

Council Chamber, Ann Arbor,
Mich., February 19, 1923.

Regular Session

Meeting called to order by City Clerk and Ald. Norris chosen to preside pro tem.

Present: Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris 11.

Absent: Ald. Lucas, White, Pres. Sugden, 3.

Communications

From Board of Public Works

To the Board of Public Works,
Ann Arbor, Michigan.

Gentlemen: We submit the following report of the financial condition of the Municipal Garage for the year 1922:

Expenditures

Supplies and equipment..\$7,542.22
Mechanic's salary 1,720.00

Total \$9,262.22

Receipts

Bills to departments\$6 944.81
Salary not charged 729.24
Equipment on hand 894.17
Supplies on hand 589.82
Administration 104.18

Total \$9,262.22

Respectfully submitted,

Alfred J. Paul, J. F. Rentschler,
Geo. H. Sandenburgh, Garage Committee.

Moved by Mr. Scott, that report be accepted and referred to Council. Adopted.

(Council action.)

Ordered entered in minutes.

(From Board.)

(Report on Encroachments.)

Mr. Hutzel presented the following:

To the Honorable, the Common Council.

Gentlemen:

Pursuant to report, which was handed into the Common Council Sept. 30, 1922, from the City Attorney, in reference to an ordinance relative to the use of streets and other public places, passed by the Common Council Nov. 4, 1895; approved Nov. 5, 1895; amended June 5, 1899; amended Oct. 20, 1913; and amended Sept. 15, 1919.

The following is the City Attorney's opinion as presented to the Council:

"It means therefor that in accordance with the terms of the Ordinance the Board of Public Works

shall enforce the violation thereof."

"Moved by Ald. Johnson, that a copy of the City Attorney's opinion be presented to each member of the Board of Public Works." All of this was probably executed. On the strength of this request, the Board of Public Works ordered the City Engineer to make or cause to be made a survey of our business streets to ascertain what encroachments of business blocks exists. We hereby attach an itemized report of the City Engineer's finding. From this report it seems that about 60 per cent of our business places are encroaching on our streets from a fraction of a foot to over three feet. Some of these buildings have been built upwards of from fifty to sixty years. The members of this Board realize that it is within their power to prevent any encroachments on new structures or repair work since the ordinance referred to was passed, but feel that enforcement of ordering old buildings back to the property line should be made by the Common Council direct, if at all.

Respectfully submitted, Board of Public Works.

Moved by Mr. Hutzel, that report be adopted and referred to Council.

Adopted by Board.

(Council action.)

Moved by Ald. Lutz, that report be placed on file. Adopted.

(From Board.)

Moved by Mr. Scott, that the Sewer Committee be requested to order all storm and lateral sewer construction so that the Board can advertise for bids by April 1st.

(Council action.)

Referred to Sewer Committee (From Board.)

City Engineer presented plans and specifications for pavements in Pavement Districts Nos. 52, 53 and 54. Moved by Mr. Rehberg, that plans and specifications be approved and referred to Council.

(Council action.)

Referred to Street Committee.

**Proposed Charter Amendments
Approved**

City Clerk reported that the proposed charter amendments were re-submitted to the Governor as there was an omission on the printed copies approved by him

January 31, 1923, and that copy of amendments as passed by Council January 15, 1923, was approved by the Governor Feb. 16, 1923.

Petitions

Of Oscar D. Luick et al., proposing to deed to city certain land for purpose of opening Brooklyn-ave. to Golden-av. on certain conditions, received and referred to Street Committee.

Of M. E. Slater, requesting that steps be constructed in front of his property on Lincoln-av. on account of street being cut down, received and referred to Street Committee.

Petitions for Lateral Sewers

Of Fred E. Nagel et al on Maxwell-av. and Wakefield-av.; of Julia R. Morton et al on Eighth-st. of Amanda A. Baluss et al, on Wright-st. and Cedar-st., received and referred to Sewer Committee.

Curb and Gutter Petitions

Of E. C. Whitney et al, of Greenwood-av. from E. University-av. to Packard-st; of Theo. H. Trost et al on First-st. from Jefferson to Madison-sts., received and referred to Street Committee.

Petition of Theo. H. Trost et al, for larger water main on First-st., between Jefferson and Madison-sts., received and referred to Water Committee and Water Commission.

Service Station Petitions

Consent of three signers for oil station at corner of Huron and Eighth-sts. received. City Engineer made oral report that the three signers were not owners of property within the district.

Supplemental petition of L. L. Griffiths et al., protesting against granting permit for erection of oil station at corner of Huron and Eighth-sts., received.

Petition of Alvin Pommerening et al., protesting against granting permit for oil station at Jackson and Dexter-aves, and withdrawing names from any petition to grant same, received.

Consent of Belle Mullison Rogers et al, for oil station at southwest point corner at intersection of State and Packard-sts., received. Also notice from three signers to said petition withdrawing their names received.

The foregoing petitions, etc, relative to oil stations, were referred to the City Engineer.

Committee Reports

Finance Report

Fire Fund

Chas. Andrews, salary	.....\$95.16
Eugene Williams, salary	.. 81.48
Ralph Edwards, salary	.... 81.48
Henry McLaren, salary	..... 77.65
Jacob Gwinner, salary	..... 77.65
Frank Markey, salary	..... 74.64
Herman Kruse, salary	.... 74.64
Emil Damman, salary	.... 74.64
Mat. Heining, salary	.... 74.64
Eloyd Naylor, salary	..... 74.64
Earl Arnold, salary	..... 74.64
Fred Nordman, salary	.... 74.64
Benj. Zahn, salary	..... 74.64
Henry Nevroth, salary	.... 74.64
Raymond Gillespie, salary	.. 74.64
Arthur Clark, salary	..... 74.64
Clyde Carpenter, salary	.... 74.64
John Comiskey, salary	... 67.96
Arthur Luke, salary	..... 67.96
Walter Fieldkamp, salary	.. 67.96
Chas. Carroll, salary	..... 42.61

Fire Fund total salaries

1-2 month Feb.\$1,555 59

Police Fund

Thos. O'Brien, salary	.....\$95.16
Jacob Andres, salary	..... 79.16
Wm. Aprill, salary	..... 74.64
Ed. Blumhardt, salary	.... 74.64
Fred Keihl, salary	..... 74.64
Marland Howard, salary	.. 74.64
Chas Splitt, salary	..... 74.64
Joseph Gast, salary	..... 74.64
Goe. Randel, salary	..... 74.64
Louis Fohey, salary	..... 74.64
Chas. Kapp, salary	..... 74.64
John Osborn, salary	..... 74.64
Carl Arnold, salary	..... 74.64
Glenn Sheldon, salary	.... 67.96

Police Fund total salaries

1-2 month Feb.\$1,063.32

Water Works Fund

Harry Willsher, salary	....\$64.62
Emanuel Sodt, salary	.... 77.55
Fred Linde, salary	..... 68.75
Robt. Rowe, salary	..... 51.70
Robt. Young, salary	..... 48.47
A. E. Hawkes, salary	..... 55.00
Cliff Shetterly, salary	.... 77.55
Louise Malloy, salary	.... 55.00
Wm. Groves, salary	..... 55.00
J. C. Ledwidge, salary	..... 50.00

Water Works Fund total

semi-monthly salaries ..\$603.64

Contingent Fund

Frank Marz, salary 1-2	
month	.....\$74.64

Municipal Garage

Wood Hydraulic Hoist &	
Body Co, supplies	.....\$ 3.81
W. B. Gray, supplies, etc.	.. 6.35
Lincoln Tire Co., supplies	.. 15.85

