

Council Chamber, Ann Arbor, Mich.,
Feb. 17, 1919. Regular session.

Meeting called to order by the President. Present: Ald. Sugden, Heusel, Huss, Mayer, Henderson, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, Pres. Reichert, 12. Absent: Ald. Prochnow, Hauser, Sink, 3. Minutes of previous meeting approved.

Communications.

From the Mayor—

Feb. 17, 1919.

To the Honorable, Common Council: Gentlemen—On the main streets of our city, in which lay the road bed of the Detroit, Jackson & Chicago Railway, an evil has existed for a long time, which I feel, if now corrected, will be of mutual benefit to the Detroit, Jackson & Chicago Railway, as also to our city. What I am referring to, is the condition of the railway company's rails, the ties (or foundations), and also the temporary repairs which are continually being made, and which, of course, keep our pavement torn up and thereby inconveniences both traffic and business. The D., J. & C. Railway has, without doubt, been unable to secure, during the period of the war, the necessary material or the permission to rebuild this portion of its road bed, and while your honorable body has been aware of both the condition of the road bed and also the inability of the traction company to improve conditions, you have been considerate and patiently awaited an opportune time to request a correction of this condition. Inasmuch as the restrictions on materials and work of this nature, have now been withdrawn, and as this work of rebuilding can not be accomplished within a few days, I would request that your honorable body at the earliest time possible, have the D., J. & C. Railway replace its tracks with suitable size rails, tie, ballast, etc., which will withstand the future and present heavy traffic which is now passing over the road.

In view of the fact that the city intends to complete the pavement of West Huron street and Jackson avenue to the city limits, I would respectfully request your honorable body to so notify the Detroit, Jackson & Chicago Railway, so that said company will be prepared to take care of its portion of said paving.

Respectfully submitted, Ernst M. Wurster, Mayor.

Referred to Street and Railway committees.

State of Michigan, Executive Office,
Lansing, Mich., Feb. 6, 1919.

My Dear Sir—I am enclosing herewith, amendments to your city charter, which have this day been approved by Governor Sleeper.

Very truly yours, Rolph Duff, Secretary.

Mr. Isaac G. Reynolds, City Clerk, Ann Arbor, Mich.

Ordered entered in minutes.

Enter Ald. Prochnow.

Communication from F. G. Barnard, relative contesting the application of the Michigan State Telephone Company for an increase in rates, received and referred to Mayor, Prest. Council, City Attorney and Ald. Sink.
Feb. 17, 1919.

To the Honorable Common Council. Gentlemen—Mr. Charles E. Bowling, who resides outside of this city, along the Steere Farm pipe line, wishes a house connection made from pipe line to his property. The ordinance as it now stands prohibits his request, without your approval. We therefore ask your permission to make such tap, as well as others along this line.

Very respectfully, Wirt Cornwell, Geo. J. Mann, John Lindenschmitt, Water Commissioners.

Moved by Ald. Lutz, that request of Water Commissioners be granted.

Adopted by the following vote: Yeas, Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, Pres. Reichert, 13. Nays, none.

Petition.

Petition of L. E. Wenzel for sanitary sewer on Berkshire road and Orchard st., received and referred to Sewer committee.

Pavement Petitions.

The following petition was presented Feb. 3, 1919, and referred to City Engineer:

N. Fourth Ave., Detroit St., and Catherine St. Pavement Petition.

To the Honorable, the Common Council: Gentlemen—We, the undersigned property owners on North Fourth avenue, between Ann street and Kingsley street, and on Detroit st., between Ann and Catherine sts., and on Catherine street, between Main street and Fifth avenue, respectfully petition your honorable body to cause said North Fourth ave., Detroit st. and Catherine st., to be graded and paved within the limits aforesaid. This pe-

tion is signed with the understanding that the city will pay 20 percent of the cost of such pavement:

The following pavement petitions were received and referred to City Engineer:

Names of Property Owner.	Number of feet owned.
Ernst M. Wurster	66 ft.
Wm. Lindemann	24 ft.
Horace G. Prettyman (White Swan Laundry)	132 ft., 4th ave.
.....	40 ft., Catherine st.
Ann Arbor Dairy Co., by J. Wurster	66 ft., 4th ave.
.....	264 ft., Catherine st.
J. F. Martin	66 ft.
C. W. Cornwell	20 ft.
Sam. Green	44 ft.
Sam M. Braun	66 ft.
Wesley J. Parker, by E. M. Wurster	66 ft.
Abe Levy	124 ft., Catherine st.
.....	66 ft., 4th ave.
Sam. L. Benham	66 ft.
John Kraft	33 ft.
William L. Ewen	33 ft.
John Miller, by E. M. Wurster as authorized	33 ft.
John Groff	62 ft.
G. H. St. Clair, per M. St. Clair	66 ft.
E. L. MacLachlan	66 ft.
C. E. Godfrey	66 ft.
Harriet L. Godfrey	66 ft.
John T. Byron	66 ft.
Junius E. Beal	66 ft.

Broadway Pavement Petition.

To the Honorable, the Common Council: Gentlemen—We, the undersigned property owners on Broadway, between the bridge over the Michigan Central Railroad and the northerly line of the intersection of Broadway and Swift st., respectfully petition your honorable body to cause said Broadway street, within the limits aforesaid, to be graded and paved. This petition is signed with the understanding that the city of Ann Arbor will pay 20 percent of the cost of such pavement and street inter-

Name of Property owner.	Number of feet owned.
The Detroit Edison Co., A. C. Marshall, Vice Pres.	176.5 ft.
Huron Farms Co., A. C. Marshall, Vice Pres	220.0 ft.
Washtenaw Gas. Co., by H. W. Douglas, Treas.	93 ft.

S. University Ave. Pavement Petition.

To the Honorable, the Common Council: Gentlemen—We, the undersigned property owners on South University ave., between State street and Washtenaw ave., respectfully petition your honorable body to cause South University ave., within the limits aforesaid, to be graded and paved. This petition is signed with the understanding that the city will pay twenty

percent of the cost of such pavement:

Name of property owner.	Number of feet owned.
Josephine D. Peterson	165 ft.
Julian R. Trojanowski	132 ft.
I. C. Schleede	34.5 ft.
John MacGregor	144 ft.
Cousins & Hall	198 ft.
Luther Sugden	21 ft.
Mary C. Clark	66 ft.
Mrs. E. A. Hurlburt	33 ft.
Mrs. E. B. Gibson	73 ft.
Mrs. E. F. Lowry	84.5 ft.
Thos. W. Forster	112 ft.
Emma Bunting, per R. W. Bunting	45 ft.
Hudson T. Morton	231 ft.
Frances E. Goddard	90 ft.
Katharine Tremper	33 ft.
Alethia P. Keatley	50 ft.
Nora E. Chatterton	45 ft.
E. E. Calkins	90 ft.
Church of Christ, by Louis Hopkins, Trustee	82.5 ft.
Psi Upsilon Guild, by E. R. Waldron, Secy.	93 ft.

E. University Ave. Pavement Petition.

To the Honorable, the Common Council: Gentlemen—We, the undersigned property owners on East University ave., between North University ave. and South University ave., respectfully petition your honorable body to cause East University ave., within the limits aforesaid, to be

graded and paved. This petition is signed with the understanding that the city will pay twenty percent of the cost of such pavement:

Name of property owner.	Number of feet owned.
A. A. Schryver	112.3 ft.
Mrs. Julia Proctor and Mrs. Agness Frits	33 ft.
Mrs. Lottie Williams	51 ft.
Mrs. Minnie Allman	44 ft.
Mr. and Mrs. Carl H. Smith	44 ft.
Mr. and Mrs. Wellington H. Tinker	48 ft.
Mr. and Mrs. W. D. Rock	33 ft.
F. N. Scott	66 ft.
Dana S. McComb	66 ft.
Mrs. T. J. Keech	132 ft.
Laura Nicholson	66 ft.
John MacGregor	80 ft.

Andrew Naso requested that pool table license issued to E. Lewis be transferred to him, as he had purchased the business, and on motion of Ald. Lutz, the matter was referred to License committee and City Attorney.

Committees Reports.

Finance Report.

