

ANNUAL REPORT
OF THE
WATER SUPPLY DISTRICT
OF
ACTON, MASSACHUSETTS



For the Year Ending December Thirty-first

1985

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ORGANIZATION - 1985

Water Commissioners

William P. Walsh	Term expires 1986
Joseph H. Lauzon	Term expires 1987
Alvin R. Piper, Sr.	Term expires 1988

Moderator

John Putnam	Term expires 1986
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Clerk

Anita E. Page	Term expires 1986
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Finance Committee

William L. Kingman	Term expires 1986
Stephen C. Stuntz	Term expires 1987
Joyce E. Foley	Term expires 1988

*Commissioners meet on second and fourth Monday of the month
Whitcomb Station, 693 Massachusetts Avenue, Acton
7:30 P.M.*

Appointment by the Water Commissioners

District Manager

John E. MacLeod	Term expires 1986
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Treasurer and Collector

Stephen G. Peterson	Term expires 1986
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Accountant

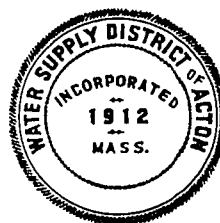
Raymond L. Page	Term expires 1986
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Attorney

Charles E. Orcutt, Jr.	Term expires 1986
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COMMONWEALTH OF MASSACHUSETTS

Middlesex, ss.



To the Clerk of the Water Supply District of Acton, GREETINGS:

You are directed to notify the inhabitants of the Town of Acton, qualified to vote in elections and town affairs, to assemble at their precinct:

Precinct 1 - Clubhouse, Nagog Woods
Precinct 2 - Center Fire Station
Precinct 3 - Douglas School - Elm Street
Precinct 4 - Conant School - Taylor Road
Precinct 5 - Fire Station - West Acton
Precinct 6 - Fire Station - South Acton

on MONDAY, APRIL 7, 1986

between 7 o'clock A.M. and 8 o'clock P.M.

Then and there to bring their votes on one ballot for the following officers:

Moderator for one year, one Commissioner for three years, and Clerk for one year.

You are further requested to notify the legal voters of said Town of Acton, as aforesaid, to assemble at the

Acton-Boxborough Regional High School Auditorium
Charter Road at Hayward, West Acton
on WEDNESDAY, MARCH 19, 1986

at 7:30 o'clock P.M.

Then and there to act on the following articles:

ARTICLE 1. To fix the salaries of the elected officers.

ARTICLE 2. To act on the reports of the Commissioners, the Treasurer, and other officers and committees of the District.

ARTICLE 3. To see if the District will vote to authorize the Treasurer, with the approval of the Commissioners, to borrow in anticipation of the revenue for the fiscal year beginning July 1, 1986, in accordance with the provisions of General Laws, Chapter 44, Section 4, and to renew any note or notes as may be given for a period of less than one year, in accordance with the provisions of General Laws, Chapter 44, Section 17, or take any action relative thereto.

ARTICLE 4. To see if the District will vote to instruct the Commissioners to have an audit of the various accounts of the District, or to take any action relative thereto.

ARTICLE 5. To see what sums of money the District will vote to raise and appropriate to defray the usual expenses of the District.

ARTICLE 6. To see if the District will vote to authorize the Commissioners to enter into a written lease not to exceed one (1) year with Bay State Explosives Company, Inc., a Massachusetts Corporation having a usual place of business in Acton, Massachusetts, for the purpose of continued use of three magazines for the storage of explosives on land owned by the District located off Powder Mill Road and New High Street in said Acton and subject to the terms and conditions of a permit issued by the Town of Acton, at an annual rental of \$6,000, or any greater or lesser sum, or to take any other action relative thereto.

(Submitted at the request of Bay State Explosives Company, Inc. and upon petition of ten or more registered voters of the Town of Acton.)

ARTICLE 7. To see if the District will vote to transfer from Surplus Revenue a certain sum of money for additional pumping tests to determine the feasibility of developing a well or well-field as a public supply on land owned by Brewster Conant located on the southerly side of Brook Street and the westerly side of Great Road in Acton Center, or to take any other action relative thereto.

ARTICLE 8. To see if the District will vote to authorize to transfer from Surplus Revenue, a certain sum of money for the cleaning and chemical treatment, and redevelopment of the Clapp Well in West Acton, or to take any other action relative thereto.

ARTICLE 9. To see if the District will vote to transfer from Surplus Revenue, a certain sum of money for sandblasting and repainting the Great

Hill Reservoir in South Acton and to apply for and accept any Federal or State funds toward the cost of this project, or to take any other action relative thereto.

ARTICLE 10. To see if the District will vote to authorize the Commissioners to enter into a long term written lease, with options to extend, with Boston Gas Company, One Beacon Street, Boston, Mass., for the purpose of construction of a gas metering station by Boston Gas Company on land owned by the District located off Lawsbrook Road in South Acton near the line between Concord and Acton, together with a right of way to the proposed building; said written lease to include a rental amount and such other terms, conditions and limitations as the Commissioners shall deem necessary and proper to protect the public water supply, or to take any other action relative thereto.

ARTICLE 11. To see if the District will vote to install a 16 inch water main extension on Main Street, North Acton from existing water main located on Main Street, at the intersection of North Briar Road a distance of about 6,000 feet more or less, together with hydrants and necessary fittings, and to raise and appropriate, or transfer from any available source, or to borrow under Chapter 44 of the General Laws, as amended, a certain sum of money for said purpose, and to apply and accept any federal or state funds towards the cost of this extension and upgrading of the water system, or to take any other action relative thereto.

ARTICLE 12. To see if the District will vote to install several wells and to construct a pumping station, install a suitable pump, equipment and necessary fittings and other appurtenances at the site of the new well field on land formerly owned by Mary Marshall now owned by the District located off Main Street (Rte. 27), and to treat the well with potassium hydroxide in order to raise the PH level to prevent stains and bitter taste, and to raise and appropriate, or transfer from any available source, or to borrow under Chapter 44 of the General Laws, as amended, a certain sum of money for said purpose, and to apply for and accept any federal or state funds toward the cost of this project, or take any other action relative thereto.

ARTICLE 13. To see if the District will vote to transfer from Surplus Revenue, a certain sum of money to install monitoring wells as part of a program to monitor the quality of ground water in the aquifer before it reaches the public water supply and sources, or to take any other action relative thereto.

ARTICLE 14. To see if the District will vote to transfer from Surplus Revenue, a certain sum of money for the purchase of a new dual wheel, one ton, four by four truck, with four wheel drive, dump body and plow, or to take any other action relative thereto.

ARTICLE 15. To see if the District will vote to transfer from Surplus

Revenue, a certain sum of money to install an emergency back up power source for Assabet Wells 1 and 2 located in South Acton, or to take any other action relative thereto.

And you are directed to serve this Warrant by posting copies attested by you in two or more public places in the Water Supply District, fourteen days at least before the time of said meeting, as authorized by Chapter 41, Section 119, of the General Laws.

Hereof fail not and make due returns of this Warrant with your doings thereon to the Water Commissioners on or before the time of holding said meeting.

Given under our hands this 13th day of January, in the year one thousand nine hundred and eighty-six.

WILLIAM P. WALSH
JOSEPH H. LAUZON
ALVIN R. PIPER, SR.
Water Commissioners.

A true copy. ATTEST:

Anita E. Page
District Clerk.

