

COUNCIL CHAMBER. }

Ann Arbor, March 1st, 1897. }

Regular Session.

Called to order by President Hiscock.

Roll Called. Quorum present.

Absent, Ald. Grossman, Coon, Soule.

COMMUNICATIONS FROM THE MAYOR.

To the Honorable the Common Council of the City of Ann Arbor.

Gentlemen:—On entering upon the duties of my Office nearly two years ago I found the saloons and other places where intoxicating liquors were sold, were allowed to keep open from 6:30 A. A. to 10 o'clock at night, standard time. This custom was sanctioned by our City Officials and seemed to have the tacit approval of the citizens in general. And in consideration of the years it has been in practice and the general satisfaction it has given, the present administration has failed to see any just reason why it should deviate from the path of its predecessors as far as the time for opening and closing is concerned, but there should be a definite time fixed by the proper authority, which power is by statute conferred on the Common Council. Our State Legislature of 1887—8 passed an act which established the time of opening of any place where intoxicating liquors were sold to be not earlier than 7 A. M. and to close not later than 9 P. M. but the same Act grants to the Common Council of Cities the power to extend the time of closing to 11 o'clock in the evening and to allow them to open in the morning as early as 6 o'clock. I would therefore suggest to your Honorable Body that you take a middle ground and by the ordinance fix the time of opening at 6:30 in the morning and that they be allowed to remain open until 10 o'clock in the evening, standard time.

WARREN E. WALKER,

Mayor.

Ald. Maynard moved that the Communication be laid on the table.

Adopted.

PETITIONS AND COMMUNICATIONS.

A petition signed by Charles Kingsley asking for return of taxes was read and referred to to Finance Committee.

COMMUNICATIONS FROM THE BOARD OF PUBLIC WORKS.

To the Common Council.

The Board of Public Works would respectfully recommend that \$25.00 be appropriated from the Street Fund to purchase gravel for filling in Wall street, the North Side Church having offered the City gravel at ten cents per load delivered.

Glen V. Mills,

Clerk of the Board of Public Works.

Adopted as follows:

Yeas—Ald. Maynard Moore, Koch, Laubengaver, Dell, Burke, Brown, Shadford, Rhodes, Cady, Danforth, Pres. Hiscock—12.

Nays—None.

FINANCE.

To the Common Council.

Your Committee on Finance respectfully report that they have had the following bills under consideration and would recommend their allowance and that warrants be ordered drawn for the same.

Respectfully submitted,

C. H. Cady,
Harrison Soule,

Committee on Finance.

CONTINGENT FUND.

Glen V Mills, salary.....	\$ 83 34
Patrick O'Hearn, "	83 34
Thomas D Kearney, "	50 00
Charles H Manly, "	8 34
Mrs C A Greene, rent.....	24 17
City of Ann Arbor heat furnished....	5 00
Mack & Schmid, rent.....	10 00
Marvin Davenport janitor work.....	11 25
Ann Arbor Savings Bank accounts assigned.....	10 00
Glen V Mills, postage.....	2 25
Ann Arbor Electric Co lighting.....	447 10
Sid W Millard printing.....	25 00
Bailey & Edmunds repairs.....	5 95
Zenas Sweet serving subpoenas	17 20
DHiscock & Son coal.....	19 50
Kenny & Quinlan repairs.....	8 35
Inland Press, printing	21 50
E A Clark salary.....	25 00
Sneehan & Co., supplies.....	3 95
J F Schuh entry fee.....	2 00
Kenny & Quinlan labor and supplies	5 75
Ann Arbor Saving Bank acct assigned	9 00
Dr John Kapp salary.....	37 50
Ann Arbor Register printing.....	15 12

Eli W Moore salary.....	12 50
H B Dodsley salary.....	25 00
E B Pond Justice fees.....	5 15
John Reynolds juror.....	50
Jos L Rose juror.....	50
D Stilson juror.....	50
S E Filden juror.....	50
Wm Merithew juror.....	50
J J Ferguson juror.....	50
C J Snyder witness.....	48
David Crawford rent.....	10 00
Total.....	\$ 986 74

SEWER FUND-General.

E W Groves salary.....	75 00
------------------------	-------

STREET FUND.

Ann Arbor Savings Bank accounts assigned them:	
Eratus White labor.....	\$ 1 50
M Herey labor.....	1 50
John Groff labor.....	1 50
Ed Hurst stone.....	1 60
John Kittle labor.....	1 50
John Groff ".....	1 50
Charles Alber ".....	1 58
Chauncey Thompson labor.....	3 00
John Groff labor.....	3 00
Wm Fletcher labor.....	7 87
James Mason labor.....	3 90
John McHugh ".....	1 50
Henry Hermann ".....	1 43
Herman Stierle ".....	1 43
Chauncey Thompson labor.....	3 00
B French labor.....	1 50
Julius Weinberg ".....	1 50
Eratus White ".....	1 50
Wm J Randall labor.....	1 50
Bennett French ".....	1 50
Michael Herey labor.....	1 50
Chauncey Thompson labor.....	3 00
Adolph Finkbinder ".....	60
Bennett French labor.....	1 50
James Mason labor.....	8 10
Anton Otto labor.....	2 03
Julius Weinberg labor.....	1 50
Fred Keebler labor.....	2 10
Michael Ziefe ".....	2 10
John J Ferguson ".....	4 50
August Herman ".....	1 35
Michael Herey ".....	1 50
Jacob Schmetter ".....	2 10
Chauncey Thompson labor.....	3 00
Michael Williams labor.....	6 00
Wm J Randall labor.....	1 50
Gustave Walters labor.....	60
Total.....	87 79
State Savings Bank assigned by Martin Nagel.....	1 50
Glen V Mills accounts assigned.....	1 50
J H Miller's Sons ".....	1 60
Daniel J Ross salary.....	66 66
Martin Nagel labor.....	3 00
John McHugh ".....	1 50
Julius Weinberg ".....	1 50
John McHugh labor.....	1 59
Thomas Hannan ".....	6 00
John Kittle ".....	1 50
M M Wheelock ".....	4 50
Geo F Key ".....	100 00
Total.....	\$ 263 24

POLICE FUND.

M C Peterson. salary and expenses...\$	66 00
David Collins, salary.....	50 45
John O'Mara, salary.....	50 00
Reuben Armbruster salary.....	50 00
George Isbell, salary.....	50 00
Christian Brenner livery.....	1 00
Total.....	\$ 267 45

FIRE DEPARTMENT FUND.

Fred Siple, salary.....	\$ 60 00
C A Edwards.....	50 00
W H McLaren.....	50 00
Max Whitlinger.....	50 00
Albert West.....	50 00
Eugene Williams.....	50 00
Herman Kirn.....	50 00
Samuel McLaren.....	50 00
Chas Carroll.....	20 00
Louis Hoelzle.....	8 00
W L Schnierle.....	8 00
Ed. Hoelzle.....	8 00
Wm Rettich, salary.....	8 00
Geo Hoelzle.....	8 00
L Rohde coal.....	6 50
G R Kelly straw.....	70
Allmendinger & Schneider bran.....	1 50
E B Hall coal.....	24 48
Clark & Bassett coal.....	15 44
D J Malloy repairs.....	2 40
W S Cromwell straw.....	2 60
Pat Gibney hay.....	7 6
Mrs Ream washing.....	5 00
Kenny & Quinlan supplies.....	9 75
C L Yost team.....	250 00
Total.....	\$ 795 53

POOR FUND.

