

# COUNCIL PROCEEDINGS. 58

[OFFICIAL]

Council Chamber.

Ann Arbor, Dec. 21, 1891.

Regular meeting.

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

Roll called. Quorum present.

Absent Aids. O'Hearn and Ferguson—2.

Minutes of previous meeting approved.

## PETITIONS AND COMMUNICATIONS.

A petition signed by Swathel, Kyer & Peterson, Reginald Spokes and 25 others, asking the council to cause Summit street (lately called High street) westerly from Main st., to be widened and straightened, to be 66 feet in width.

Referred to street committee.

## REPORT OF STANDING COMMITTEE.

To the Common Council:—

Your committee on lighting to whom was referred the matter of lighting the city for next year, commencing Jan. 1st, A. D. 1892, would respectfully recommend that the proposition of the Ann Arbor T. H. Electric Co., be accepted under same condition as last year, except that when poles and lights are ordered moved that the said Ann Arbor T. H. Electric Co., shall move the same at their own expense under the direction of the lighting committee or street commissioner as the common council may direct.

Respectfully submitted,

WILLIAM HERZ,

GEO. ALLMENDINGER

ARTHUR J. KITSON,

Lighting Com.

Ald Martin moved that the report be accepted and adopted.

Which motion prevailed as follows:

Yeas—Aids. Mann, Wines, Herz, Martin, Allmendinger, Fillmore, Taylor, Rehberg, Hall, Kitson, Pres. Cooley—11.

## REPORTS OF SPECIAL COMMITTEES.

To the Common Council:—

Your committee which was appointed to negotiate for the extension of Fourth ave., from Madison st. to Hill st., respectfully report that they have had an interview with Mr. Parker, the owner of the land required for such extension.

The least sum that Mr. Parker will take is eight hundred dollars (\$800).

Your committee are of the opinion that such a sum is in excess of the real worth of the land required including all possible damage to come from the opening of such street, and recommend that condemnation proceedings be instituted to acquire the necessary right of way.

Respectfully submitted,

E. G. MANN,

GEO. ALLMENDINGER,

LOUIS P. HALL,

Committee.

Ald. Mann moved that the report be accepted and adopted and committee discharged.

Which motion prevailed as follows:

Yeas—Aids. Mann, Wines, Herz, Martin, Allmendinger, Fillmore, Taylor, Rehberg, Hall, Kitson, Pres. Cooley—11.

## REPORTS OF CITY OFFICERS.

I hereby announce the appointment, by the mayor, of D. Bycraft and Robt. Leonard as special policemen at the opera house, subject to the provisions of the resolution passed Dec. 7th, 1891.

WM. J. MILLER, Clerk.

Ann Arbor, Dec. 21, 1891.

## MOTIONS AND RESOLUTIONS.

By Ald. Herz.

Resolved, That the mayor and city clerk be and they are hereby authorized to contract with the Ann Arbor T. H. Electric Co., for the city to light the city according to the terms of last year's contract, except that when poles or lights are ordered moved or changed, the said company shall change or remove the same at their own expense.

Which motion prevailed as follows:

Yeas—Aids. Mann, Wines, Herz, Martin, Allmendinger, Fillmore, Taylor, Rehberg, Hall, Kitson, Pres. Cooley—11.

By Ald. Mann.

Whereas, This council, having through its committee, duly instructed for that purpose, made a fair and reasonable effort to obtain the right of way for the extension of Fourth ave. southerly from Madison street to Hill street; also a release of damage likely to be occasioned thereby, and this council doth declare that such right of way has not been obtained by purchase or otherwise, for the reason that we were not able to

agree with the person interested in the land and tenements, required, or affected thereby, therefore

Resolved, That the city clerk do certify this resolution to the city attorney, who is hereby directed forthwith to institute proceeding in condemnation, and acquire such right of way and settle such and all such claims for damage.

Which resolution prevailed as follows:

Yeas—Alds. Mann, Wines, Herz, Martin, Almdendinger, Fillmore, Taylor, Rehberg, Hall, Kitson, Pres. Cooley—11.

By Ald. Mann.

Whereas the old cemetery is now in possession of the city and is too valuable to hold long out of use, and, whereas, it is desirable to make the best use of the same, consistent with the rights of the people therefore

Resolved, That the committee on parks and the city attorney submit a plan for renting for residence purposes or other suitable use and report to the council at their earliest convenience.

Referred to park committee.

Ald. Taylor moved that the appointments made by the mayor of D. Bycraft and Robert Leonard as special policemen at opera house be confirmed by this council.

Which motion prevailed.

MISCELLANEOUS BUSINESS.

Prof. Chas. E. Greene made a further report on sewerage as requested by the council, with plans and profile.

The report of Prof. Greene is as follows:

To the Common Council of the City of Ann Arbor.

