

# WESTCHESTER JOINT WATER WORKS

*Serving the Member Municipalities of the*

VILLAGE OF MAMARONECK

TOWN OF MAMARONECK

TOWN/VILLAGE OF HARRISON

and portions of the

CITY OF NEW ROCHELLE

and the

CITY OF RYE

## ANNUAL REPORT OF OPERATIONS - 2003

### TRUSTEES

Stephen Malfitano  
Philip Trifiletti  
Valerie O'Keeffe

Chairperson  
Vice-Chairperson  
Treasurer - Clerk

\* \* \*

John G. Hock, P.E., Manager

Richard A. Ruge, General Superintendent

Donald S. Mazin, Attorney

# NEW DUMP TRUCK PLACED IN SERVICE



**Distribution Department employees pose in front of their new dump truck. The blue 2004 Mack 6 cylinder Diesel dump truck has a 6 cubic yard capacity and was delivered on November 20, 2003.**

**Standing, left to right, are Distribution Superintendent Donald DeFalco, Distribution Foreman Ralph Faga, Motor Equipment Operator Steve Bisceglia, Water Maintenance Men Grade I Dan Roeder and Joe Webb. In the bed of the truck, standing left to right, are Laborers John Ammerman, Tom Falco, Sal Garufi and Water Maintenance Man Grade II Ken Lindhjem. Inventory Control Clerk Roger Wheeler was not present when the photograph was taken.**

**THE WEATHER - SALES AND EXPENSES**

The year 2003 was, similar to the year 2000, relatively wet. In fact precipitation occurred on 114 days, totaling 58.20 inches, the most since 1996. By comparison, the year 2002 had only 91 days of rain, although 56.36 inches was recorded that year.

The frequency and amount of rain had a seriously adverse effect on retail sales, particularly in June, when 10.75 inches of rain fell on 17 days, the most in over 25 years. Retail sales decreased 211 mg or 7.8% from 2002 sales, which due to drought restrictions that year had dropped 230 mg or 7.8% from 2001 levels.

Precipitation is measured at the Larchmont Plant on Weaver Street in the Town of Mamaroneck.

The weather also had an adverse effect on expenses. January and February of 2003 were extremely cold months, contributing to an unusually high number of main breaks. On one day, January 29, 2003, the Water Works experienced four breaks, necessitating the employment of three outside contractors to supplement the Water Works' forces.

**CAPITAL IMPROVEMENTS - JOINT PROJECTS****NEW CHLORINATION SYSTEM AT LARCHMONT PLANT**

The pilot study of the use of tablet chlorination instead of gaseous chlorine at the Larchmont Plant continued throughout 2003. Additional calcium and hardness testing that will conclude in February 2004 was requested by the Westchester County Health Department. A final report on the pilot study will be submitted to the Health Department in April 2004.

**VALVE REPLACEMENT PROGRAM**

Two inoperable valves on the transmission system were replaced in 2003. The first was Valve No. 1, a 16" gate valve in the Town of Harrison on Purchase Street at Westerleigh Road, which was replaced with a butterfly valve. The second was Valve No. 804, a 10" tapping valve on Boston Post Road at Hommocks Road in the Town of Mamaroneck.

**VALVE INSTALLATION PROGRAM**

Two new 16" butterfly valves were installed on transmission mains, which will localize service interruptions should a shutdown be required. The first valve was installed in the Village of Mamaroneck on Fenimore Road at Waverly Avenue. The second valve was installed in the Town of Mamaroneck on Myrtle Boulevard at Vine Street.

## **CAPITAL IMPROVEMENTS - LOCAL PROJECTS**

### **WATER MAIN INSTALLATIONS**

#### **VILLAGE OF MAMARONECK**

The existing 6" steel and cast iron water main on Orienta Avenue, originally installed in 1885, had many costly failures since 2001. The main was severely deteriorated and had a poor hydraulic coefficient when tested in 2002. The main was replaced with 1,828 feet of 12" ductile iron pipe between Skibo Lane and Flagler Drive. Additionally, 34 feet of 8" ductile iron pipe and 69 feet of 6" ductile iron pipe was replaced at the intersection reconnections. Two additional fire hydrants were installed as recommended by the Fire Department. This has improved fire protection to the area.