Fred Siple, salary.....	\$ 10 00
Ann Arbor Railroad freight.....	78 22
S B Densmore wood.....	102 90
M Egan wood.....	38 62
J Volland wood.....	3 00
L R hde wood.....	5 07
G R Kelly wood.....	5 00
Anti Tramp Society labor.....	12 90
Wm Allaby shoes.....	1 50
Frank Burg, groceries.....	1 50
J A Brown groceries.....	1 69
F Bigalke, groceries.....	5 00
E E Beal rubbers.....	50
Doty & Feiner shoes.....	2 50
Ed Duffy, groceries.....	3 00
Eberbach Drug Co medicine.....	45
Mrs Evans, aid.....	5 00
Eberbach Hardware Co saw.....	50
John Goetz, Jr., groceries.....	9 43
John Goetz & Son, groceries.....	10 58
L Gruner shoes.....	1 50
G Hoefler groceries.....	6 00
E B Hall coal.....	3 25
Jacobs & Allmand shoes.....	2 75
W F Lodholz, groceries.....	9 50
Wm H McIntyre, groceries.....	14 58
Mann Bros. medicine.....	60
C A Maynard & Co groceries.....	6 45
F Muehlig coffin.....	10 00
J H Miller's sons groceries.....	2 00
O'Hara, Boyle & Co, groceries.....	8 00
Rinsey & Seabolt, groceries.....	12 30
H Richards coal.....	10 50
C Rinsey, groceries.....	7 35
Wm Reinhardt shoes.....	3 25
L Rohde coal.....	6 50
Staebler & Co groceries.....	6 12
W F Stimson, groceries.....	5 55
Wadhams Ryan & Reule clothing.....	5 00
Wahr & Miller shoes.....	3 50
Chas Zuern, meat.....	1 30
Total.....	\$ 423 36

RECAPITULATION.

Contingent fund.....	\$ 986 74
Sewer Fund General.....	75 00
Street fund.....	266 24
Police fund.....	267 45
Firemen's fund.....	795 53
Poor fund.....	423 36
Total.....	\$ 2814 32

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Cady, Danforth, Pres. Hiscock—12.

Nays—None,

Ald. Soule entered.

ORDINANCE.

Chairman Maynard introduced an Ordinance entitled "An Ordinance relative to the closing of saloons bar-rooms and all other rooms or places where intoxicating liquors are sold upon Sunday, holidays, election days and during the certain hours on all other days of the week, which was given its first reading by title.

Ald. Moore moved that the ordinance be given its second reading.

Adopted.

Whereupon the Ordinance was given its second reading by sections.

SEWERS

To the Common Council:

Your Committee on Sewers would report that they, upon the 26th day of February 1897, sat in open session as directed by this Council and listened to the parties interested in the construction of a sewer in District No. 6. In the territory covered by said district as laid out by the Engineer in Sketch No. A. there are 400 pieces of property. At the session above mentioned 88 persons protested against the construction of such sewer or about one fifth of the property owners of said district and your Committee are of the opinion that of this number a large portion were unduly influenced by certain parties who misrepresented the facts in the case, or they would not have protested against the building of the sewer.

Your Committee are of the opinion that it is a public necessity that a sewer be constructed in said district as petitioned for by the residents of the same and so recommend to this Council.

And further your Committee would recommend that the City Engineer

prepare the necessary plans, specifications and profile for the building of such sewer and that the Board of Public Works be authorized to advertise and let the contract for building the sewer in said district No. 6.

Respectfully submitted,

John Koch,
H. J. Burke,
J. A. Dell,
C. H. Cady.

Committee on Sewers

Adopted as follows:

Yeas—Ald. Maynard, Koch, Laubengayer, Dell, Burke, Brown, Soule, Cady, Danforth, Pres. Hiscock—10.

Nays—Ald. Moore, Shadford, Rhodes—3.

LIGHTING.

To the Common Council:

Your Committee to whom was referred a petition for an electric light to be placed on the Corner of Kingsley and North First street would report advertise to the petition.

Respectfully,

Harrison Soule,
C. H. Cady,
H. P. Danforth.

Committee on Lighting.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth, Pres. Hiscock—13.

Nays—None.

BONDS.

To the Common Council:

Your Committee on Bonds report the bond of Hochrein and Kraus with F. G. Schleicher and John Kapp as sureties and recommend the approval of the same.

Arthur Brown,
Geo. L. Moore,

Committee on Bonds.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth, Pres. Hiscock.—13.

Nays—None.

REPORTS OF STANDING COMMITTEES

To the Common Council:

Your Special Committee to whom was referred the petition protesting against the location of the stone crusher would recommend that the Board of Public Works be directed to secure a location for the crusher which will not be so near the residences as to be objectionable to the people.

Respectfully submitted,

John Koch,
H. J. Burke,
W. M. Shadford,
Special Committee.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth Pres. Hiscock—13.

Nays—None.

REPORTS OF CITY OFFICERS.

The monthly report of the city marshal and superintendent of the poor were read and ordered filed.

To the Common Council:

Gentlemen:—In the matter of bringing suit against the Ellis Estate to collect a certain judgment, that you referred to me, upon investigation I find that suit was begun by summons on the 7th day of May 1894.

In my opinion this action cannot be maintained and the case should be dismissed.

The Common Council never ordered the repair of the walk in question and until notice to repair was given notice to repair was given no liability ensued.

The case of Lynch vs. Hubbard et. al. reported in 101 Michigan on page 43 disposes of this case. This is a Detroit case and the provision of the Detroit Charter relative to the point in question is similar to that contained in our Charter.

In that case the Court says "that the lot owner is not liable unless he has failed to construct or repair the side walk after notice served upon him and

after the Common Council has ordered its construction or repair."

I would therefore recommend that an order be entered dismissing the case.

Respectfully submitted,

Thos. D. Kearney,
City Attorney.

Ald. Cady moved that the recommendation of the city attorney be concurred in and he be ordered to dismiss the suit.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth, Pres. Hiscock—13.

Nays—None.

To the Common Council:

Gentlemen:—In the matter of the petition of Philip Visel that you referred to me I shall report as follows:

You will remember that Mr. Visel claims that he had an agreement with Nelson Sutherland who was Street Commissioner at the time that in consideration of giving the City certain gravel the City would build his sidewalk. I do not understand that the Street Commissioner can bind the City by such contracts. But if Mr. Sutherland made such an agreement and the City received the benefit of it by using the gravel there may be some merit in Mr. Visel's claim.

I would recommend that the matter be referred to a committee to investigate the facts and report their finding to the Council.

Respectfully submitted,

Thos. D. Kearney,
City Attorney.

Ald. Brown moved that the recommendation of the City Attorney be concurred in.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth, Pres. Hiscock—13.

Nays—None.

Pres. Hiscock appointed Ald. Coon,

Maynard, Koch, Laubengayer, Brown, Rhodes and Dauforth as such committee.