Fire Fund

Chas. Andrews, salary	\$ 66.66
Eugene Williams, salary	56.38
Ralph Edwards, salary	56.38
Henry McLaren, salary	53.48
Jacob Gwinner, salary	53.48
Harley Wise, salary	51.23
Martin Noll, salary	51.23
Frank Markey, salary	51.23
Herman Kruse, salary	51.23
Emil Dammin, salary	51.23
Mat. Heininger, salary	51.23
Benj. Zahn, salary	51.23
Raymond Gillespie, salary	51.23
Floyd Naylor, salary	47.55
Earl Arnold, salary	47.55
Claud Cobb, salary	47.55
Fred Nordman, salary	47.55
Chas. Carroll, salary	33.69
Frank Kapp, salary	33.69
Henry Nevroth, salary	47.55

Fire fund total salaries, half month.
February\$1,001.35

Police Fund.

Thos. O'Brien, salary	\$ 66.66
Wm. April, salary	51.23
Gustave Meyer, salary	51.23
Ed. Blumhardt, salary	51.23
Emanuel Sodt, salary	51.23
Marlend Howard, salary	51.23
Robert Clark, salary	51.23
Henry Harden, salary	51.23
Fred Sodt, salary	51.23
Chas. Splitt, salary	47.55
Joseph Gast, salary	47.55
Frank Marz, salary	47.55

Police fund total salaries, half month.
February\$619.15

M. C. Ryan, salary, half month.....\$ 51.23

Water Works.
Harry Willsher, salary\$ 45.00

Leslie Bush, salary	45.00
Robert Rowe, salary	42.50
Harry Warren, salary	37.50
Henry Linde, salary	45.00
John Volland, salary	37.50
John Schwikart, salary	37.50
A. E. Hawkes, salary	42.50
Cliff Shetterly, salary	50.00
Louise Malloy, salary	42.50
Russell Pryce, salary	32.50

Total semi-monthly salaries	\$157.50
Crane Co., supplies	\$ 9.04
Henry S. Platt, supplies	10.40
Pelican Carbon Co., supplies	3.50
Jno. C. Fischer Co., supplies	1.65
Simplex Valve & Meter Co., supplies	7.02
George Wahr, supplies	1.85
Walter Keedle, supplies	16.74
The Richmond & Backus Co., supplies	16.58
The Goodsell Packing Co., supplies	5.40
Burroughs Adding Machine Co., supplies	5.19
City of Ann Arbor, services	290.13
E. G. Mann, insurance	27.94
Cole & Huss, insurance	27.94
Wm. H. Murray, insurance	27.94
Fred T. McOmber, insurance	439.08
John R. Miner, auditing and insurance	118.67
Water Works Dept., expenses	2.66

Total supplies, etc.	\$1,011.73
F. Rhodenbecker, labor	\$ 10.85
A. Molkentine, labor	9.30

Total labor\$ 20.15

Water Works fund total including salaries\$1,489.38

Special Water Works Fund.

Baker & Stewart, contract	\$1,195.37
C. J. Snyder & Sons, cartage	80.00
Kerr Machinery Cor., supplies	788.90
Ann Arbor Railroad Co., freight	48.02
U. S. Cast Iron Pipe & Foundry Co., supplies	942.30
Muehlig & Schmid, supplies	2.92
A. R. Cole Co., contract	971.21
Water Works Dept., expenses (pump test)	84.05

Special Water Works fund total.....\$4,112.77

Contingent Fund.

Engineer Dept.

G. W. Francis, services	\$ 9.28
W. B. Russell, services	36.00
Adam Schlecht, services	.84
Martin Walsh, services	10.33
E. R. Weeber, services	33.78
H. Marian Woodward, services	33.60

Total Engineer Dept.\$123.83

The Detroit Edison Co., city hall and clock	\$ 34.82
Washtenaw Gas Co., city hall	4.44
H. J. Abbott, P. M., postage	21.50
Emily Zeeb, services	12.00
Wm. A. Peery, services	60.00
Standard Oil Co., coupon books	30.00
Dean & Co., Ltd., supplies	1.25
Eberbach & Son Co., supplies	9.80
Jno. C. Fischer Co., supplies	10.34
The Goodyear Drug Co., supplies	6.00
C. H. Kittredge, supplies	5.60
The Mayer-Schairer Co., supplies	2.75

Wm. H. L. Rohde, supplies	1.40
Swisher Grocer Co., supplies	11.00
Geo. Wahr, supplies	15.65
Davis & Ohlinger, printing	2.25
Chas. F. Meyers Print Shop, printing	14.00
City Garage, taxi for committee	2.00
W. L. Henderson, use of horse and wagon	6.00
Ed. Easterly, labor	2.00
Fred V. Smith, labor	4.00
Burroughs Adding Machine Co., at- tending to adding machine	1.00
A. C. Marquardt Garage, repairs, etc.,	13.09
Smith Tire Repair Co., auto repairs	2.65
Henry S. Platt, auto repairs.....	53.36

Total supplies, etc.,\$326.90

Contingent fund total including
salary\$501.96

Police Fund.

H. J. Abbott, postage\$ 10.70

Police fund total, including sal-
aries\$629.85

Street Lighting Fund.

The Detroit Edison Co., light\$1,698.16

Street Fund.

Saan Kalmbach, labor	\$ 5.11
Matt. Koch, labor	1.20
James Mason, labor	43.20
W. H. Romig, labor	14.00
Adam Schlecht, labor	19.17
Martin Walsh, labor	27.13
John Wendland, labor	20.63
Geo. Ziefle, labor	12.75
W. J. Grayer, team	3.89
Fred G. Hanselman, team	84.00
Jon E. Herrst, team	61.44
Carl Rehberg, team	14.00

Total labor\$306.52

J. I. Holcomb Mfg. Co., supplies....\$ 36.00

W. L. Henderson, use of horse and
wagon 12.50

The Ann Arbor R. R. Co., freight.... .60

A. J. Paul, freight paid62

Total supplies, etc.,\$ 49.72

Street fund total\$356.24

RECAPITULATION.

Contingent fund	\$ 501.96
Fire	1,061.35
Police	629.85
Water Works	1,489.38
Special Water Works	4,112.77
Street Lighting	1,698.16
Street	356.24

Total city funds\$9,789.71

Ann Arbor, Mich., Feb. 17, 1919.

To the Finance Committee of the Com-
mon Council: Gentlemen—I have exam-
ined the foregoing accounts against the
city of Ann Arbor, and I hereby certify
that they are correct to the best of my
knowledge.

ISAAC G. REYNOLDS,
City Clerk.

To the Honorable, the Common Council:
Gentlemen:—Your Finance committee has
reviewed the foregoing report. Warrants
for salaries were drawn Feb. 15, 1919. We
recommend that same be approved and
that warrants be ordered drawn for the
foregoing accounts.

GEO. LUTZ, JOHN MAC GREGOR, O. R.
MAYER, Finance Committee.

Ald. Lutz moved the adoption of re-
port, which was adopted by the fol-
lowing vote: Yeas, Ald. Sugden,
Heusel, Huss, Mayer, Henderson,
Prochnow, Markey, Donnelly, Spat-
helf, Freeman, MacGregor, Lutz, Pres.
Reichert, 13. Nays, none.

Finance Committee Report.

To the Honorable, the Common
Council: Gentlemen—Your finance
committee, to whom was referred the
request of the Public Health Nursing
association, formerly known as the
University Hospital Circle of The
King's Daughters, respectfully rec-
ommend that the request for an ap-
propriation of \$200.00 toward the sup-
port of visiting nurse be granted, and
that the City Clerk be instructed to
draw warrant for said amount in fa-
vor of said association.

We further recommend that the
City Clerk be instructed to draw war-
rant in favor of Mary Sumner for
\$3.83, being one-half the cost of drive-
way between Nos. 1215 and 1223 Hill
st., as she owns only one-half of drive-
way, and has paid the full assessment
to the City Treasurer.

We further recommend that City
Clerk be instructed to draw warrant
in favor of James F. Breakey, for
\$1.25, from Dog License fund, having
paid license twice on same dog.

Respectfully submitted, Geo. Lutz,
John MacGregor, O. R. Mayer,
Finance Committee.

Ald. Lutz moved adoption of report,
which was adopted by the following
vote: Yeas, Ald. Sugden, Heusel,
Huss, Mayer, Henderson, Prochnow,
Markey, Donnelly, Spathelf, Freeman,
MacGregor, Lutz, Pres. Reichert, 13.
Nays, none.

Ordinance Comm'ttee.