Nautilus Lane was a carryover project from 2002. The existing 6" asbestos cement water main which had been installed in 1954, experienced two costly main breaks in 2001, and was replaced with 635 feet of 8" ductile iron pipe.

#### **TOWN OF HARRISON**

The existing 8" cast iron main on Indian Trail was installed in 1931. Many main failures have occurred in recent years between Union Avenue and Seneca Trail. This was mainly attributable to the disturbance of the trench when the sewer adjacent to this main was replaced several years ago. The cast iron main was replaced with 658 feet of 8" ductile iron pipe.

#### **CITY OF RYE**

An installation on Greenhaven Road was a 2002 carryover project. The existing 6" cast iron pipe was installed prior to 1927. There had been three main breaks since 1997. The main was replaced with 1,060 feet of 8" ductile iron pipe between Rye Road and Norman Drive. The larger main will improve fire protection to the area.

### **MAPS AND RECORDS**

An additional 26 intersections were surveyed, plotted and drafted and 41 intersection sheets were revised, bringing the total surveyed and plotted to 1,715 out of a total of 1,777 in the system.

## **LEAK SURVEY AND UNACCOUNTED FOR WATER**

The leak survey program was continued again in 2003, with 146 miles of pipe examined. JBF Incorporated was contracted for this survey. A total of 62 leaks were reported and repaired. It is estimated that these leaks represented a potential loss of over 2,000,000 gallons of water per day. Repair of these leaks resulted in estimated annualized savings to the Water Works of over \$600,000.\*

The effectiveness of the ongoing leak detection program on a long range basis can be seen by referring to the graph of Unaccounted for Water by Year in the Appendix to this report. In 2003 the Water Works had 217.8 miles of pipe in service, an increase of 17.3% over the amount in service in 1974 when efforts at leakage control were first instituted. Over that same period of time, the amount of unaccounted water has been reduced from 950 mg to 434 mg on an annual basis. However, the loss per mile over that 29 year period was reduced by 61.1% from 14,062 gpd per mile of pipe to 5,464 gpd per mile of pipe.

The amount of unaccounted-for water rose, however, in 2003, compared to 2002, when it had reached a record low of 262 mg for over 31 years. The extremely cold winter months, which were responsible for an unusual number of reported main breaks, was undoubtedly a factor in the creation of additional failures which were either subsequently discovered during the leak survey or which have not yet surfaced and/or been discovered. Indicative of this condition is the fact that the leak survey located 62 leaks and/or breaks - the most since 1993, when 68 were discovered - compared to only 38 in 2002. All 62 leaks were repaired.

## **CROSS CONNECTION CONTROL PROGRAM**

Backflow prevention devices are in service on 269 premises, compared to 229 at the end of 2002. With minor exceptions, all such devices were tested in 2003.

Reduced Pressure Zone (RPZ) devices were in service on 234 premises. Double Check Valves were in service on 89 premises. Some customers have both types of devices, depending upon the hazard.

## **ELECTRONIC REMOTE METER CONVERSION PROGRAM**

The conversion of meters from generator register to electronic register remote units, begun in 1995, continued actively in 2003. Electronic remotes are now in place in 1,417 of the 1,466 meters located in pits.

In 2003, 21 pit settings and 407 interior settings were equipped with electronic remotes, for a total of 5,014 electronic remote units in service, an increase of 428 from 2002.

\*Based upon an average cost of water of \$782.84/mg, consisting of purchased water (including excess per capita charges), power and chemicals, and excluding all other cost components and overhead.

## **PERSONNEL**

### **EDUCATION AND TRAINING**

Laborer Anthony Carelli took and completed the backhoe operator's training course given by Southern Westchester BOCES in Valhalla.

A Competent Person Excavation Safety Course was offered by the New York Section AWWA at the Millwood Plant in New Castle in October, and five Water Works employees took and completed the course - Daniel Roeder, Terrence O'Neill, Kenneth Lindjhem, George Wohlleber and Joseph Webb.

In November, the Water Works offered a Defensive Driving Course, and 23 employees took the course, which made them eligible for insurance premium and license-point reductions.