Luick Bros. & Co., supplies.	6.55	plies	\$408.00
The Mayer-Schairer Co., supplies	.75	Jas. B. Clow & Sons, supplies	1.65
The Michigamau Oil Co., supplies	96.50	Wm. H. L. Rohde, supplies	3.25
Monson Pattern & Machine Works, supplies	2.20	Mich. Valve & Foundry Co., supplies	77.35
Henry S. Platt, supplies	5.48	Addressograph Co., supplies	.96
The Pruner Coal Co. Inc., supplies	7.38	The Mayer-Schairer Co., supplies	3.00
Richards Automobile Necessities, supplies	1.20	John J. Sauer, supplies	2.25
J. F. Richm, supplies	1.40	Staebler Oil Co., supplies	10.00
The Tire Shop, repairs	18.00	Geo. Wahr, supplies	5.40
C. F. Hartman, express paid	.47	Wolf & Colvin, supplies	3.15
		Muehlig & Schmid, supplies	3.90
		Bingham & Taylor, supplies	168.55
Municipal Garage total	\$165.94	H Mueller Mfg. Co., supplies	25.10
Engineer Dept.		The Pruner Coal Co., supplies	690.50
Jim Acqui services	\$ 8.50	The Detroit Edison Co., light and power	1,029.92
H. H. Bartlett, services	75.00	Fred T. McOmber, insurance	52.70
H. J. Colyer, services	40.00	Mich. Central Railroad, freight	12.79
V. W. McAdam, services	78.00	Water Works Dept., expenses	5.92
W. L. Rye, services	75.00		
Engineer Dept. total services	\$276.50	Total supplies, etc.	\$2,504.39
Banner Laundering Co., laundry	\$ 4.40	A. Gertsler, labor	\$51.15
Willis Blakeslee, services	75.00	L. Gerneck, labor	51.15
The Christian Mack Agency, insurance	32.50	Total labor	\$102.30
Kuffel & Esser Co., supplies	27.29	Water Works Fund total including salaries	\$3,210.33
The Lufkin Rule Co., supplies	20.02	Park Fund	
The U. S. Blue Print Paper Co., supplies	17.21	Fred Biggs, labor	\$ 3.15
Sam C. Andres, supplies	1.65	Fzra Moore, labor	15.00
Eberbach & Son Co., supplies	2.80	Gottlieb Schmid, labor	6.30
The Goodyear Drug Co., supplies	1.60	Park Fund total	\$24.45
Martin Haller, supplies	6.50	Street Fund	
The Mayer-Schairer Co., steel desk, etc.	409.85	L. G. Bird, labor	\$48.40
The Quarry Drug & Prescription Store supplies	3.06	Mike Costello, labor	12.00
Wm. H. L. Rohde, supplies	1.80	Fred Handelman, labor	52.80
Holland, Ackerman & Holland, blue printing	4.80	Emanuel Holzapfel, labor	4.00
The Gillette Co., posting notices	5.00	Carl Janke, labor	10.65
The Ann Arbor Times News, printing	170.75	Sam. Kalmbach, labor	6.00
The Athens Press, printing	8.50	James Mason, labor	48.40
Clyde C Kerr & Sons, printing	11.75	Adam Schlecht, labor	2.70
P. B. Harding, repairs	13.50	Geo. Schmidt, labor	4.00
C. E. Godfrey, cartage, etc.	3.66	John Wendland, labor	5.60
Total supplies, etc.	\$821.58	Total labor	\$194.55
Contingent Fund total including salary	\$1,338.66	Sam C. Andres, supplies	\$.15
Water Works Fund		The Mayer-Schairer Co., supplies	2.00
Neptune Meter Co., sup-		Total supplies	\$ 2.15
		Street Fund total	\$196.70
		Labor Acc. Sewer Dist. No. 119	
		American Vitrified Products Co., supplies	\$275.96

A. Weston, supplies	46.00
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Labor Acc. Sewer Dist. No.	
119 total	\$321.96
Recapitulation	
Contingent	\$1,338.66
Fire	1,555.59
Police	1,063.32
Water Works	3,210.33
Park	24 45
Street	196.70
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City Funds total	\$7,389.05
Labor Acc. Sewer Dist.	
119	321.96

Grand total \$7,711.01
 Ann Arbor, Mich., Feb. 19, 1923.
 To the Finance Committee of the
 Common Council,
 Gentlemen:

I have examined 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. 16, 1923. We recommend that same be approved and that warrants be ordered drawn for foregoing accounts.

Albert D. Groves,
 Robert Norris,
 Finance Committee.

Ald. Groves moved the adoption of report, which was adopted by following vote: Yes, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

To the Honorable, the Common Council.

Gentlemen: Your Finance Committee, to whom was referred the matter of purchasing a copying or reproducing machine, respectfully recommends that the City Clerk be instructed to purchase a Ditto Copying Machine complete with stand and roll at \$200 as we find that this machine will be very useful in the City Engineer's office and will also do satisfactory work for any other department which may have occasion to use it

Respectfully submitted,
 A. D. Groves, Robert Norris,
 Mark B. Sugden,
 Finance Committee.

Ald. Groves moved the adoption of report, which was adopted by following vote: Yeas, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

Sewer Committee Report

To the Honorable, the Common Council.

Gentlemen: Your Sewer Committee respectfully recommends that a lateral sewer be constructed on Maxwell-av. from Soule boulevard west to the west end of Maxwell-av. and on Wakefield av. from Soule-bld. west to the west end of Wakefield-av., also that a lateral sewer be constructed on E. 8th-st. from Liberty-st. to the north line of lot 4, Thompson, Spoor and Thompson addition, also that a lateral sewer be constructed on Wright-st. from Swift-st. to entrance to Fair View cemetery and on Cedar-st. from Pontiac-st. to Wright-st.; and that the City Engineer be instructed to prepare plans, specifications and estimates of costs for said lateral sewers, and that the construction of said sewers is hereby deemed and declared to be necessary public improvements

Respectfully submitted,
 Geo. Lutz, Geo. L. Haarer, Jerome Markey, W. S. Moore, Sewer Committee.

Ald. Lutz moved the adoption of report, which was adopted by following vote: Yes, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none

Ald Lutz made oral report that Edgar N. Durfee had presented a communication to Council Dec 4, 1922, offering right of way for storm sewer across lots 85 and 86, College Hill addition, upon certain conditions. Matter was referred to Sewer Committee.

Street Committee Report

To the Honorable, the Common Council:

Gentlemen: Your Street Committee to whom was referred the City Engineer's plan of parking space on S. University-av., between State-st. and Oakland-av. in accordance with agreement with the Regents of the University of Michigan adopted by Council June 19, 1922, and which said plan was approved by the Board of Public Works January 31st. 1923, has had said plan under consideration and

respectfully recommends approval of the same and that a copy of plan be presented to the Regents of the University of Michigan for approval.

Respectfully submitted,

Wm L. Henderson, George Spathelf, A. D. Groves, Benj. H. Graf, Robert Norris, W. G. Johnson, Street Committee.

Ald. Henderson moved the adoption of report, which was adopted by following vote: Yes, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none

Ald. Henderson presented plans and specifications for pavements in Districts Nos. 52, 53, and 54, which were approved by Board of Public Works Feb. 12, 1923, and the following preliminary estimates for said pavements which were approved by Board Jan. 31, 1923.

Preliminary Estimates for Pavements

Preliminary estimates S. State St. pavement, Fourth Ave. pavement, Geddes Ave. pavement.

Feb. 2, 1923.

To the Board of Public Works,

Ann Arbor, Michigan.

Gentlemen:

I submit the following preliminary estimates of the cost of the S. State St. pavement, Fourth Ave. pavement and Geddes Ave. pavement. Plans and specifications are on file in my office.