REPORT OF THE COMMISSIONERS

During 1985 the Water Supply District of Acton has continued to pursue those matters which are a key to developing adequate and safe supplies of potable water. We have finalized the acquisition of property identified as the Marshall Land and the Kennedy Land located in North Acton, 10.8 and 26 acres respectively; and the Flannery and O'Toole Land in West Acton, which is approximately 16 acres. We have persuaded responsible agencies to discontinue operation of the Septage Disposal Area in North Acton, thereby removing a barrier to the development of the water sources in North Acton which would extend the existing water supply by 1.3 million gallons per day.

In order to prepare for the development of the North Acton water sources, we have undertaken an examination of the effects of existing contamination in the septage disposal area upon future wells at the Kennedy and Marshall sites. The information obtained from this examination will assist in establishing requirements for proper closure of this area as well as appropriate operation of developed water supply wells. In anticipation of favorable review of these matters by the Department of Environmental Quality Engineering (DEQE), we have offered Articles for discussion at the 1986 Annual Meeting which embrace extension of the existing water main along Route 27 to the Marshall Land, and the development of a water supply facility at the Marshall site.

The District, in its diligence to continue to supply water at its high standards of water quality, has maintained its treatment of the Assabet and Clapp Wells. In this same vein, the Lawsbrook and Scribner Wells remain closed pending conclusions of existing investigations designed to learn the source and nature of the contamination at these well sites.

The hydrogeologic study of the contamination problem of the Clapp Well has been completed. Upon review of the results by both the Water District and the DEQE, actions will be initiated to obtain relief and to mitigate further the problems at this well site.

The activities in preparation of the lawsuit against the W.R. Grace Co., continue and, in fact, have been extended with the revelation that W.R. Grace Co. could well be the cause of contamination observed at the Scribner and Lawsbrook Well locations. Negotiations with W.R. Grace officials have remained dormant this past year. The District anticipates court action to commence this year.

TABLE 1: ACTON WATER DEMAND

Daily Average = 1,500,000 gpd
 Summer Peak = 2,000,000 gpd
 Desired Supply = 3,000,000 gpd

TABLE 2: ACTON WATER SUPPLY CAPACITY

WELL	ACTIVE	INACTIVE	OPERATIONAL CONSTRAINTS
Assabet 1 & 2	1,000,000	--	Aeration & Carbon Treatment
Christofferson	500,000	--	
Whitcomb	450,000	--	Color Treatment Desirable
Clapp	350,000	--	Carbon Treatment
Conant Lawsbrook	325,000 --	-- 350,000	Organic Chemical Contamination
Scribner	--	300,000	Organic Chemical Contamination
TOTALS	2,625,000	650,000	
GRAND TOTAL		3,275,000 GPD	

TABLE 3: ESTIMATED CAPACITY FOR FUTURE

North Acton — 1,300,000 GPD

Water District Land

Sportsman Club Land

West Acton — Unknown at this time

Water District Land

Acton Center — Unknown at this time

Conant Land

South Acton — 1,000,000 GPD

Mass. Broken Stone

(Treatment required)

TABLE 4: ACTON'S VOLATILE ORGANIC CONTAMINANT (VOC)
STANDARDS

One part per billion for any single volatile organic contaminant.

Five parts per billion for total volatile organic contaminants.

The District continues to be ably supported by an Advisory Committee comprised of Mr. Paul Bartlett, Mr. Henry Cygan, Mr. Gerry Wheaton, Mr. Charles Higgs and Mrs. Roberta Burkey. Aside from the many in depth examinations made to keep the Commissioners informed, the committee has undertaken the responsibility of publishing the "Water Words" newsletter, a District effort to reach all water users with useful information concerning District operations and water supply/quality issues.

The Commissioners are especially appreciative of the professional service rendered by all District personnel under the able direction of the District Manager, Mr. John MacLeod; are grateful for the support and advice of its Finance Committee; and are thankful for the cooperation of many of the Town Boards.

Respectfully submitted,
William P. Walsh, *Chairman*
Joseph H. Lauzon
Alvin R. Piper

REPORT OF ENVIRONMENTAL ENGINEER

It is the responsibility of the Acton Water District to operate and maintain the public water system in a manner that will assure the health and safety of all consumers. The Drinking Water Regulations of Massachusetts require scheduled monitoring of the water system to determine compliance with standards set forth as maximum contaminant levels. The analysis results of samples collected in accordance with the Regulations indicate that the quality of drinking water is well within state standards.

In addition, the Water District conducts routine sampling of water sources for volatile organic chemical analysis. Results of all samples indicate that water being supplied to the water system consistently meets the District's self-imposed water quality standard of 1 ppb for a single volatile organic chemical and 5 ppb for total volatile organic chemicals.

We expect to have corrosion control treatment of all our water sources in place by this spring. Potassium hydroxide will be added to the water system for the purpose of reducing naturally occurring carbon dioxide and raising the pH of the water, thereby making it less corrosive to water supply piping. This will be noticeable to the consumer in the reduction of blue-green staining of plumbing fixtures and fewer water service breaks.

The Assabet Water Treatment facility continues to operate effectively and efficiently. Water quality analyses indicate that the addition of aeration to the treatment scheme has proven to be extremely beneficial. Contaminant removal by aeration is in excess of 98 percent. Thus, contaminant loading on the carbon filters is minimized, thereby allowing for less frequent replacement of expensive carbon.

The Water District is presently awaiting the results of a hydrogeological study of the Clapp aquifer. The study will detail the extent of groundwater contamination in the area and will assist in determining whether the carbon treatment presently being used will be a long or short term requirement.

The Water District is planning to implement an early warning sampling program for each water supply pumping well. By utilizing existing observation wells which surround each pumping well and by installing a few additional wells where needed, the District can sample and monitor strategic wells on a routine basis in order to determine whether contamination is migrating towards a water supply pumping well.

LAWRENCE DAYIAN
Environmental Engineer

REPORT OF THE FINANCE COMMITTEE

The Committee continues to monitor closely the expenditures from the Special Legal Fund Account, which was established for the W.R. Grace & Company Suit. No trial date has yet been set by the Court. The Committee believes it is prudent to increase this line item in the proposed fiscal year 1987 budget in anticipation of this trial. A substantial portion of the amount is expected to be carried over from the Fiscal 1986 budget.

The other carry-over items reflect decreases in costs or differments of projects that will not be completed in Fiscal 1986.

Currently there is approximately \$188,000. due from the Federal and State Grants for funds expended by the District from short-term borrowing, or surplus cash, during the past several years. As these funds are received, any balance left over after retirement of the debt incurred, if any, can be applied against operating expenses.

Salary increases will be comparable to town employees. It is anticipated that the proposed budget will not require an increase in water rates for Fiscal 1987.

The Committee would like to thank all employees of the Water District for their cooperation and assistance during the past year.