### **STAFFING CHANGES IN 2003**

Meter and Service Superintendent Linda Staiger retired on February 28 after holding that position since 1989. Linda was an employee of the Water Works for over 23 years, having begun her career in 1979 as an Intermediate Clerk in the Meter and Service Department and then being promoted to Senior Data Entry Operator in 1986. Her replacement, Laurence Murphy, was hired on February 18.

In the Distribution Department, Tom Falco returned to the Water Works on May 20 after completion of his service with the U.S. Marines. Steve Bisceglia was hired as a Laborer on February 3 and was promoted to Motor Equipment Operator on July 21, 2003, upon the retirement of Frank Bilotta on July 18, 2003. Frank began his career with the Water Works as a Laborer in 1972 and was the Motor Equipment Operator since 1989, providing 26 years of service to the Water Works.

### **SERVICE AWARDS**

Awards for 30 years of service were presented to George Belsito and Donald DeFalco and for 15 years of service to Ed Murray at the second annual Holiday Party on December 19 at the Bonnie Briar Golf Club by Chairman and Trustee Stephen Malfitano. Tom Delco and Lou Santoro also completed 15 years of service.

## **FINANCIAL STATEMENTS**

The accounts of the Water Works were audited by the Bennett Kielson Storch DeSantis Division of O'Connor Davies Munns & Dobbins, LLP, Certified Public Accountants, and have been found in good order. The Appendix to this report includes a copy of the balance sheet and statement of income from their report.

## ENGINEERING DEPARTMENT

George Belsito  
Engineering Technician

### MAIN INSTALLATIONS

During 2003 a total of 4,371 feet of water main was installed in the system ranging in size from 6 to 12 inches in diameter. The following table summarizes the installations by municipality and pipe diameter. Table I in the Appendix provides the details of each installation. Table IV in the Appendix provides a summary of the total footage of pipe in the system.

<u>Municipality</u>	<u>Length in Feet</u>			<u>Total</u>
	<u>6"</u>	<u>8"</u>	<u>12"</u>	
Village of Mamaroneck	69	756	1,828	2,653
Town of Mamaroneck	-	-	-	-
Town of Harrison	-	658	-	658
City of Rye	-	1,060	-	1,060
<u>City of New Rochelle</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total	69	2,474	1,828	4,371

### MAIN RETIREMENTS

A total of 4,472 feet of water main was retired during 2003. The following table summarizes the retirements by municipality. Table II in the Appendix provides the details of each retirement.

<u>Municipality</u>	<u>Length in Feet</u>			<u>Total</u>
	<u>4"</u>	<u>6"</u>	<u>8"</u>	
Village of Mamaroneck	29	2,610	28	2,667
Town of Mamaroneck	-	-	-	-
Town of Harrison	-	-	658	658
City of Rye	-	1,060	87	1,147
<u>City of New Rochelle</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total	29	3,670	773	4,472

### FIRE HYDRANTS

Two (2) fire hydrants were added to the system in conjunction with the replacement of a water main on Orienta Avenue in the Village of Mamaroneck as detailed in Table III of the Appendix. Table V in the Appendix shows the total number of hydrants in service by municipality and fire district.

## PLANT DEPARTMENT

**Richard Ruge**  
**General Superintendent**

### PRODUCTION AND SALES

Total production or purchase of water decreased by 5.8% or 242.3 million gallons and sales decreased by 11.0% or 415.0 mg when compared to 2002. Unaccounted-for or non-revenue water increased by 172.7 mg. Unaccounted-for water includes water used for municipal purposes, fire fighting, loss through leakage and breaks, unmetered sales, flushing and under-registration of meters.\*

The following table shows the quantity of water produced by source and the quantity of water sold for both 2002 and 2003.

<u>Source of Supply</u>	<u>PRODUCTION, mg</u>	
	<u>2003</u>	<u>2002</u>
Shaft 22 Delaware Aqueduct	2,484.4	2,546.5
Rye Lake	1,729.0	1,909.2
Aquarion Water Company of NY	-	-
<u>United Water New Rochelle</u>	<u>0.4</u>	<u>0.4</u>
Total Production	4,213.8	4,456.1

	<u>SALES, mg</u>	
	<u>2003</u>	<u>2002</u>
Retail	2,506.4	2,717.0
<u>Wholesale</u>	<u>1,273.2</u>	<u>1,477.6</u>
Total Sales	3,779.6	4,194.6

Average daily production was 11.55 mg including wholesale sales, or 8.06 mg excluding wholesale sales. The maximum daily demand of 20.96 mg (including wholesale sales) occurred on Tuesday, July 8, 2003.

