

SOUTHWEST METROPOLITAN WATER AND SANITATION DISTRICT

FACILITY OWNERSHIP STATISTICAL REPORT YEAR ENDING DECEMBER 31, 2020

Water

Miles of Water Main Installed in 2020	1.16
No. of Isolation Valves Installed in 2020	27
No. of Blow-off Valves Installed in 2020	6
No. Fire Hydrants Installed in 2020	11
Miles of Water Main in System as of 12/31/2020	174.53
No. of Isolation Valves in system as of 12/31/2020	3,258
No. of Blow-off Valves in System as of 12/31/2020	445
No. of Fire Hydrants in System as of 12/31/2020	1,586

Sewer

Miles of Sewer Main Installed in 2020	0.65
Miles of Sewer Main in System as of 12/31/2020	163.90
No. of Manholes as of 12/31/2020	4,863
No. of Cleanouts as of 12/31/2020	14

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2020

WATER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2019</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2020</u>
PIPE:					
4"	ACP	2,938			2,938
4"	CIP	290			290
4"	DIP	1,188			1,188
4"	PVC	3,452	1,035		4,487
6"	ACP	143,195		386	142,809
6"	CIP	6			6
6"	DIP	40,364			40,364
6"	PVC	42,100	1,885	110	43,874
8"	ACP	128,373			128,373
8"	CIP	407			407
8"	DIP	101,622		52	101,570
8"	PVC	166,928		41	166,887
10"	ACP	161			161
12"	ACP	92,258			92,258
12"	CIP	2,750			2,750
12"	DIP	72,336		521	71,815
12"	PVC	58,886	3,216	862	61,240
12"	STL	74			74
16"	ACP	3,861			3,861
16"	CIP	9,167			9,167
16"	DIP	33,816			33,816
16"	STL	50			50
18"	STL	2,993			2,993
20"	DIP	7,947			7,947
24"	DIP	2,219			2,219
	TOTAL	917,380	6,135	1,972	921,543

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, 2020

WATER FACILITIES(continued)

<u>Size</u>	<u>Type</u>	<u>Total 12/31/2019</u>	<u>Add</u>	<u>Subtract</u>	<u>Total 12/31/2020</u>
VALVES:					
2"	PRV	6			6
4"	Gate	46	5		51
4"	PRV	2			2
6"	Gate	786	7	1	792
6"	PRV	6			6
8"	Gate	1,512			1,512
8"	PRV	4		1	3
10"	Gate	2			2
12"	Gate	843	15	7	851
12"	Check	1			1
12"	PRV	2			2
16"	Gate	2			2
16"	Butterfly	23			23
18"	Gate	1			1
18"	Butterfly	1			1
20"	Butterfly	1			1
24"	Butterfly	2			2
	TOTAL	3,240	27	9	3,258
BLOW-OFFS:					
2"	Ball	312	6	3	315
2"	Gate	125			125
6"	Gate	5			5
	TOTAL	442	6	3	445
HYDRANTS:					
6"	Mueller Cent.	658		1	657
6"	Mueller Im.	12			12
6"	Waterous	895	11	2	904
6"	AVK	9			9
6"	DWD	1			1
6"	Amer. Darling	3			3
	TOTAL	1,578	11	3	1,586

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2020

SEWER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2019</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2020</u>
PIPE:					
8"	CP	250			250
8"	VCP	91,368			91,368
8"	PVC	468,298	3,458		471,756
8"	C-900	146,974			146,974
8"	CPP	3,616			3,616
10"	VCP	5,049			5,049
10"	PVC	14,582			14,582
10"	C-900	4,982			4,982
12"	VCP	19,793			19,793
12"	PVC	10,980			10,980
12"	CP	178			178
12"	C-900	1,656			1,656
12"	CPP	1,320			1,320
15"	VCP	6,972			6,972
15"	PVC	9,494			9,494
15"	CP	233			233
15"	CPP	14,338			14,338
18"	VCP	9,464			9,464
18"	CPP	1,326			1,326
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	2,183			2,183
33"	CPP	12,821			12,821
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
	TOTAL	861,923	3,458	0	865,381