WILLIAM L. KINGMAN, *Chairman*
JOYCE FOLEY
STEPHEN STUNTZ
Finance Committee

APPROPRIATIONS AND EXPENDITURES FOR 84 - 85 - 6 months of 86

	1984 Appro.	1984 Expend.	1985 Appro.	1985 Expend.	1986 Appro.	1986 7 - 1 Expend. thru 12 - 31	1987 Proposed Budget
Salaries & Wages	\$200,000.	\$196,898.	\$238,000.	\$234,698.	\$256,800. c3,302.	\$136,723.	\$292,800.
Group Insurance	15,000.	14,858.	18,500.	17,074.	19,000.	10,288.	21,000.
MDX County Retirement	20,000.	20,000.	24,000.	24,000.	15,000.	2,561.	24,000.
Educational Expense	5,000.	5,204.	5,000.	4,422.	5,000.	3,989.	5,000.
Maintenance & Operation	55,000.	73,920.	50,000.	76,175.	50,000.	50,005.	*60,000.
Meters	6,000.	5,695.	6,000.	4,951.	6,000.	4,228.	6,000.
Auto & Equipment	15,000.	14,900.	16,000.	16,576.	16,000.	8,212.	16,000.
Fuel	4,000.	4,374.	4,500.	4,326.	5,000.	618.	5,000.
Equipment Rental	2,000.	1,910.	2,000.	1,185.	2,000.	480.	2,000.
Permanent Paving	3,000.	4,295.	-0-	1,574.	3,000.	1,670.	3,000.
	c3,774.		c2,479.				
Chemicals					120,000.	120,000.	c
Lights, Power & Telephone	85,000.	90,380.	100,000.	118,507.	139,000.	48,679.	75,000.
	c35,903.		c30,522.		c12,015.		c
Laboratory Analysis	5,000.	3,244.	5,000.	6,756.	5,000.	1,188.	5,000.
	c1,526.		c1,756.				
Treatment Plant-Spec. Anal.			5,000.	5,000.	5,000.	530.	5,000.
Insurance	17,000.	18,279.	19,500.	19,500.	20,500.	(-587.)	26,000.
Office Supplies	5,000.	4,881.	10,000.	9,938.	7,500.	1,554.	7,500.
Postage	4,000.	4,000.	4,500.	4,490.	5,000.	1,144.	5,000.
Mass. State Audit	-0-	-0-	-0-	-0-	-0-	-0-	c
	c5,500.		c5,500.		c5,500.		

Legal & Accountant.....	15,000. c3,969.	13,527.	12,000. c5,169.	14,882.	12,000. c2,286.	7,250.	12,000.
Water Words Notice			2,000.	2,652.	2,500.	707.	2,500.
Advisory Committee.....			1,000.	913.	1,000. c84.	-0-	500. c
Miscellaneous	1,000.	968.	1,000.	685.	1,000.	228.	1,000.
Land Survey	1,000. c3,000.	70.	-0- c3,930.	5,355.	-0-	-0-	8,000.
Land Appraisal	1,000. c3,000.	750.	c3,250.	-0-	c3,250.	2,720.	c
Engineering	12,000.	10,214.	12,000.	8,972.	10,000. c3,038.	6,145.	10,000.
Survey New Water.....	-0-	4,364.	c4,425.	4,199.	5,000. c226.	3,064.	c
Bonds & Interest	302,271. c81,899.	316,889.	279,311. c67,280.	322,021.	362,633. c24,570.	362,633.	*425,135.
Reserve Fund	25,000. m14,000.	34,061.	25,000.	24,950.	40,000.	587.	25,000.
Special Legal.....	75,000. c44,238.	64,860.	25,000. c54,378.	79,378.	100,000.	49,155.	50,000.
TOTAL BUDGET	\$ 873,271.	\$ 908,541.	\$ 865,311.	\$1,013,179.	\$1,213,933.	\$10,588.	\$1,092,435.

c - Previous yrs. monies not spent. Carried over.

* - Budget Increases.

m - Special Meeting Increases

ESTIMATED RECEIPTS 1987

Hydrants	\$ 53,000.00
Water Rates.....	979,185.00
Sprinklers	10,250.00
Repairs & New Installations	50,000.00
TOTAL RECEIPTS	\$ 1,092,435.00

William P. Walsh
Joseph H. Lauzon
Alvin R. Piper, Sr.
Water Commissioners

WATER SUPPLY DISTRICT
OF
ACTON, MASSACHUSETTS
AMORTIZATION SCHEDULE - BONDS AND INTEREST

	<u>Original Amount</u>	<u>Balance 7/1/86</u>	<u>1986-1987 Principal Interest</u>	<u>1987-1988 Principal Interest</u>	<u>1988-1989 Principal Interest</u>	<u>1989-1990 Principal Interest</u>	<u>1990-1991 Principal Interest</u>	<u>1991-1992 Principal Interest</u>	<u>1992-1993 Principal Interest</u>	<u>1993-1994 Principal Interest</u>	<u>1994-1995 Principal Interest</u>	<u>1995-1996 Principal Interest</u>	<u>1996-1997 Principal Interest</u>
Nagog Hill Reservoir	540,000.	210,000.	30,000.00 11,115.00	30,000.00 9,405.00	30,000.00 7,695.00	30,000.00 5,985.00	30,000.00 4,275.00	30,000.00 2,565.00	30,000.00 855.00				
Water Bonds	385,000.	110,000.	25,000.00 5,557.50	25,000.00 4,132.50	25,000.00 2,850.00	20,000.00 1,710.00	20,000.00 570.00						
Water Bonds	220,000.	80,000.	20,000.00 3,395.00	20,000.00 2,425.00	10,000.00 1,697.50	10,000.00 1,212.50	10,000.00 727.50	10,000.00 242.50					
Building	130,000.	60,000.	10,000.00 2,667.50	10,000.00 2,182.50	10,000.00 1,697.50	10,000. 1,212.50	10,000.00 727.50	10,000.00 242.50					
Water Bonds	910,000.	590,000.	80,000.00 56,525.00	80,000.00 48,925.00	80,000.00 41,325.00	80,000.00 33,725.00	80,000.00 26,125.00	80,000.00 18,525.00	60,000.00 10,725.00	50,000.00 4,875.00			
Water Bonds	595,000.	545,000.	50,000.00 40,875.00	50,000.00 37,125.00	50,000.00 33,375.00	50,000.00 29,625.00	50,000.00 25,875.00	50,000.00 22,125.00	50,000.00 18,375.00	50,000.00 14,625.00	50,000.00 10,875.00	50,000.00 7,125.00	45,000.00 33,375.00
TOTALS	\$ 2,780,000.	\$ 1,406,000.	\$ 335,135.00	\$ 319,195.00	\$ 288,640.00	\$ 273,470.00	\$ 258,300.00	\$ 223,700.00	\$ 169,955.00	\$ 119,500.00	\$ 60,875.00	\$ 57,125.00	\$ 48,375.00
Possible New Issue			*50,000.00 40,000.00										
			425,135.00										

* Will depend on interest rates at time of issue.

REPORT OF THE DISTRICT MANAGER

The following report covers the activities of the District for 1985.

New House Installations	42
Old Service Lines Replaced or Renewed	15
Old Meters Replaced With New Meters.....	50
Repair of Damaged Hydrants.....	18
Repair of Water Main and Service Breaks.....	29
Replacement of Old Fire Hydrants	9
Total Gallons Pumped in 1985	579,434,900

New water mains were installed in following locations:

Ayer Road	MacLeod Lane
Maillet Drive	Lower Adams Street
Kinsley Drive	Acton Technology Park
Sutton Place	Main Street
North Briarbrook Road	Sawmill Road
Milldam Road	Badger Circle
Boulder Circle	Till Drive

In addition, water mains were installed on Robbins Street and Hosmer Street in order to loop dead end mains. This will eliminate stagnant water, improve taste and odor and increase fire flow capability.

The Water District's water treatment facility, located at the Assabet Well site has been in operation for two years. The facility, which consists of aeration and carbon filtration provides treatment that ensures that the quality of water being supplied to the water distribution system consistently meets the District's strict water quality standards of 1 ppb for any single volatile organic chemical and 5 ppb for total organic chemicals.

The Clapp Well, located in West Acton off Massachusetts Avenue, has been back in use for the past 16 months. It had been shut down in 1982 due to organic chemical contamination. The installation of carbon treatment has allowed us to use the water source and provide a water quality that meets the District's standards. Provisions have been made to re-pipe water from the Whitcomb Well through the Clapp Well treatment facility if it becomes necessary.