### PRECIPITATION

A total of 58.20 inches of rain fell on 114 days in 2003 compared to 56.36 inches on 91 days in 2002.

\* The Appendix includes a graph of unaccounted-for water for the years 1972 to 2003.

**DISTRIBUTION DEPARTMENT****Donald DeFalco  
Distribution Superintendent****Maintenance, Repairs and Replacements**

The following tabulation summarizes the major maintenance, repair and replacement projects performed by Distribution Department personnel in 2003 with comparison to 2002.

	<u>2003</u>	<u>2002</u>
Water Main Leaks and Breaks Repaired	41	28
Service Line Leaks and Breaks Repaired	81	50
Service Lines Replaced	29	49
Water Service Taps Made	11	34
Valves Inspected	212	321
Valves Repaired	14	17
Valves Replaced	4	12
Valve Boxes Raised or Repaired	65	59
Hydrants Inspected - Comprehensive	383	785
- Winter	741	817
Hydrants Flushed	1,455	53 <sup>(1)</sup>
Hydrants Replaced	27 <sup>2</sup>	28
Hydrants Painted	825 <sup>3</sup>	401
Hydrants Repaired	242	133
Curb Boxes Raised or Repaired	36	21

- (1) Due to drought restrictions, no comprehensive flushing was conducted in 2002.
- (2) Excludes hydrants relocated or upgraded in lateral size from 4" to 6" and new installations.
- (3) Includes 765 hydrants in the Village of Mamaroneck and 60 other hydrants throughout the system.

**CUSTOMER ACCOUNTS****Denis Brucciani  
Office Manager**

In 2003 the net number of customer accounts increased by 15 consisting of 12 new domestic accounts and 3 new seasonal accounts.

CUSTOMER ACCOUNTS AS OF 12-31-03

Municipality Total	Domestic	Seasonal	Fire Service	Fire Hydrant <sup>(1)</sup>		
				Public	Private	
Village of Mamaroneck	4,330	59	148	1	9	4,547
Town of Mamaroneck	3,096	24	33	1	7	3,161
Town of Harrison	4,128	146	88	3	25	4,390
City of Rye	340	35	1	1	2	379
City of New Rochelle	71	0	0	0	0	71
Wholesale	11 <sup>(2)</sup>	0	0	0	0	11 <sup>(2)</sup>
<b>Total</b>	<b>11,976</b>	<b>264</b>	<b>270</b>	<b>6</b>	<b>43</b>	<b>12,559</b>

(1) Public Hydrant customers consist of each municipality and fire district billed; each of these customers is billed for the actual number of public hydrants (ranging from 27 to 476) in the municipality or district. Each private hydrant is counted as a separate customer, even though more than one hydrant may be billed to the same customer name.

(2) Consists of two (2) United Water New Rochelle accounts, four (4) Village of Larchmont accounts, three (3) Aquarion Water Company of New York accounts and two (2) Harrison Water District No. 1 accounts.

**SERVICE DEPARTMENT****Linda Staiger  
Service Superintendent**

Field testing of large meters was done by Toomey Water Services, Hydrotech Mechanical Services, Inc., Moore and Kling, Inc., Connecticut Water Company and Cain Controls. Acceptance tests of new meters, check-testing and special tests continued to be made in-house.

The number of remote reading meters installed totalled 428 compared to 379 in 2002. A total of 12,200 meters have been equipped with remote reading devices, of which 3,597 are Electronic Communications Registers (ECRs) and 1,417 are TouchRead PitLids (TR/PLs).

A total of 40 backflow preventers were installed and approved at 33 customers' premises in 2003 of which 21 were RPZ's and 19 were DCV's .