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

PEP: Polyethylene Pipe

CIP: Cast Iron Pipe

DIP: Ductile Iron Pipe

RCP: Reinforced Concrete Pipe

SOUTHWEST METROPOLITAN WATER AND SANITATION DISTRICT

WATER & SEWER SUPPLY REPORT YEAR ENDING DECEMBER 31, 2020

Taps

Water Taps Sold in 2020	26
3/4" Equivalent Water Taps Sold in 2020	32
Sewer Taps Sold in 2020	29
Single Family Equivalent Sewer Taps Sold in 2020	48

Consumption

Total Water Delivered (gallons)	2,018,571,000
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WATER & SEWER SUPPLY REPORT - (2011-2020)

	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
POPULATION:										
RS Population (3.04)	35,878.08	35,878.08	35,878.08	35,759.52	35,656.16	35,628.80	35,595.36	35,592.32	35,592.32	35,592.32
RM Population (2.04)	13,596.60	12,888.72	12,888.72	12,888.72	12,888.72	12,374.64	12,374.64	12,317.52	12,305.28	12,305.28
Total Population	49,474.68	48,766.80	48,766.80	48,648.24	48,544.88	48,003.44	47,970.00	47,909.84	47,897.60	47,897.60
WATER TAPS:										
Total Active Taps	12,693	12,667	12,642	12,642	12,598	12,554	12,536	12,512	12,499	12,482
Single Family Residential	11,505	11,479	11,479	11,440	11,406	11,388	11,379	11,368	11,367	11,366
Multi Family Residential	807	807	807	807	807	807	795	795	781	764
Commercial	381	381	381	376	366	366	363	361	359	354
Taps Sold	26	25	0	44	44	18	24	13	17	23
Single Family Residential	26	0	0	39	34	18	9	11	1	1
Multi Family Residential	0	24	0	0	0	0	12	0	14	17
Commercial	0	1	0	5	10	0	3	2	2	5
Total 3/4" Equivalents	14,981	14,949	14,837	14,837	14,778	14,697	14,676	14,608	14,593	14,558
Single Family Residential	11,511	11,479	11,479	11,479	11,440	11,405	11,384	11,375	11,364	11,363
Multi Family Residential	2,069	2,069	1,975	1,975	1,975	1,975	1,975	1,932	1,932	1,918
Commercial	1,401	1,401	1,383	1,383	1,363	1,317	1,317	1,301	1,297	1,277
3/4" Equivalents Sold	32	112	0	59	81	21	68	15	35	85
Single Family Residential	32	0	0	39	35	21	9	11	1	1
Multi Family Residential	0	94	0	0	0	0	43	0	14	68
Commercial	0	18	0	20	46	0	16	4	20	16
Tap Size Sold										
3/4"	24	0	0	39	35	17	10	11	15	3
1"	0	7	0	2	1	0	1	2	1	1
1 1/2"	2	6	0	2	5	1	12	0	0	18
2" or >	0	8	0	1	3	0	1	0	1	1

WATER & SEWER SUPPLY REPORT - (2011-2020)

