

COUNCIL PROCEEDINGS.

[OFFICIAL]

Council Chamber.

Ann Arbor, Jan. 28th 1892.

Adjourned meeting.

Council met and was called to order by Pres. Cooley.

Roll called. Quorum present.

Absent, Alds. Herz, Fillmore Rehberg and O'Hearn.—4.

PETITIONS AND COMMUNICATIONS.

To the Common Council:

Your committee on sewers to whom was referred the report of Prof. Chas. E. Greene on estimates of the cost of a main sewer, as per resolution of Nov. 16th, beg leave to report as follows: That they have carefully examined the several estimates submitted, and have gone over the ground of the proposed route in company with Prof. Greene and the board of public works. It is the unanimous opinion of this committee that nothing is to be gained by extending the main sewer to Bunker's Dam, while the expense is thereby increased very materially. The grade from Main st. is reduced from 3 inches to 2.5 inches per one hundred feet, which corresponds to a rise of about 2 feet at the R. R. bridge. The capacity of the sewer will thereby be considerably diminished. The condition of the river at the R. R. bridge is quite as suitable to receive sewerage, as further down. The fourth estimate of Prof. Greene, is for a 30 inch brick sewer from Bunker's Dam to Huron st., a 24-inch pipe from Huron st. to Hill st., and a 22-inch on Hill st. to the creek, and amounts to \$47,391. This is more than double the expense of the plan recommended, and in the opinion of the committee, not to be considered. The third estimate is for a 24-inch pipe from the R. R. bridge to Hill st., and a 22-inch on Hill st. to the creek, and amounts to \$27,208. If carried to Bunker's Dam, the amount is \$33,210. The second estimate is for a 24-inch pipe from the R. R. bridge to Miller ave, and an 18-inch pipe from Miller ave. to the creek on Hill st., and amounts \$25,476. If carried to Bunker's Dam the amount is \$28,757. In the opinion of your committee, neither of these plans is advisable.

An examination of the sewage map shows that nothing is to be gained by carrying the 24-inch pipe further up than Main st. At this point the grade becomes steeper, and the quantity of sewage less, and a smaller pipe will answer quite as well. The

first estimate is for the plan as originally submitted and calls for a 22-inch pipe from the R. R. bridge to Main st., an 18-inch pipe from Main st. to Miller ave., a 15-inch from Miller ave. to William st., and a 12-inch from William st. to the creek on Hill st., and amounts to \$19,692. If carried to Bunker's Dam, the amount will be \$22,409. The sizes of pipe as given in this estimate are based on the best engineering precedents and are ample for a city from 16,000 to 20,000 inhabitants. As in the opinion of several members of this council, and of others of our citizens, it would be well to increase these sizes somewhat, owing to the rapid growth of our city, your committee after conferring with Prof. Greene are inclined to recommend such increase. While it is undesirable from a sanitary standpoint to use pipe much too large for the service required, a slight increase in size over those recommended would not be harmful. The following plan is therefore proposed: 24-inch from the R. R. bridge to Main st., 22-inch from Main st. to Miller ave., 18-inch from Miller ave. to William st., and 15-inch from William st. to creek on Hill st. At the request of the committee, Prof Greene has submitted an estimate of the cost as thus proposed, which amounts to \$24,473. Prof Greene's report is hereunto attached as a part of this report. In order that the route of the sewer and the sizes of the pipes might have the fullest consideration, and receive the discussion which their importance demands, by the members of the council, a meeting of the committee was called for Saturday, the 9th inst., at which all of the members of the council were invited to be present. The balance of this report covers the action of this joint committee.

Present, Alds. Ferguson, Fillmore, O'Hearn, Hall, Kitson, Taylor and Pres. Cooley, the city clerk and the city attorney.

After a full consideration of the map, estimates submitted by Prof. Greene, the following actions were taken with unanimous votes in each instance.

Ald. O'Hearn moved that the outlet of the sewer be located fifty (50) feet below the first R. R. Bridge.

Carried.

Ald. Fillmore moved that the sewer leave Main st., at the corner of Sum-

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mit st., and cross on private property to the corner of Felch and Ashley sts.

Carried.

Ald. Ferguson moved that the sewer leave First st. near the corner of Miller ave., and cross on private property to Washington st.

Carried.

Ald. Hall moved that the balance of the sewer follow approximately the route laid down on the plans.

Carried.