To the Common Council:

Gentlemen:—I have investigated the facts set forth in the petition of Christian Mack that you referred to me and find that the City in 1889 opened Third st. from Huron to Washington-sts. and purchased part of the land for the same from one John Pfisterer upon which there was a mortgage held by Mack & Schmid. No release was obtained from Mack & Schmid at the time of the purchase from Pfisterer and they since have foreclosed their mortgage and the equity of redemption expired December 3rd 1896.

I would recommend that this matter be referred to a committee to make the best possible settlement with Mr. Mack and if they are unable to make a reasonable settlement that proceedings be taken to condemn that part of the

street covered by said mortgage.

Respectfully submitted,
Thos. D. Kearney,
City Attorney.

Ald. Maynard moved that the recommendation be concurred in.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth, Pres. Hiscock—13.

Nays—None.

Pres. Hiscock appointed Ald. Cady Coon and Soule as such Committee.

Ald. Maynard moved that the Clerk be directed to draw a warrant for \$6.20 payable to Hardinghaus payment if full for claim for damages.

Adopted as follows:

Yeas—Ald. Maynard, Moore, Koch, Laubengayer, Dell, Burke, Brown, Shadford, Rhodes, Soule, Cady, Danforth, Pres. Hiscock—13.

Nays—None.

On motion the Council adjourned.

GLEN V. MILLS,
City Clerk.

Annual Report of the Board of Public Works, 1896.

To the Common Council:

The Board of Public Works herewith presents to your honorable body the report of the work, ordered by you, and done under our direction during the year 1896; which we submit for your consideration.

GLEN V. MILLS, City Clerk.

REPORT OF CITY ENGINEER.

To the Board of Public Works:

I herewith submit you a report of the condition of the Engineering department at the close of the year 1896.

During the past year the most important improvements carried on under the supervision of the department were the construction of a sewer in Lateral Sewer District No. 5 and the macadamizing of Detroit street.

A detailed report of the cost of macadamizing Detroit street has already been presented to the Board and has been spread on the record of the proceedings.

The cost of sewer construction will be found in a following table. The method of letting the contract for the work was in accordance with the suggestion made in the Engineer's report of 1895 and has proven satisfactory to the city's interest.

The accompanying schedule or tabulation shows the changes in the inventory of the matter on file in my office, with one exception the items are additions to the list as submitted at the last annual report of 1895.

It may perhaps be in order to note a few ideas which in my judgment would be of benefit to the city's good if properly carried out.

1. That before paving or otherwise improving permanently the street all gas, water, sewer pipes be extended to the curb line so that the roadway proper may have time to become thoroughly settled: this work should include storm sewers extending to the natural water ways.

2. That the question of drainage in portions of the city is becoming a serious one, and that steps towards securing right of way for drainage purpose should be obtained before property becomes so improved as to make it either impossible or at least very expensive.

3. If possible that the rules for plumbing be revised and the ordinances under which they have effect be changed so

that all ambiguity is removed, and that offending parties can be reached in an effective manner.

In conclusion it may be well to mention that work has already been begun on making grades for all streets and sidewalks within a district which has been talked of for a paving district, also there is under consideration a plan for a storm sewer system which work will be regularly taken up as the weather and the regular duties of the department will permit.

The more detailed report as to sewers, plumbing, etc., will appear in the Plumbing Inspector's report.

Respectfully submitted,
GEO. F. KEY, City Engineer.

LIST OF DATA ADDED TO THE ENGINEERING DEPARTMENT.

STREET WORK.

- A—Maps or Plats.
 - 146 Plat of Vaughan add. (Tracings).
 - 147 Block 2 south, range 4 east (Tracings).
 - 150 Plan of 12th st. and Washington st. (Tracings).
 - 149 Around Felch Park.
- B—Books, etc.
 - Field books No. 37 and 38 sidewalk and street levels.
 - Road record (one book).
 - City Engineer's record (one book).
 - Engineering News, 3 Vol.
 - 33 Sidewalk grade resolutions.
 - 16 Street grade resolutions.

SEWER WORK.

- 148 Plan and profile for lowering Washtenaw branch of lateral sewer in Dist. No. 3.
- 151 Grade and profile for lowering Main sewer from William st. to Main st.
- 154 Drainage on Depot st. and data for private sewer of Mrs. O. B. Hall.
- Inspectors notes on Dist. No. 5 (one book).
- 3 man-hole keys.
- 1 long key for water gate.

PROFILES.

- 149 William and W Jefferson (street and sidewalk).
- 152 Washington and Twelfth st. (street) around Felch Park.
- 153 S. University, Walnut and Linden sts. (sidewalk).

TOOLS.

- Two tapes worn out.
- Two 4 ft. range, 1 stake hammer.

REPORT ON SEWERS AND PLUMBING FOR 1896.

To the Board of Public Works:

GENTLEMEN—On June 22d, 1896. I began a personal inspection of the Sewer system of this city with particular attention to the flush tanks, which at this time were all shut off, with a view to regulating the flow so as to keep the sewers in a sanitary condition without an unwarranted waste of water. This result has been accomplished in a manner as satisfactory as present devices permit and all necessary tanks are in operation.

During the year the city built sewers in what is known as Sewer District No. 5. For this work the contractor received \$8,458.98, as follows:

4,481 lin. ft. 10-in. sewer pipe at...\$.23	\$1,254.68
7,883 lin. ft. 8-in. sewer pipe at... .11	867.13
5,725 lin. ft. 4-in. sewer pipe at.... .06	343.50
19,037 lin. ft. excavation at..... .19	3,617.03
345 "Y" house branches at..... .30	103.50
10,188 lbs. iron pipe at..... .02	203.76
32 man holes at..... 25.00	800.00
14 flush tanks at 75.00	1,050.00
27 lamp holes at..... 8.00	216.00
Concrete and lumber.....	3.38
Total.....	\$8,458.98

In the entire city there have been laid to the curb line 2,380 house branches. Of these about 426 are in use, 198 permits having been issued during the current year.

An inspection of all plumbing work connected with the city sewers is being made and records kept showing as nearly as possible the condition of the plumbing in each house examined.

Where the plumbing seems to be defective the owner is notified and ordered to make necessary changes.

This city has spent over \$100,000 on her sewer system, yet not over 17 per cent of the buildings situated in several districts are now connected therewith. The greatest benefit from such a system can be obtained only by having all buildings situated on the line of sewer connected.

Some parts of the city, especially in the most thickly settled portions, are in an unsanitary condition and I suggest that steps be taken to compel compliance with the ordinance relative to sewers.

Yours,
E. W. GROVES.

INVENTORY.