	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
SEWER TAPS:										
Total Active Taps	18,783.00	18,754.00	18,406.00	18,406.00	18,362.00	18,321.00	18,059.00	18,047.00	18,015.00	18,007.00
Single Family Residential	11,802.00	11,802.00	11,802.00	11,763.00	11,729.00	11,720.00	11,709.00	11,708.00	11,708.00	11,708.00
Multi Family Residential	6,665.00	6,318.00	6,318.00	6,318.00	6,318.00	6,066.00	6,066.00	6,038.00	6,032.00	6,032.00
Commercial	316.00	315.00	315.00	310.00	303.00	302.00	301.00	298.00	296.00	296.00
Taps Sold	29.00	348.00	0.00	44.00	41.00	262.00	12.00	32.00	8.00	0.00
Single Family Residential	28.00	0.00	0.00	39.00	34.00	9.00	11.00	1.00	0.00	0.00
Multi Family Residential	0.00	347.00	0.00	0.00	0.00	252.00	0.00	28.00	6.00	0.00
Commercial	1.00	1.00	0.00	5.00	7.00	1.00	1.00	3.00	2.00	0.00
Total Single Family Equiv.	20,123.93	20,075.93	19,685.93	19,685.93	19,626.93	19,582.93	19,320.93	19,305.43	19,237.10	19,168.77
Single Family Residential	11,830.00	11,802.00	11,802.00	11,802.00	11,763.00	11,729.00	11,720.00	11,709.00	11,708.00	11,707.00
Multi Family Residential	6,665.00	6,665.00	6,318.00	6,318.00	6,318.00	6,318.00	6,066.00	6,066.00	6,038.00	6,010.00
Commercial	1,628.93	1,608.93	1,565.93	1,565.93	1,545.93	1,535.93	1,534.93	1,530.43	1,491.10	1,451.77
Single Family Equiv. Sold	48.00	390.00	0.00	59.00	44.00	262.00	15.50	68.33	10.43	0.00
Single Family Residential	28.00	0.00	0.00	39.00	34.00	9.00	11.00	1.00	0.00	0.00
Multi Family Residential	0.00	347.00	0.00	0.00	0.00	252.00	0.00	28.00	6.00	0.00
Commercial	20.00	43.00	0.00	20.00	10.00	1.00	4.50	39.33	4.43	0.00
CONSUMPTION:										
Total Water Delivered*	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	2,012,072.00	2,302,275.00
Gal./3/4" Equivilant/Day	369.16	308.45	331.23	342.57	338.67	326.39	323.94	434.52	377.75	433.27
Gal./Capita/Day	111.78	94.55	100.78	104.48	103.10	99.93	99.11	132.49	115.09	131.69
Gal./Account/Day	435.70	364.02	388.74	402.05	397.27	382.11	379.24	507.31	441.04	505.34
Single Family Res. - Delivered*	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	1,309,105.00	1,499,194.00
Gal./3/4" Equivilant/Day	323.21	270.64	291.85	291.63	299.80	283.74	263.77	361.71	315.61	361.47
Gal./Account/Day	323.38	270.64	291.85	292.63	300.70	284.17	263.89	361.93	315.53	361.37
Mult-Family Res. - Delivered*	325,427.00	301,667.00	337,340.00	352,078.00	305,315.00	305,455.00	342,253.00	421,141.00	352,712.00	406,449.00
Gal./3/4" Equivilant/Day	430.92	399.46	467.96	488.40	423.53	423.73	474.77	597.21	500.17	580.58
Gal./Account/Day	1,104.81	1,024.14	1,145.25	1,195.29	1,036.53	1,037.00	1,179.47	1,451.33	1,237.30	1,457.54
Commercial - Delivered*	335,153.00	247,442.00	233,662.00	281,204.00	269,588.00	264,268.00	297,011.00	393,887.00	350,255.00	396,632.00
Gal./3/4" Equivilant/Day	655.41	483.89	462.88	557.07	541.89	549.75	617.87	829.47	739.86	850.95
Gal./Account/Day	2,410.05	1,779.33	1,680.24	2,048.99	2,018.03	1,978.20	2,241.68	2,989.31	2,672.99	3,069.67

*in thousands of gallons

WATER & SEWER SUPPLY REPORT - (2011-2020)

