	<b>1,799</b>	<b>9,464</b>	<b>2,665</b>	<b>6,038</b>	<b>3,019</b>	<b>153</b>	<b>169</b>	<b>2,010</b>

	33	36		42		45	48	60	Total
	CURED IN PLACE PIPE	CURED IN PLACE PIPE	Other (State in Comments)	CURED IN PLACE PIPE	SPiROLITE POLYETHYLENE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	
1996	0	0	0	0	0	0	0	0	15,926
1997	0	0	0	0	0	0	0	0	2,247
1998	0	0	0	0	0	0	0	0	29,186
1999	0	0	0	0	0	0	0	0	23,483
2000	0	0	0	0	0	0	0	0	20,705
2001	0	0	0	0	0	0	0	0	8,426
2002	0	0	0	0	0	0	0	0	5,827
2003	0	0	0	0	0	0	0	0	6,350
2004	0	0	0	0	0	0	0	0	19,180
2005	0	0	0	0	0	0	0	0	5,190
2006	0	0	0	0	0	0	0	0	1,863
2007	0	0	0	0	0	0	0	0	1,339
2008	0	0	0	0	0	0	0	0	1,181
2010	0	0	0	0	0	0	0	0	665
2011	0	0	0	0	0	0	0	0	8,181
2012	13,103	3,083	0	0	0	0	0	0	16,186
2013	0	0	0	0	0	0	0	0	2,887
2014	0	242	1,679	2,816	0	318	6,708	1,411	22,139
2015	0	4,499	0	0	0	0	0	0	5,613
2016	0	0	0	0	0	0	0	0	9,536
2017	0	0	0	0	0	0	0	0	556
2018	0	0	0	0	0	0	0	0	14,778
2020	0	0	0	0	0	0	0	0	3,458
2021	0	0	0	0	0	0	0	0	141
2022	0	0	0	0	0	0	0	0	227
<b>Total</b>	<b>13,103</b>	<b>7,824</b>	<b>1,679</b>	<b>2,816</b>	<b>1,616</b>	<b>318</b>	<b>6,708</b>	<b>1,411</b>	<b>865,931</b>