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*Metropolitan District Commission*  
CAMBRIDGE, MASS  
*20 Somerset Street, Boston 02108*

TERRENCE J. GEOGHEGAN  
COMMISSIONER

October 23, 1981

To The Designated Officials of Member Cities and Towns  
Of The Metropolitan District Commission

The attached revised 10-20-81 schedule of ratios of contribution for apportionment of principal and interest and operation and maintenance is being submitted for your review and information. The revised schedule of ratios submitted to you under cover letter of September 28, 1981 was also found to contain an error in which some communities' contributing population factors were deflated because of a change in the dwelling units vs connection ratios. This error has been corrected as attached. In addition, the contributing population figures have been figured using the 1980 Federal census data to get a more realistic distribution of users per community. An emergency open meeting of the sewer members was held on October 21, 1981 at the Minehan Lecture Hall to discuss the revised 10-20-81 assessment ratios.

It is the Division's intention to submit the revised 10-20-81 ratios of contribution to the Commission on October 29, 1981 and if approved will establish the proportion that each city and town served by the Metropolitan District Commission sewage system shall pay to the Commonwealth of Massachusetts.

Your cooperation and understanding over the past 4 weeks is sincerely appreciated by this Agency. If we can be of further assistance, please do not hesitate to notify us at your convenience.

Very truly yours,

  
TERRENCE J. GEOGHEGAN  
Commissioner

*MJS*  
NDB/cas

Enclosures

METROPOLITAN DISTRICT COMMISSION  
SEWERAGE DIVISION

RATIOS OF CONTRIBUTION ON THE BASIS OF CHAPTER 814, ACTS OF 1975, SECTION 5 & 5A  
AND THE CENSUS RETURNS OF 1975 AS DETERMINED BY THE  
METROPOLITAN DISTRICT COMMISSION, SEWERAGE DIVISION

| CITY<br>OR<br>TOWN | CENSUS<br>1975 | FLOW FROM MAJOR<br>INDUSTRIES<br>( > 50,000 GPD) | POPULATION<br>EQUIVALENT OF<br>MAJOR INDUSTRIES | TOTAL<br>CENSUS AND<br>POPULATION<br>EQUIVALENT | RATIOS FOR<br>PRINCIPAL AND<br>INTEREST FISCAL<br>YEAR ENDING<br>JUNE 30, 1982 |
|--------------------|----------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------|
| ARLINGTON          | 50223.         | 0.000                                            | 0.                                              | 50223.                                          | 0.020490                                                                       |
| ASHLAND            | 8906.          | 0.400                                            | 2266.                                           | 11172.                                          | 0.004558                                                                       |
| BEDFORD            | 12314.         | 1.365                                            | 7733.                                           | 20047.                                          | 0.008179                                                                       |
| BELMONT            | 29135.         | 0.200                                            | 1133.                                           | 30268.                                          | 0.012349                                                                       |
| BOSTON             | 639098.        | 19.582                                           | 110930.                                         | 750028.                                         | 0.306003                                                                       |
| BRAINTREE          | 36822.         | 0.228                                            | 1292.                                           | 38114.                                          | 0.015550                                                                       |
| BROOKLINE          | 53150.         | 0.116                                            | 657.                                            | 53807.                                          | 0.021953                                                                       |
| BURLINGTON         | 24306.         | 0.507                                            | 2872.                                           | 27178.                                          | 0.011088                                                                       |
| CAMBRIDGE          | 102095.        | 5.973                                            | 33836.                                          | 135931.                                         | 0.055458                                                                       |
| CANTON             | 18114.         | 0.516                                            | 2923.                                           | 21037.                                          | 0.008583                                                                       |
| CHELSEA            | 25066.         | 0.344                                            | 1949.                                           | 27015.                                          | 0.011022                                                                       |
| DEDHAM             | 26924.         | 0.060                                            | 340.                                            | 27264.                                          | 0.011123                                                                       |
| EVERETT            | 39713.         | 2.112                                            | 11964.                                          | 51677.                                          | 0.021084                                                                       |
| FRAMINGHAM         | 65564.         | 1.076                                            | 6095.                                           | 71659.                                          | 0.029236                                                                       |
| HINGHAM            | 6555.          | 0.000                                            | 0.                                              | 6555.                                           | 0.002674                                                                       |
| HOLBROOK           | 11849.         | 0.000                                            | 0.                                              | 11849.                                          | 0.004834                                                                       |
| LEXINGTON          | 32477.         | 1.096                                            | 6209.                                           | 38686.                                          | 0.015783                                                                       |
| MALDEN             | 55814.         | 0.121                                            | 685.                                            | 56499.                                          | 0.023050                                                                       |