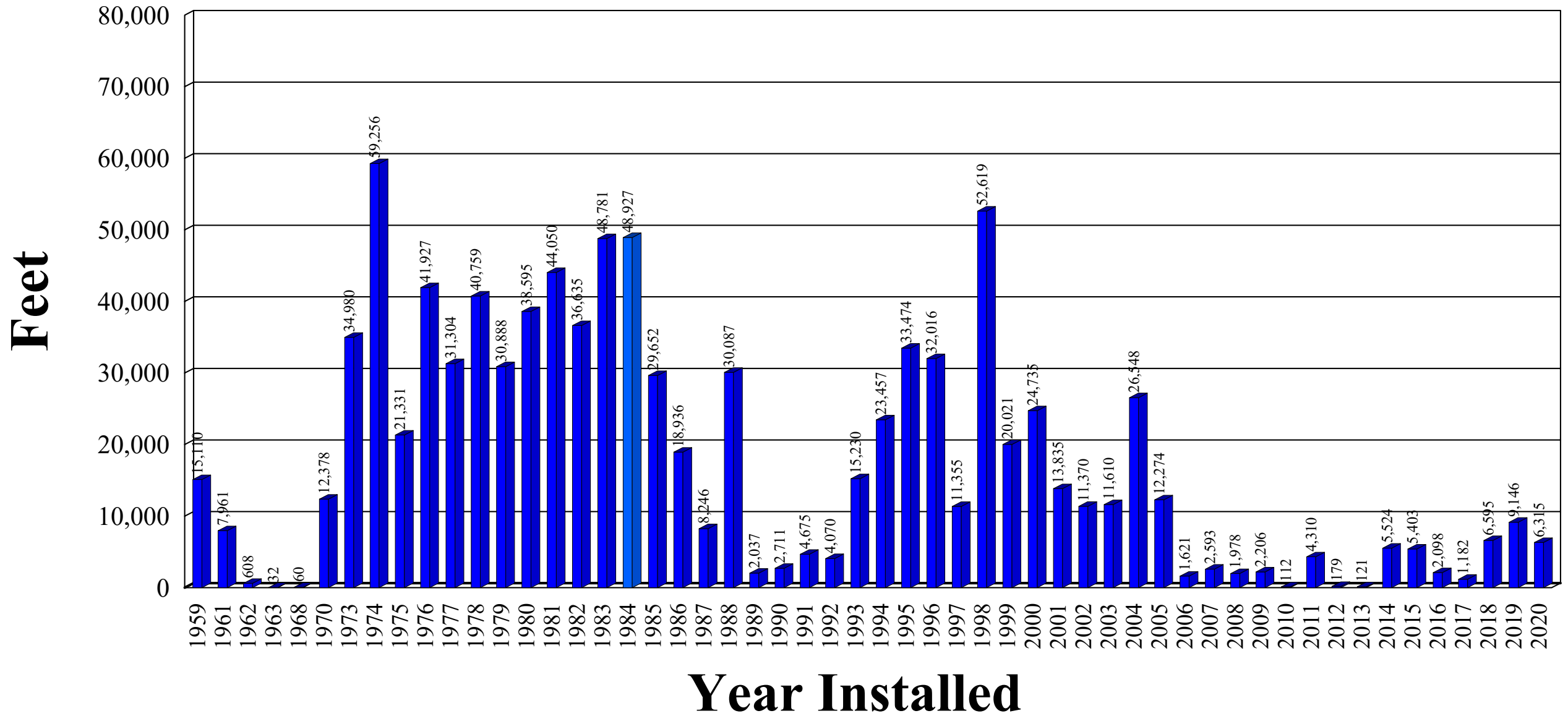
FACILITY:	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
Water										
Distribution Mains*	174.53	173.75	173.63	173.26	173.19	173.19	173.17	173.17	173.17	173.00
Insatllted (new)**	4,163.20	618.00	1,948.00	349.00	0.00	130.00	0.00	0.00	905.00	976.00
Installed (replaced)**	1,972.00	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	19	6	10	8	12	14	12	7	12
Valves Op. & Serv.	3,308	3,293	3,290	3,268	3,223	3,249	3,195	3,095	3,192	3,167
Distribution Main Flushing	604	650	653	645	645	561	550	144	521	516
Hydrants Op. Serv.	1,560	1,557	1,545	1,384	1,528	1,528	1,513	1,514	1,512	1,500
Sewer										
Collection Mains	146.31	145.65	145.60	145.27	145.09	145.09	145.09	144.73	144.73	144.73
Installed (new)**	3,457.70	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*	17.59	178.51	181.53	17.59	17.71	17.71	17.71	17.80	17.80	17.80
No. Sewer Backups	0	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00
Main Televised**	199,477	242,390.00	204,490.00	201,790.00	194,616.00	239,904.00	190,698.00	205,685.00	193,680.00	211,962.00
Main Hyd. Cleaned**	204,080	217,167.00	203,934.00	239,263.00	60,438.00	61,857.00	62,030.00	66,405.00	65,374.00	62,621.00
Main Root Cut**	10,921	15,784.00	10,156.00	8,345.00	12,922.00	14,259.00	13,338.00	12,955.00	13,660.00	17,073.00