Ald. Freeman presented an ordi-
nance entitled, "An ordinance to pre-
vent obstruction of any street or pub-
lic thoroughfare within the city of
Ann Arbor, to provide for the removal
of all obstructions within said street
or public thoroughfare," which was
given its first reading by title, passed
to and given its second reading, and
referred to Ordinance committee by
the following vote: Yeas, Ald. Sug-
den, Heusel, Huss, Mayer, Henderson,
Prochnow, Markey, Donnelly, Spat-
helf, Freeman, MacGregor, Lutz, Pres.
Reichert, 13. Nays, none.

Sewer Committee Report.

To the Honorable, the Common
Council: Gentlemen—Your Sewer

committee has had the following matters under consideration, and respectfully recommend:

1. That sanitary sewer be constructed on Jackson ave., from Huron st. to the city limits:

2. That the City Engineer be instructed to prepare plans, specifications and estimate of cost for construction of above named sanitary sewer; also for storm water sewer on Jackson ave., from Huron st. to the city limits.

Respectfully submitted, O. R. Mayer, M. B. Sudgen, J. W. Markey, Wm. L. Henderson, C. C. Freeman, Geo. Lutz, Sewer Committee.

Ald. Mayer proved the adoption of report, which was adopted by the following vote: Yeas, Ald. Sudgen, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, Pres. Reichert, 13. Nays, none.

By Ald. Mayer: Resolved, that the construction of the sanitary sewer and storm water sewer hereinafter mentioned is deemed and declared to be a necessary public improvement, and the construction of the same is hereby ordered, that is to say: Sanitary and storm water sewers on Jackson ave., from Huron st. to the city limits.

Resolved, further, that the City Engineer cause all needful surveys, maps, measurements and estimates to be made, and report to Council with all convenient dispatch.

Adopted by the following vote: Yeas, Ald. Sudgen, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, Pres. Reichert, 13. Nays, none.

Lighting Committee.

To the Honorable, the Common Council: Gentlemen—Your Lighting committee respectfully recommends that the Detroit Edison Company be instructed to install a new post for light at the corner of Main and William streets.

Respectfully submitted, John MacGregor, J. W. Markey, M. B. Sudgen, Lighting Committee.

Ald. MacGregor moved the adoption of the report, which was adopted by the following vote:

Yeas—Ald. Suglen, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, President Reichert, 13. Nays, none.

Special Committee Report.

To the Honorable, the Common

Council: Gentlemen—Your committee, to whom was referred, with power to act, the matter of repairs to the Sixth ward polling place, respectfully report that proposals were advertised for and received February 8, 1919, as follows:

L. F. Zells, \$394.00; Walter Keadle, \$478.95; Thos. Hanselmann, \$528.73. Mr. L. F. Zells, being the lowest bidder, was awarded the contract.

Respectfully submitted, C. C. Freeman, John MacGregor, Committee. Ordered entered in minutes.

Officers' Reports.

TREASURER'S REPORT.

Month Ending January 31st, 1919.

CITY FUNDS—Receipts—	
Contingent—Rebate on sidewalk, \$25.74; milk license, \$3.00; city scales, \$38.30; theater, \$123.00; billiards, \$116.50; dray, 50c; bowling alley, \$39.50; rent Ward building, \$30.00; interest on bank balance, \$284.18; fees on tax col., \$683.12	\$ 1,343.84
Dog license—licenses sold by Clerk	5.25
Police—From O'Brien, city fees, \$94.20; Doty, fines, \$627.00	721.20
Street—Auto tax, \$12,969.53; cut-weeds, \$2.70; repairs, \$5.75; sale of lumber, \$10.00; cement, \$4.50; paving blocks, \$4.50	12,996.98
Park—Rent	10.00
Sidewalk Building—walks built by city	226.93
Waterworks—From Dept. manager	19,504.82
Uncollected Tax—tax collection	4,470.27
Delinquent Tax—From County Treasurer	688.90
Special Water Works—Pipe sold, \$64.00; interest, \$121.80	185.80
State Tax—Collection	9,579.15
County Tax—Collection	19,796.90
School Tax—Collection	30,014.66
Totals	\$ 99,544.70
On hand January 1st, 1919	340,491.27
Total	\$440,035.97
Warrants paid	210,908.00
On hand February 1st., 1919	\$229,127.97
Disbursements—	
Contingent	\$ 7,085.85
City Cemetery	72.25
Dog license	1.50
Fire department	2,116.14
Poor	96.03
Police	1,272.99
Street	907.27
Water	5,578.92
Park	166.96
Street light	1,681.10
Waterworks	7,638.75
Special Water Works	9,290.24
State tax	40,000.00
County tax	60,000.00
School tax	75,000.00
Total	\$210,908.00

On Hand—	
Contingent	\$16,877.31
City cemetery	783.65
Dog license	679.71
State Dog tax	100.00
Fire department	7,205.39
Poor	884.68
Police	9,265.24
Water	548.53
Park	1,010.56
Street light	5,367.89
Bridge, culvert and crosswalk....	626.17
Waterworks	2,020.12
Broadway bridge	67.50
Steere farm	1,309.96
Rejected tax	226.74
Special Water Works	67,633.21
St. equipment and barn	1,039.20
State tax	11,421.29
County tax	46,270.65
School tax	66,120.02

Total \$239,457.82
Overdrawn 10,329.85

On hand February 1st, 1919.....	\$229,127.97
Overdrawn—	
Street	\$ 3,327.95
Sidewalk building	746.56
Uncollected tax	2,152.38
Delinquent tax	3,759.20
Edward street grading	343.76

Total \$ 10,329.85

Warrants Outstanding—	
Contingent	\$ 18.90
Street	95.43
Park	48.00
Waterworks	26.75
Special Water Works	3,817.49

SEWER FUNDS—Receipts—

Tax Account—	
District No. 55	\$ 22.14
District No. 56	17.25
District No. 59	11.78
District No. 60	36.85
District No. 61	104.04
District No. 62	6.46
District No. 64	8.94
District No. 68	13.59
District No. 72	267.67
District No. 73	17.59
District No. 74	13.10
District No. 77	17.90
District No. 86	161.24
District No. 87	29.03

Total \$ 727.58
On hand January 1st, 1919..... 1,792.19

Total \$ 2,519.77
Warrants paid 694.18

On hand February 1st., 1919 \$ 1,825.59

Disbursements—Labor Account—	
District No. 72	\$ 682.93
Tax Account—	
District No. 72	11.25

Total \$ 694.18

On Hand—Labor Account—

District No. 68	\$ 477.27
District No. 69	107.98
District No. 71	70.29
District No. 72	3,191.76
District No. 75	94.98
District No. 76	140.91

District No. 77	102.49
District No. 78	27.51
District No. 80	217.29
District No. 82	538.33
District No. 86	217.86
District No. 87	83.20

Tax Account—

District No. 54	289.46
District No. 55	715.58
District No. 57	237.08
District No. 58	264.11
District No. 59	215.65
District No. 62	195.83
District No. 66	441.52
District No. 71	4.40
District No. 73	209.82
District No. 74	36.07
District No. 75	1.32
District No. 78	128.13
District No. 79	91.64
District No. 80	29.96
District No. 82	1,027.36
District No. 83	48.39
District No. 84	372.19
District No. 85	382.52
District No. 86	161.24
District No. 87	29.03

Total \$10,151.17
Overdrawn 8,325.58

On hand February 1st, 1919 1,825.59

Overdrawn—Labor Account—

District No. 70	\$ 165.74
District No. 73	156.75
District No. 74	28.83
District No. 79	27.21
District No. 81	37.60
District No. 83	327.85
District No. 85	223.75

Tax Account—

District No. 51	325.39
District No. 52	50.85
District No. 53	944.00
District No. 56	959.78
District No. 60	49.58
District No. 61	802.67
District No. 63	1,292.32
District No. 64	160.64
District No. 65	76.80
District No. 67	139.91
District No. 68	460.85
District No. 69	27.11
District No. 70	108.22
District No. 72	1,576.12
District No. 76	221.40
District No. 77	158.39
District No. 81	3.82

Total \$ 8,325.58

Overdrawn—Tax Account—

District No. 72 \$ 195.52

Total \$ 195.52

PAVING FUND—Receipts—

Tax Account—

District No. 12	\$ 18.41
District No. 15	17.59
District No. 16	80.79
District No. 17	21.04
District No. 18	33.16
District No. 20	41.00
District No. 21	30.27
District No. 23	3.43
District No. 24	9.20
District No. 25	25.92
District No. 26	1.70