The Lawsbrook Well, which was shut down in 1984, and the Scribner Wellfield, shut down in April of 1985 because of chemical contamination, are still off line. The District is presently awaiting results of a groundwater study designed to determine the source of contamination. Results of the study could lead to State and Federal involvement.

During certain times of the year the Whitcomb Well, which is located off Massachusetts Avenue in West Acton, experiences a high color problem. The excessive color is due to the well location in a peat bog formation containing decaying vegetation. Problems associated with high color are strictly asthetic and do not contribute to adverse health effects. Water from the well, which is used during periods

of high water demand is blended with water from the Clapp Well in order to reduce the color.

The Town of Acton's Septage Disposal area, located off Quarry Road in North Acton was closed in December of 1985. This has allowed the Water District to pursue water supply development in North Acton. The Water District has undertaken an engineering study to determine if and when contamination located in the vicinity of the septage lagoons might reach the proposed public water supply wells projected for North Acton. It is the hope of the District that the sites proposed for water supply development can gain the required State approval in the near future so that the District can meet the water supply demands of today and plan for future growth of the community.

The Water District conducted a pumping test in 1985 on land located off Massachusetts Avenue and Kinsley Road in West Acton. The land was donated to the Water District by the families of John and Viola Flannery and Richard O'Toole. The pumping test showed sufficient quantity for a water supply well, however water quality sample results showed organic chemical contamination in excess of the District's water quality standards.

The District also updated its computer system from a floppy disc to a hard disc system. This will provide greater capacity for storage and a capability for a variety of projects.

The Water District will continue to explore for new water supplies. This year we are planning to perform a pumping test on land in Acton Center. This is possibly the last parcel of available land suitable for water supply development in the Town of Acton.

The District will provide a tour of the Assabet Treatment Facility to any citizen of Acton. Arrangements can be made by contacting the District Manager or the District's Environmental Engineer.

Several District employees have completed and will continue to attend courses and seminars on water supply and water pollution issues. Two employees have recently passed the State Operator Certification Examination.

I am also working with several local communities concerning our water supply problems. In an attempt to determine measures we all can take to make our departments more efficient and our environment safer, we have formed a new professional organization called the Middlesex/Worcester County Water Association.

The Water District has received financial assistance from the Commonwealth of Massachusetts for fluoridation and fifty percent reimbursement for construction of the Assabet Water Treatment Facility. The District will continue to apply for grant money as it becomes available.

I would like to take this opportunity to express my sincere thanks to the Board of Water Commissioners, Finance Committee, Land-Water Management Advisory Committee, Town Manager, Board of Selectmen, Board of Health, Town of Acton Ground Water Protection Committee, Acton Fire Department, Acton Police Department, School Department and all the citizens of Acton. In addition, I would like to thank the DEQE, EPA, U.S. Representative Chester Atkins, State Representative John Loring, State Senator Paul Celucci and neighboring towns who have helped us with our problems. I also look forward to better communications with all Town, State and Federal Agencies with whom the Water District associates.

JOHN E. MACLEOD
District Manager

REPORT OF THE COLLECTOR
JULY 1, 1984 TO JUNE 30, 1985

Outstanding June 30, 1984	\$ 41,017.44
Charges	<u>934,444.71</u>
Total	\$975,462.15

Payments	\$ 932,513.33
Abatements	9,986.22
Outstanding June 30, 1985	<u>32,962.60</u>
Total	\$975,462.15

JUNE 30, 1985 TO DEC. 31, 1985

Outstanding June 30, 1985	\$ 32,962.60
Charges	641,826.68
Credits	<u>125.00</u>
Total	\$674,914.28

Payments	\$ 606,541.70
Abatements	2,567.84
Adjustments	2,050.00
Outstanding Dec. 31, 1985	<u>63,754.74</u>
Total	\$674,914.28

Stephen G. Peterson
Collector - Treasurer

REPORT OF THE DISTRICT ACCOUNTANT

This portion of the report covers expenditures for the fiscal year 1985
(July 1, 1984 -June 30, 1985)

Account	Appropriations 7-1-84	Balance 6-30-85
Reserve Fund	\$ 25,000.00	\$ 50.41
Bonds & Interest	279,311.00	24,569.97
Salaries & Wages	238,000.00	3,302.46
Insurance	19,500.00	-----
Lights, Power & Tel.	100,000.00	12,014.70
Equipment Rental	2,000.00	815.00
Auto & Equipment Expense	16,000.00	-----
**	575.80	-----
Fuel	4,500.00	174.14
Maintenance & Operation	50,000.00	33.80
**	23,030.59	33.80
Miscellaneous	1,000.00	315.10
Meters	6,000.00	1,848.96
Legal & Accountant	12,000.00	2,286.28
Special Legal Expense	25,000.00	-----
Land Survey	-----	-----
Land Appraisal	3,250.00	3,250.00
Engineering Expense	12,000.00	3,027.61
Mass. State Audit	5,500.00	5,500.00
Group Insurance	18,500.00	1,425.67
MDX County Retirement	24,000.00	-----
Postage	4,500.00	9.50
Office Supplies	10,000.00	61.83
Educational Expense	5,000.00	577.78
Permanent Paving	2,479.00	904.53
Laboratory Analysis	5,000.00	-----
Survey New Water	4,424.87	225.64

** From Reserve Fund

SPECIAL APPROPRIATIONS

Account	Balance 6-30-85
Land-Water Mang. Adv. Comm.	\$ 1,084.02
Telemeter System	9,654.38
System Rehabilitation	-----
Kennedy Land & Sportsman Club	212,150.00
Master Plan Update	421.00
Lawsbrook Main	200.00
Laboratory Equipment	22.07
Aquifer Clean up	13,154.74
Water Main Rte. 27	8,735.94
Clapp Well Study	22,752.91
Special Study	1,006.00
Scribner Well Study	5,000.00
Whitcomb Well Study	5,293.00
Septage Lagoons Disposal	4,900.00
Adams Street Main	397.86
Test Lawsbrook/School Street Wells	15,000.00
Water Main Looping	45,660.87
Pre-Cast Utility Encl.	5,985.00
Cement Vaults	29,635.00
Automobile	711.85
Potassium Hydroxide	39,000.00
Conant Land Pumping Test	4,535.00
Great Hill Standpipe	25,000.00

Raymond Page
District Accountant

REPORT OF THE TREASURER

Checking Accounts

July 1, 1984 to June 30, 1985

BayBank Middlesex, Balance June 30, 1984	\$	(4,478.83)
Transfer from Savings Account		469,000.00
Deposits		<u>1,113,425.88</u>
Total	\$	1,577,947.56
Disbursements	\$	1,216,437.30
Transfers		<u>375,000.00</u>
Total	\$	1,591,437.30
Balance June 30, 1985	\$	(13,489.74)

June 30, 1985 to Dec. 31, 1985

BayBank Middlesex, Balance June 30, 1985	\$	(13,489.74)
Transfers from Savings Account		141,000.00
Deposits		<u>863,912.08</u>
Total	\$	991,422.34
Disbursements	\$	602,606.74
Transfers		<u>424,700.00</u>
Total	\$	1,027,306.74
Balance Dec. 31, 1985	\$	(35,884.40)

June 30, 1984 to June 30, 1985

Shawmut Bank, Balance June 30, 1984	\$	180.56
Transfer from Savings Account		<u>1,039,020.21</u>
Total	\$	1,039,200.77
Disbursements	\$	1,038,342.28
Balance June 30, 1985	\$	858.49