Main Root Treated**	883	1,287.00	883.00	1,287.00	2,170.00	0.00	883.00	1,287.00	1,685.00	0.00
ADMINISTRATION:										
No. Full Time Equivalent	12.70	12.12	12.26	12.08	11.97	10.94	11.34	10.73	10.66	11.02
Total Hours Worked	26,422.00	25,208.16	25,495.00	25,136.00	24,891.00	22,745.00	23,590.00	22,324.00	22,170	22,913.15
Total Hours Worked(PC)	10,676.00	9,839.48	10,808.00	9,935.00	9,156.00	8,569.00	9,213.00	9,021.00	9,404	9,287.62
Administration	6,688.00	5,942.92	6,306.00	5,347.00	4,746.00	4,115.00	5,189.00	4,704.00	4,874.00	4,742.68
Maintenance	3,988.00	3,896.56	4,502.00	4,588.00	4,410.00	4,454.00	4,024.00	4,317.00	4,530.00	4,544.94
Total Hours Worked(SWM)	13,086.00	13,191.18	12,294.00	12,681.00	12,941.00	12,085.00	12,419.00	11,707.00	11,012.00	11,658.03
Administration	6,618.00	5,824.41	5,615.00	5,359.00	6,113.00	4,470.00	6,071.00	4,967.00	4,869.00	5,206.28
Maintenance	6,468.00	7,366.77	6,679.00	7,322.00	6,828.00	7,615.00	6,348.00	6,740.00	6,143.00	6,451.75
Total Hours Worked(Others)	2,660.00	2,177.50	2,393.00	2,520.00	2,794.00	2,091.00	1,958.00	1,596.00	1,754.00	1,967.50
Administration	1,170.00	834.75	871.00	1,201.00	1,047.00	1,255.00	617.00	423.00	300.00	358.00
Maintenance	1,490.00	1,342.75	1,522.00	1,319.00	1,747.00	836.00	1,341.00	1,173.00	1,454.00	1,609.50