1 stone crusher	5 poor wheelbarrows
18 yds of No 1 stone	16 sewer pans
42 yds of No 2 stone	1 stone roller
14 yds of No 3 stone	1 pair thills
1 road roller	3 grindstone
8 cross'g clean'g brooms	6 straight edges
1 house broom	2 4-horse eveners

1 large pump & suction	1 large tar kettle
100 lbs of nails	2 barrels of cement
2 adz	6 old pails
3 axes	1 large hook
250 ft of garden hose	3 large hoes
1 cant hook	1 wooden horse
3 nail hammers	1 sand screen
5 stone hammers	1 pitch dipper
2 squares	2 neck yokes
2 hand saws, cross cut	2 whiffletrees
1 rip saw	10 grade pins
1 large cross cut saw	4 large iron pins
1 one-man saw	1 box old iron
1 spirit level	2 old street lamps
9 lanterns with globes	4 wooden rollers
5 lanterns without globes	155 sewer jack screws
2 rakes	2 sewer wrenches
3 grade bars	2 tar brooms
2 long log chains	2 piles old iron
1 short chain	3 piles old lumber
7 pounders	1 8-in tile
12 lantern staffs	1 10-inch tile
1 large canvass	2 20-in tile
2 pick axes	60 ft of 5-in old tile
3 crow bars	56 ft of 6 in old tile
2 forks	1 24-in old tile
20 lbs machine grease	1 24-in "Y" tile
25 lbs of lead	2 20-in "Y" tile
5 oil cans	12 15-in "Y" tile
1 oiler	23 15-in old tile
1 5-gal kerosene can	16 ft of 7-in old tile
6 old shovels	17 old iron lamp posts
2 large S wrenches	1 platform for mixing cement
3 small S wrenches	
1 large drag	10 large flagstones
1 jockey wrench	21 small flagstones
1 cold chisel	3 mortar boxes
2 punches	1 old wagon
1 stillson wrench	3 old barrels
1 brace	3,690 ft oak lumber
3 bits	828 paving brick
1 broken stone hook	100 ft small rope
1 belt punch	504 ft 1-in rope
1 water glass	1 old wooden pump
2 water pails	14 snow plows
1 dipper	2 large tool boxes
5 plows	2 large levers
1 land side	10 6x8 16 feet long
24 plow points (old)	2 brush scythes
2 2-wheeled scrapers	1 auger
3 road scrapers	1 monkey wrench
10 pulley blocks	2 ladders
1 jack screw	2 lawn mowers
320 ft of 3/4-in pipe	1 heating stove and pipe
2 derricks	1 grub hoe
1 lead kettle	1 looking glass 3x8
200 feet of fire hose	1 scraper
(worthless)	1 tunnel spade
10 good wheelbarrows	

DANIEL J. ROSS,
Street Commissioner.

STREET CLEANING.

FROM JANUARY 1ST., 1896, TO JAN. 1st, 1897.

Month.	Hand Labor.	Team Labor.	Total.
January.....	\$ 21.30	\$ 12.55	\$ 33.85
February.....	35.25	7.68	42.93
March.....	15.12	2.10	17.22
April.....	261.65	242.11	503.78
May.....	312.25	253.70	565.95
June.....	339.06	253.68	592.74
July.....	151.18	148.25	299.43
August.....	216.71	122.45	339.16
September.....	57.85	44.75	102.60
October.....	25.95	35.10	61.05
November.....	125.65	128.55	254.20
December.....	53.07	97.45	150.52
Total.....			\$ 2963.23

MARCH 1, 1897.

STREET GRADING.

Location.	Ordered by Council.	When Completed.	Team.	Hand.	Total.
Sidewalk W. Washington.....	March 16, '96	April 25, '96	\$ 50.00	\$ 82.61	\$ 132.61
Tappan st.....	May 4, '96	May 8, '96	52.20	70.80	123.00
S. University Av. ordered by St. Committee.....	May 18, '96	May 18, '96	157.05	326.40	483.45
S. University Av. ordered by St. Committee.....	May 18, '96	June 26, '96	150.30	174.08	324.38
Felch near A. A. R. R. ordered by St. Committee.....	May 18, '96	June 5, '96	244.00	271.20	515.20
Geddes Av.....	May 18, '96	June 12, '96	59.45	109.13	168.58
Sidewalk Geddes Av.....	May 18, '96	July 2, '96	63.75	94.53	158.28
Felch Park.....	May 18, '96	July 31, '96	85.05	61.50	146.55
Michigan Av.....	May 18, '96	Aug. 8, '96	54.00	59.25	113.25
Walnut st.....	July 6, '96	Sept. 3, '96	116.10	111.75	227.85
Sidewalk Tappan st., filling on Prospect.....	July 6, '96	Oct. 3, '96	33.00	26.25	59.25
State st.....	July 6, '96	Sept. 7, '96	20.25	83.10	103.60
W. Summit st.....	May 4, '96	Oct. 15, '96	57.90	43.35	101.25
Miner st.....	May 4, '96	Oct. 7, '96	12.60	24.00	36.60
E. University Av.....	May 4, '96	Oct. 10, '96	42.00	30.00	72.00
Felch st. culvert.....	May 4, '96	Sept. 17, '96	61.95	29.70	91.65
Alley on Wash. st., 8th st., filling culvert on W. Wash. st.....		Sept. 22, '96	32.40	62.33	94.28
Gravel from Catholic church and filling Kingsley, State and Wash. Av.		Sept. 24, '96	28.20	37.80	66.00
N. Main st.....		Nov. 6, '96	28.65	8.70	37.35
Fuller st.....		Nov. 13, '96	42.00	23.55	65.55
First and Felch st.....					
Total.....					\$3169.18

Cut down lawn extension in front 22-26 Packard, ordered July 6, charged to general fund.
 Grading 8th st. July 20, charged to general fund.

COUNCIL PROCEEDINGS.

STREET WORK — MISCELLANEOUS.

Work.	Completed.	Hand.	Team.	Stone and pipe.	Total.
Cleaning S. Filth ave.....	Dec. 12th, 1896	\$ 12.45			\$ 12.45
Trimming trees.....	May and June	124.6	\$43.05		167.81
Weed cutting.....	June	34.90			
Weed cutting.....	July.....	80.40			
Weed cutting.....	August.....	84.05			
Weed cutting.....	September.....	14.25			213.60
Sewer on W Huron st.....	June 6, 1896....	46.75			46.75
Repairing sidewalks.....	May and June..	89.80			89.80
Paving gutter Washington street.....		11.25		\$4.00	15.25
Paving S. Main street.....	Nov. 16.....	9.15		2.00	11.15
Paving Fountain street.....	Dec. 16.....	3.75		2.00	5.75
Cleaning creek.....	Nov. 18.....				22.35
Tiling North Main street.....	Nov. 18.....				19.50
Erecti'g and taki'g down election booths.....					15.70
Snow plowing.....	December.....	44.70			
Snow plowing.....	February.....	39.45			
Snow plowing.....	March.....	21.00			105.15
Grading Washi'gt'n st. along Felch park.....					90.00
Total.....					\$815.26

WORK ORDERED BY COUNCIL.

- May 4th. To macadamize Division street (only that portion in connection with Detroit street done).
- May 18th. Water tank, Broadway near Canal (not done).
- May 18th. Tile drain Forest ave., cor. Israel ave. (charged to general fund).
- May 18th. Remove tree cor Liberty and Maynard (done May 19th).
- June 1st. To trim trees in Felch Park (charged to general fund).
- June 15th. To remove trees in front of A. P. Ferguson's, on Beakes street (charged to general fund).
- July 6th. Remove dirt from north drive to south drive of South University ave. (charged to general fund).
- July 6th. Repair gutters on South Division street (charged to general fund).
- July 20th. Fill old well on Maynard street (charged to general fund).
- July 20th. Repair Liberty st (charged to general fund).
- Aug. 4th. Water tank State, cor. North University ave. (not put in).