June 30, 1985 to Dec. 31, 1985

Shawmut Bank, Balance June 30, 1985	\$	858.49
Total	\$	<u>858.49</u>

BANK INVESTED FUNDS

BayBank Middlesex, Balance June 30, 1984	\$	37.83
Interest		2.09
Balance June 30, 1985	\$	39.90
Shawmut Bank #1, Balance June 30, 1984	\$	92.86
Interest		4.56
Withdrawals		97.42
Balance June 30, 1985	\$	-----
Shawmut Bank #2, Balance June 30, 1984	\$	260,752.72
Interest		9,920.07
Deposits		663,250.00
Withdrawals		933,922.79
Balance June 30, 1985	\$	-----
Shawmut Bank #3, Balance June 30, 1984	\$	-----
Interest		1,512.31
Deposit		54,092.35
Balance June 30, 1985	\$	55,604.66
MMDT, Balance June 30, 1984	\$	716,718.13
Interest		64,133.60
Deposits		470,000.00
Withdrawals		628,092.35
Balance June 30, 1985	\$	622,759.38
June 30, 1984 to June 30, 1985		
Interest		75,572.56

June 30, 1984 to December 31, 1985

BayBank Middlesex, Balance June 30, 1985	\$	39.90
Interest		1.09
Balance December 31, 1985	\$	40.99
Shawmut Bank, Balance June 30, 1985	\$	55,604.66
Interest		2,053.24
Balance December 31, 1985	\$	57,657.90
MMDT, Balance June 30, 1985	\$	622,759.38
Interest		25,739.41
Deposit		424,700.00
Withdrawal		141,000.00
Balance December 31, 1985	\$	932,198.79

WATER MEETING

Abstract of the proceedings of the Annual Meeting of the Water Supply District of Acton, held in the Acton-Boxborough Regional High School Auditorium, Charter Road, West Acton.

WEDNESDAY, MARCH 20, 1985, at 7:30 PM

ARTICLE 1. VOTED: To fix the salaries of the District Officers as follows:

Chairman of the Commissioners	\$900.00 per year
Two (2) Commissioners	\$700.00 per year
Moderator	\$25.00 per meeting
Clerk	\$600.00 per year

(Unanimous)

ARTICLE 2. VOTED: To accept the reports of the District Officers as presented in the 1984 annual report.

(Unanimous)

ARTICLE 3. VOTED: That the District authorize the Treasurer, with the approval of the Commissioners, to borrow in anticipation of the revenue for the fiscal year beginning July 1, 1985, in accordance with the provisions of General Laws, Chapter 44, Section 4, and to renew any note or notes as may be given for a period of less than one year, in accordance with the provisions of General Laws, Chapter 44, Section 17.

(Unanimous)

ARTICLE 4. VOTED: To instruct the Commissioners to have an audit of the various accounts of the District under the direction of the Commonwealth of Massachusetts.

(Unanimous)

ARTICLE 5. VOTED: To appropriate from estimated receipts of the District the sum of \$1,213,933.00 for the maintenance and operation of the District, and specific appropriations as follows:

Estimated Budget Expenditures for 1985 - 1986

Group Insurance	\$ 19,000.00
Bonds and Interest	362,633.00
Salaries & Wages	256,000.00
Equipment Rental	2,000.00
Lights, Power & Tel.	139,000.00
Fuel	5,000.00
Land Survey	Carry Over
Maintenance & Operations	50,000.00
MDX. County Retirement	15,000.00
Postage	5,000.00
Miscellaneous	1,000.00
Mass. State Audit	Carry Over
Legal & Accounting	12,000.00
Land Appraisal	Carry Over
Engineering	10,000.00
Insurance	20,500.00
Meters	6,000.00

Auto & Equipment Expense	16,000.00
Reserve Fund	40,000.00
Office Supplies	7,500.00
Laboratory Analysis	5,000.00
Survey New Water	5,000.00
Special Legal	100,000.00
Educational Expense	5,000.00
Permanent Paving	3,000.00
Water Words Notice	2,500.00
Advisory Committee	1,000.00
Chemicals	120,000.00
Treatment Plant - Special Analysis	5,000.00
Total Budget	<u>\$1,213,933.00</u>

	Estimated Receipts	
Hydrants		54,000.00
Water Rates		1,105,933.00
Sprinklers		9,000.00
Repairs & New Installations		45,000.00
Total Receipts		<u>\$1,213,933.00</u>

(Unanimous)

ARTICLE 6. VOTED: That the district authorize the Commissioners to transfer from surplus revenue the sum of \$55,000.00 to treat 8 wells with potassium hydroxide in order to raise the pH to prevent stains and bitter taste.

(Unanimous)

ARTICLE 7. VOTED: That the District authorize the Commissioners to accept a gift of a certain parcel of land located on the southerly side of Massachusetts Avenue in West Acton owned by the Flannery Family, land parcel 121, Page F-2 of the Town Atlas. The said land acquisition is for water supply purposes and for the development of a future well and water source. The District shall erect a suitable placque acknowledging the gift and survey the land at cost to the District.

(Unanimous)

ARTICLE 8. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$12,000.00 for pumping tests to determine the feasibility of developing a well or well-field as a public water supply on land owned or to be acquired by the District located off Massachusetts Avenue and Kinsley Road in West Acton.

(Unanimous)

ARTICLE 9. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$25,000.00 for sand blasting and painting either the inside or outside, or both, the Great Hill Reservoir in South Acton.

(Unanimous)

ARTICLE 10. VOTED: That the District vote to authorize the Commissioners to transfer from surplus revenue the sum of \$18,000.00 to conduct pumping tests to determine the feasibility of developing a well or well-field as a public water supply on land owned by Brewster Conant located on the southerly side of Brook Street and

the westerly side of Great Road in Acton Center.

(Unanimous)

ARTICLE 11. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$8,000.00 for the cleaning and chemical treatment, and redevelopment of the Whitcomb Well in West Acton.

(Unanimous)

ARTICLE 12. VOTED: That the District amend the By-Laws by adding a new section twelve which reads as follows:

No person shall turn on or tamper with a water main or hydrant or other device used for water supply or install a by pass around a water meter without first procuring a written permit to do so from the Manager of the Water District. Any person violating said section shall be fined not more than \$200.00 for each offense, which shall inure to the District for such uses as the Commissioners may direct. Fines shall be recovered by indictment or on complaint before the District Court or by non-criminal disposition in accordance with section 21D of Chapter 40 of the General Laws. Every day that such violation continues shall constitute a separate offense. This section shall not curtail the fire department or Water District in the normal course of providing fire protection or water supply.

(Unanimous)

ARTICLE 14. VOTED: That the District take no action on this Article.

(Unanimous)

ARTICLE 15. VOTED: That the District authorize the Commissioners to enter into a written lease for one (1) year with Bay State Explosives Company, Inc., a Massachusetts corporation having a usual place of business in Acton, Massachusetts, for the purpose of continued use of three magazines for the storage of explosives on land owned by the District located off Powder Mill Road and New High Street in said Acton and subject to the terms and conditions of a permit issued by the Town of Acton, at an annual rental in the sum of \$4,000.00, which lease shall include such other terms, conditions and limitations as the Commissioners shall deem necessary or proper.

