

**PUBLIC DOCUMENT NO. 45; NINTH
ANNUAL REPORT OF THE BOARD
OF METROPOLITAN SEWERAGE
COMMISSIONERS, FOR THE YEAR
ENDING SEPTEMBER 30, 1897**

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MASSACHUSETTS METROPOLITAN DISTRICT COMMISSION

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NINTH ANNUAL REPORT

OF THE

BOARD

OF

Massachusetts.

METROPOLITAN SEWERAGE

COMMISSIONERS,

FOR THE

YEAR ENDING SEPTEMBER 30, 1897.

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Commonwealth of Massachusetts.

To the Honorable the Senate and the House of Representatives.

The Board of Metropolitan Sewerage Commissioners, created by chapter 439, Acts of 1889, presents its annual report, which is the ninth since its organization, and covers the year ending Sept. 30, 1897.

In our report for 1896 (Public Document No. 45, 1897) the practical completion of the north metropolitan system was announced. Chapter 414 of the Acts of 1896, as amended by chapter 88 of the Acts of 1897, authorized the extension of this system to include a portion of the town of Wakefield, and made an appropriation therefor; while chapter 436 of the Acts of the latter year authorized and instructed this Board to provide an additional outlet for the town of Stoneham, and provided the means therefor. Both of these branches will be found more fully treated of under the north metropolitan system, sections 50 and 51. In our fourth annual report (Public Document No. 45, 1893) this Board announced that "the Charles River valley system has been completed and in use since early in April" (1892).

The work of construction has progressed steadily upon the Neponset valley system, and many of the sections thereon that were in the course of construction at the time our last report was rendered have been completed, while contracts have been made during the year for the remaining sections upon this system, and some of these sections are also completed at this time (Oct. 1, 1897). Your attention is called to the report of our chief engineer, and the tables following in connection with this report, for fuller details.

NORTH METROPOLITAN SYSTEM.

The following settlements for land taken upon this system have been made during the year : —

By deed of release, dated the 8th of October, 1896, Stephen P. Weld for himself, and as trustee, releases to the Commonwealth "all my claims and demands for damages" and "all claims and demands of Saml. B. Whittemore" and others, for a taking made by this Board, dated Jan. 7, 1893, and recorded with Middlesex South District Deeds, book 2169, page 457. Weld's deed is recorded in Middlesex South District Deeds, book 2569, page 242, and is accompanied by two other deeds, one from Saml. B. Whittemore, trustee, and others, assigning to said Weld "all and singular our claims and demands against the Commonwealth" by reason of said taking. This deed is recorded with Middlesex South District Deeds, book 2569, page 241. A further quit-claim from Saml. B. Whittemore and Grace T., his wife, of the land included within said taking, accompanies deed of said Weld, being recorded with Middlesex South District Deeds, book 2569, page 244. These deeds cover a strip of land along Alewife Brook in Cambridge, near where it crosses North Avenue in said city. A deed of Louville V. Niles, dated Nov. 2, 1896, releases rights in land in Winchester included within a taking made by this Board July 14, 1893, and recorded with Middlesex South District Deeds, book 2210, page 162. Said deed from Niles is recorded in Middlesex South District Deeds, book 2539, page 336. And the said Louville V. Niles, by deed dated Nov. 2, 1896, releases to the Commonwealth rights in a certain parcel of land in said Winchester included within a taking made by this Board June 2, 1894, and recorded with Middlesex South District Deeds, book 2282, page 388. The latter deed of Niles is recorded with Middlesex South District Deeds, book 2539, page 334, and is accompanied by a deed from Clara

B. Kimball to said Niles of rights in a certain strip of land in the town of Winchester included within the same taking, which deed is recorded with Middlesex South District Deeds, book 2539, page 333. The first deed of said Niles includes land on Abbajona River in Winchester, and the second deed includes the land taken from Clara B. Kimball by the aforesaid taking, dated June 2, 1894, in said Winchester. Mary E. Davren of Cambridge, by deed dated Dec. 11, 1896, releases to the Commonwealth land in Cambridge included within a taking made by this Board Feb. 6, 1893, recorded with Middlesex South District Deeds, book 2174, page 219. The said deed is recorded with Middlesex South District Deeds, book 2539, page 342. Samuel H. Holt of Cambridge, by a deed dated Dec. 30, 1896, and recorded with Middlesex South District Deeds, book 2539, page 341, releases to the Commonwealth land in said Cambridge included within a taking made July 19, 1893, and recorded with Middlesex South District Deeds, book 2210, page 481. Charles Foster also releases to the Commonwealth by deed dated Jan. 11, 1897, recorded with Middlesex South District Deeds, book 2539, page 340, land in Cambridge included within the same taking. Settlement was made with the Bay State Brick Company for damages to land in Cambridge included in taking dated Jan. 7, 1893, and recorded with Middlesex South District Deeds, book 2169, page 457, the said company at its request being allowed to give the Board a satisfactory receipt for the money paid. Walter Russell and others, by deed dated April 21, 1897, release to the Commonwealth "rights, privileges and easements" in land in Arlington included within a taking made by this Board April 27, 1895, and recorded with Middlesex South District Deeds, book 2361, page 45. The said deed is recorded with Middlesex South District Deeds, book 2559, page 306. George A. Blaney and others, by deed dated May 15, 1897, also release the Commonwealth for damages by reason of a taking made at the same time of land in Somerville. The latter deed is recorded with Middlesex South District Deeds, book 2569, page 246.