District No. 29	82.40
District No. 30	28.93
District No. 32	25.43
District No. 33	19.39
District No. 34	37.63
District No. 36	80.19
District No. 37	360.89

Total \$ 917.37
 On hand January 1st, 1919 6,445.42

On hand February 1st, 1919 \$ 7,362.79
 On Hand—Labor Account—

District No. 20	\$ 254.34
District No. 32	243.61
District No. 36	1,854.01
District No. 37	834.77

Tax Account—	
District No. 11	789.70
District No. 13	116.24
District No. 17	11.90
District No. 19	150.53
District No. 22	300.76
District No. 23	1,036.06
District No. 24	49.95
District No. 28	1,714.93
District No. 29	587.73
District No. 32	156.61
District No. 33	253.13
District No. 34	2,737.46
District No. 36	2,249.23
District No. 37	360.89

Total \$13,701.85
 Overdrawn 6,339.06

On hand February 1st, 1919 \$ 7,362.79
 Overdrawn—Labor Account—

District No. 30	\$ 265.89
District No. 31	126.15
District No. 35	267.24

Tax Account—	
District No. 10	2,250.88
District No. 12	208.55
District No. 14	296.63
District No. 15	349.52
District No. 16	600.08
District No. 18	165.95

District No. 20	525.32
District No. 21	487.45
District No. 25	245.40
District No. 26	41.19
District No. 27	178.40
District No. 30	229.30
District No. 35	101.11

Total \$ 6,339.06
 Farmers and Mechanics Bank, Ann Arbor, Michigan, February 1st, 1919.

To the Honorable, the City Council, Ann Arbor, Michigan—This is to certify that Ross Granger, Treasurer of the City of Ann Arbor, had on deposit in the Farmers & Mechanics Bank at the close of business January 31st, 1919, the sum of \$162,877.78.
 Signed: FRED T. STOWE, Cashier.

The Ann Arbor Savings Bank, Ann Arbor, Michigan, February 1st, 1919.

To the Honorable Common Council of the City of Ann Arbor: Gentlemen—This is to certify that there was on deposit in The Ann Arbor Savings Bank to the credit of the City of Ann Arbor, Special Water Works Fund, Ross Granger, City Treasurer, the sum of Sixty Seven Thousand Six Hundred Thirty Three and 21-100 (\$67,633.21) Dollars at the close of business January 31st, 1919.

WILLIAM L. WALZ, Cashier.

Recapitulation.

City Funds on hand	\$105,316.01
Sewer Funds on hand	1,825.59
Pavement Funds on hand	7,362.79
State Fund on hand	11,421.29
County Fund on hand	46,270.65
School Fund on hand	66,120.02

Total	\$238,316.35
F. & M. Bank balance	\$162,877.78
A. A. S. Bank balance	67,633.21
Cash on hand	7,805.36

Total \$238,316.35

ROSS GRANGER,
 City Treasurer.

City Engineer's Report.

February 1, 1919.

To the Board of Public Works, Ann Arbor, Michigan: Dear Sirs—I submit herewith the following report of expenditures for work done under my direction, during the month of January.

Name—	Amount.	Chargeable to—	Amt.
Engineering and clerical—			
G. H. Sandenburgh	\$158.49	1. Accounts	\$ 1.23
F. Leslie Feiner	110.77	2. Records	217.94
Julius Loehrke	13.06	3. Correspondents	15.40
H. M. Woodward	72.45	4. Report, monthly and annual	55.27
W. B. Russell	77.25	5. Committee meetings	3.27
G. W. Francis	18.20	8. Information to public	40.15
E. R. Weeber	14.00	9. Information from others	7.76
A. Dahlberg	10.33	12. Cleaning and arranging Engineer's office	.62
		13. Cleaning and arranging City yards and shed	2.42
		24. Street lines and grades	1.19
		25. Preliminary estimates	40.41
		59. Sickness (F. L. Feiner)	4.95
		60. Automobile	3.93
		66. Directing work of Dept.	34.31
		*92. Work for Street Dept.	6.77
		137. Storm sewer survey	.82
		142. Jackson avenue pavement	25.86
		143. Work for Fire Dept.	.93
		144. Voting booths for 2nd precinct of 7th ward and 6th ward	11.32

Total	\$474.55
Sewer Work—	
G. H. Sandenburgh	\$ 8.17
F. Leslie Feiner	14.23
Julius Loehrke	76.94
W. B. Russell .....	.75
St. Commsisioner's roll	44.29

Total	\$474.55
10. Sanitary sewer maintenance ...	\$141.19
11. Storm sewer maintenance	1.56
75. Care of storm water	1.63

Total

Total

Total expenditures

Total

* Chargeable to Street Dept

\$ 6.77

Respectfully submitted, GEO. H. SANDENBURGH, City Engineer.

Street Commissioner's Report

Ann Arbor, Mich., Feb. 3, 1919.

Honorable Board of Public Works, Jos. L. Arnet, President: Gentlemen—The following is a report of the work done by the Street department during the month of January, 1919:

1-1-15; 16-29—Cleaning paved streets, labor	\$116.60
Cleaning bridge, labor .....	.45
Cleaning alleys, labor	1.40
Grading, graveling and patching wirt streets, labor	96.81
(Graveling, cinders: Volland, Vine-wood boulevard, 14th st., alley north of Washington, Cambridge road, East Washington, Chapin, North 4th ave., Division, Monroe, 2nd st., Hill, South 5th ave., Observatory.)	
Repairs and cleaning inlets, gutter boxes, etc., labor	14.45
(Repairs inlet top W. Liberty, inlet William and Main, clearing tile, 1st and Hiscock.)	
Miscellaneous work and repairs, labor	64.93
(Setting street signs, \$13.50; taking ashes from city hall, \$2.67; work at tar tank, detaching pipes, \$6.00; hauling limb from Ingalls at N. University (for Park department), \$1.56; repairs to motor sweeper, \$8.00; handling gaso-line, 60c; cleaning up at city yard, handling material, etc., \$37.60.)	
Taking care of snow—	
Cleaning snow from crosswalks, gutters, etc., labor.....	8.35
Repairs culverts, labor.....	2.20
(South 5th avenue)	
Grading streets with street drag, labor and teams	69.99
Cleaning crosswalks, labor	8.15

Total

The Water Works system of the city of Ann Arbor was acquired from the Ann Arbor Water company on February 2nd, 1914. At the time of this acquisition, the value of the property, taken at the price paid for it, was represented by \$450,000.00 investment in pumping stations, reservoirs, distribution mains, and \$5,823.94 in materials and supplies taken over.

The Water Works system at the time of taking was seriously in need of improvement, particularly from a standpoint of quantity and quality of water. The policy of the Commission was to give its attention first to the improvement in quantity of water, because of the imperative need of adequate fire protection; and secondly, to the improvement in quality of the water supplied.

The first addition made was a 3,000,-000-gallon per day electrically-driven centrifugal pump at Station No. 1, to replace the original pump purchased by the water company some 30 years before. The next principal improvement consisted in the reinforcement of the distribution system by the construction of a 16-inch trunk main reaching from No. 1 Pumping Station, past the reservoir, around the city to the larger mains in the southeasterly portion, where for some time before no water had been obtainable by consumers for domestic use during the major part of the day. At this time there was added at the No. 1 Pumping Station a 5,000,000-gallon per day electrically-driven centrifugal pump. These improvements were completed and in service by the spring of 1918.

Respectfully submitted: A. J. PAUL, Street Commissioner.

FIFTH ANNUAL REPORT AND RECOMMENDATIONS OF THE BOARD OF WATER COMMISSIONERS OF ANN ARBOR, MICHIGAN.

To the Honorable Ernst M. Wurster, Mayor, and the Common Council of the City of Ann Arbor, Michigan: Gentlemen—The following is the annual report of the Board of Water Commissioners for the fiscal year ending February 1, 1919:

Growth of Water Works System.—

In 1916 a liquid chlorine apparatus was installed at the No. 1 Pumping

The capacity of the No. 1 Station during this period has, therefore, been increased from about 3,000,000 to 11,500,000 gallons per day. In addition to this, the No. 2 Station has been in efficient operating condition. At the present time practically all parts of the city are receiving water at adequate pressure.