CROSSWALKS BUILT DURING THE YEAR.

BRICK.

Location.	Length.	Width.	Area, Yards.	Brick.		Curb.		Stone, Etc.	Sand.	Cement-- Cost.	Pitch.		Labor.		Total Cost.	Ordered.	Completed.
				Number.	Cost.	Length.	Cost.				Barrels.	Cost.	Hand.	Team.			
South side of Huron, across 4th av.....	48	9	432	1550	26.12	.....	.....	.....	.65	.60	1	5.75	6.00	1.00	40.42	.....	May 13, '96
West side of 4th av., across Washington.....	.....	.....	.....	1250	21.40	.....	.....	.....	.....	1.50	1	5.75	8.00	.....	36.69	April 20 '96	May 14
North side of Liberty, across Main.....	55	9	495	2283	39.95	110	11.90	.....	8.85	8.50	1	5.75	27.97	.....	88.80	April 20	May 19
North side Madison across Thompson.....	30	5	150	925	12.95	60	6.00	.....	22.05	.....	1/2	2.88	16.00	.....	59.88	May 4	July 22
East side E. Univ. av., across Willard.....	21	6	126	756	13.38	42	4.20	.....	.....	7.70	.....	2.88	.....	.....	39.01	.....	July 25
Two at corner Moore and Broadway.....	91	6	546	3272	32.70	182	18.20	1440	5.20	14.55	1 1/2	8.63	74.73	12.50	180.91	.....	July 27
South side of Liberty, across First.....	43	6	258	1550	24.80	86	9.80	85	.....	13.50	1/2	2.88	29.38	15.00	96.21	May 18	Aug. 1
Main and Huron (3 walks).....	161	2-11	.....	11246	158.20	322	31.70	33.60	.....	30.82	3 3/4	20.14	185.24	60.05	527.12	July 20	Aug. 15
North side Washington, across 4th av.....	42	10-4	434	2460	34.44	84	9.50	2.13	.....	7.50	1	5.75	52.20	21.75	133.30	August 4	Sept. 4
North side of Huron, across 4th av.....	48	17	816	3384	57.37	96	9.60	1.38	.....	11.70	1	5.75	56.40	11.00	153.20	August 4	Sept. 15
East side 4th av., across Huron.....	55	12	660	3504	46.25	110	11.90	2.10	.....	7.50	1	5.75	45.98	14.35	131.83	August 4	Sept. 19
Maynard and Liberty.....	35	5	175	1050	16.80	70	9.40	1.95	.....	6.10	1/2	2.88	16.50	7.10	60.73	.....	Sept. 21
State and S. University av.....	27	6	162	936	14.98	54	5.40	1.10	.....	2.50	1/2	2.88	16.50	5.00	48.34	August 4	Sept. 22
East side 5th av., across Packard.....	50	5	250	1500	21.00	100	10.00	.....	.....	4.50	3/4	3.50	15.00	8.00	62.00	August 4	Sept. 23
South side of Huron, across 5th av.....	48	12	576	3390	47.46	96	12.00	5.26	.....	12.60	1	5.75	55.35	31.00	169.42	Sept. 21	Sept. 24
State, across Williams.....	34	6 1/2	219	1326	18.56	68	6.80	.....	.....	9.75	1/2	2.88	21.15	3.75	65.89	.....	Sept. 30
South side Washington, across Ashley.....	34	5	170	1120	15.68	68	6.80	.....	.....	3.75	1/2	2.88	13.50	3.00	45.61	August 4	October 1
North side Washington, across Ashley.....	34 1/2	6	207	1240	17.36	69	6.90	.....	.....	4.00	1/2	2.88	12.75	3.00	45.89	August 4	October 2
South side Washington, across Thayer.....	31	5	155	930	13.30	62	4.80	1.40	.....	6.10	1/2	5.88	20.25	3.00	51.73	Sept. 21	October 3
South side of Williams, across State.....	34	6 1/2	219	1336	17.56	68	6.80	85	.....	3.75	1/2	2.88	23.40	8.00	63.24	.....	October 6
Packard, south side of Monroe.....	45	5	225	1350	17.90	90	9.50	85	3.25	3.75	1/2	2.88	15.75	6.25	74.98	August 4	October 8
Jefferson W., across 1st S.....	54	5	270	1620	22.68	104	10.80	.....	3.25	3.75	1/2	2.88	15.00	2.50	60.86	October 5	October 10
South side of Washington, across Main.....	50	11	550	3300	51.80	100	10.00	990	3.80	9.85	1	5.75	39.75	10.00	140.85	October 5	October 12
Fifth and Liberty (2 walks).....	66 1/2	6	363	2278	30.91	113	12.10	.....	5.20	7.50	1	5.75	15.75	3.75	80.96	October 5	October 16
Williams and 5th av. (2 walks).....	62 1/2	6	375	2250	32.49	115	13.60	5040	.....	8.25	1	5.75	16.39	3.63	130.51	October 5	October 17
West side of Main, across Williams.....	28	6	228	1008	14.11	56	5.70	1890	3.25	3.75	1/2	2.88	22.80	4.63	75.92	Sept. 7	October 20
State, across Liberty.....	35	6	210	1260	17.64	70	7.60	85	.....	4.00	1/2	2.88	16.20	3.38	52.55	Sept 7	October 22
Washtenaw av., across Forest.....	.....	.....	.....	1296	18.14	.....	9.60	1.40	3.90	2.50	1/2	2.88	16.35	3.38	58.15	October 5	October 23
Jefferson, across State.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Nov. 2	Not built
N. University, across State.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Nov. 2	Plank
One barrel of pitch stolen and burned on the Campus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.75	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2763.77	.....	.....

COUNCIL PROCEEDINGS.

CEMENT.

Location.	Ordered	Compl'd	Hand Labor	Cement	Sand	Total
Alley bet. Main and 4th ave.....		June 27	\$24.25	\$ 7 85	\$	\$ 32.10
Ashley and Liberty.....	May 18	June 17	32.55	35.50	3.25	68.05
Alley Washington bet. Main and Ashley.....		Aug. 15	14.43	11.75	2.60	28.78
N. University ave. across State.....		Sept. 9	3.88	7.05	1.40*	12.33
Forest ave. across Willard.....	Aug. 4	Not built				
Total.....						\$141.26

*Plank.

PLANK.