* miles

** feet

SOUTHWEST METROPOLITAN W&S

Water Pipe Installed By Year



Total

15,110

7,961

608

32

60

12,378

34,980

59,256

21,331

41,927

31,304

40,759

30,888

38,595

44,050

36,635

48,781

48,927

29,652

Total

18,936

8,246

30,087

2,037

2,711

4,675

4,070

15,230

23,457

33,474

32,016

11,355

52,619

20,021

24,735

13,835

11,370

11,610

26,548

12,274

	4				6				8				10	12					15	16				18	20	24	
	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	STEEL PIPE	STEEL PIPE	DUCTILE IRON PIPE	DUCTILE IRON 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	3,445	0	0	0	0	306	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	0	0	9	0	0	0
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	388	41	0	0	0	4,591	0	0	0	0	3,640	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	1,035	0	0	180	1,885	0	0	0	0	0	0	0	0	3,216	0	0	0	0	0	0	0	0	0	0
Total	2,938	290	1,189	4,487	142,809	6	70,680	43,891	128,373	408	101,570	166,887	161	92,291	2,750	71,815	61,240	74	10	3,862	9,167	33,817	50	2,993	7,947	2,219	

2/16/2021

Total

1,621

2,593

1,978

2,206

112

4,310

179

121

5,524

5,403

2,098

1,182

6,595

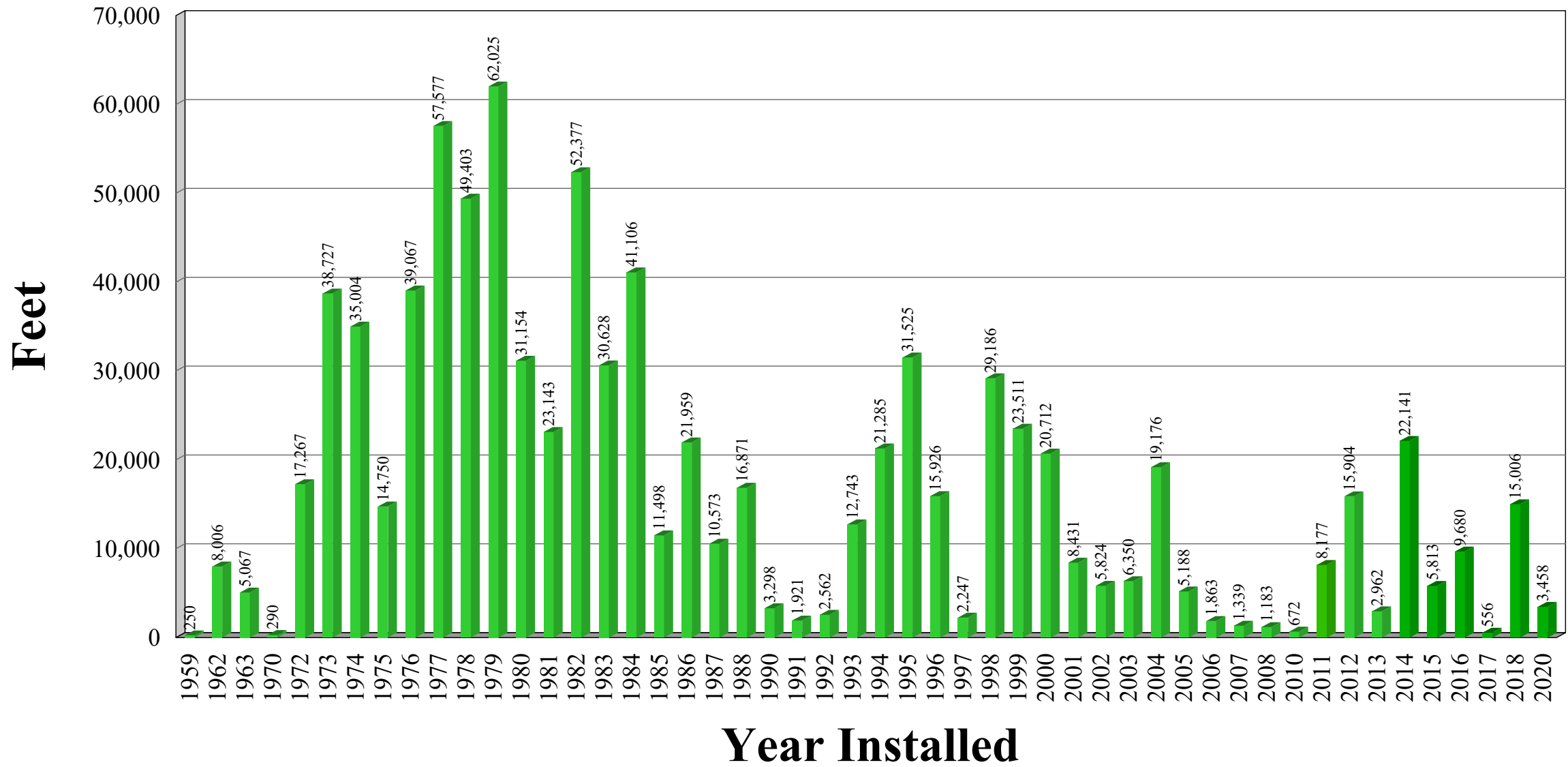
9,146

6,315

951,923

SOUTHWEST METROPOLITAN W&S

Sewer Pipe Installed By Year



	45	48	60	Total
	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	
1959	0	0	0	250
1962	0	0	0	8,006
1963	0	0	0	5,067
1970	0	0	0	290
1972	0	0	0	17,267
1973	0	0	0	38,727
1974	0	0	0	35,004
1975	0	0	0	14,750
1976	0	0	0	39,067
1977	0	0	0	57,577
1978	0	0	0	49,403
1979	0	0	0	62,025
1980	0	0	0	31,154
1981	0	0	0	23,143
1982	0	0	0	52,377
1983	0	0	0	30,628
1984	0	0	0	41,106
1985	0	0	0	11,498
1986	0	0	0	21,959
1987	0	0	0	10,573
1988	0	0	0	16,871
1990	0	0	0	3,298
1991	0	0	0	1,921
1992	0	0	0	2,562
1993	0	0	0	12,743
1994	0	0	0	21,285
1995	0	0	0	31,525
1996	0	0	0	15,926

	8				10			12				15				18			21			24	27	33	36	42			
	C-900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	C-900 POLYVINYL CHLORIDE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	C-900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	Polyvinyl Chloride	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	SPRILITE POLYETHYLENE PIPE