| MEDFORD            | 60702.         | 0.303                                            | 1716.                                           | 62418.                                          | 0.025466                                                                       |
| MELROSE            | 32213.         | 0.075                                            | 425.                                            | 32638.                                          | 0.013316                                                                       |
| MILTON             | 27214.         | 0.000                                            | 0.                                              | 27214.                                          | 0.011103                                                                       |
| NATICK             | 31102.         | 0.448                                            | 2538.                                           | 33640.                                          | 0.013725                                                                       |
| NEEDHAM            | 29936.         | 0.258                                            | 1462.                                           | 31398.                                          | 0.012810                                                                       |
| NEWTON             | 89183.         | 0.739                                            | 4186.                                           | 93369.                                          | 0.038094                                                                       |
| NORWOOD            | 31316.         | 0.550                                            | 3116.                                           | 34432.                                          | 0.014048                                                                       |
| QUINCY             | 91487.         | 1.186                                            | 6719.                                           | 98206.                                          | 0.040067                                                                       |
| RANDOLPH           | 29206.         | 0.000                                            | 0.                                              | 29206.                                          | 0.011916                                                                       |
| READING            | 23696.         | 0.051                                            | 289.                                            | 23985.                                          | 0.009786                                                                       |
| REVERE             | 41292.         | 0.000                                            | 0.                                              | 41292.                                          | 0.016847                                                                       |
| SOMERVILLE         | 80596.         | 0.202                                            | 1144.                                           | 81740.                                          | 0.033349                                                                       |
| STONEHAM           | 21564.         | 0.000                                            | 0.                                              | 21564.                                          | 0.008798                                                                       |
| STOUGHTON          | 25717.         | 0.000                                            | 0.                                              | 25717.                                          | 0.010492                                                                       |
| WAKEFIELD          | 26041.         | 0.055                                            | 312.                                            | 26353.                                          | 0.010752                                                                       |
| WALPOLE            | 18504.         | 2.107                                            | 11936.                                          | 30440.                                          | 0.012419                                                                       |
| WALTHAM            | 58404.         | 3.377                                            | 19130.                                          | 77534.                                          | 0.031633                                                                       |
| WATERTOWN          | 36075.         | 0.239                                            | 1354.                                           | 37429.                                          | 0.015271                                                                       |
| WELLESLEY          | 26593.         | 0.000                                            | 0.                                              | 26593.                                          | 0.010850                                                                       |
| WESTWOOD           | 14019.         | 0.000                                            | 0.                                              | 14019.                                          | 0.005720                                                                       |
| WEYMOUTH           | 56854.         | 0.225                                            | 1275.                                           | 58129.                                          | 0.023716                                                                       |
| WILMINGTON         | 17656.         | 0.907                                            | 5138.                                           | 22794.                                          | 0.009300                                                                       |
| WINCHESTER         | 22672.         | 0.051                                            | 289.                                            | 22961.                                          | 0.009368                                                                       |
| WINTHROP           | 20359.         | 0.000                                            | 0.                                              | 20359.                                          | 0.008306                                                                       |
| WOBURN             | 35329.         | 2.344                                            | 13278.                                          | 48607.                                          | 0.019831                                                                       |
| TOTALS             | 2185855.       | 46.813                                           | 265191.                                         | 2451046.                                        | 1.000000                                                                       |