(Unanimous)

ARTICLE 16. VOTED: That the District authorize the Commissioners to extend the water main from the existing main on High Street, and install an 8 inch water main for a distance of 700 feet on Adams Street in South Acton, together with hydrants and necessary fittings and to raise and appropriate the sum of \$22,000.00 for said purpose and to authorize the Treasurer, with the approval of the Commissioners, to borrow said sum, if necessary, under Chapter 44 of the General Laws, as amended. Joseph Maillet shall deposit a cashier's or treasurer's check in the total sum of \$22,000.00 with the Treasurer of the District prior to the commencement of any work under this Article; said deposit to be used to purchase materials, engage a contractor to install pipe and necessary fittings, and to pay for the cost of engineering, police, and inspections and all other expenses incurred to complete the work under this Article.

(Unanimous)

Adjourned: 9:05 PM

A true copy:

Attest:

Anita E. Page
Clerk

March 20, 1985

WATER MEETING

Abstract of the proceedings of the annual election of officers of the Water Supply District of Acton, held on

MONDAY, APRIL 1, 1985

at the six precincts of the Town of Acton (Polls open from 7:00 A.M. to 8:00 P.M.)

Total number of ballots cast: 251

The following were elected:

Commissioner for 3 years: Alvin R. Piper, Sr. 219

Moderator for 1 year: John Putnam 216

Clerk for 1 year: Anita E. Page 225

A true copy:

Attest:

Anita E. Page
District Clerk

WATER MEETING

Abstract of the proceedings of the Special Meeting of the Water Supply District of Acton, held in the Acton-Boxborough Regional High School Auditorium, Charter Road, West Acton.

MONDAY, JUNE 17, 1985, at 7:30 PM

ARTICLE 1. VOTED: That the District authorize the Commissioners to enter into a written agreement under General Laws, Chapter 40, Section 4A, with the Town of Acton and the Acton-Boxborough Regional School District for creation of a joint health claims trust fund and a joint administrative services contract to provide health insurance benefits to employees of the Town, the Regional School District and the Water Supply District, substantially in the form proposed and on file with the Clerk of the District, with such changes as the Commissioners, with the advice of Counsel for the District approve, and to take whichever other actions may be necessary to implement this agreement.

(Unanimous)

ARTICLE 2A. VOTED: That the District accept the provisions of Chapter 32B of the General Laws, authorizing the District to provide a plan of contributing group life insurance, group accidental death and dismemberment insurance and group general blanket hospital, surgical, medical, dental and other health insurance for certain persons in the service of said District and their dependents.

(Unanimous)

ARTICLE 2B. VOTED: That the District accept the following provisions of Chapter 32B of the General Laws, Section 7A, Section 9A and Section 9D.

(Unanimous)

ARTICLE 3. VOTED: That the District authorize the Commissioners to enter into a written lease for five (5) years at an annual rental of \$25.00 per year per acre, with Allen H. Nelson of 32 Parker Street, Acton, MA for the purpose of farming organically, so that no pesticides, herbicides or fertilizers are used, approximately seven (7) acres more or less of land owned by the Water Supply District of Acton located off School Street in Acton.

(Unanimous)

ARTICLE 4. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$29,635.00 to purchase and install five (5)

cement vaults to house fiber glass tanks which will hold potassium hydroxide used to improve water quality.

(Unanimous)

ARTICLE 5. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$5,985.00 to purchase and install one (1) pre-cast utility enclosure to house pumps and related equipment for potassium hydroxide treatment.

(Unanimous)

RESOLUTION: VOTED: That the Acton Water District voters instruct our Water Commissioners to meet with Selectmen of the Town of Acton on a regular basis but in no event less frequently than quarterly to plan and consider the issues concerned with sources, supply and development of potable water for the Town; and that the first joint meeting shall be held no later than July 17, one month from now.

ARTICLE 6. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$15,000.00 for the purpose of conducting a hydro-geological study, to determine the sources of pollution to the Lawsbrook Road-School Street aquifer and well sites, to conduct water favorability studies and test well exploration and to apply for and accept any federal or state funds toward the cost of this project.

(Unanimous)

ARTICLE 7. VOTED: That the District authorize the Treasurer with the approval of the Commissioners, to borrow, under Chapter 44 of the General Laws, as amended, the sum of \$55,945.00 for looping the 8 inch water between Liberty Street and Stow Street on Robbins Street approximately (650 feet), looping the 8 inch water main between Hosmer Street and Forest Road approximately 1,000 feet on Forest Road; and to apply for and accept any federal or state fund towards the cost of these extensions and upgrading of the water distribution system.

(Unanimous)

ARTICLE 8. VOTED: That the District extend the water main from the existing main on Rte. 27, Main Street, and install an 8 inch water main for a distance of 600 feet on Ledge Rock Way in Acton, together with hydrants and necessary fittings, and to raise and appropriate the sum of \$25,000.00 for said purpose and to authorize the Treasurer, with the approval of the Commissioners, to borrow said sum, if necessary under Chapter 44 of the General Laws, as amended.

Leonard Palmer of Concord, Massachusetts, shall deposit the total sum of \$25,000.00 with the Treasurer of the District prior to the commencement of any work under this Article; and said deposit to be used to purchase materials, engage a contractor to install pipe and necessary fittings, and to pay for the cost of engineering, police and inspections and all other expenses incurred to complete the work under this Article.

(Unanimous)

ARTICLE 9. VOTED: That the District authorize the Commissioners to transfer from surplus revenue the sum of \$9,000.00 to purchase and install a new pump and fittings in the Whitcomb Well in West Acton.

(Unanimous)

Adjourned: 8:16 PM

A true copy:

Attest:

Anita E. Page
Clerk

June 17, 1985

WATER RATES

Effective October 1, 1985 water users will be billed as follows: Minimum price at which water will be furnished, including the use of the meter, will be \$12.00 per each 3 month period. This will allow the use of 1000 cubic feet each 6 months, with no refund or abatement for amounts of water less than 1000 cubic feet used.

On January 1, and July 1, a minimum charge of \$12.00 will be made to each user. Excess water for each 6 month period will billed in October and April as follows:

All over 1000 cubic feet \$1.50 per 100 cubic feet.

Minimum charge shall apply to each family or living unit. Minimum charge shall apply to all non-residential users in accordance with applicable sections of Rules, Regulations and Rates. Larger quantities of water beyond the minimum shall be charged as set forth above.

New owners having had possession of property less than 30 days and less than 1,000 cubic feet of water will be billed at the rate of \$1.50 per 100 cubic feet.

There will be a minimum charge of \$5.00 for final water meter reading.

Hydrant Rental	\$ 65.00 each per year
Sprinkler System	125.00 each per year

RULES AND REGULATIONS

Amended July 8, 1985

The following Rules and Regulations shall be considered a part of the Contract with every person using the water.

1. All applications for the use of water are available at the Whitcomb Pumping Station, Mass. Avenue. Demand charge schedule is set forth as follows:

PIPE SIZE	DEMAND CHARGE
¾"	\$ 1,000.00
1"	1,260.00
1 ¼"	2,280.00
1 ½"	3,720.00
2"	7,920.00
Over 2" line	10,000.00
Sprinkler	Square foot of Bldg.
Multi-dwelling (per apt. or each living unit)	300.00

EFFECTIVE - AUGUST 22, 1983

SPRINKLER DEMAND CHARGES

Buildings up to 20,000 square feet =	\$ 500.00
Buildings between 20,000 square feet and 40,000 square feet =	\$1,000.00
Buildings between 40,000 square feet and 60,000 square feet =	\$1,500.00

Buildings between 60,000 square feet
and 80,000 square feet = \$2,000.00

Buildings over 80,000 square feet = \$2,500.00

Pipe sizes and type for any installation will be determined by the Water Commissioners or their agents. Cost of installation service will be charged to applicant separate of the demand charge. Costs will be paid before the water is turned on. The demand charges are payable prior to service.