S. State St. pavement, Arch to Granger

3 in. sheet asphalt (1 1-2 in binder, 1 1-2 in. top) on 6 in. concrete base—

Labor and materials....\$24,522.35
Engineering and contingencies 2,452.23

Estimated cost \$26,974.58

2 in. asphaltic concrete on 6 in. concrete base—

Labor and materials....\$23,069.35
Engineering and contingencies 2,306.93

Estimated cost \$25,376.28

Brick pavement on 6 in. concrete base—

Labor and materials....\$31,430.45
Engineering and contin-

gencies 3,143.04

Estimated cost \$34,573.49

7 in. concrete pavement—

Labor and materials....\$19,292.55
Engineering and contingencies 1,929.25

Estimated cost \$21,221.80

Fourth Ave. pavement, Liberty to Packard St.

3 in. sheet asphalt surface (1 1-2 in. binder, 1 1-2 in. top) on 6 in. concrete base—

Labor and materials....\$14,192.73
Engineering and contingencies 1,419.27

Estimated cost \$15,612.00

2 in. asphaltic concrete on 6 in. concrete base—

Labor and materials....\$13,351.13
Engineering and contingencies 1,335.13

Estimated cost \$14,686.26

Brick pavement on 6 in. concrete base—

Labor and materials....\$18,205.89
Engineering and contingencies 1,820.58

Estimated cost \$20,026.47

3 in. sheet asphalt surface 1 1-2 in. binder, 1 1-2 in. top) on 6 in. rolled stone base—

Labor and materials....\$12,313.73
Engineering and contingencies 1,231.37

Estimated cost \$13,545.10

2 in. asphaltic concrete on 6 in. rolled stone base—

Labor and materials....\$11,472.13
Engineering and contingencies 1,147.21

Estimated cost \$12,619.34

7 in. concrete pavement—

Labor and materials....\$11,246.65
Engineering and contingencies 1,124.66

Estimated cost \$12,371.31

Geddes Ave. pavement, Washtenaw to Oxford Rd.

Sheet asphalt surface (1 1-2 in.

binder, 1 1-2 in. top) on 6 in. concrete base—

Labor and materials....\$34,462.85
Engineering and contingencies 3,446.28

Estimated cost\$37,909.13

2 in. asphaltic concrete surface on 6 in. concrete base—

Labor and materials....\$32,486.25
Engineering and contingencies 3,248.62

Estimated cost\$35,734.87

Brick pavement—

Labor and materials....\$43,862.75
Engineering and contingencies 4,386.27

Estimated cost\$48,249.02

3 in. sheet asphalt (1 1-2 in. binder, 1 1-2 in. top) on 6 in. rolled stone base—

Labor and materials....\$30,070.35
Engineering and contingencies 3,007.03

Estimated cost\$33,077.38

2 in. asphaltic concrete on 6 in. rolled stone base—

Labor and materials....\$28,093.75
Engineering and contingencies 2,809.37

Estimated cost\$30,903.12

7 in. concrete pavement—

Labor and materials....\$27,381.25
Engineering and contingencies 2,738.12

Estimated cost\$30,119.37

Respectfully submitted.

GEO. H. SANDENBURGH,
City Engineer.

By Ald. Henderson.

Resolved, That the plans, specifications and estimates of cost of paving Fourth-av. from Liberty-st. to Packard-st., known as Pavement District No. 52; Geddes-av. from Washtenaw-av. to Oxford-rd. known as Pavement District No. 53; and South State-st. from Arch-st. to Granger-av. known as Pavement District No. 54, be and the same are hereby approved and accepted and the Board of Public Works is hereby authorized to ad-

vertise for bids for and proceed with the construction of said pavements.

Resolved, further, that the construction of said pavements is hereby deemed and declared to be necessary public improvements.

Adopted by following vote: Yeas, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

Officers' Reports

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

TREASURER'S REPORT

Month ending Jan. 31, 1923.
City Funds

Receipts—

Contingent:: Fees on taxes collected \$1,-365.52; supplies and repairs, \$713.69; Int. on bank bal., \$444.71; city scales, \$52.40; maps of city, \$5; milk lic., \$7; peddlers' lic., \$11; billiard lic., \$44; theater lic., \$210; bill poster lic., \$25; dog lic., \$3.75	\$ 2 882.07
Cemetery: Care of lot, \$1; burial permits, \$43	44.00
Police: City fees, \$36.20; city fines, \$300; re-fund, \$1.77	338.07
Poor: Rent	20.00
Street: Old iron sold, \$24.38; repair pavements, \$25.15	49.53
Sidewalk Building:: Walks built by city..	143.15
Water Works General Fund: Received from manager of dept....	12,853.92
Water Dept. Sinking Fund: Received from manager of dept....	1 500.00
Uncollected City Tax: Taxes collected	7,201.35

Total\$ 25,032.09

On hand, Jan. 1, 1923. 134 550.18

\$159 582.27

Warrants paid 34,935.03

On hand Feb. 1, 1923..\$124,647.24

Disbursements—	
Contingent	\$ 7,342.31
Cemetery	96.00
Fire Dept.	3,226.91
Police	2,164.58
Poor	90.09
Street	1,280.61
Park	993.85
Street Light	1,926.54
Bridge, Culvert and Crosswalk	2,845.61
Water Works General Fund	11,282.32
Water: (Hydrant, rent- al, etc.)	2,902.33
Uncollected City Tax..	19.59
Rejected Tax	764.29
Total	\$ 34,935.03

On Hand—	
Contingent	\$ 29,697.90
Cemetery	1,299.04
Fire Dept.	11,392.52
Police	12,774.62
Poor	98.77
Street	3,351.49
Park	1,550.16
Street Light	8,257.79
Bridge Culvert and Crosswalk	17,124.05
Water Works General Fund	20,669.92
Special Water Works (Completion)	9,381.02
Water Dept. Sinking Fund	24,905.15
Water: (Hydrant, rent- al, etc.)	6,039.58
Total	\$146,542.01
Overdrawn	21,894.77
	\$124,647.24

Overdrawn—	
Sidewalk Building	\$ 389.86
Uncollected City Tax..	3,148.18
Delinquent Tax	18,356.73
Total	\$ 21,894.77

Warrants Outstanding—	
Contingent	\$ 228.81
Police	10.92
Poor	2.99
Street	81.75
Bridge, Culvert and Crosswalk	2.25
Water Works General fund	75.72

On hand Feb. 1, 1923..\$ 402.44
State, County, School Funds
 Receipts—

State: Taxes collected..	\$ 20,345.47
County: Taxes collected.	28,224.18
School: Taxes collected.	62,699.44
Total	\$111,269.09
On hand Jan. 1, 1923..	450,156.23

\$561,425.32
 Warrants paid 175,000.00
 On hand Feb. 1, 1923..\$386,425.32

Disbursements—	
State	\$ 40,000.00
County	60,000.00
School	75,000.00
Total	\$175,000.00

On Hand—	
State	\$ 76,369.91
County	101,433.72
School	208,621.69
Total	\$386,425.32

Sewer Funds

Receipts—	
Tax Account—	
Sewer Dist. No. 88	\$ 22.40
Sewer Dist. No. 90	73.08
Sewer Dist. No. 101	25.77
Sewer Dist. No. 103	66.67
Sewer Dist. No. 107	39.97

Total \$ 227.89
 On hand Jan. 1, 1923.. 6,247.82
\$ 6,475.71
 Warrants paid 102.00