METROPOLITAN DISTRICT COMMISSION  
SEWERAGE DIVISION

RATIOS OF CONTRIBUTION ON THE BASIS OF CHAPTER 814, ACTS OF 1975, SECTION 6  
AND THE CONTRIBUTING POPULATION AS DETERMINED BY THE  
METROPOLITAN DISTRICT COMMISSION, SEWERAGE DIVISION

| CITY<br>OR<br>TOWN | CONTRIBUTING<br>POPULATION | FLOW FROM MAJOR<br>INDUSTRIES<br>( $>50,000$ GPD) | POPULATION<br>EQUIVALENT OF<br>MAJOR INDUSTRIES | TOTAL CONTRIBUTING<br>POPULATION AND<br>POPULATION EQUIVALENT | RATIOS FOR OPERATION<br>AND MAINTENANCE<br>FISCAL YEAR ENDING<br>JUNE 30, 1981 |
|--------------------|----------------------------|---------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------|
| ARLINGTON          | 47438.                     | 0.000                                             | 0.                                              | 47438.                                                        | 0.022095                                                                       |
| ASHLAND            | 2933.                      | 0.400                                             | 2266.                                           | 5199.                                                         | 0.002421                                                                       |
| BEDFORD            | 6886.                      | 1.365                                             | 7733.                                           | 14619.                                                        | 0.006809                                                                       |
| BELMONT            | 26613.                     | 0.200                                             | 1133.                                           | 27746.                                                        | 0.012923                                                                       |
| BOSTON             | 561285.                    | 19.582                                            | 110930.                                         | 672215.                                                       | 0.313096                                                                       |
| BRAINTREE          | 35610.                     | 0.228                                             | 1292.                                           | 36902.                                                        | 0.017188                                                                       |
| BROOKLINE          | 54732.                     | 0.116                                             | 657.                                            | 55389.                                                        | 0.025798                                                                       |
| BURLINGTON         | 19376.                     | 0.507                                             | 2872.                                           | 22248.                                                        | 0.010362                                                                       |
| CAMBRIDGE          | 94845.                     | 5.973                                             | 33836.                                          | 128681.                                                       | 0.059935                                                                       |
| CANTON             | 11891.                     | 0.516                                             | 2923.                                           | 14814.                                                        | 0.006900                                                                       |
| CHELSEA            | 25304.                     | 0.344                                             | 1949.                                           | 27253.                                                        | 0.012693                                                                       |
| DEDHAM             | 21225.                     | 0.060                                             | 340.                                            | 21565.                                                        | 0.010044                                                                       |
| EVERETT            | 37009.                     | 2.112                                             | 11964.                                          | 48973.                                                        | 0.022810                                                                       |
| FRAMINGHAM         | 52807.                     | 1.076                                             | 6095.                                           | 58902.                                                        | 0.027435                                                                       |
| HINGHAM            | 5062.                      | 0.000                                             | 0.                                              | 5062.                                                         | 0.002358                                                                       |
| HOLBROOK           | 991.                       | 0.000                                             | 0.                                              | 991.                                                          | 0.000462                                                                       |
| LEXINGTON          | 25352.                     | 1.096                                             | 6209.                                           | 31561.                                                        | 0.014700                                                                       |
| MALDEN             | 53119.                     | 0.121                                             | 685.                                            | 53804.                                                        | 0.025060                                                                       |
| MEDFORD            | 57786.                     | 0.303                                             | 1716.                                           | 59502.                                                        | 0.027714                                                                       |
| MELROSE            | 29905.                     | 0.075                                             | 425.                                            | 30330.                                                        | 0.014127                                                                       |
| MILTON             | 24127.                     | 0.000                                             | 0.                                              | 24127.                                                        | 0.011238                                                                       |
| NATICK             | 21507.                     | 0.448                                             | 2538.                                           | 24045.                                                        | 0.011199                                                                       |
| NEEDHAM            | 23883.                     | 0.258                                             | 1462.                                           | 25345.                                                        | 0.011805                                                                       |
| NEWTON             | 81531.                     | 0.739                                             | 4186.                                           | 85717.                                                        | 0.039924                                                                       |
| NORWOOD            | 29562.                     | 0.550                                             | 3116.                                           | 32678.                                                        | 0.015220                                                                       |
| QUINCY             | 84319.                     | 1.186                                             | 6719.                                           | 91038.                                                        | 0.042402                                                                       |
| RANDOLPH           | 20825.                     | 0.000                                             | 0.                                              | 20825.                                                        | 0.009700                                                                       |
| READING            | 18210.                     | 0.051                                             | 289.                                            | 18499.                                                        | 0.008616                                                                       |
| REVERE             | 40514.                     | 0.000                                             | 0.                                              | 40514.                                                        | 0.018870                                                                       |
| SOMERVILLE         | 76985.                     | 0.202                                             | 1144.                                           | 78129.                                                        | 0.036390                                                                       |
| STONEHAM           | 21124.                     | 0.000                                             | 0.                                              | 21124.                                                        | 0.009839                                                                       |
| STOUGHTON          | 12046.                     | 0.000                                             | 0.                                              | 12046.                                                        | 0.005611                                                                       |
| WAKEFIELD          | 24571.                     | 0.055                                             | 312.                                            | 24883.                                                        | 0.011590                                                                       |
| WALPOLE            | 5695.                      | 2.107                                             | 11936.                                          | 17631.                                                        | 0.008212                                                                       |
| WALTHAM            | 59548.                     | 3.377                                             | 19130.                                          | 78678.                                                        | 0.036646                                                                       |
| WATERTOWN          | 34212.                     | 0.239                                             | 1354.                                           | 35566.                                                        | 0.016565                                                                       |
| WELLESLEY          | 23427.                     | 0.000                                             | 0.                                              | 23427.                                                        | 0.010911                                                                       |
| WESTWOOD           | 5747.                      | 0.000                                             | 0.                                              | 5747.                                                         | 0.002677                                                                       |
| WEYMOUTH           | 38309.                     | 0.225                                             | 1275.                                           | 39584.                                                        | 0.018437                                                                       |
| WILMINGTON         | 210.                       | 0.907                                             | 5138.                                           | 5348.                                                         | 0.002491                                                                       |
| WINCHESTER         | 18507.                     | 0.051                                             | 289.                                            | 18796.                                                        | 0.008755                                                                       |
| WINTHROP           | 19198.                     | 0.000                                             | 0.                                              | 19198.                                                        | 0.008942                                                                       |
| WOBURN             | 27579.                     | 2.344                                             | 13278.                                          | 40857.                                                        | 0.019030                                                                       |
| TOTALS             | 1881805.                   | 46.813                                            | 265191.                                         | 2146996.                                                      | 1.000000                                                                       |

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Comm. from Terence J. Geoghegan, Commissioner, MDC re: schedule of rates of apportionment of principal & interest & operation & maintenance.

In City Council,

November 2, 1981

11/2/81

Referred to the  
City Manager

Copy sent to City Managers  
Office 11/3/81 mlh