Station, to afford protection from harmful bacteria of the water supply taken from the river. In the spring of 1918, a bond issue of \$200,000.00 was passed by the city for the development of the water supply from the artesian district south of the city, known as the Steere farm.

The increase in total water pumped annually since the system was taken over by the city is shown in the following table:

Fiscal year ending February 1st—

1915.....	1,050,985,439 (a)
1916.....	1,038,435,079 (a)
1917.....	1,304,525,521 (a)
1918.....	1,446,214,827 (a)
1919.....	1,539,839,575 (b)

(a) Pumpage estimated from count of pump strokes and from test of centrifugal pump.

(b) 82 percent of pumpage metered at station, and balance estimated from count of pump strokes.

The increase in water supplied is better than 50 percent, and while reports of similar systems indicate an increased cost of pumping per million gallons of 20 to 30 percent, the Ann Arbor Water Works system is pumping water at present at practically the same cost per million gallons as when taken over.

Water Supply.—The sources of water supply for the system are:

(a) From direct connection to the Barton pond on the Huron river.

(b) From a small sand gravel filter in the Barton pond.

(c) From the artesian water in the neighborhood of No. 1 Pumping Station.

(d) From the artesian supply of the No. 2 Pumping Station district.

(e) Upon completion of the No. 3 Pumping Station, from the artesian supply of the Steere farm district.

It is proposed to discontinue the water supply from the sources (a) and (b), and to use only the artesian water supply, leaving the river connection for use in extreme emergency.

About 90 percent of the water consumers have unrestricted use of the water, resulting in considerable wastage, as is evidenced by the high per capita consumption. In the opinions of the Commission, any measures that may be taken to prevent the wastage of water, at the same time permitting all legitimate use by consumers for household, sprinkling and other purposes, to reduce the consumption to a minimum, will be necessary to in-

sure the city being entirely supplied from artesian sources only.

Reservoir.—There are two open reservoirs on the Water Works system, one located on Chubb road, being a basin constructed prior to the time the Water Works system was put in operation in 1885, and the other, a 250,000-gallon capacity elevated steel tank on Medallion street, constructed by the water company just prior to the system being taken over by the city.

The Chubb road reservoir is lined with boulders placed on the earthen embankment, and has a capacity of about 2,000,000 gallons. In the near future the present reservoir should be lined with concrete, and additional capacity provided.

Distribution System.—Since 1914, the policy of the Commission has been to make all extensions of the mains as would give service and fire protection to all parts of the city.

Financial.—The revenues for the past year show an increase of about \$6,500.00 over that of the previous year, while the operating expenses increased only \$2,200.00. Since taking over the Water Works system by the city in 1914, improvements to the system have been made costing \$197,557.87. The whole of this sum has been paid out of earnings, leaving the department at the end of this year with a deficit of \$7,471.22.

The following table shows the additions made during each year:

Fiscal Year Ending	Value Added
February 1st,	to Plant.
1915	\$ 25,584.87
1916	21,233.28
1917	46,676.73
1918	89,289.86
1919	14,773.13

Total.....\$197,557.87

The earnings and operating costs for the past years have been as follows:

Fiscal Year	Gross Earnings.	Operating Costs.
Ending Feb. 1,		
1915	\$ 80,489.45	\$27,211.80
1916	88,045.44	26,271.13
1917	95,591.91	33,450.38
1918	(a) 94,090.94	40,480.06
1919	100,615.63	42,626.71

(a) Reduction in income due to curtailment of sprinkling period.

Exclusive of the \$200,000.00 bond issue now being used in the development of the water supply at the Steere farm, and the \$20,000.00 bond

issue covering the original Steere farm property purchase, there are outstanding \$450,000.00 in Ann Arbor Water Works bonds, the principal of which becomes due in annual installments averaging about \$30,000.00 for each year, and covering a period of 16 years beginning with the year 1920. The \$20,000.00 bond issue is being paid from the general tax at the rate of \$2,000.00 per year, and there remains \$12,000.00 to be paid. The \$200,000.00 bond issue is due July 1, 1928.

The total capital expenditures for plant extensions, exclusive of Station

No. 3, and 20-inch force main, for the fiscal year ending February 1st, are as follows:

DETAILS OF CAPITAL INCREASES.

Pumping Stations:	
No. 1 Station.....	\$ 1,412.80
No. 2 Station.....	263.19
Distribution System:	
16-inch trunk main.....	242.05
Mains	10,677.95
Services	393.52
Meters	1,783.62
Total	\$14,773.13

A complete summary of the financial operations of the department during the past year follows:

SUMMARY OF FINANCIAL OPERATIONS.

Revenue:		
Operating revenue	\$100,615.63	
Gross revenue		\$100,615.63
Expenses:		
Operating	\$ 42,726.71	
Maintenance	3,378.09	
		46,704.80
Net earnings from operation.....		\$ 53,910.83
Deductions from Operations:		
Interest paid on funded debt.....	\$ 18,150.00	
Accrued interest on funded debt.....	9,000.00	
Plant additions, 1918.....	14,773.13	
Depreciation reserve for 1918.....	6,536.25	
		48,459.38
Net profit after deductions from operations for year 1918.....		\$ 5,451.45
Feb. 1, 1918, add cash on hand.....	\$ 810.04	
Less City Treasurer's overdraft.....	13,732.71	
Deficit Feb. 1, 1918.....		12,922.67
Balance deficit Feb. 1, 1919.....		\$ 7,471.22

Steere Farm Development.—Shortly after the approval of the bond issue of \$200,000.00, contracts were let covering the purchase and the laying of the 20-inch force main from the No. 3 (Steere Farm) Station to the city, and for a 3,300,000-gallons per 24 hours electrically-driven centrifugal pump.

Work of laying the force main was started the latter part of August, immediately after receiving the pipe and special castings. Contracts were then let for the pumping station, operator's house, suction mains, wells, etc.

The work has progressed steadily through the winter, and at this time there remains of the 20-inch force main about 6,000 feet, and of the 20-, 16- and 12-inch suction main about 4,000 feet to be laid, of which all the

force main and about 1,000 feet of suction main must be completed before water can be pumped to the city.

Six of the 12 new 12 inch wells have been driven to depths of 29 to 43 feet. The new wells, together with the old, will make 19 wells available for water supply.

The pumping station is ready to receive the pumping equipment, which was shipped from Milwaukee, January 30th.

The Operator's House is enclosed, and will be ready for occupancy early in the spring.

The transmission line for electric power has been completed by the Edison company, ready for the out door transformer substation.

The plans for completing this development include a second pumping

unit for which foundations are already prepared in the station, and a suction basin. These, however, are not to be added until the plant is in operation.

The expenditures and estimated total costs to February 1, 1919, are as follows:

EXPENDITURES TO FEBRUARY 1, 1919—		Estimated
To Date:		Total.
Force main	\$107,368.61	\$117,000.00
Suction main	13,026.20	36,500.00
Wells	4,340.55	7,500.00
Power house building	11,442.86	18,000.00
Equipment	213.11	15,000.00
Operator's house	1,587.64	5,000.00
Suction well		
Interest during construction	4,700.00	10,000.00
Engineering and legal services	6,586.57	11,000.00
	<u>\$149,265.54</u>	<u>\$245,000.00</u>

It will be noted that the estimated total cost of \$245,000 is \$20,000 greater than the estimate of January 20th. This amount provides for the addition of a second pumping unit, which was not included in the former estimate, and the interest on the bonds during construction, which is a proper construction charge.

Contracts have been let for only the amount of the bond issue of \$200,000. The suction basin and the additional pump cannot be installed until an additional bond issue has been approved.

Meters.—At the present time there are 463 metered and 4,379 flat rate consumers who are paying \$30,497.53 and \$55,684.76, respectively, annually. The total water used through the meters amounted in round numbers to 322 million gallons, while that furnished to flat rate consumers, fire purposes, flushing sewers, leakage and wastage amounted to 1,218 million gallons. This would indicate that metered consumers being about 9 percent of all consumers actually use 21 percent of the total water pumped, and are paying 31 percent of the total revenue from water takers. Because of this inequity of the present rates and the necessity of eliminating the preventable waste of water which occurs almost entirely with the flat rate customers, this commission recommends that so far as practicable, all consumers be placed on meters at once, and that the meter rates be so adjusted as to be generally applicable

to all consumers. Under the discussion following, a rate schedule is suggested, which in the opinion of the commission will be equitable for all consumers.