On hand Feb. 1, 1923..\$ 6,373.71

Disbursements—	
Labor Account—	
Sewer Dist. No. 119	\$ 102.00
Total	\$ 102.00

On Hand—	
Labor Account—	
Sewer Dist. No. 89	\$ 177.60
Sewer Dist. No. 91	80.97
Sewer Dist. No. 92	98.92
Sewer Dist. No. 95	212.29
Sewer Dist. No. 96	247.01
Sewer Dist. No. 98	63.60
Sewer Dist. No. 99	40.75
Sewer Dist. No. 100	33.00
Sewer Dist. No. 101	206.78
Sewer Dist. No. 103	197.20
Sewer Dist. No. 104	377.15
Sewer Dist. No. 107	42.93
Sewer Dist. No. 108	19.63

Sewer Dist. No. 109...	28.01
Sewer Dist. No. 110...	270.76
Sewer Dist. No. 111...	1,381.18
Sewer Dist. No. 112...	677.67
Sewer Dist. No. 113...	46.83
Sewer Dist. No. 114...	159.68
Sewer Dist. No. 115...	326.44
Sewer Dist. No. 116...	83.48
Sewer Dist. No. 117...	123.83
Sewer Dist. No. 118...	243.83
Tax Account—	
Sewer Dist. No. 90....	1.56
Sewer Dist. No. 93....	242.79
Sewer Dist. No. 95....	39.75
Sewer Dist. No. 97....	375.98
Sewer Dist. No. 98....	172.68
Sewer Dist. No. 101...	241.15
Sewer Dist. No. 102...	471.37
Sewer Dist. No. 103...	772.88
Sewer Dist. No. 105...	110.39
Sewer Dist. No. 106...	564.63
Sewer Dist. No. 107...	223.36
Sewer Dist. No. 108...	356.30
Sewer Dist. No. 109...	178.52
Total	\$ 8,990.90
Overdrawn	2,617.19
	<u>\$ 6,373.71</u>

Overdrawn—	
Labor Account—	
Sewer Dist. No. 90....	\$ 302.82
Sewer Dist. No. 93....	293.15
Sewer Dist. No. 105....	93.87
Sewer Dist. No. 106....	26.53
Sewer Dist. No. 119...	102.00
Tax Account—	
Sewer Dist. No. 86....	203.19
Sewer Dist. No. 87....	139.48
Sewer Dist. No. 88....	637.92
Sewer Dist. No. 89....	276.08
Sewer Dist. No. 91....	14.92
Sewer Dist. No. 92....	110.69
Sewer Dist. No. 94....	35.99
Sewer Dist. No. 96....	146.21
Sewer Dist. No. 99....	59.78
Sewer Dist. No. 100...	29.75
Sewer Dist. No. 104...	144.81
Total	\$ 2,617.19

Pavement Funds

Receipts—	
Tax Account—	
Paving Dist. No. 27,	
Taxes collected	\$ 24.73
Paving Dist. No. 29....	33.20
Paving Dist. No. 30....	10.70
Paving Dist. No. 33....	7.26
Paving Dist. No. 34....	55.10
Paving Dist. No. 35....	11.62
Paving Dist. No. 39....	19.59
Paving Dist. No. 40....	381.64

Paving Dist. No. 41...	33.78
Paving Dist. No. 42...	44.40
Paving Dist. No. 43...	45.41
Paving Dist. No. 44...	34.85
Paving Dist. No. 45...	9.73
Paving Dist. No. 46...	8.21
Paving Dist. No. 47...	101.77
Totals	\$ 827.99
On hand, Jan. 1, 1923..	6,523.51
On hand Feb. 1, 1923..	<u>\$ 7,351.50</u>
On Hand—	
Labor Account—	
Paving Dist. No. 48...\$	1,327.45
Paving Dist. No. 49...	2,930.99
Paving Dist. No. 50...	4,109.18
Tax Account—	
Paving Dist. No. 32...	30.66
Paving Dist. No. 34...	342.58
Paving Dist. No. 36...	539.88
Paving Dist. No. 38...	1,033.35
Paving Dist. No. 40...	1,252.61
Paving Dist. No. 43...	3,329.77
Paving Dist. No. 44...	3,696.87
Paving Dist. No. 45...	885.96
Paving Dist. No. 46...	587.82
Paving Dist. No. 47...	971.96
Total	\$ 21,039.08
Overdrawn	13,687.58
On hand Feb. 1, 1923..	<u>\$ 7,351.50</u>

Overdrawn—	
Labor Account—	
Paving Dist. No. 51...\$	645.49
Tax Account—	
Paving Dist. No. 20...	700.73
Paving Dist. No. 27...	2,419.10
Paving Dist. No. 28...	2,512.82
Paving Dist. No. 29...	2,133.09
Paving Dist. No. 30...	1,348.97
Paving Dist. No. 33...	215.10
Paving Dist. No. 35...	161.83
Paving Dist. No. 37...	25.06
Paving Dist. No. 39...	2,962.75
Paving Dist. No. 41...	134.06
Paving Dist. No. 42...	428.58
Total	<u>\$ 13,687.58</u>

Curb and Gutter Funds

Labor Account—	
Curb-Gutter No. 26,	
bonds sold	\$ 3,187.93
Curb-Gutter No. 27....	5,742.24
Curb-Gutter No. 38....	8,749.36
Curb-Gutter No. 39....	4,939.06
Curb-Gutter No. 41....	1,645.53
Curb-Gutter No. 44....	1,866.61
Curb-Gutter No. 48....	3,802.01
Curb-Gutter No. 49....	1,734.53

Tax Account—	
Curb-Gutter No. 6.	
Taxes collected	16.64
Curb-Gutter No. 10.....	5.86
Curb-Gutter No. 12.....	25.31
Curb-Gutter No. 15.....	5.96
Curb-Gutter No. 16.....	8.62
Curb-Gutter No. 18.....	12.07
Curb-Gutter No. 22.....	6.20
Total	\$ 31,747.93
Overd'wn Jan. 1, 1923.	28,172.30
	<hr/>
	\$ 3,575.63
Warrants paid	9,334.66

Overd'awn Feb. 1, 1923. \$ 5,759.03

Disbursements—

Tax Account —	
Curb-Gutter No. 2.....	\$ 308.12
Curb-Gutter No. 3.....	389.45
Curb-Gutter No. 5.....	46.04
Curb-Gutter No. 6.....	357.86
Curb-Gutter No. 7.....	637.41
Curb-Gutter No. 8.....	426.03
Curb-Gutter No. 9.....	327.96
Curb-Gutter No. 10.....	343.49
Curb-Gutter No. 11.....	589.65
Curb-Gutter No. 12.....	1,337.17
Curb-Gutter No. 13.....	262.16
Curb-Gutter No. 14.....	15.98
Curb-Gutter No. 15.....	826.95
Curb-Gutter No. 16.....	1,177.85
Curb-Gutter No. 17.....	404.84
Curb-Gutter No. 18.....	241.99
Curb-Gutter No. 19.....	337.92
Curb-Gutter No. 20.....	536.28
Curb-Gutter No. 21.....	212.89
Curb-Gutter No. 22.....	547.68
Curb-Gutter No. 23.....	7.84
Total	\$ 9,334.66

On Hand—

Labor Account—

Curb-Gutter No. 27.....	277.98
Curb-Gutter No. 27.....	616.48
Curb-Gutter No. 38.....	1,403.80
Curb-Gutter No. 39.....	687.80
Curb-Gutter No. 41.....	265.98
Curb-Gutter No. 44.....	317.43
Curb-Gutter No. 48.....	271.41
Curb-Gutter No. 49.....	68.54
Tax Account—	
Curb-Gutter No. 2.....	164.68
Curb-Gutter No. 3.....	284.56
Curb-Gutter No. 4.....	465.79
Curb-Gutter No. 5.....	611.82
Curb-Gutter No. 6.....	192.16
Curb-Gutter No. 8.....	124.67
Curb-Gutter No. 9.....	116.55
Curb-Gutter No. 10.....	264.21