2. Costs of new service installations from the water main into the house, including meter, shall be paid for by the owner or applicant before the water will be turned on.

3. No person will connect, or cause to be connected, any service pipe with the main or any distributing pipes, except by order of the Water Commissioners made on such application for new service. No permanent outside sprinkler system be allowed unless approved by the Board of Health.

4. Periodic inspection of pipes to the meter may be made by the District Manager or Foreman. When equipment is found defective all payment for the necessary repairs between the property line and the meter shall be assessed to the owner. Persons allowing their meter to be damaged by frost or otherwise will be held responsible therefore. The District will keep meters in repair from ordinary derangements.

5. All apparatus and all places supplied with water must be accessible at all reasonable times to the inspection of the Commissioners or their agents.

6. No alterations shall be made to the service installed by the Water District except by authorized agents of the Water District.

7. The Water District shall not in any way, nor under any circumstances, be held liable or responsible to any person or persons for any loss or damage from any excess or deficiency in the pressure, volume or supply of water, due to any cause whatsoever. The Water District will undertake to use all reasonable care and diligence to avoid interruptions and fluctuations in the service, but cannot and does not guarantee that such will not occur.

8. The Water District will not be responsible for damages caused by dirty water resulting from the opening or closing of any gates for repairs or any other reasons, the use of hydrants, or the breaking of any supply lines.

9. The Water District will endeavor to give due notice to as many of the consumers affected as time and character of the work permit whenever it may be necessary to shut off the supply from any section of the District to make repairs or changes or because of a broken main and will as far as practicable, use every effort to prevent damage or inconvenience; but failure to give such notice will not involve the Water District in any responsibility or liability for damage arising from the shutting off of any supply or any subsequent conditions arising therefrom.

10. The Water District reserves the right at any time without notice to shut off the water supply for the purpose of making repairs, extensions, or other reasons, and all consumers having boilers or other appliances on their premises are hereby warned against danger of collapse from these sources and are urged to provide safety devices for their own protection. In any event the District expressly stipulates that there shall be no liability for damages resulting therefrom.

11. The Water District will not assume any liability for conditions in the consumer's plumbing or appliances, which may be the cause of trouble, coincident with or following repairs made to any part for the supply system by the District.

12. Service pipes or fixtures of any description, that are connected with the mains of the Water District, shall not under any circumstances be connected with any other sources of water supply.

13. The Water Commissioners reserve the right to shut off water for the purpose of making alterations or repairs. A water service may be shut off from any taker for non-compliance with the Rules and Regulations for non-payment of water rates and violation of Massachusetts General Laws relating to water supply. When water has been shut off because of disregard of rules or non-payment of rates it will be turned on again when the Commissioners are satisfied that there will be no further cause of complaint and on the payment of fifteen dollars. With the approval of the Department of Environmental Quality Engineering (Chapter 40, Section 41A of the MA General Laws), the Commissioners reserve the right to restrict the use of water if necessary in any manner deemed appropriate.

14. The Fire Department will have control of the hydrants in case of fires and for necessary practice. In no other case will any person be allowed to handle hydrants or other water apparatus without permission of the Water Commissioners.

15. No water taker will be allowed to supply water to others except by special permit from the Board of Water Commissioners and if found doing so without a permit, the supply will be shut off.

16. Owners should notify the Water District to shut off water if the building becomes vacant. Water will be turned on again when the owner notifies the Water District and upon the payment of five dollars for turn-on.

17. All bills for new services, repairing old services, supplies and labor, must be paid within thirty days from date of bill.

18. The water may be turned off without notice when bills for water remain unpaid for fifteen days after they become due, thirty days from the date of issue. Owners of premises will be held responsible for the water bills of their tenants.

Unpaid water bills are now a lien on real estate and collections may be made by the sale of property, MA Legislature, Acts of 1923, Chapter 391.

19. Any person who shall remove, change, alter or willfully damage or injure any meter will be liable for all damages. Any change in meter location shall be done under the direction of the District Manager or Foreman.

20. On all dwelling houses, apartments and condominiums, a minimum charge shall be made for water for each family or living unit for which the owner or owners shall be liable, if it is desired that all water flow through one meter. Larger quantities of water shall be charged on the above same basis.

On all business and/or professional buildings, for non-dwelling use, there shall be a charge for each toilet and/or lavatory facility, for which the owner shall be liable.

The District Manager or authorized agent shall be empowered by the Commissioners to confer with the owner or his agent to establish the number of facilities for which the minimum service charge shall be made. The minimum payment will be applied toward charge for water at the rates established under the rules and regulations for the Water Board, but if less quantity of water is used than the quantity for which the minimum charge would pay, no deduction from the minimum charge will be made.

21. Voted: That the District amend the By-Laws by adding a new section ten which reads as follows: "Any person violating any order restricting water use imposed by

vote of the Commissioners shall be fined not more than \$200.00 for each offense, which shall inure to the District for such uses as the Commissioners may direct. Fines shall be recovered by indictment or on a complaint before the district court, or by non-criminal disposition in accordance with section twenty-one D of Chapter 10 of the General Laws. Every day that such violation continues shall constitute a separate offense".

22. If a meter is out of order and fails to register, the consumer will be charged at the average daily consumption as shown by the meter when in order. An average will be taken of the last 3 corresponding readings.

23. Any and all penalties for violations of these regulations or arrearages for non-payment of water rates or charges may be collected as authorized by law in a civil action.

24. The Commissioners shall regulate the use of water in such manner as they deem for the best interest of the District, fix and collect prices and rates for the use thereof, prescribe the time and manner of payment of such prices and rates. The Commissioners shall have exclusive charge and control of the water department and water system, subject to all lawful by-laws, and subject to such instructions as the District may from time to time impose by its vote.

25. The Water District will have an inspector on sites where new water main and necessary fittings are installed in new developments, private roads, business and commercial sites. The Water District shall charge an hourly fee which will be paid to the Water District by the owner, contractor or developer. All materials used shall meet the specifications of the Water Supply District of Acton.

BY ORDER OF THE COMMISSIONERS

WILLIAM P. WALSH
JOSEPH H. LAUZON
ALVIN R. PIPER, SR.

BYLAWS TO REGULATE THE NOMINATION AND
ELECTION OF OFFICERS OF THE DISTRICT

- I The purpose of the Bylaws hereinafter set forth are to regulate the nomination and election of officers for the District so that the voters of the District may have knowledge of the candidates prior to an election.
- II All elections to any office in the District shall be by means of a printed ballot. This ballot shall be caused to be printed by the Commissioners acting as election officers from information furnished to them by the Clerk of the District as provided hereinafter.
- III No person's name shall be printed on the ballot unless he or someone on his behalf has submitted nomination papers signed by fifty registered voters of the District, setting forth the office for which he is a candidate and containing a statement signed by the candidate that he will accept the office, if elected. Nomination papers of a candidate for office of the District shall be filed with the Clerk of the District in accordance with Chapter 53, Section 10 of the General Laws. Submission to the Registrar of Voters shall be in accordance with Chapter 41, Section 115 of the General Laws.