<u>ACTIVITY</u>	<u>2003</u>	<u>2002</u>
Total Meters Set	563	441
Total Meters Removed	535	407

## Seasonal Meters

Set	9	4
Reassembled	222	229
<hr/> Total Set and Assembled	<hr/> 231	<hr/> 233
Removed	3	4
Dismantled	228	230
<hr/> Total Removed and Dismantled	<hr/> 231	<hr/> 233

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## Remote-Equipped Meter Installations

New Customers	55	45
Conversions	400	292
<hr/> Total Remote Installations	<hr/> 455	<hr/> 337
Meter Changes Made (Principal Reason Given*)		
Routine - Due to age	-	-
- Frozen	51	3

\*Meters changed for reasons other than Conversion to ECR and TR/PL Remotes were also removed (if not previously removed); generator register meters were converted to ECR remotes.

**SERVICE DEPARTMENT (continued)**

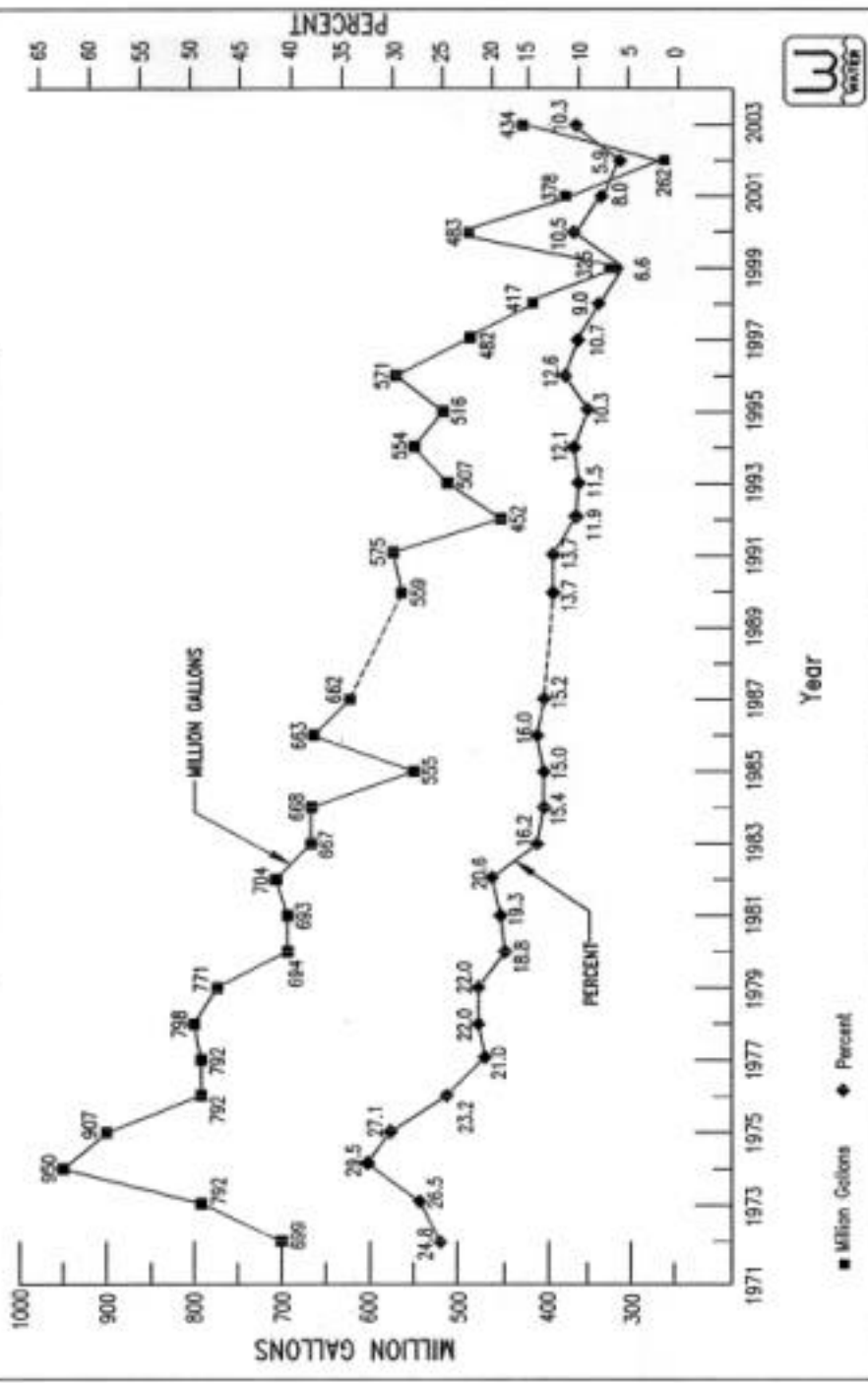
<u>ACTIVITY</u>	<u>2003</u>	<u>2002</u>
Meter Changes Made , continued		
Defective - Stuck	26	24
- Noisy	6	8
- Leaking	12	8
- Otherwise Damaged	3	3
Change of Size	8	1
Request for Special Test	2	11
<u>Conversion to Remote</u>	<u>400</u>	<u>292</u>
Total Changes Made	508	347
Meters Tested		
Westchester Joint Water Works <sup>(1)</sup>	37	47
<u>Outside Contractors</u>		
Toomey Water Services	22	-
Hydrotech Mechanical Services, Inc.	2	24
Moore and Kling, Inc. <sup>(2)</sup>	4	4
Connecticut Water Co. <sup>(2)</sup>	3	3
<u>Cain Controls<sup>(2)</sup></u>	<u>5</u>	<u>5</u>
Sub-Total, Outside Contractors	36	36
Total Tests	73	83
New Meters Purchased	434	360
Old Meters Scrapped	557	434
Year End Meter Inventory	404	589
Hydrant Use Permits Issued	12	11
Hydrants Called Out of Service	114	168