Rates.—The rates for consumer and fire protection service at the present time, are those that were in force at the time of taking the water system over by the city and do not provide the additional revenue necessary to carry the Steere Pumping Station, and are as follows:

ANNUAL FLAT RATES—

For ordinary household uses for a house of not exceeding 4 rooms, occupied by one family	2.50
For each additional room	.50
For one bath tub	2.50
For each additional bath tub	1.00
For one water closet (self-closing), and wash bowl with faucet	3.00
For each additional closet	1.00
Sprinkling, per season	5.00

METER RATES—

Less than 1,000 gallons per day	.....
.....	20c per 1,000 gallons
1,000 to 3,000 gallons, per day	.....
.....	15c per 1,000 gallons
3,000 to 10,000 gallons per day	.....
.....	10c per 1,000 gallons

HYDRANT RENTALS—

For the first 100 hydrants	\$45.00 each
For 30 hydrants	Free
For the balance	\$40.00 each

These rates in the opinion of the commission, should be materially changed both to provide the increased revenues necessary and to give an equitable distribution of the rates; the extent of such modification depending in a large measure upon the policy to be followed by the Water Works Department respecting the capital expenditures in the Water Works system.

The past plan of making large extensions to the Water Works System out of earnings has resulted in the necessity of high consumers' rates for water, and even the present rates are not sufficiently high to return enough moneys to permit the Water Works Department to pay the operating charges and the bond interests and in addition to this, the principal of the bonds as they become due.

We would, therefore, recommend to the earnest consideration of your honorable body, the approval of the adoption by the Water Works Commission of the policy that the consumers do not contribute annually, more than 10 percent of the gross revenue of the

previous year for additions and extensions to the Water Works System, and that the balance of the revenues, after deducting operation, maintenance, depreciation and interest charges, be applied to the reduction of consumers' rates.

The balance of the moneys required for the extensions and to take care of the principal of the bonds coming due, to be supplied by re-issue of bonds or from the general tax levy, providing, however, that the revenue from consumers shall take care of the interest on outstanding bonds, and in addition pay the prevailing rate of interest on all moneys advanced from the general tax fund. The fund for depreciation, included as part of the operating charges, will provide moneys for the extinguishment of all obligations against the property at the end of the life of the property. This fund may properly be used also in making current extensions.

A proposed schedule of rates for fire protection and consumers' service, in accordance with the above policy and on the basis of supplying all consumers through meters, except those whose consumption is so small as will result in the meter not accurately recording the usage, are as follows:

**SCHEDULE OF WATER RATES:
METERED CONSUMERS—**

Service Charge.—A uniform readiness to serve charge of 50 cents per month per meter.

Quantity Charge (in addition to service charge)—

Ten cents per 1,000 gallons (equivalent to 7½ cents per 100 cubic feet) for the first 10,000 gallons (750 cubic feet) water per month, and 6 cents per 1,000 gallons (4.5 per 100 cubic feet) for each additional 1,000 gallons of water used thereafter.

Minimum Quantity Charge (at rate of following annual charge)—

Size Meter.	Amt.	Size Meter,	Amt.
5/8	\$ 0.00	2	\$20.00
3/4	4.00	3	40.00
1	6.00	4	60.00
1½	12.00	6	120.00

FIRE PROTECTION SERVICE—
\$45.00 for 8 inch hydrants per annum
\$40.00 for 6 inch hydrants per annum

UNMETERED CONSUMERS—
Consumers who do not sprinkle and whose consumption is too small to warrant use of meter...\$7.50 per year
Contractors and other water users where impracticable to meter.....

..... At present schedule
Sewer Flush Tanks—At the quantity charge based on the actual estimated usage.

NEW SERVICE CONNECTIONS (to property line)—

For ¾ inch taps and smaller \$15.00
Larger than ¾ inch taps—Cost plus 10 percent.

TESTING CHARGE—
\$1.00 per meter tested on request of consumer found within 3 percent correct.

BILLING—
Bills to be rendered monthly or quarterly at a gross rate of 1 cent per 100 cubic feet, added to the above quantity rate for metered consumers, which amount will be rebated for payment on or before the 10th of the month following. A 10 percent discount on above unmetered consumers rates will be allowed for payment on or before the 10th of the month following.

In the opinion of the commission the income under the above schedule will return sufficient moneys to care for all operating charges (including a fund to cover depreciation of the physical properties), all interest charges (including that on the original bond issue), the No. 3 (Steere Farm) Station, the bond issue of Steere Farm property and a bond issue for meters, a fund equal to 10 percent of the gross revenue for extensions, and will leave a surplus which will serve as an operating reserve. It is proposed to modify the rate schedule, as the future returns indicate.

Conclusions.—In order to carry out the foregoing recommendations, it is estimated that there will be required the following sums:

For completing the Steere Farm development	....\$ 45,000.00
For completely metering the city	..... 75,000 00
Total	.....\$120,000.00

The commission take this opportunity to commend the loyalty and co-operation of the employes of this department during the past year.

The detail report of Geo. S. Vandawarker, manager of the Water Works Department for the fiscal year ending February 1, 1919, is attached herto.

Wirt Cornwell, Geo. J. Mann, John Lindenschmitt, Commissioners.

**ANNUAL REPORT OF WATER WORKS DEPARTMENT FROM
FEB. 1, 1918, TO FEB. 1, 1919.**

OPERATION.

Expense Station 1—		
Salaries and supplies	\$	6,772.67
Expense Station 2—		
Salaries and supplies		3,279.57
Station 1—Coal		1,588.37
Station 1—Electricity		12,815.00
Station 2—Coal		4,439.66
Expense Office—		
Salaries and supplies		4,621.21
Expense General		6,129.66
Refunds		667.07
Insurance		1,010.85
Miscellaneous charges		1,302.65
		<hr/>
	\$	42,626.71
Injuries and Damages		100.00
		<hr/>
Total Operating	\$	42,726.71
Interest on Bonds		18,150.00
		<hr/>
Total	\$	60,876.71

REVENUE.

Water rates, flat	\$	66,384.76
Water rates, meter		30,497.53
Mason work		599.75
Taps		1,386.83
Meter rental		221.86
Off and On		222.25
Miscellaneous revenue		1,302.65
		<hr/>
	\$	100,615.63
Less Operating, 1918		60,876.71
		<hr/>
Balance	\$	39,738.92
Less Maintenance, 1918		3,978.09
		<hr/>
Balance		35,760.83
Less Depreciation, 1918		6,536.25
		<hr/>
Net Profit, 1918		29,224.58
Value added to plant, 1914	\$	25,584.87
Value added to plant, 1915		21,233.28
Value added to plant, 1916		46,676.73
Value added to plant, 1917		89,289.86
Value added to plant, 1918		14,773.13
		<hr/>
	\$	197,557.87
Original cost of plant		450,000.00
		<hr/>
Total	\$	647,557.87
Depreciation and Interest on Extensions—		
1914 to 1917 inclusive	\$	35,193.31
Depreciation, 1918		6,536.25
		<hr/>
	\$	41,729.56
		<hr/>
Value of plant to date	\$	605,828.31
Value Added to Plant, 1918—		
Construction 16" line	\$	242.05
Construction		10,677.95
Construction service		393.52
New meters		1,783.62
Construction Station 1		1,412.80
Construction Station 2		263.19
		<hr/>
	\$	14,773.13

INCOME.

1914	\$ 80,489.45
1915	88,045.44
1916	95,591.91
1917	94,090.94
1918	100,615.63

STATEMENT OF AFFAIRS.

Assets.		Liabilities.	
Fixed Assets—		Fixed Liabilities—	
Cost of plant..	\$647,557.87	Bonds Pay. . .	\$450,000.00
Less deprecia-		Accrued Int....	9,000.00
tion	41,729.56		<u>\$459,000.00</u>
	\$605,828.31	Current Liabilities—	
Current Assets—		Acct. Pay.	\$1,953.88
Cash on hand..	\$1,265.59		<u>1,953.88</u>
Treas. Bal.	6,693.36	Total Liabilities	\$460,953.88
Acct. Rec.	7,749.59	Surplus in	
	<u>15,708.54</u>	plant	\$155,828.31
Total assets	\$621,536.85	Net profit	4,754.66
		Present capital	<u>160,582.97</u>
			<u>\$621,536.85</u>
		Excess of assets over liabilities (capital)	\$160,582.97

REPORT OF STEERE FARM ENDED FEB. 1, 1919.