Curb-Gutter No. 11...	562.65
Curb-Gutter No. 12...	847.86
Curb-Gutter No. 13...	128.94
Curb-Gutter No. 14...	289.43
Curb-Gutter No. 15...	733.41
Curb-Gutter No. 16...	868.91
Curb-Gutter No. 17...	466.25
Curb-Gutter No. 18...	75.60
Curb-Gutter No. 19...	222.45
Curb-Gutter No. 20...	403.46
Curb-Gutter No. 21...	211.55
Curb-Gutter No. 22...	1,432.19
Curb-Gutter No. 23...	281.11

Total

\$ 12 686.77

Overdrawn—

Labor Account—

Curb-Gutter No. 25....	\$ 635.80
Curb-Gutter No. 29....	1,218.05
Curb-Gutter No. 30....	1,051.45
Curb-Gutter No. 31....	1,013.98
Curb-Gutter No. 32....	2,006.75
Curb-Gutter No. 33....	1,007.55
Curb-Gutter No. 34....	2,112.80
Curb-Gutter No. 35....	780.84
Curb-Gutter No. 36....	986.45
Curb-Gutter No. 37....	1,014.90
Curb-Gutter No. 40....	1,292.85
Curb-Gutter No. 42....	633.00
Curb-Gutter No. 43....	1,395.30
Curb-Gutter No. 45....	1,096.98
Curb-Gutter No. 46....	1,195.10
Curb-Gutter No. 47....	913.50

Tax Account—

Curb-Gutter No. 7.....	90.50
Total	\$ 18 445.80
	<hr/>
	12 686.77

Overdrawn Feb. 1, 1923. \$ 5,759.03

State Savings Bank Ann Arbor, Mich. Feb. 3, 1923.

This is to certify that the City Treasurer had on deposit at the above named bank at the close of business Jan. 31, 1923, \$500,261.49.

H. F. GROSS,
Asst. Cashier

Recapitulation

City funds on hand.....	\$124,647.24
State, county and school funds on hand.....	386,425.32
Sewer funds on hand.....	6,373.71
Pavement funds on hand.....	7,351.50
	<hr/>
	\$524,797.77
Curb and Gutters funds overdrawn	5,759.03
On hand Feb. 1, 1923	\$719,028.74
State Saving Bank Bal. \$500,261.49	

Checks and cash in vault 18,777.25
 On hand Feb. 1, 1923. . \$519,038.74

ROSS GRANGER
 City Treasurer.

City Engineer's Report

To the Board of Public Works
 Ann Arbor, Michigan.

Gentlemen:

I submit the following report of expenditures for labor and materials used in work done under my direction during the month of January, 1923.

Engineering and Clerical—

Name	Amount
G. H. Sandenburgh	\$ 250.00
V. W. McAdam	175.50
H. R. Scovill	161.08
H. H. Bartlett	150.00
C. W. Blashill	150.00
W. L. Rye	145.31
H. J. Colyer	122.50
H. E. Diederide	105.00
Julius Lohrke	85.70
Fred Schmid	35.25
	<hr/>
	\$1,380.34

Chargeable to

	Amount
1. Records	\$ 404.21
3. Correspondence	14.72
4. Reports, monthly and annual	130.91
5. Committee, Board meetings	13.55
6. Inspecting plumbing	4.29
8. Information to the public	68.27
10b. Sewer foreman salary	85.70
12. Cleaning and arranging office	23.00
24. Street lines and grades	37.54
25. Preliminary estimates	3.13
59. Vacation: V. W. McAdam. \$6.50; sickness: C. W. Blashill, \$54.28	60.78
66. Directing work of department	90.68
77. Conventions and society meetings	23.51
89. Allen's Creek storm sewer	108.73
131. Municipal garage	9.90
157. Housing Code	30.22
167. Sanitary and storm survey and design	7.50
207. S. State St. pavement	12.46
248. Geddes Av. pavement	89.17
278. Henry St. sanitary	

sewer	15.11
288. Washtenaw Av. pavement	1.72
295. Fourth Av. pavement	29.72
297. W. Madison St. curb and gutter	1.87
298. Brooks - Miller Av. curb and gutter	18.91
299. Washington Heights curb and gutter . . . . .	.62
300. Ingalls St. curb and gutter	1.72
301. Ashley St. curb and gutter	1.87
302. Moore St. curb and gutter	1.25
304. Broadway curb and gutter	20.79
305. Eighth St curb and gutter	3.60
307. N. Thayer St. curb and gutter	1.87
308. Smoke inspection department	49.74
309. Comfort Stations	13.28
	<hr/>
	\$1,380.34

Sewer Work—

H. R. Scovill	\$ 5.58
W. L. Rye	4.69
Julius Lohrke	39.30
Fred Schmid	14.50
Jim Acqui	33.00
	<hr/>
	\$ 97.07
10. Sanitary sewer maintenance	\$ 96.07
11. Storm sewer maintenance	1.00
	<hr/>
	\$ 97.07

Supplies, etc.—

Keuffel & Esser	\$ 21.37
Eugene Dietzgen	10.31
Geo. H. Sandenburgh	24.53
Geo. H. Sandenburgh	4.97
S. C. Andres . . . . .	.90
	<hr/>
	\$ 62.08
14. Office supplies	\$ 21.68
24. Street lines and grades . . . . .	.90
77. Conventions and society meetings	24.53
278. Henry St. sanitary sewer	4.97
	<hr/>
	\$ 62.08

Total expenditures for month \$1,539.49

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

Street Commissioner's Report

Ann Arbor, Mich.,

February 1, 1923.

Honorable Board of Public Works,
Fred J. Rentschler, Pres.,
Ann Arbor, Michigan.

Gentlemen:

Following is a report of work done by Street Department during the month of January, 1923:

Cleaning snow from gutters	\$173.17
Cleaning snow from crosswalks	176.00
Plowing snow from sidewalks	140.00
Drawing snow from streets	79.75
Drawing cinders on Franklin Blvd.	90.27
Drawing cinders on Fifth St.	43.88
Cleaning inlets	69.00
Repair work on Federal truck	101.20
Overhauling street sweeper.	13.20
Drawing logs to saw mill..	11.52
Drawing filling on 7th St..	12.80
Digging out trees on Golden Ave	19.20
Cleaning out paper cans on street	12.45
Cleaning cement mixer....	2.20
Cleaning pavement	3.50
Drawing coal for poor....	1.78
Drawing ashes from City Hall	3.98

Total for month.....\$953.90

Respectfully submitted,

ALF. J. PAUL,

Street Commissioner.

Annual Report of Water Works Department

TO THE HONORABLE, THE MAYOR AND COMMON COUNCIL OF THE CITY OF ANN ARBOR, MICHIGAN

Gentlemen—

The Board of Water Commissioners have the honor to present herewith the 9th Annual Report of the Water Works Department covering the fiscal year from February 1, 1922 to January 31, 1923.

The past year has been a very satisfactory one for the Ann Arbor Water Works Department. An adequate supply of artesian water has been furnished to meet all demands of the system with a sufficient reserve to meet the growth of the City for a number of years to come. The income from the water pumped has been sufficient to pay all

the operating expenses of the department, to pay the interest on outstanding bonds with surplus left which has been used to retire the principal on bonds due this year, and making such extensions to the distribution system as have been required by the growth of the City.

The City during the past few years has had a rapid growth, with every prospect of the growth continuing. There has been an increase in the number of consumers of 357 during the year, or an increase of 68 per cent of the total customers, and 53 per cent more than the growth last year.

The amount of water pumped is 5.6 per cent more than the amount of water pumped in 1921, while the cost of operating the Department is 5.5 per cent less than in 1921.