Gentlemen:—Under the resolution of the common council of Nov. 16th, 1891, I have made the following estimate of cost of a main sewer for the city of Ann Arbor, from the creek on Hill st., to the Huron river, and I submit with the estimate, a plan and profile for the sewer, showing the line from Bunker's Dam and the R. R. bridge to Liberty st., which, in connection with the general plan made and reported by me two years ago, will cover all the points referred to in the above resolution.

"The estimate of cost for a pipe sewer from the R. R. bridge to Hill st. at the creek, as per my original plan, is:—

R. R. bridge to foot of Main st., 6500 ft. 22 in. pipe-----	\$9,466
Foot of Main st. to Miller ave., 2600 ft. 18 in pipe-----	3,104
Miller ave. to William st., 1900 ft. 15 in. pipe-----	3,217
William st. to Hill st and creek, 3500 ft. 12 in. pipe-----	2,115
Total 14500 ft-----	\$17,902
Engineering and Contingencies, 10%-----	\$ 1,790
Total-----	\$19,692

If the above line is continued to Bunker's Dam, add 1900 ft., 22 in. pipe-----	2,470
Plus 10%-----	247
	\$22,409

If the above line is built with 24" pipe in place of 22" and 18" from the R. R. bridge as far as Miller ave., and then with 18' pipe to Hill st., the estimate will be:

R. R. bridge to Miller ave., 9100 ft , 24 in. pipe-----	\$15,908
Miller ave. to Hill st. and creek, 5400 ft. 18 in pipe-----	\$ 7,252
	\$23,160
Engineering and Contingencies, 10%-----	2,316
	\$25,476
If the line is continued to Bunker's Dam add 1900 ft., 24 in. pipe-----	2,983
Plus 10%-----	298
	\$28,757

If the line is built with 24 in. pipe from R. R. bridge as far as Hill st., and 22 in. pipe from thence to creek, we will have 14000 ft. 24 in. pipe-----	\$26,473
500 ft. 22 in. pipe-----	735
	\$27,208
Engineering and Contingencies, 10%-----	2,721
	\$29,929
If continued to Bunker's Dam add as above-----	3,281
	\$33,210

The resolution of Nov. 16th, calls for an estimate for a main sewer, from Bunker's Dam, with 30", first quality sewer pipe from its outlet to the south side of Huron st., and 26" pipe from Huron st. to south line of Hill st., and 22" pipe from Hill st. to stopping place as indicated on map. As I understand that no larger size of sewer pipe than 24" is made, I have felt obliged to estimate on 30" brick sewer for the lower portion, a 24" pipe from Huron to Hill st., and a 22" pipe for the remaining distance. The quantities, therefore will be,

Bunker's Dam to M. C. R. R., 1900 ft. brick sewer, 30 in. diameter, 8 in. thick-----	\$ 4,750
M. C. R. R. bridge to Huron st., 9800 ft. brick sewer, 30 in. diameter, 8 in. thick-----	29,400
Huron to Hill st., 4200 ft. 24 in. pipe-----	8,125
On Hill st., 550 ft. 22 in. pipe-----	808
	\$43,083
Engineering and Contingencies, 10%-----	7,308
	\$47,391

As will be seen by inspection of the profile, to carry the sewer to Bunker's Dam, will require a lessening of the grade and hence a diminution of the velocity. I am, therefore, of the opinion that this lesser grade and the further diminution of velocity from the greater roughness of the interior will render 30" brick sewer no more efficient for conveyance of sewage than the 24" and possibly the 22" pipe. As brick is not impervious to water, the capacity of this sewer will be further diminished by the infiltration of ground water, of which there is considerable all along the river bank.

The author of the resolution under which this report is submitted did not probably notice that, on the general plan, the grade of the main sewer is steeper above the intersection of Main and Summit sts. than it is below, and that, if 24" pipe or 30" sewer is large enough below that point, it should, for due economy, be reduced proportionately above that point, not taking account of the increase of sewage from laterals along the way.

The sewer, as estimated, is supposed to be tendered for by contractors of experience in this line of work, after public advertisement.

A very material reduction from these figures can be made, if the line of the sewer can be laid in the neighborhood of Allen creek, across private property, as indicated approx-

imately by the dotted line, thus avoiding the deep cutting shown on the profile on First st., from Catharine to Washington st., and in a less degree at the corner of Main and Felch sts. For the deepest cut the saving would be from \$1.50 to \$2 per running foot.

While from an engineering and sanitary point of view I am unable to see why it is suggested that the outlet should be carried down to Bunker's Dam, I have estimated to that point, as requested, in addition to the line originally proposed. I am still of the opinion, as expressed in my first report, that, while it is wise to plan a grade which will admit of extension to the R. R. bridge, there is no necessity, for the present, of carrying the sewer farther than the foot of 13th street.

Respectfully submitted,

CHAS. E. GREENE, C. E.

Ann Arbor, Dec. 19, '91.

Ald. Hall moved that the report, plans and profiles of Prof. Chas. E. Greene be received and referred to sewerage committee and report be spread on the record.

Which motion unanimously prevailed.

On motion the council adjourned.

WM. J. MILLER,

City Clerk.