Location.	Ordered.	Completed.	Hand.	Team.	Lumber.	Nails.	Total.
Beakes and 4th ave.....		Sept 14	\$ 6.25	\$	\$ 9 60	\$.25	\$ 16.10
Depot and 4th ave.....		Sept 15	3.13		4 33	.15	7.61
Summit and 4th ave.....		Sept 15	3 12		4 33	.15	7.60
Summit and Detroit.....		Sept 16	6.25	1.50	9.75	.25	17.75
Third and Liberty.....	Aug 4	Sept 17	6.25	3 00	9.75	.25	19.25
Packard and Division.....	Aug 4	Sept 18	4.50	3.00	11.49	.30	19.29
Packard and Hill.....	June 15	Sept 19	4.50	3.00	15 00	.30	22.80
Hill and East University.....	Aug 4	Sept 21	4.50	3.00	10.60	.30	18.40
Ashley and Williams.....	Sept 7	Sept 22	4.50	3.00	9.32	.25	17.07
South University and East University aves	Aug 4	Sept 23	4.50	3.00	10.20	.30	18.00
South University and 12th.....	Aug 4	Sept 24	4.50		8.25	.20	13.25
Forest ave and Willard.....		Sept 25	4.50		6.97	.15	11.62
Ann and 13th.....	Sept 7	Sept 26	4.50		10.95	.30	15.75
Ann and 13th.....	Sept 7	Sept 28	4.50	3.00	7.37	.15	15.02
Main and Mosely.....		Sept 29	2.49	1.65	4.21	.15	8.50
Ashley and Madison.....		Oct 1	4.50	3.00	12.45	.30	20.25
Madison and 5th.....		Oct 2	4.50	3.00	8.47	.25	16.22
Madison and Ashley.....		Oct 3	4.50	3.00	13.05	.30	20.85
Hill and East University ave.....	Aug 4	Oct 5	3.30	3.30	9.75	.22	16.60
Monroe and East University ave.....		Oct 9	4.50	3.00	8.17	.25	15.92
Tappan and Oakland ave.....	Sept 21	Oct 10	4.50	3.00	14.00	.40	21.90
Prospect and East University ave.....		Oct 12	4.50	3.00	9.07	.25	16.82
Packard and East University ave.....		Oct 13	4.50	3.00	6 67	.20	14.37
State and Packard.....		Oct 14	4.50	3.00	9.97	.25	17.72
State and Packard.....		Oct 15	4.50	3.00	7.87	.25	15.62
Hill and 12th.....	Nov 2	Oct 16					
Repairing walk Hanover sq.....			4.50	3.00	9.75	.40	17.65
Hill and East University ave.....	Aug 4	Oct 17	4.50	3.00	10 50	.30	18.30
Packard and Hanover sq.....		Oct 19	4.50	3.00	9.75	.25	17.50
North and East University aves.....		Oct 20	4.50	3.00	10.97	.30	18.77
East University and Washtenaw aves.....	Nov 2	Oct 21	4.50	3.00	9.75	.25	17.50
Washington and Ingalls.....	Nov 2	Oct 22	4.50	3.00	9.75	.25	17.50
Thayer and Kingsley.....		Oct 23	4.50	3.00	9.75	.25	17.50
Catherine and 1st.....		Oct 24	4.50	3.00	6.25	.20	13.95
Ann and 13th, Moore and Traver.....	Sept 7	Oct 27	4.50	3.00	6.80	.20	14.50
Catherine and 13th.....		Nov 9	2 70		8.10	.20	11.00
Felch and Ashley.....		Nov 12	8.10		18.45	1.50	28.05
Across alley an Ashley, bet Williams and Liberty		Nov 17	2.70		4.27	.15	7.12
Ann and 14th.....		Nov 19	5.40		9.67	.25	15.32
State and North University av.....		Nov 23	7.43	5.40	5.73	.25	18.81
Madison and 5th.....		Nov 25	3.84		8.17	.20	12.21
Forest ave and Hill.....		Nov 26	3 98		9.75	.30	14.03
Chapin and Huron.....		Nov 27	4.05	2.70	9.75	.25	16.75
Huron and 1st.....	July 20	July 16	3.85		11.94	.25	16.04
Ann and Ashley.....	Aug 4	July 20	4.30		11.94	.25	16.49
Hill and State (2 walks).....	May 18	July 25	14.25		30.00	.75	45.00
Linden and South University ave.....		Sept 11	6.25		10.95	.60	17.80
Walnut and South University ave.....		Sept 12	6.25		10.95	.60	17.80
Total.....							\$683.87

Williams and 1st, ordered Oct 5, not built.

Division and Washington, ordered Nov. 2, not built.

Jefferson and 6th, July 10 repaired and charged to general fund.

Tappan and East University ave, ordered Aug. 4, not built.

Oakland ave, cor. Arbor, ordered June 1, not built.

State across S University ave, ordered July 20, not built.

East University ave across South University ave, repaired with tar August 4.

State in front of Students' Christian Association, repaired with tar.

BOX CULVERTS.

BOX CULVERTS CONSTRUCTED DURING THE YEAR.

Location.	Ordered.	Completed	Hand.	Team.	Lumber.	Nails.	Total.
Thayer and Washington.....		Oct. 7	\$ 3.00	\$3.30	\$15.75	\$.60	\$ 22.35
Washtenaw and S. University Av.....		Oct. 8	7.50	3 00	14.50	.75	25.75
Oxford and Geddes Av.....		Oct. 26	4.50	3.00*	6.75	.25	14.50
Liberty near Main.....		Nov. 16	2.70	90	4.50	.20	8.30
Fountain and Felch.....		Nov. 28	4.05	2.70	9.77†	.30	16.82
First near Liberty.....	May 4	June 15	12.55	10.75*	20.00	.....	43.30
State corner Liberty.....		July 13	9.25	7.0*	10.15	.....	26.40
Williams corner Ashley.....	July 20	July 17	6.78	8.00*	25.17	.50	50.45
Thayer corner Hill.....	May 18	July 21	11.15	8.00*	16.27	.20	35.62
Elm and S. Univ. Av.....		Sept. 10	3.58	3.00	9.37	.40	16.35
Total.....							\$249.84

*Iron. †Tile.

MISCELLANEOUS WORK.

BRIDGE CULVERT AND CROSSWALK.

	Ordered.	Completed.	Cost.
Repairing culvert corner Main and Liberty.....		April 28	\$ 3.25
Repairing culvert corner Main and Williams.....		April 29	3.25
Repairing gutter corner Hill and State.....	May 4	May 11	20.25
Repairing drain corner Kingsley and Division.....	May 4	May 12	4.50
Repairing gutter corner Main and Huron.....		May 30	39.45
Repairing extension corner Hill and Packard.....		May 23	4.36
Repairing gutters south side Ann.....	April 20	June 12	22.13
Paving alley Washington between Main and 4th Av. north side.....		June 20	90.96
Relaying gutters on Broadway.....	May 4	July 8	44.20
Replanking bridges Nos. 1 and 2.....	May 18	July 3	6.90
Paving on Ashley and Liberty.....	June 6	July 11	4.95
Paving on Ashley and Liberty.....		July 14	13.25
Paving alley Washington between Main and 4th Av. south side.....		July 15	19.00
Bridge No. 2 railing at ends.....		July 28	10.00
Filling culvert on Ashley street.....		Aug. 31	18.00
Repairing catch basin Ann and 13th.....		Nov. 18	4.35
Total.....			\$ 367.80

Repairing crosswalk corner Church and College July 20, Sept. 22, charged to general fund.

Placed stone flag in front of Sheehan's on State street Nov. 21st, done by private parties.

REPAIRS ON SEWER DISTRICT NO. 3.

	Team.	Hand.	Total.
February.....	\$ 2.40	\$	\$ 2.40
March.....	.50	6.75	7.25
April.....	2.50	3.00	5.50
April.....		26.65	26.65
Total.....			\$42.80

SIDEWALKS CONSTRUCTED BY ORDER

OF THE BOARD OF PUBLIC WORKS.