Bal. A. A. Savings Bank..	\$ 63,815.72	Bonds payable	\$200,000.00
Engineering	6,036.67	Bills payable	6,667.90
20" cast iron pipe	88,497.79	Interest on appropriation.	1,578.04
Freight	6,452.32	Water department	4,700.00
Cartage	3,071.36		
Advertising	50.55		
Fittings	2,512.00		
Right of way	550.00		
Construction 20" pipe	12,692.42		
Construction Station 3	24,547.20		
Expense Station 3	11.21		
Insurance	18.70		
Interest	4,700.00		
Total	\$212,955.94	Total	\$212,955.94

Cash on hand in drawer	\$1,265.59
Cash on hand City Treasurer	6,693.36
Number of Gallons Water Pumped—	
Flat rate consumers, fire purposes and flushing sewers.....	1,218,189,203
Number gallons used through meters	321,650,372
Total number gallons pumped	1,539,839,575
Number flat rate consumers	4,379
Number meters in use	463
New meters installed, 1918	31
New meters to replace old ones	50
New house connections	61
Hydrants paid for by city	255
Free hydrants	30
New hydrants installed, 1918	4
The following are the annual rates:	
For ordinary household uses for a house of not exceeding four rooms, occupied by one family	\$2.50.
For each additional room .....	.50
For one bath tub	2.50
For each additional bath tub	1.00
For one water closet (self-closing) and wash bowl with faucet.....	3.00
For each additional closet	1.00
Sprinkling, per season	5.00

The following are the meter rates:

Less than 1,000 gallons per day	\$.20 per 1,000
1,000 to 3,000 gallons per day .....	.15 per 1,000
3,000 to 10,000 gallons per day .....	.10 per 1,000

METERS IN USE.

Kind Meters—	Size.											Total	
	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	5"	6"			
Crown	26	35	38	1	5	12	..	5	..	1		123	
Trident	56	50	28	..	10	32	1	2	..	1		180	
Standard	1	64	1	..	..	1	2	..	..	..		69
Empire	22	1	1	..	1	2	..	1	..	..		28
Union .....	..	2	3	..	..	19	1	..	..	..		25
Lambert	21	..	..	..	..	..	..	..	..	..		21
Gem .....	..	..	..	..	..	2	3	1	..	..		6
Enarc .....	..	5	..	..	..	..	..	..	..	..		5
Keystone .....	..	1	1	..	..	..	..	..	..	..		2
Gammon .....	..	1	..	..	..	..	..	..	..	..		1
Magno Seal .....	..	..	1	..	..	..	..	..	..	..		1
Buffalo .....	..	..	1	..	..	..	..	..	..	..		1
Hersey .....	..	..	..	..	1	..	..	..	..	..		1
	126	159	74	1	17	68	7	9	..	2		463	
	20"	16"	14"	12"	10"	8"	6"	4"	2"	1 1/2"	1 1/4"	1"	3/4"
1912 ..	3010	5219	11836	2947	11452	150670	19075	11147	9381	6153	10909	320	
1913 ..	596	365	1940	5546	597	
1914	4440	1344	..	6648	320	365	440	..	648	..	
1915 ..	384	9723	..	314	193	146	401	111	
1916	11490	..	205	115	36	91	..	
1917 ..	22221	..	504	7625	56	937	..	
	S.F.	..	S.F.	
1918 ..	11707	..	276	7619	..	221	113	..	

11707 26211 5584 18996 4291 11452 199321 19992 12252 10129 6391 13102 431

CANCELLATION OF WATER BONDS.

Year Due	Clerk's No.	No. Bonds	Amount.
1920	1-44	44	\$22,000.00
1921	45-90	46	23,000.00
1922	91-138	48	24,000.00
1923	139-188	50	25,000.00
1924	189-240	52	26,000.00
1925	241-294	54	27,000.00
1926	295-350	56	28,000.00
1927	351-410	60	30,000.00
1928	411-472	62	31,000.00
1929	473-538	66	33,000.00
1930	539-606	68	34,000.00
1931	607-676	70	35,000.00
1932	677-748	72	36,000.00
1933	749-822	74	37,000.00
1934	823-864	42	21,000.00
1935	865-900	36	18,000.00
16 yrs.		900	\$450,000.00

WATER PUMPED FROM FEB. 1st, 1915, TO FEB. 1st, 1916.

	Station 1.	Station 2.	Total.	Average Daily Consump.	Est. Daily Aver. Consumption To Each Inhabitant.
February	56,934,787	23,052,700	79,987,487	2,856,696	129.08 gal.
March	60,002,318	25,801,765	85,804,083	2,767,873	125.08 gal.
April	59,641,511	24,535,865	84,177,376	2,805,913	127.05 gal.
May	64,418,753	24,900,655	89,319,408	2,881,248	130.90 gal.
June	61,992,773	24,104,199	86,096,972	2,869,808	130.04 gal.
July	64,121,879	24,305,675	88,427,554	2,852,501	158.00 gal.
August	54,987,958	24,928,225	79,916,183	2,557,767	143.02 gal.
September	55,824,213	24,031,275	79,855,488	2,661,852	147.08 gal.
October	65,354,320	24,379,230	89,733,550	2,964,903	134.07 gal.
November	64,059,950	23,598,525	87,658,475	2,921,948	132.08 gal.
December	67,743,867	23,798,640	91,542,507	2,952,977	134.02 gal.
January	72,059,446	23,866,550	95,925,996	3,094,386	140.06 gal.
			<u>1,038,445,079</u>		

WATER PUMPED FROM FEB. 1st, 1916, TO FEB. 1st, 1917.

	Station 1.	Station 2.	Total.	Average Daily Consump.	Est. Daily Aver. Consumption To Each Inhabitant.
February	71,783,244	23,281,450	95,064,694	3,395,167	135.80 gal.
March	78,648,051	24,901,050	103,549,101	3,340,293	133.61 gal.
April	74,673,621	24,171,775	98,845,396	3,294,846	131.79 gal.
May	80,942,479	24,997,650	105,940,129	3,417,423	136.69 gal.
June	78,387,714	24,190,505	102,578,219	3,419,273	136.77 gal.
July	94,055,598	25,284,850	119,340,448	3,849,691	213.87 gal.
August	94,076,008	25,351,000	119,427,008	3,852,484	214.02 gal.
September	80,676,897	23,936,850	104,613,747	3,487,124	193.72 gal.
October	89,445,848	24,490,832	113,936,680	3,675,376	147.01 gal.
November	85,848,707	23,410,675	109,259,382	3,641,979	145.67 gal.
December	89,754,852	24,387,375	114,142,227	3,682,007	147.28 gal.
January	93,756,835	24,071,655	117,828,490	3,800,933	152.03 gal.
			<u>1,304,525,521</u>		

WATER PUMPED FROM FEB. 1st, 1917 TO FEB. 1st, 1918.

	Station 1.	Station 2.	Total.	Average Daily Consump.	Est. Daily Aver. Consumption To Each Inhabitant.
February	92,342,264	21,444,410	113,786,674	4,063,809	162.55 gal.
March	95,150,672	23,723,600	118,874,272	3,834,653	153.38 gal.
April	87,335,401	22,745,925	110,081,326	3,669,377	146.77 gal.
May	94,937,291	23,572,530	118,509,821	3,822,897	152.91 gal.
June	94,344,021	22,494,400	116,838,421	3,894,614	155.78 gal.
July	93,051,872	23,533,250	116,585,122	3,760,811	208.93 gal.
August	101,568,000	23,638,710	125,206,710	4,038,926	224.32 gal.
September	93,549,451	22,811,225	116,360,676	3,878,689	215.48 gal.
October	102,120,000	23,621,750	125,741,750	4,056,185	162.24 gal.
November	99,360,000	22,728,975	122,088,975	4,069,632	162.78 gal.
December	103,333,000	23,718,030	127,051,030	4,098,420	163.93 gal.
January	111,722,000	23,368,050	135,090,050	4,357,743	174.31 gal.
			1,446,214,827		

WATER PUMPED FROM FEB. 1st, 1918, TO FEB. 1st, 1919.