See Appendix, Table VI for the total number of meters in service by size, and Table VII for the number of remote-equipped meters in service as of year-end.

- (1) Of the 33 meters tested by the Westchester Joint Water Works in the shop, 31 were acceptance tests of new meters and 2 were special tests made at customers' and Manager's request.
- (2) Field testing of master meters owned by Westchester Joint Water Works and its wholesale customers.

## **APPENDIX**

# Unaccounted for Water by Year



**TABLE I**  
**WATER MAIN INSTALLATION PROJECTS**  
**2003**

<u>AUTH</u>	<u>MUNICIPALITY</u>	<u>LOCATION</u>	<u>LENGTH DIAM. TYPE</u>		
			<u>Ft.</u>	<u>In.</u>	<u>PIPE</u>
1203 (L)*	Village of Mamaroneck	Nautilus Lane	635	8	DI
1204 (J)	City of Rye	Greenhaven Road	1,060	8	DI
1208 (L)	Village of Mamaroneck	Oriente Avenue	1,828	12	DI
			34	8	DI
			69	6	DI
1211 (D)	Village of Mamaroneck	So. Barry Ave. Bridge	87	8	DI
1212 (L)	Town of Harrison	Indian Trail	658	8	DI
Total Length Installed, All Sizes			4,371		

NOTES:

- (D) Developer Project
  - (L) Local Project
  - (J) Joint Project
  - DI Class 52 Ductile Iron, Cement Lined
- \*This project was started in 2002

**TABLE II**

**WATER MAIN RETIREMENT PROJECTS**

**2003**

<b>AUTH</b>	<b>MUNICIPALITY</b>	<b>LOCATION</b>	<b>LENGTH ft.</b>	<b>DIAM. in.</b>	<b>TYPE PIPE</b>
1203 (L)	Village of Mamaroneck	Nautilus Lane	776	6	AC
1204 (J)	City of Rye	Greenhaven Road	1,060	6	CI
1208 (L)	Village of Mamaroneck	Orienta Avenue	1,834	6	CI
			28	8	CI
			29	4	CI
1211 (D)	City of Rye	So. Barry Ave. Bridge	87	8	CI
1212 (L)	Town of Harrison	Indian Trail	658	8	CI
Total Length	Retired, All Sizes		4,472		

**NOTES:**

- (L) - Local Project
- (J) - Joint Project
- (D) - Developer
- CI - Cast Iron
- DI - Ductile Iron
- GI - Galvanized Iron

**TABLE III**

**FIRE HYDRANT INSTALLATIONS AND IMPROVEMENTS<sup>(1)</sup>**

**2003**

<u>AUTH</u>	<u>HYDRANT NO</u> <sup>(2)</sup>	<u>LOCATION</u>	<u>INSTALLATION</u> <sup>(3)</sup>
1208 (L)	1405, 1406	Orienta Avenue	Mueller Centurion

NOTES:

- (1) The above list includes those hydrants installed under authorizations which apply to relocations, improvements and new hydrants only. Hydrants replaced under routine maintenance procedures are not included.
- (2) The 1000 series hydrants are in the Village of Mamaroneck. The 2000 series hydrants are in the Town of Mamaroneck. The 3000 series hydrants are in the Town of Harrison. The 4000 series hydrants are in the City of Rye.
- (3) All hydrants listed are new installations.