Ald. Kitson moved that the following sizes of pipe be adopted: 24-inch from outlet to Main st., 22-inch from Main st. to Miller ave., 18-inch from Miller ave. to William st., and 15 inch from William st. to the creek on Hill st.

Carried.

Ald. Kitson moved that a special election be held on the 15th day of February, 1892, to vote on the question of a main sewer.

Carried.

Ald. Taylor moved that a sum of \$25,000 be raised by special tax to build the main sewer.

Carried.

After which the meeting adhoured.

The recommendations of this joint committee, together with the matter preceeding it, are respectfully submitted as the recommendations of your committee on sewers.

Respectfully submitted,
CHRIST. MARTIN,
L. D. WINES,
M. E. COOLEY,
Committee.

Ann Arbor, Jan. 18th, 1892.

Ann Arbor, Jan. 4th, 1891.

Chairman Sewer Committee.

Sir:—According to request I submit the following additional estimate.

If the sizes of pipe for the main sewer are increased, so as to make them 24" diam. from R. R. Bridge to Main st.
22" " " Main st. to Miller ave.
18" " " Miller ave. to William st.
15" " " William st to Hill st. and creek.

I estimate the cost as

6500 ft. 24" pipe	- - - - -	\$ 11259
2600 ft. 22" "	- - - - -	4442
1900 ft. 18" "	- - - - -	3843
3500 ft. 15" "	- - - - -	2692

		\$ 22,236
Add 10% Eng. &c.,		2,237
		\$ 24,473

If 3,600 ft. at lower end are not built at present we have

As above	- - - - -	\$ 22,236
Less 3600 ft., 24" pipe	- - - - -	6,194

		\$ 16,042
Add 10% Eng. &c.,		1,604
		\$ 17,646

If the same 3,600 ft. of 22-inch pipe are deducted from my previous estimate of Dec. 19th,

14,500 ft. 22" to 12" diam.	- - - - -	\$ 17,902
Less 3,600 ft. 22" pipe	- - - - -	5,197

		\$ 12,705
Add 10%		1,270
		\$ 13,975

There appears to be no objection to the above increase of size of pipe

The deviation from First st. on to private property, between Miller ave. and Washington st. may be expected to save from \$1,000 to \$1,500 in the cost of construction.

Yours respectfully,
CHAS. E. GREENE.

To the Honorable, the Common Council:

The Board of Public Works having had the subject matter of a system of sewerage for the city under consideration, respectfully recommend as a most suitable system for the city all conditions being considered, what is known as the separate system. And that the plan of Prof. Chas. E. Greene therefor as indicated on his sewerage map, and explained and amplified in his report thereof accompanying his said map to the common council, be adopted in all things save and except as to route and dimensions of main sewer. That such sewerage map and the said report be and the same is hereby adopted by this board except as to the main sewer, and made a part of this report; reference being had thereto, the said plan and the particulars thereof will more fully and at large appear.

In response to the remainder of your inquiry relating to the main sewer, report is hereby made as follows:

THE MAIN SEWER ROUTE.

That a departure from said map and report be made as to main sewer, and that a main sewer be constructed as follows:

The outlet thereof to be located in the rapid water of Huron river at a point about fifty feet below the first railroad bridge, and running from thence along the most convenient grade to the corner of Fifth ave. and Railroad street, thence along Fifth ave. to Summit street, thence along Summit street to Main street, thence across private property to Felch and Ashley streets, thence along Ashley street and Miller ave. to First street, thence on First street but to leave the same near Miller ave. and thence on private property to Washington street, thence approximately to follow the route laid down on sewer map to Allen's creek on Hill street.

If the right of way over private property shall cost more than a nominal sum, would recommend that the common Council reserve the right to change the route and construct the main sewer in the streets.

SIZES AND KINDS OF PIPE FOR MAIN SEWER.

That such main sewer be constructed of first-class sewer tile of dimensions as follows:

1st--From outlet in Huron river to corner of Summit and Main streets, twenty-four-inch sewer tile and of iron piping of same dimensions where necessary.

2d--From Summit and Main streets to Miller ave., of twenty-inch sewer pipe.

3d--From Miller ave. to Williams street, of eighteen-inch sewer pipe.

4th--From Williams street to Hill street and creek, of fifteen-inch sewer pipe.

MANNER OF CONSTRUCTION.