- IV Nothing herein shall be construed as preventing a vote by stickers or writing in the name of a candidate, all as provided in the General Laws, except that no such sticker or write-in candidate shall be deemed to be elected unless he has received valid votes equivalent to 1% of the total of the number of registered voters in the District, as hereinafter determined.
- V The Commissioners, acting as election officers, shall prepare as of twenty (20) days prior to the annual Election, a list of eligible voters from the official voting list of the Town of Acton as of that time. This list shall remain closed until after the annual meeting of the District. The list shall then be reviewed and revised for all subsequent special meetings, up to the day of the special meeting. These lists shall then be used to determine the right of any person to vote at any election or any meeting of the District.
- VI All candidates elected to offices in the District shall be sworn to the performance of their duties by the Clerk of the District, except in the case of the Clerk, who shall be sworn by any of the Commissioners. The Clerk shall make a record of the facts in the minutes of the meeting.
- VII Elections and Nominations of district officers shall be conducted in accordance with chapters fifty to fifty-six, inclusive, of the General Laws so far as applicable, except as otherwise provided in sections one hundred and fourteen to one hundred and seventeen of Chapter 41 of the General Laws, inclusive, and except as otherwise provided by the district bylaw.

BYLAWS

(as adopted and amended to February, 1985)

- I The annual meeting of the Water Supply District shall be held on the third Wednesday of March of each year for the transaction of the necessary business connected with the District, and election of officers shall be held on the first Monday of April of each year. The time and place of holding such election and vote shall be stated in the warrant for the annual meeting and such election and vote shall be deemed part of the Annual District Meeting.
- II All meetings may be called by a majority of the Board of Water Commissioners, directed to the Clerk, or as specified in Chapter 326 of the Acts of 1912, Section 8.
- III All warrants shall be posted at least fourteen (14) days before the time of the meeting.
- IV The Clerk shall preside at each meeting until a Moderator is chosen.
- V At each annual meeting there shall be elected by ballot, one Commissioner for a term of three years, a Clerk and a Moderator who shall serve for one year.

- VI If a vacancy should occur for any cause in the office of Clerk, Treasurer, or any other officer of the District except the Board of Water Commissioners, it may be filled for any such unexpired term by the Water Commissioners.
- VII The Board of Commissioners shall annually in the report to the District, give an estimated budget for the ensuing year.
- VIII a) The Moderator shall appoint a Finance Committee to advise the Commissioners. The Committee shall consist of three voters of the District and shall be appointed in the following manner:
One member shall be appointed for one year;
One member shall be appointed for two years; and
One member shall be appointed for a term of three years.
Thereafter, each appointment shall be for a term of three years.
- b) No member of the Finance Committee shall serve any other standing committee of the District or the Town of Acton having to do with expenditure of funds.
- c) The Finance Committee shall review the budget for the annual meeting and shall make recommendations to the Commissioners on any matters of a financial nature arising out of an annual or special meeting, and shall make recommendations as to the long range fiscal plans of the District.
- IX The Commissioners shall appoint annually a Treasurer-Collector which office shall have all the powers and duties conferred by law upon a collector of taxes and district treasurer.
- X Any person violating any order restricting water use imposed by vote of the Commissioners shall be fined not more than \$200.00 for each offense, which shall inure to the district for such uses as the Commissioners may direct. Fines shall be recovered by indictment or on a complaint before a district court, or by non-criminal disposition in accordance with section Twenty-one D of Chapter 40 of the General Laws. Every day that such violation continues shall constitute a separate offense.
- XI a) A five member Water - Land Management Advisory Committee is hereby established. Two members to be appointed by the Commissioners for a term of three years, two members to be appointed by the Moderator of the District for a term of two years, one member to be appointed by the Selectmen for a term of one year. Thereafter, each appointment shall be for a term of three years.
- b) The Advisory Committee shall review and make recommendations to the Commissioners on matters relating to water and land management policies of the district and shall make recommendations to the Commissioners on any matters relating to agreement authorized under the "Bylaw to Regulate the Removal of Sale of Sand and Gravel from Lands in District Use", and shall undertake such other tasks related to water and land management as the Commissioners deem appropriate.

XII No person shall turn on or tamper with a water main or hydrant or other device used for water supply or install a by pass around a water meter without first procuring a written permit to do so from the Manager of the Water District. Any person violating said section shall be fined not more than \$200.00 for each offense, which shall inure to the District for such uses as the Commissioners may direct. Fines shall be recovered by indictment or on complaint before the District Court or by non-criminal disposition in accordance with section 21D of Chapter 40 of the General Laws. Every day that such violation continues shall constitute a separate offense. This section shall not curtail the fire department or Water District in the normal course of providing fire protection or water supply.

NEW BY-LAW

"By-Law to Regulate the Removal and Sale of Sand and Gravel from Lands in District Use".

Section One. The purpose of this bylaw is to regulate the removal of sand and gravel on lands owned or leased by the district so as to promote safe and sound economic development, improvement and management of said land; and protect and preserve the purity of the water supply, wells and aquifers.

Section Two. The Commissioners shall fix a reasonable time for a public hearing on any proposal for removal and sale of sand and gravel from land in district use. Notice of the public hearing shall be given at least two weeks prior to the hearing by publication of the time, place and purpose of the hearing in a local newspaper, and by mailing a copy of said notice to the owners of all property within five hundred (500) feet of the property line of the district land as they appear on the most recent applicable tax list. Included in the list of owners shall be abutters, owners of land directly opposite on any public or private street, and abutters to abutters within the five hundred (500) feet aforesaid.

The public hearing shall be held no later than 21 days prior to the business meeting of the district which includes an appropriate warrant article for action by voters of the district. Action by voters of the district on any article permitting the Commissioners to enter into a written contract for removal and/or sale of earth materials from lands of the district shall require a two-thirds vote. At the public hearing the Commissioners shall present evidence of the need for excavation, removal and/or sale of earth materials from district lands; the depth and limits of excavation; a site specific map of wetlands, limits of 100 year flood plain, vegetation, surface waters, topography (before and after), property lines and adjacent land uses; and estimation of high water table on the land.

Section Three. In entering into a written contract not to exceed one year, the Commissioners shall impose conditions and specifications including but not limited to the following:

- A. A detailed plan showing limits and phases of excavation.
- B. Specific and reasonable hours of operation, including truck arrival and departure.
- C. Required stockpiling of topsoil for use in restoration.

- D. Prohibition of excavation within 10 feet of the annual high water table.
- E. Prohibition of removal within 100 feet of property lines and existing public ways.
- F. Limitation of work faces to 10 vertical feet and requirement that all faces shall be broken down to their natural angle of repose at the end of each working day. Any existing non complying faces shall be reduced as fast as safety and practical engineering permit.
- G. Maintenance of natural vegetation on undisturbed land for screening and noise reduction purposes, and provision for dust suppression on the site.
- H. A requirement that restoration be carried on simultaneously with excavation, so that when any three acres operation area has been excavated, at least two acres shall be restored before work commences on the next contiguous three acres, so that at no time will more than four acres be unrestored.
- I. Provisions to grade slopes safely, loam and revegetate all disturbed areas.
- J. Removal of debris, stumps, boulders, etc. from the site and dispose of in an approved location or, in the case of inorganic matter, buried and covered with at least two feet of soil.
- K. A requirement that all retained subsoil and topsoil be spread over the disturbed area and seeded. Trees or shrubs of prescribed species will be planted to provide screening and reduce erosion during the establishment period.
- L. A requirement that final restoration work be completed within 60 days, weather permitting, after completion of excavation operations.
- M. A requirement of posting of surety bond, performance and payment bond or other adequate security to insure compliance with terms of the contract.
- N. Regular inspection by the Commissionets or their agent at reasonable hours to insure that contract provisions are being adhered to, and provision for halting operations for any violation.
- O. Other appropriate conditions, limitations and safeguards as the Commissioners deem necessary for the protection of the public health, safety, convenience and welfare, and for protection and preservation of the purity of the water.