	Station 1.	Station 2.	Total.	Average Daily Consump.	Est. Daily Aver. Consumption To Each Inhabitant.
February	106,056,000	21,182,800	127,238,800	4,544,242	181.76 gal.
March	110,526,000	23,869,350	134,395,350	4,335,333	177.41 gal.
April	97,953,000	23,572,155	121,525,155	4,050,838	162.03 gal.
May	102,012,000	23,946,100	125,958,100	4,063,164	162.52 gal.
June	112,605,000	23,593,600	136,198,600	4,539,952	181.59 gal.
July	117,954,000	24,034,005	142,088,005	4,583,484	254.65 gal.
August	119,290,000	23,931,325	143,221,325	4,620,042	256.69 gal.
September	97,163,000	23,121,475	120,284,475	4,009,482	222.74 gal.
October	110,045,000	23,739,605	133,784,605	4,315,632	172.62 gal.
November	102,890,000	22,735,100	125,625,100	4,187,503	167.50 gal.
December	93,733,000	23,412,235	117,145,235	3,778,872	151.16 gal.
January	89,109,000	23,265,825	112,374,825	3,624,995	144.99 gal.
			1,539,839,575		

	Population.
February, March, April, May, June, October, November, December, January	25,000
July, August, September	18,000

The following extensions were made in 1918:

- 1290 feet of 6 inch pipe on Seventh street from Madison to Davis Ave.
- 778 feet of 6 inch pipe on Pauline Boulevard 500 feet west off S. Main St.
- 615 feet of 6 inch pipe on N. Fourth Ave. from Catherine to Kingsley St.
- 476 feet of 6 inch pipe on Fifth street from Madison to Moseley St.
- 1078 feet of 6 inch pipe on Haven Ave. from S. Univ. Ave. to Hill St.
- 1323 feet of 6 inch pipe on Monroe between State St. and E. University Ave.
- 698 feet of 6 inch pipe on Hiscock from Miner to Brooks St.
- 399 feet of 6 inch pipe on Killins Sub Division north from W. Wash. St.
- 171 feet of 6 inch pipe on Gott St. north off Summitt St.
- 221 feet of 2 inch pipe on Krause street.
- 113 feet of 1 inch pipe on Golden Ave. from corner of Granger Ave.
- 11707 feet of 20 inch pipe for Steere Farm.
- 276 feet of 12 inch pipe for Steere Farm suction main.

Respectfully submitted: WATER WORKS DEPARTMENT OF THE CITY
OR ANN ARBOR, By Geo. S. Vandawarker, Manager.

Reports of City Treasurer, Clerk, Engineer and Street Commissioner for the month of January, and the annual report of the Board of Water Commissioners received and ordered to take the usual course.

February 17, 1919.

To the Honorable Common Council, Ann Arbor, Mich.: Gentlemen—I hereby certify that the petition for paving East University avenue, from Washtenaw avenue to South University avenue; the petition for paving Catherine street, from Main street to Fifth avenue, and Fourth avenue, from Ann street to Kingsley street, and Detroit street, from Fourth avenue to Catherine street; the petition for paving South University avenue, from State street to Washtenaw avenue, and the petition for paving Broadway, from the Michigan Central viaduct to Swift street, have been signed by the property owners owning a majority of the foot frontage of the assessable property on the streets named above.

Respectfully submitted, George H. Sandenburgh, City Engineer.

Referred to Street committee.

Ald. Heusel presented a resolution for the Broadway pavement, and on motion of Ald. Mayer, all pavement petitions were referred to the Street committee.

By Ald. Heusel: Resolved, That Dr. John F. Blinn be and is hereby appointed City Physician for the year beginning the first Monday in March, 1919, at a salary of \$25.00 per month.

Adopted by the following vote: Yeas—Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, President Reichert, 13. Nays, none.

By Ald. Huss: Resolved, That John

H. Shadford be and is hereby appointed Poor Commissioner for the year beginning the first Monday in March, 1919, at a salary of \$35.00 per month.

Adopted by the following vote: Yeas—Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, President Reichert, 13. Nays, none.

By Ald. Henderson: Resolved, That the City Attorney be and is hereby instructed to prepare the necessary paper, to be approved by this Council, for the submission to the electors, at the general election to be held on the seventh day of April, 1919, the proposition of raising, by bonding the city, the sum of one hundred ten thousand dollars (\$110,000.00), such sum to be used, when raised, for the purpose of completing the water works to the property owned by the city and known as the "Steere Farm," and for the purpose of improving the present water works system.

Adopted by the following vote: Yeas—Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, President Reichert, 13. Nays, none.

By Ald. Lutz: Resolved, That the proposed amendment to Section 51 of the Charter of the City of Ann Arbor, striking out the provision allowing the Clerk the sum of fifty cents on every license issued, and the provision that the Deputy City Clerk shall receive no compensation from the city, and the proposed amendment to Section 69 of the Charter, providing for the fixing of the compensation to be received by the Mayor, City Clerk, City Assessor, City Treasurer, City Attorney, Marshal and Health Officer by the Common Council, and providing

that said officers may appoint, subject to the approval of the Common Council, such assistants as are required, and that the proposed amendment to Section 161 of said Charter, eliminating the provision for the payment to the Health Officer the sum of \$600.00 per annum, which said amendments were proposed by more than a three-fifths vote of the members-elect of the Common Council, at its meeting held under date of February 3, 1919, and which said amendments were approved by the Governor under date of February 6, 1919, be submitted to the electors of the City of Ann Arbor, at a special election to be held in the several wards of the City of Ann Arbor on the fifth day of March, 1919.

Resolved, further, That said vote shall be by ballot and that such ballots shall be of equal width and length and printed upon white paper with black ink, and shall read as follows:

Amendment to Section 51 of the Charter:

To strike out of said section the provision allowing the City Clerk the sum of fifty cents on each license issued and the provision that the Deputy City Clerk shall receive no compensation from the city.

Yes ()

No ()

Amendment to Section 69 of the Charter:

Permitting the Common Council to fix the salaries to be paid to the Mayor, City Clerk, City Assessor, City Treasurer, City Attorney, Marshal and Health Officer.

Yes ()

No ()

Amendment to Section 161 of the Charter:

To allow the members of the Board of Health such compensation as the Common Council may designate.

Yes ()

No ()

Resolved, further, That the said election be held in the several ward voting rooms as follows:

First ward, voting room in basement of City Hall; Second ward, ward building on South Ashley street; Third ward, ward building on Miller avenue; Fourth ward, voting room in basement of new Armory on Fifth avenue; Fifth ward, ward building, corner of Swift and Pontiac streets; Sixth ward, voting room in old engine house, East University avenue; Sev-

enth ward, ward building on Mary street.

Resolved, further, That the polls of said election be opened at seven o'clock in morning, and closed at eight o'clock in the afternoon, and that the canvass and determination of the votes be made pursuant to the state law and Charter of the City of Ann Arbor.

Resolved, further, That the City Clerk make all necessary arrangements for said election, and for registration to precede said election, said registration to be held in the various wards of the city in the polling places above designated, on Wednesday, the twenty-sixth day of February, 1919, and that the hours of registration be from eight o'clock a. m. to eight p. m. on said date.

Resolved, further, That the amendments proposed to said Sections 51, 69 and 161 of said Charter be published in the Daily Times News of the City of Ann Arbor on Tuesday, the eighteenth day of February, and on Monday, the twenty-fourth day of February, 1919.

Adopted by the following vote: Yeas—Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, President Reichert, 13. Nays, none.

By Ald Lutz: Resolved, That City Attorney Frank B. DeVine be authorized to publish in the newspapers of this city a statement relative to the proposed amendments to our City Charter, so that every person may thoroughly understand the changes proposed.

Adopted by the following vote: Yeas—Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor, Lutz, President Reichert, 13. Nays, none.

By Ald Lutz: Whereas, It is necessary that certain repairs be made at once to the voting machines, to insure their being in perfect working order for the annual Charter election; and,

Whereas, It will be necessary to use all of the ballot boxes belonging to the city at the primary election and the special election to be held March 5th, 1919; therefore, be it

Resolved, That the City Attorney be and he is hereby instructed to take necessary action to have annulled or modified the order restraining the City

Clerk from opening the ballot boxes and voting machines.

Adopted by the following vote: Yeas—Ald. Sugden, Heusel, Huss, Mayer, Henderson, Prochnow, Markey, Donnelly, Spathelf, Freeman, MacGregor,

Lutz President Reichert, 13. Nays, none.

On motion of Ald. Huss, Council adjourned.

ISAAC G. REYNOLDS,
City Clerk.