The sewer pipe should be in all things strictly first-class glazed pipe, laid with hemp and well cemented at all joints, true to line and grade, thoroughly bedded and filled below and at sides of trench, rammed and settled, and to have at least thirty-eight man holes located at convenient points, such man holes to be constructed of hard burned brick walls at least eight inches thick laid in cement and

of suitable size for easy access; the main sewer, throughout its entire length, should have junction pipes for laterals, with proper covers and all needful accessories.

Iron pipe should be laid at all railroad crossings and at crossings of Pontiac street.

ESTIMATE OF COST OF MAIN SEWER.

1st. From outlet in river below railroad to Summit and Main sts., 6,550 feet. of 24 inch sewer pipe laid.....	\$11,625.00
2nd. From Main and Summit street to Miller ave., 2,600 ft. of 20 inch sewer pipe laid	4,442.00
3rd. From Miller avenue to Williams street, 2,100 ft. of 18 inch sewer pipe laid.....	2,362.00
4th. From Williams st. to Hill st. and Creek, 3,500 ft. of 15 inch sewer pipe laid.....	2,692.00
Total cost of sewer pipe laid.....	21,121.00
Engineering and contingencies, 10 per cent.....	2,112.00
Total cost.....	\$23,233.00

This estimate includes all necessary iron pipe, manholes and other needful accessories, but does not include the cost of right of way over private property or for cost of legal proceedings to obtain the same.

We, in conclusion, therefore recommend that the sum of twenty-five thousand dollars be raised by tax for the construction of a main sewer.

All of which is respectfully submitted.

By order of Board of Public Works.

WM. J. MILLER, Clerk.

By Ald. Taylor:

Resolved, That the report of the board of public works be amended and require the placing in the main sewer, an iron pipe 12 inches in diameter, in the form of a "Y" from the main sewer, across the river at the foot of Wall st., for the purpose of receiving the Fifth ward sewage.

Which resolution prevailed.

By Ald. Martin:

Whereas, The board of public works having reported to the council a system of sewerage with a suitable plan therefor and also plan, specification and estimate of the cost of the main sewer thereof, therefore,

Resolved, That such system, plan specification be and the same are hereby in all things approved,

Which resolution prevailed by a ye

and nay vote as follows:

Yeas—Alds. Mann, Wines, Martin, Allmendinger, Ferguson, Taylor, Hall Kitson and Pres. Cooley—9.

Nays—None.

A petition from C. M. Edmunds was received, stating that the said Edmunds, in the year 1889 and 1890 had erroneously been assessed on the east 1-2 of lots 6 and 7, S. P. Jewetts addition to the city of Ann Arbor.

Referred to finance committee.

Ald. Hall moved that the last report made by the sewer committee be spread on the journal.

Which motion prevailed.

By Alderman Mann:

Whereas, The construction of a system of sewerage for the city of Ann Arbor has become and is deemed and hereby declared to be a necessary public improvement, and the board of public works having pursuant to instruction of the council, reported a suitable system therefore, and the council having approved the same, and having determined to cause a system of sewerage to be constructed and having declared their purpose to cause a main sewer to be constructed during the present year, and

Whereas, To build and construct such main sewer it will be necessary to raise by tax on the general tax roll a greater sum of moneys than can be lawfully assessed and levied by the common council after providing for ordinary expenditure of the city without a vote of the electors of the city

authorizing the same. Therefore

Resolved, That a special election be and the same is hereby appointed to be held on the 29th day of February, 1892, at 9 o'clock a. m., and continue until 5 o'clock p. m., of said day, local time, at Fireman's Hall in said city, to determine by ballot what sum and whether the sum of \$25,000 shall be raised by tax on the general tax roll of the said city for the year of A. D. 1892, to be expended for the purpose of building and constructing a main sewer for such sewerage system.

2nd: The city clerk is hereby instructed to cause due notice of said special election to be given pursuant to law.

3rd: The city clerk is hereby instructed to cause to be provided for such special election, 6,000 ballots which shall consist of white paper of equal and convenient size, one-half of which shall have printed thereon the words:

For the sewerage tax, Yes.
and one-half of which shall have printed thereon the words:

For sewerage tax, No.

Which resolution prevailed by a yeas and nay vote as follows:

Yeas—Alds. Mann, Wines, Martin, Allmendinger, Ferguson, Taylor, Hall, Kitson, and Pres. Cooley—9.

On motion the council adjourned.

W. J. MILLER,

City Clerk.