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	
1998	23,831	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	9,986	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	17,507	0	0	2,247	0	0	0	0	0	0	0	0	0	0	958	0	0	0	0	0	0	0	0	0	0	0	0	0	
2001	802	0	0	7,629	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	5,120	0	0	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	
2004	17,629	0	0	0	0	0	0	0	0	1,292	0	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	
2005	5,188	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	
2006	0	0	1,121	226	0	0	0	0	0	0	516	0	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	
2008	576	0	0	0	0	0	0	0	607	0	0	0	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	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011	0	0	0	1,869	0	0	0	0	0	0	0	0	0	5,117	0	0	0	0	0	1,053	0	0	0	138	0	0	0	0	
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	12,821	3,083	0	0	
2013	2,962	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	2,912	0	0	0	0	0	28	0	0	0	0	2,024	0	0	346	0	0	1,612	0	0	0	2,045	0	1,921	2,816	0
2015	989	0	0	0	0	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,499	0	0	
2016	188	0	0	1,514	0	0	0	0	0	0	0	0	233	6,765	0	0	980	0	0	0	0	0	0	0	0	0	0	0	
2017	111	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	9,339	0	0	0	0	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2020	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	
Total	146,974	250	3,616	471,756	91,368	4,982	14,582	5,049	1,656	178	1,320	10,980	19,793	233	14,338	9,494	6,972	1,326	1,799	9,464	2,665	6,038	3,019	153	2,183	12,821	9,503	2,816	1,616

	45	48	60	Total
	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	
1997	0	0	0	2,247
1998	0	0	0	29,186
1999	0	0	0	23,511
2000	0	0	0	20,712
2001	0	0	0	8,431
2002	0	0	0	5,824
2003	0	0	0	6,350
2004	0	0	0	19,176
2005	0	0	0	5,188
2006	0	0	0	1,863
2007	0	0	0	1,339
2008	0	0	0	1,183
2010	0	0	0	672
2011	0	0	0	8,177
2012	0	0	0	15,904
2013	0	0	0	2,962
2014	318	6,708	1,411	22,141
2015	0	0	0	5,813
2016	0	0	0	9,680
2017	0	0	0	556
2018	0	0	0	15,006
2020	0	0	0	3,458
Total	318	6,708	1,411	865,381