Your Board of Water Commissioners have endeavored to meet the growth of the City by additions to the distribution system and also replaced the small wrought iron pipe mains in the streets that are to be paved. The elevated steel reservoir on Medaillon Street has been sold and will be removed during the early spring. This reservoir has been out of service for three years, and with the large trunk mains connecting with the pumping stations in the different parts of the City, there is no need for this reservoir. There are still improvements to the Water Works Department that are in need of attention and will be taken care of as rapidly as can be, and these are a better warehouse work shop and storage facilities for the Department supplies and materials improvements to the Chubb Road reservoir and additional labor saving equipment for the construction department.

The work that has been accomplished by the Department during the last year is taken up under appropriate headings in the discussion following:

WATER SUPPLY: During the past year the No. 3 (Steele Farm) Pumping Station furnished 91 per cent of the total water used in the City. All of the water pumped into the water distribution system is artesian well water.

During the year the suit brought against the Water Department by the farmers for damages to their land in the vicinity of the No. 3

(Steere Farm) Pumping Station was heard in court, but the decision has not been made. There is still pending one suit between George Wilsey et al. owners of a farm in Pittsfield township, asking damages to the amount of \$718 claiming the operation of the No. 3 Pumping Station is drying up his pasture thereby injuring the water supply for his stock.

PUMPING PLANTS: No. 1 Pumping Station, located near the Barton Dam at the northwest corner of the city, has installed one 5,000,000 gallons per day motor driven pump and one 2,500,000 gallons per day steam pump. This plant is maintained solely as a reserve station for use in case of large fires or other serious emergencies that would overtax the other pumping stations. The plant is operated a short time each day to deliver the excess water collected at this station, thereby keeping the reserve pumps in running condition.

NO. 2 PUMPING STATION, located on West Washington Street on the west side of the city contains an electrically driven pump of 5,000,000 gallons per day capacity and is used as an emergency supply.

NO. 3 PUMPING STATION, located about 3 miles south of the city on State Street at the so-called Steere farm has installed two motor driven pumps of 3,700,000 gallons per day capacity each. One of these pumps is held in reserve and it has not been found necessary to operate both pumps at the same time, one pump being able to supply all of the demand of the city during the summer months, which gives the heaviest demand on the system.

DISTRIBUTION SYSTEM: During the year the largest additions to the distribution mains were laid since the beginning of operation of the plant: In other years there has been more actual feet of water main laid but most of these other quantities were trunk line mains. During the past year 14,563 feet of 6-inch distribution main were laid and 15 new fire hydrants installed. This large amount of distribution main installed was made possible by the purchase of a trenching machine so that it was not necessary to depend upon labor to excavate the trenches for the pipe.

The large trunk line mains have equalized the pressure so that there is satisfactory pressure in all parts of the City.

METERS: All customers taking water from the Water Works System are metered. The water used for flush tanks of the sewer system and that used for fire fighting purposes is not metered. The per capita consumption of water ranges from 78.5 gallons per inhabitant per day to a maximum of 137 gallons per inhabitant per day during the sprinkling period. The population of Ann Arbor is very hard to determine due to the fluctuation of the population caused by the University. The population assumed for the past year probably errs in being small rather than being over-estimated. This makes the per capita consumption of water probably err in being larger than what it actually is.

The rates now charged for water, your Commission believe to be fair and very satisfactory. The revenue derived is sufficient to pay all the expenses of the Department the interest on the bonds, set up a depreciation reserve, and during the last year to pay the principal of the bonds that were due, with a surplus used in making extensions to the distribution system. A smaller rate would require bonding to raise money for extensions and to retire the bonds that are due, and a higher rate is not required unless unforeseen contingencies would necessitate an increased revenue to meet the expense of the Department.

FINANCIAL: The total revenues from operations of the Department during the past fiscal year amount to \$134,264.01. This is a gain of 7.3 per cent over the income of last year. During this period the cost of the operation and maintenance of the Department decreased 5.5 per cent. The total capital expenditures added to the Water Works System amounted to \$47,872.36, of which \$36,186.46 was from earnings and the balance of \$11,635.90 from bonds. There remains on hand \$23,800.37 unexpended of the amount received from bonds issued for the construction of the No. 3 Pumping station and for the purchase of water rights at the station. A complete summary of the financial operation is shown in the following table.

Summary of Financial Operations**Revenue—**

Operating Revenue	\$134,064.01
Non Operating Revenue (Rents)	200.00
	<u>\$134,264.01</u>

Expense—

Operating Expense	\$36,042.54
Maintenance	5,068.21
	<u>\$41,110.75</u>

Net Earnings from Operation

	\$93,153.26
--	-------------

Deduction from Operation—

Interest on Funded Debt	\$35,538.75
Depreciation Reserve	18,970.15

Total Operating Deductions

	\$54,508.90
--	-------------

Net gain from operation Jan 31st 1923.....

	\$38,644.36
--	-------------

Plant additions from surplus earnings

	36,186.36
--	-----------

Surplus earnings as of Jan 31st, 1922

	\$2,458.02
--	------------

Total Capital Expendi-

tures	\$47,872.26
Bond Expenditures (Water Rights)	\$6,571.76
Bond Expenditures (Special)	5,114.14
	<u>\$11,685.90</u>

Expenditures from surplus earnings.....

	\$36,186.36
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Balance Water Rights Bonds in Fund

	890.99
--	--------

Balance Water Rights Bonds unaid

	18,500.00
--	-----------

Balance Special water works completion

	9,409.33
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Balance in bond fund unexpended

	\$28,800.37
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CONCLUSIONS: In conclusion we would commend to you the efficient and willing co-operation of the employees of the Water Works Department upon whom the successful and efficient operation of the Department depends. The statistical report of G. S. Vandawarker, Manager for the fiscal year is attached hereto.

John Lindenschitt,
Wirt Conwell,
Geo. J. Mann,

Commissioners.

Annual Repos. of Water Works Department From Feb. 1, 1922 to**Jan. 31, 1923.****Operation**

Station No. 1, Salaries & Supplies	\$2,305.28
Station No 1 Power	831.60
Station No 2 Salaries & Supplies	1,138.55
Station No. 2 Power	94.23
Station No 3 Salaries & Supplies	2,687.60
Station No. 3 Power	12,110.28
General Expense, Salaries and supplies	6,676.11
Office Expense, Salaries & Supplies	7,708.19
Utility Expense	1,546.66
Insurance	944.04

\$36,042.54

Maintenance

Repairs Stations No 1. \$	64.53
Repairs Station No. 2	3.35
Repairs Station No. 3	33.65
Repairs Mains, Hyd. & Valves	1,121.46
Repairs Services	1,699.51
Repairs Meters	2,078.81
Repairs Reservoir	66.90

\$5,068.21

Total Operation .. \$41,110.75

Interest on Bonds

	35,538.75
--	-----------

\$76,649.50

REVENUE**Operating Revenue**

Sprinkling Systems, (Rate)	\$398.00
Meter Rate	\$93,315.15
Meter Repairs	885.76
Service Taps	10,284.22
Mason Work	5.24
Off & On	131.00
General Municipal service	29,001.14
Bad Accounts Collected	43.50

\$134,054.01

Non-Operating Revenue

Rents

	\$200.00
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Gross Revenue .. \$134,264.01

Summary

Gross Revenue Income from all sources

	\$134,264.01
--	--------------

Deductions from Revenue, Operation

	\$36,042.54
--	-------------

Maintenance

	5,068.21
--	----------

Interest on Funded Debt

	35,538.75
--	-----------

\$76,649.50

Net earnings from Operation, credited to surplus	\$ 57,614.51	Interest on replacement fund @ 4 per cent	1,921.45
			<u>\$ 18,970.15</u>
Deductions from Surplus, Depreciation	\$ 17,048.70	Operating Net Profit as per Surplus Acc't. ...	\$ 38,644.36