CHARGED AGAINST ADJOINING PROPERTY.

	Cost.
Mrs. Vaughan, board walk..... (Paid)	\$.95
Clay A. Greene, 5th Av. near Ann, board walk.....	11.50
White estate.....	1.66
Don M. Dickinson, trustee E. Uni-	

versity Av. near Washtenaw Av., plank walk, Thomas Hewitt contractor..... (Paid)	25.50
Mrs. Wright, S. State st. cement walk, Geo. Kimball contractor.... (Paid)	83.20
Mrs. P. L. Bodmer, e s Ashley st., plank walk, T. L. Hewitt contractor..... (Paid)	4.39
Clay Greene, 120 ft. plank walk w s 5th Av.....	18.96
Mrs. Rice, 1 2 ft. plank walk by side of 60 Division S.....	26.92
Gott estate, 254 ft. plank walk on Gott st.....	41.31
Mrs. Orr, 72 ft. plank walk in front of 29 E. Jefferson.....	11.12
Ed. Sumner, repairs on walk on Monroe st..... (Paid)	1.40
John Procknow, repairs on walk 1st corner Williams.....	1.50
E. A. Spence, repairs on walk 25 E. Jefferson.....	1.25
W. S. Perry, repairs on walk at 27 E. Jefferson.....	.90
Dr. John Kapp, repairs on walk on	

Packard st.....	1.30
Amount paid.....	115.44
Balance due.....	118.42
Total.....	\$233.86

These delays deprived us of some of the best weather for work and made it necessary to repair some work already constructed.

These various delays have no doubt increased the cost of this work not less than \$500.

The following statement shows in quite full details the locality and nature of the work done and the expense incurred. It is estimated that the cost of crushing the stone was 20 cents per cubic yard. The gravel taken from Detroit street was charged to other streets at bare cost of carting away and spreading.

On Fuller Street.

	CR.	DR.
215 1/2 hr. team labor at 30c per hr.....		\$ 645 45
1030 1/2 hr. hand labor at 1c per hr.....		154 58
10 cu. yd. paving stone at 60c per yd.; 30 yd. gravel at 10c per yd.		9 00
444 ft. coping stone at \$1.25 per rd.; 95 ft. coping stone at \$1.50 per rd.....		42 38
44 ft. of 10 in. pipe at 17c per ft..		7 48
2-10 in. elbows at 60c each; 2 grates at \$3.75 each; 2 y's at 74c each..		10 36
1 bbl. lime 70c; 1 sack cement 30c		1 00
To Julius Funke salary for superintendent.....		75 00
86 loads gravel from Detroit st. at 55c per load.....		47 30
25 loads gravel from Division st. at 30c per load.....		7 50
		<u>\$1000 05</u>

Ret. to crusher 104 loads stone at 80c per load.....	\$ 83 20
Sold building stone, 28 loads at \$1.00 per load.....	28 00
Sold building stone, 23 loads at 75c per load.....	17 25
Gravel furnished Ashley st., 69 loads at 3c per load.....	24 15
Gravel furnished Depot st., 10 loads at 30c per load.....	3 00
Gravel furnished Felch st., 992 loads at 25c per load.....	123 00
Ret. to yard, 75 ft. 5 in. drain tile at 3c per ft.....	2 25
	<u>\$ 280 85</u>

Total..... \$ 819 20

On Division Street.

Team labor 260 hrs at 30c per hr. furnished by Detroit st.....	\$ 78 00
Hand labor 648 1/2 hrs. at 15c per hr. furnished by Detroit st.....	97 28
Coping stone 12.12 rd. at \$1.50 per rd. furnished by Detroit st.....	18 18
12 in. pipe 44 ft at 22c per ft.....	9 68
2 elbows at 88c each; 2-12 Y at 96c each; 2 grates at \$3.75 each.....	11 18
152 ft. 4 in. drain tile at .026c per ft.....	3 95
10 loads paving stone at 8c per load.....	8 00
12 loads gravel at 10c per load; 1 sack cement 30c.....	1 50
2-12 in. Y's at 96c each; to superintendence \$25.00.....	26 92
Crushed stone furnished from Detroit st., 164 cu. yd. (crushing, 20c; hauling, 24c; cost, 60c), at \$1.94 per cu. yd.....	170 56
	<u>\$ 425 25</u>

Location.	Contractor.	Ordered.	Contract Price.	Amount Paid.
Drain Prospect street.....	Arthur Sweet & Bro	July 6	\$224.10	\$ 505.54*
Culverts Washington street	Koch Bros	July 6	565.00	778.35†
Paving gutters on Miller ave	Barney Morrison	July 20	245.00	316.86
Culverts on Ashley street.	Koch Bros	July 20	335.00	359.00‡
Culverts on Felch street.	Charles Tessmer	July 20	200.00	335.00
Painting Bridges 1, 2 and 3.	Dwyer & Hand	July 20	200.00	200.00
Plumbing in Fire Hall.....	Bertich & Hochreim	July 29	165.75	192.25||
Lowering sewer on Washenaw ave.	Schneider Bros	Aug 4	499.10	520.96§
Laying pipe for flush tanks, District No. 3.	Hutzel & Co	Aug 4	.....	157.59
Laying pipe for flush tanks, District No. 4.	Hutzel & Co	Aug 4	.....	52.70
Total.....			\$3,418.25	

WORK DONE BY CONTRACT UNDER THE SUPERVISION OF THE BOARD OF PUBLIC WORKS.

* Extra Tile used.
 † Ordered enlarged by council
 ‡ Extra work required.
 § Extra wash bowls furnished.
 ¶ Extra work required.

Detroit St. Improvement.

To the Board of Public Works:

GENTLEMEN:—I herewith submit for your consideration a detailed statement of cost of improvements made on Detroit street, and of such other work as was rendered necessary on account of the same on Fuller street and Division street, also work on Main street, Ashley street, Kingsley street, Catherine street, Fifth avenue, Depot street, Summit street, Felch street, Division street and several others.

There were several circumstances which hindered the work and which added to the expense account. Among these, was the delay caused by the street railway, another was the necessity of lowering nearly 400 feet of storm sewer another was having to wait for fine stone for choker.

Returned to crusher 7 loads stone at 80c per load.....	\$ 5 60	
Furnished 25 loads gravel to Fuller st. at 30c per load.....	7 50	
Furnished 3 loads gravel to Depot st. at 30c per load.....	90	
Furnished 161 loads gravel to Felch st. at 25c per load.....	40 25	
Furnished 17 loads gravel to Fifth ave. at 30c per load.....	5 10	
Furnished 69 loads gravel to Ashley st. at 30c per load.....	20 70	80 05
Total	\$ 345 20	

On N. Main Street.

757 loads gravel at 55c per load from Detroit st.....	\$ 416 35	
Cartage of pipe.....	30	
Total.....	\$ 416 65	

On Miller Avenue.

24 loads gravel at 40c per load from Detroit st.....	\$ 9 60	
Cleaning crossings.....	1 00	
Total.....	\$ 10 60	

On Wilmot Street.