NOTES:

- (D) Developer Projects
- (L) Local Projects
- (J) Joint Project

**TABLE IV**

**SUMMARY OF PIPE IN SERVICE**

<b>DIAMETER</b> Inches	<b>LENGTH</b> Feet 12-31-02	<b>2003</b>		<b>LENGTH</b> Feet 12-31-03
		<b>INSTALLATIONS</b> Feet	<b>RETIREMENTS</b> Feet	
1	1,273	-	-	1,273
1 →	7,080	-	-	7,080
2	16,504	-	-	16,504
4	19,675	-	29	19,646
6	528,695	69	3,670	525,094
8	236,778	2,474	773	238,479
10	55,738	-	-	55,738
12	112,978	1,828	-	114,806
14	1,016	-	-	1,016
16	90,930	-	-	90,930
20	28,129	-	-	28,129
24	19,694	-	-	19,694
30	27,870	-	-	27,870
36	3,539	-	-	3,539
<b>TOTAL</b>	<b>1,149,899</b>	<b>4,371</b>	<b>4,472</b>	<b>1,149,798</b>

or  
217.8 miles

**TABLE V**

**SUMMARY OF HYDRANTS IN SERVICE**

<b><u>Municipality</u></b>	<b>As of <u>12-31-02</u></b>	<b><u>Additions</u></b>	<b><u>Removals</u></b>	<b>As of <u>12-31-03</u></b>
Village of Mamaroneck	396	2	-	398
Town of Mamaroneck	341	-	-	341
Town of Harrison:				
Fire District 2	476	-	-	476
Fire District 3	27	-	-	27
Fire District 4	231	-	-	231
City of Rye	49	-	-	49
Private	43	-	-	43
Water Works Hydrants	8	-	-	8
<b>TOTAL</b>	<b>1,571</b>	<b>2</b>	<b>-</b>	<b>1,573</b>

**TABLE VI**  
**METERS IN SERVICE BY SIZE**  
**AS OF 12-31-03\***

<u>Size</u>	<u>Number</u>
5/8"	9,503
3/4"	1,796
1"	620
1-1/2"	185
2"	185
3"	14
4"	10
6"	2
8"	4
10"	1
<hr style="width: 100%; border: 0.5px solid black;"/> TOTAL	<hr style="width: 100%; border: 0.5px solid black;"/> 12,320

\* This table includes all Water Works-owned meters in service at the end of the year including 176 5/8" meters installed on bypasses around fire line detector check valves.

**TABLE VII**  
**REMOTE READER EQUIPPED CUSTOMERS**

**As of 12-31-03**

<u>District</u>	<u>Number Of Accounts*</u>	<u>ECR Remotes In Service</u>	<u>TR/PL Remotes In Service</u>	<u>Total Remotes In Service</u>	
				<u>Number</u>	<u>%</u>
1	4,485	1,226	286	4,397	98.0
2	3,134	1,011	151	3,108	99.2
3	4,339	1,236	893	4,257	98.1
41	376	92	86	367	97.6
42	71	32	1	71	100.0
<b>TOTAL</b>	12,405	3,597	1,417	12,200	98.3

Prior to 1996 the percentage of accounts considered remoted was based on a net number of accounts with meters in buildings only. The percentage shown above is based on all accounts, whether in buildings or pits.

Of the 12,200 remoted accounts, 3,597 are equipped with electronic communication registers (ECR's) and 1,417 in pits are equipped with Touch Read Pit Lid (TR/PL) electronic registers. The total number of electronic registers is 5,014 or 41.1% of all remote devices installed, compared with 4,586 or 37.6% the prior year.

\*Public and private hydrants, Class B fire lines and wholesale customers are excluded from the total number of accounts listed in this table. This column includes only domestic, seasonal and Class A fire line customers.