CAPITAL ASSETS SINCE MUNICIPAL OWNERSHIP

	Earnings	Bonds	Total
Value added to Plant, 1914	\$ 19,760.93		\$ 19,760.93
Value added to Plant, 1915	21,233.28		21,233.28
Value added to Plant, 1916	46,676.73		46,676.73
Value added to Plant, 1917	89,289.86		89,289.86
Value added to Plant, 1918	14,773.13		14,773.13
Value added to Plant, 1919	21,260.71	5,295 100 68	316 361 39
Value added to Plant, 1920	21,306.84	76,559.41	97,866.25
Value added to Plant, 1921	41,918.67	21,636.59	63,555.26
Value added to Plant, 1922	36,186.36	11,685.90	47,872.26
Total Additional Value	\$312,406.51	\$404,982.58	\$717,389.09

Total Additional Value.....	\$ 717,389.09
Original Cost to City.....	450,000.00
Actual Cost at this Date	\$1,167,389.09
Less Property Abandonment (Obsolescen.)	39,619.45
Book Value as at Jan 31st 1923	\$1,127,769.64
Less Bal Depreciation Reserve Acc't	65,557.76

Actual Value at at Jan. 31st, 1923	\$1,062,218.88
Itemized Value of Plant Additions, 1922.	

Stations No. 1, Decrease \$	3,813.51
Station No. 2	267.45
Station No. 3	5,114.14
Water Supply	6,571.76
Distribution	30,347.07
Tools & Construction Equip	880.48
Traction Ditcher & Equipment	7,261.33
Utility Equipment	1,150.00
Office Furniture & Fixtures	93.54

Total Capital Expenditures	\$ 47,872.26
----------------------------------	--------------

Income Since Municipal Ownership, Jan. 31st, 1914.

Jan. 31st, 1915	\$ 80,489.45
Jan 31st, 1916	88,045.44
Jan. 31st, 1917	95,591.91
Jan. 31st, 1918, (Sprinkling Curtailed)	94,090.94
Jan 31st, 1919	100,615.63
Jan. 31st, 1920	106,580.22
Jan. 31st, 1921 (3 months loss of revenue)	94,536.55
Jan. 31st, 1922	125,143.20
Jan 31st, 1923	134,264.01

Statement of Affairs—Assets

Fixed Assets	
Plant Investment	\$1,127,769.64

Current Assets, Quick Assets	
Cash on hand	\$ 703.44
Bal. with Treasurer	20,975.22
Special Deposit, A	11,000.00
Special Deposit, B	22,905.15
Actual Acc'ts. receivable	11,210.54
Estimated Acc'ts., Receivable	8,104.99
	<u>\$ 74,899.34</u>

Business Assets	
Pre-paid Accts.	\$ 1,593.85
Deferred Charges	
Uninvested Sinking fund	24,405.15

Total Assets	\$1,228,667.98
Liabilities—Fixed Liabilities	
Bonds Payable	\$ 771,500.00
Budget Appropriation	78,616.00
	<u>\$ 850,116.00</u>

Accrued Liabilities	
Interest on Funded debt	\$ 11,103.75
Current Liabilities	
Accounts Payable	\$ 3,214.99
Consumers Deposits	3,340.00
	<u>\$ 6,554.99</u>

Reserves	
Sinking Fund (Budget) \$	11,000.00
Sinking Fund, (Earning)	22,905.15
Depreciation Reserve	65,550.76
	<u>\$ 99,455.91</u>

Total Liabilities	\$ 967,230.65
Surplus in Plant	\$ 214,581.19
Net Gain as at Jan. 31, 1923	46,856.14
Present Capital	<u>\$ 261,437.33</u>

Plant Investment	\$1,127,769.64	Present Capital	\$ 261,437.33
			<u>\$1,228,667.98</u>

WATER MAINS IN ANN ARBOR CITY													
	20"	16"	14"	12"	10"	8"	6"	2"	1½"	1¼"	1"	¾"	
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	404	111
1916							11490		205	115	36	91	
1917		22221		504			7625				56	937	
				S. F.									
1918				S.F.			7619		221			113	
1919		5987	12	276			3189		156				
1920							4759						
Out 1921	17694	26223	5584	18996	4291	11452	207269	19992	12408	10129	6391	13102	43
							390		3602	5346	1548	5505	
Laid 1921	17694	26223	5584	18996	4291	11425	206870	19992	8806	4783	4843	7597	43
				1908		3392	7348		77	50			
1922	17694	26223	5584	20904	4291	14844	214227	19992	8883	4833	4843	7597	43
							14563						
	17694	26223	5584	20904	4291	14844	228790	19992	8883	4833	4843	7597	43

Kind	METERS IN USE									Total
	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"		
Trident	5112	220	115	40	65	7	8	2	5569	
Crown							1		1	
Empire	4		1						5	
Lambert	7								7	
Gem						2			2	
Enarc		1							1	
Union					1				1	
Magno Seal		1							1	
	5123	222	116	40	66	9	9	2	5587	

Cancellation of Water Bonds				Purchase of Steere Farm Land	
Purchase of Plant				\$20,000.00 Issue — \$4,000.00 Unpaid	
Year	Clerk's No.	Bonds	Amount		
Due	No.			\$2,000.00 due Aug. 1st, 1922	
1920	1-44	44	\$22,000.00	\$2,000.00 due Aug. 1st, 1923	
1921	45-90	46	23,000.00	\$2,000.00 due Aug. 1st, 1924	
1922	91-138	48	24,000.00	Plant at Steere Farm	
1923	139-188	50	25,000.00	Bond Issue for 10 years Original	
1924	189-240	52	26,000.00	\$200,000.00 all due July 1st, 1928.	
1925	241-294	54	27,000.00	Completion of Steere Farm Station	
1926	295-350	56	28,000.00	Bond Issue for 10 years. \$45,000.00	
1927	351-410	60	30,000.00	all due Aug. 1st 1929.	
1828	411-472	62	31,000.00	Meter Bond Issue	
1929	473-538	66	33,000.00	\$75,000.00 all due Aug. 1st 1929.	
1930	593-606	68	34,000.00	Purchase of Water Rights, Steere	
1931	607-676	70	35,000.00	Farm	
1932	677-748	72	36,000.00	Bond Issue 15 years. \$66,500.00	
1933	749-822	74	37,000.00	sold \$18,500.00 unsold All due May	
1934	823-864	42	21,000.00	15, 1935	
1935	865-900	36	18,000.00	Daily average gallons pumped	
16 yrs.	900		\$450,000.00	to each inhabitant, 1921: February,	
				79.8; March, 79; April, 77.2; May,	
				93.9; June 103.3; July, 133.8; Au-	

Water Pumped From Feb. 1st, 1921 to Feb. 1st, 1922.