63 loads gravel from Detroit st., at 55c per load.....	\$ 34 65	
--	----------	--

On Washtenaw Avenue.

20 loads gravel from Detroit st., at 55c per load.....	\$ 11 00	
--	----------	--

On Catherine Street.

96 loads gravel from Detroit st., at 45c per load.....	\$ 43 20	
Labor repairing drain.....	9 00	
Total.....	\$ 52 20	

On Kingsley Street.

92 loads gravel from Detroit st. at 35c per load.....	\$ 32 20	
Cartage of cinders.....	75	
Total.....	\$ 32 95	

On Fifth Avenue.

22 loads of gravel from Detroit st., at 35c per load.....	\$ 7 70	
17 loads of gravel from Division st., at 30c per load.....	5 10	
Fixing crossing.....	12 15	
Total.....	\$ 24 95	

On Ashley Street.

131 loads gravel from Detroit st., at 55c per load.....	\$ 72 05	
69 loads gravel from Fuller st., at 35c per load.....	24 15	
69 loads gravel from Division st., at 30c per load.....	20 70	
Total.....	\$ 116 90	

On Summit Street.

238 loads gravel from Detroit st., at 30c per load.....	\$ 71 40	
---	----------	--

On Depot Street.

58 loads gravel from Detroit st., at 30c per load.....	\$ 17 40	
10 loads gravel from Fuller st., at 30c per load.....	3 00	
3 loads gravel from Division st., at 30c per load.....	90	
Total.....	\$ 21 30	

On Felch St.

322 loads gravel from Detroit st., at 35c per load.....	\$ 112 70	
161 loads gravel from Division st., at 25c per load.....	40 25	
492 loads gravel from Fuller st., at 25c per load.....	123 00	
64 ft. 16 in. pipe at 30c per ft. from Detroit st.....	19 20	
20 ft. 18 in. pipe at 40c per ft. from Detroit st.....	8 00	
Cartage of pipe 2 hrs. at 30c per hr.....	60	
Total.....	\$ 303 75	

On Cedar Bend Ave.

Picking off stone, 9 hrs. at 15c per hr.....	\$ 1 35	
--	---------	--

On Two Triangular Parks.

Coping 18½ rods at \$1.25 per rod from Detroit st.....	\$ 22 66	
Hand Labor 222 hrs. at 15c per hr. from Detroit st.....	33 30	
Dirt filling, 180 loads at 25c per load from Detroit st.....	45 00	
52 ft. 3 in. tile at 5c per ft.....	2 60	
3-4 in curves at 16c each.....	48	
Making connection with water main.....	13 68	
Total.....	\$ 117 42	

General Sewer Fund.

4 grates at \$3.75 each.....	\$ 15 00	
Lowering 370 ft. of 18 in. sewer	60 00	
38 ft. 18 in sewer pipe at 42½c per ft.....	16 15	
Total.....	\$ 91 15	

On Washington Street.

165 loads gravel from Detroit st., at 55c per load.....	\$ 90 75	
---	----------	--

On Detroit Street.

Team labor 3587½ hrs. at 30c per hr.....	\$1076 20	
Hand labor 12981 hrs. at 15c per hr.....	1947 15	
Hand labor 460 hrs. at 25c per hr.....	115 00	
Hand labor 416 hrs. at 5c per hr.....	20 80	
Hauling 2333½ cu. yd. at 24c per cu. yd.....	560 00	
Crushing 2333½ cu. yds. at 20c per cu. yd. (estimated).....	466 67	
Pr ce paid for 2333½ cu. yds. at 60c per cu. yd.....	1400 00	

Paving stone, 252 cu. yds. at 60c per cu. yd. (estimated).....	151 20
Coping stone, 300 rds at \$1.25 per rd	375 00
4-12 in. elbows at 96c each; 4 grates at \$3.75 each; 198 ft. 4 in. drain tile at 2.6c per ft.....	22 99
53 loads gravel at 10c per load; 42 ft. 1 1/2 in. pipe at 22c per ft.....	14 54
1-15 in Y at \$1.41; 10 ft. 12 in. pipe at 22c; 14 in. elbow 16c; 18 ft. 18 in. pipe at 42 1/2 c.....	11 40
Labor performed on Division st. \$	175 28
Stone furnished on Division st..	197 74
Labor performed on Fuller st....	800 03
Stone furnished and gravel on Fuller st. from Detroit st.....	98 68
Dirt furnished Felch st.....	112 70
Pipe furnished Felch st.....	27 80
Dirt furnished Depot st.....	17 40
Labor performed on Cedar Bend ave	1 35
Gravel furnished Main st	416 65
Gravel and labor furnished Miller ave.	10 60
Gravel furnished Wilmot st.....	34 65
Gravel furnished Washtenaw av.	11 00
Gravel and labor furnished Catherine st.....	52 20
Gravel and labor furnished Kingsley st.....	32 95
Gravel and labor furnished Fifth ave	19 85
Gravel furnished Ashley st.....	72 05
Gravel furnished Summit st.....	71 40
Dirt and labor furnished Triangular Parks.....	78 30
Stone furnished Triangular Parks	22 66
Labor furnished A. A. St. R'y....	193 20
Labor furnished A. A. Water Co.	59 98
35 loads stone at 80c per load to crusher	28 00
20 cu. yds. at 60c per yds; 5 yd. at 75c, stone.....	17 55
Dirt furnished Glen V. Mills....	3 00
Paving driveways.....	23 25
Team labor furnished Geo. W. Weeks.....	5 70
Ret. to yard 1731 sq. ft. flag stone at 18c per sq. ft.....	311 58
Ret. to yard 380 lineal ft. crossing	

stone at 25c per ft.....	95 00
Ret. to yard 1400 paving brick at \$14.00 per m.....	19 60
Ret. to yard 1-12 in. elbow, 88c; 1-9 in. curve, 51c; 10 ft. 16 in. pipe at 30c per ft.; 1-18 in. Y at \$1.71; 4 ft. 12 in. pipe at 22c per ft.....	6 97
Ret. to yard 80 ft. 16 in. pipe at 30c per ft.; 20 ft. 18 in. pipe at 40c per ft.....	32 00
141 ft. coping re-used at \$1.25 per rd	10 68
331 minutes at 80 gal. per minute equals 26480 gal. at 10c per 1000 gal.....	2 65
Labor performed on Thirteenth st	5 65
Labor performed cleaning streets and bridges.....	20 85
Labor performed Hay & Todd scales.....	15 00
Blacksmithing, A. R. Schmidt \$2.10; J. Donegan, \$6.30.	64 40
165 loads gravel furnished Washington st. at 55c per load.....	90 75
Labor and material furnished General Sewer Fund	91 15
Totals.....	\$3283 20 \$6732 00
	\$3283 20
Cost on Detroit st.....	\$2948 80
Amount added by report of John Koch.	2092 12
Total.....	\$5041 92

On account of springy ground 122 feet of drain tile was required and then heavy rains made it necessary to increase this amount to 198 feet. Soft spots in the street made it necessary to make extra excavation and use extra amount of stone. Delay on account of coping was another annoyance

GEO. F. KEY,
City Eng.

Ald. Cady moved that the report be received and ordered printed in the Official Proceedings.
Adopted.