Damages sustained by sundry persons in their real estate included within takings made at various times by this Board

were paid by the Commonwealth upon executions issued from the superior court, as follows: January, 1897, Edmund Reardon, Cambridge, included within a taking made Feb. 6, 1893, and recorded with Middlesex South District Deeds, book 2174, page 219. For this the Commonwealth has received a release from said Reardon, which is recorded with the aforesaid Registry, book 2539, page 337. On this section the Commonwealth has also received from said Reardon a release of land belonging at the time of taking to Michael J. Egan, which release is recorded with Middlesex South District Deeds, book 2559, page 304, and is accompanied by a deed from said Egan to Reardon, assigning all claims for damage to him. The last deed is recorded with Middlesex South District Deeds, book 2559, page 303. In the same manner the Commonwealth settled with said Reardon for two parcels of land included within the taking dated March 25, 1893, and recorded with Middlesex South District Deeds, book 2183, page 245. A deed from Edmund Reardon, recorded with Middlesex South District Deeds, book 2539, page 338, releases to the Commonwealth land included in one lot, while a deed from Ellen M. Reardon, his wife, recorded with Middlesex South District Deeds, book 2539, page 339, releases land on said section included in another lot. March, 1897, Cochrane Carpet Company, Malden, and John Cochrane, Jr., Malden, included within a taking recorded with Middlesex South District Deeds, book 2124, page 123. Samuel Cabot, for damage to his lamp-black factory on Marginal Street, East Boston, said street being included within a taking dated Aug. 1, 1891, recorded with Suffolk Deeds, book 2010, page 474. Said Cabot claimed damage to his factory on said street by reason of the construction of the sewer therein.

LAND TAKINGS.

In our last report, page xix, in speaking of the extension of this system to Wakefield, we called attention to the fact that our engineer considered the appropriation of thirty thousand dollars too small, and we recommended that the additional sum of five thousand dollars be appropriated.

Chapter 88 of the Acts of 1897 made the additional appropriation asked for, and enabled this Board to pay for so much of the local sewer in Melrose constructed by said town, and described in chapter 414 of the Acts of 1896 for the extension of the sewer to Wakefield. On Nov. 21, 1896, this Board executed a deed, recorded with Middlesex South District Deeds, book 2515, page 545, taking "for the said Commonwealth the sewers owned by the town of Melrose and already constructed under the following-described lands, all situated in said Melrose, in the county of Middlesex, and the right to carry and conduct under the said lands and therein to construct, to operate and forever to maintain an underground main sewer and connecting sewers, drains, man-holes and underground appurtenances, and to repair and renew the same;" through Wyoming Avenue and Hurd Street, crossing the location of the Boston & Maine Railroad to Berwick Street; thence *via* Berwick, Grove, Myrtle and Essex streets to the northerly line of Emerson Street at its junction with Tremont Street, and in said Tremont Street to the northerly line of Lake Avenue produced, as shown on three plans of even date recorded with the taking. On April 24, 1897, the Board executed a deed taking an easement in lands and streets situated mostly in Melrose and partly in Wakefield necessary for constructing an extension of the metropolitan sewerage system to the villages of Greenwood and Boyntonville, under the provisions of chapter 414, Acts of 1896, which deed is recorded with Middlesex South District Deeds, book 2559, page 301. The Board was further instructed by chapter 436, Acts of 1897, to construct branch sewers in Melrose to the Stoneham line, as an additional outlet for the sewage of the town of Stoneham, and in accordance with said instructions executed on July 17, 1897, a deed, recorded with Middlesex South District Deeds, book 2581, page 353, taking the right of way necessary for said sewer, as shown on plans drawn by Wm. M. Brown, Jr., chief engineer, of even date, and recorded with said taking.

The Legislature of 1897 also passed an act, chapter 520, Acts of 1897, providing "for the addition of a portion of the town of Lexington to the metropolitan sewerage system," which was approved on June 11 of that year. Section

11 of said act provides that it "shall take effect upon its acceptance by a vote of a majority of the legal voters of said town of Lexington present and voting thereon at a legal meeting called for that purpose within one year from the date of its passage."

This Board has never been notified of the acceptance of said act by the town of Lexington, but are informed that the said town intends to seek amendments thereto from the present Legislature. By the aforesaid act seventy thousand dollars was appropriated to carry out the provisions thereof, but, as this Board has received no notice of its acceptance, the work has not been entered upon.

CONTRACTS.

Contracts for the construction of sections 50 (Wakefield branch) and 51 (Stoneham branch) are the only contracts for construction made by this Board on this system during the past year. Bids for the former were received and opened April 24, 1897, a full list of which will be found in Table A of the Appendix. The bids for the latter were received and opened on July 3, 1897, and Table A of the Appendix shows the bids received at that time. On the former section the Board at its meeting on May 1, 1897, accepted the bid of the John Booth Company, and fixed the bond at \$3,000; this was furnished, with the American Surety Company of New York as surety, and the contract duly executed. On section 51 the A. W. Bryne Construction Company, the lowest bidder, was awarded the contract, and furnished surety, consisting of Wm. G. Nash of Somerville and E. O. Glidden of Cambridge, for \$1,500, which was duly accepted by the Board, and the contract executed with them for the construction of the section.

These two sections add about $2\frac{3}{4}$ miles to this system, and will probably be completed early in January (1898). When they are completed there will be about 45.65 miles of sewer in this system.

The engineer's report herewith contains a full account of the progress of the work on said sections.