	Station 1	Station 2	Station 3	Total	Aver Daily Pumpage
February	5,821,000	16,646,000	36,756,000	59,223,000	2,115,100
March	6,620,000	13,967,000	44,355,000	64,942,000	2,094,903
April	5,853,000	18,622,000	36,955,000	61,430,000	2,047,666
May	6,585,000	19,386,000	51,192,000	77,163,000	2,489,129
June	6,366,000	18,631,000	57,170,000	82,167,000	2,738,900
July	7,279,000	19,397,000	54,345,000	81,021,000	2,613,580
August	8,026,000	19,537,000	38,091,000	65,654,000	2,117,871
September	7,634,000	19,142,000	36,783,000	63,559,000	2,118,633
October	7,560,000	3,200,000	60,398,000	71,158,000	2,295,419
November	7,187,000	502,000	57,075,000	64,764,000	2,158,800
December	8,198,000	528,000	52,903,000	61,629,000	1,988,032
January	7,405,000	346,000	57,962,000	65,713,000	2,119,774
				818,423,000	

Water Pumped From Feb. 1st, 1922 to Feb. 1st, 1923

	Station 1	Station 2	Station 3	Total	Aver, Daily Pumpage
February ..	6,162,000	203,000	52,604,000	58,969,000	2,106,035
March	6,457,000	204,000	57,835,000	64,496,000	2,030,516
April	6,173,000		56,420,000	62,596,000	2,086,533

May	6,269,000	66,304,000	72,573,000	2 341,064
June	6,468,000	68,787,000	75,255,000	2,508,500
July	5,738,000	77,271,000	83,009,000	2,677,709
August	6,150,000	70,480,000	76,630,000	2,471,935
September	6,439,000	60,852,000	67,291,000	2,243,033
October ...	5,802,000	73,265,000	79,067,000	2,550,548
November .	6,300,000	70,240,000	76,540,000	2,551,333
December .	7,240,000	65,663,000	72,903,000	2,351,709
Janary	5,770,000	71,789,000	77,559,000	2 501,903

866,888.000

gust, 108.3; September, 108.3; October, 86.5; November, 81.4; December, 75.1; January, 79.9. Daily average gallons pumped to each inhabitant, 1922; February, 79.6; March, 78.5; April, 78.7; May, 88.4; June, 94.7; July, 137; August, 126.5; September, 114.8; October, 96.3; November, 96.4; January, 94.5.

Population, February March, April, May, June, October, November, December and January, 26-500; July, August and September, 19,516.

METER RATES

For the first 1500 cubic feet (11,250 gallons) per quarter year, supplied through a single meter, the rate shall be 15c per 100 cubic feet (20c per 1,000 gallons).

For the next 98,500 cubic feet (738,750 gallons) per quarter year, through a single meter, the rate shall be 9c per 100 cubic feet (12c per 1,000 gallons).

For all in excess of 100,000 cubic feet (750,000 gallons) per quarter year, through a single meter, the rate shall be 6c per 100 cubic feet (8c per 1,000 gallons).

A discount of 10 per cent on all bills rendered at the above rates shall be allowed when bills are paid on or before the tenth of the month in which they are due.

A minimum charge of \$1.50 shall be made to each customer whose net bill for the quarter year is less than this amount.

EXTENSIONS

578' of 6" on Buchanan from Liberty to Elder Blvd.

456' of 6" on W. Summitt between Fountain & Miner Sts.

645' of 6" on Montgomery from Washington to Charlon.

44' of 6" on Abbott, West of Montgomery.

48' of 6" on Olivia Ave. South from Hill St.

96' of 6" on Geddes from Last Hydrant to Onondaga to Complete Circuit.

425' of 6" on Onondaga from Geddes to Complete Circuit.

261' of 6" on Ingalls from Granger to Woodlawn.

1008' of 6" on Woodlawn from Ingalls to Packard St.

477' of 6" on Lorraine Place from Berkshire to Wayne.

1545' of 6" on Scottwood Addition from Austin Ave. to Norway Rd.

738' of 6" pipe on Pauline Blvd. to Fifth Street.

1544' of 6" pipe on Fifth Street from Pauline Blvd. to complete Circuit.

448' of 6" pipe on Greene St. South of Hoover.

1101' of 6" pipe on Pontiac. Last hydrant to City Limits.

606' of 6" pipe on Henry St. West of Packard.

877' of 6" pipe on Sylvan Ave. from Packard to White St.

343' of 6" pipe on Dexter Ave.

1001' of 6" pipe on Miner from Felch to Hiscock St.

1138' of 6" pipe on Washington Heights off Observatory St.

423' of 6" pipe on Cross St. from Packard to Division St.

29' of 6" pipe on Davis Ave. East of Fifth St.

61' of 6" pipe on Davis Ave. west of Fifth St.

29' of 6" pipe on W. Hoover east of Fifth St.

87' of 6" pipe on Vinewood, West from Wayne.

248' of 6" pipe on Wayne from Lorraine Place to Vinewood Blvd.

365' of 6" on Berkshire from Wash-tenaw to Lorraine Place.

NEW CONNECTIONS

357 New Services Connections. (Taps).

15 New Hydrants Installed

Respectfully Submitted
Water Works Department
of the City of Ann Arbor
By Geo. S. Wandawarker,
Manager

Ann Arbor Mich., Feb. 19, 1923.
To the Honorable Common Council,
Ann Arbor, Michigan.

Gentlemen: I transmit for your further order valuations in lateral sewer districts Nos. 110, 112 to 118 inclusive; pavement districts Nos. 48 to 51 inclusive; curb and gutter districts Nos. 25 to 27 inclusive and 29 to 49 inclusive.

Respectfully submitted,

H. W. Crappen, City Assessor.

By Ald. Markey.

Resolved, that Friday, March 16 1923, be and the same is hereby fixed as the day, 2 p. m. the hour, and the council chamber the place for the review of the assessment rolls of lateral sewer districts Nos. 110 and 112 to 118 inclusive; of pavement districts Nos. 25 to 27 inclusive and Nos. 29 to 49 inclusive.

Resolved, further that the City Clerk do advertise the same according to charter and ordinances.

Adopted by following vote: Yes Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays none.

City Attorney presented lease from Board of Supervisors of Washtenaw county to the parcel of land on court house grounds necessary for erection of comfort station. Lease was ordered on file.

City Attorney made oral report on legislation, relative taxation, proposed by the League of Michigan Municipalities, and informed Council there would be a hearing on question of repealing enabling act giving cities the right to zone.

Moved by Ald. Lutz, that it is the sense of this Council that the City Attorney keep in touch with the matters reported by him and attend at the expense of the city all meetings or hearings relating to same.

Adopted by following vote: Yeas, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

City Engineer announced that he would present report at next meeting relative to petitions for oil stations which had been referred to him.

Chair announced that nominations were in order for offices of Poor Commissioner and City Physician. Ald. Spathelf nominated

Mr. John H. Shadford for Poor Commissioner.

Moved by Ald. Lutz, that Mr. John H. Shadford be appointed Poor Commissioner for the year beginning March 1, 1923, at a salary of fifty dollars per month.

Adopted by following vote: Yeas, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

Ald. Johnson nominated Dr. Edwin C. Ganzhorn for City Physician.

Moved by Ald. Spathelf, that Dr. Edwin G. Ganzhorn be appointed City Physician for the year beginning March 1, 1923, at a salary of fifty dollars per month.

Adopted by following vote: Yeas, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

By Ald. Haarer:

Resolved, That the Board of Public Works be authorized to advertise for bids, or to purchase in open market if they deem it advisable, for season's supply of tar, via, sand gravel crushed stone, road oil calcium chloride, sewer pipe, brick and cement.

Adopted by following vote: Yeas, Ald. Johnson, Haarer, Graf, Henderson, Groves, Markey, Moore, Spathelf, Freeman, Lutz, Norris, 11. Nays, none.

By Ald. Lutz:

Resolved, that the election date for submission of proposed amendments to sections 61, 62, 63, 83, paragraph entitled "First" under section 88; sections 107, 108, 109, 110, 111 of the charter of the City of Ann Arbor, as submitted by Alderman Haarer and adopted at meeting of Council January 15th, 1923, be changed to the election of April 2nd, 1923, and the polls of said election be open from 7 o'clock a. m. to 8 o'clock p. m. central standard time, and all propositions therein contained be submitted to the voters of the City of Ann Arbor on that date and that the City Clerk be authorized to make necessary arrangements for holding said election on the propositions contained in the said resolution on the said April 2nd, 1923, at the polling places contained in said original resolution and give notice accordingly, and that

said proposed amendments be Spathelf, Freeman, Lutz, Norris,
submitted at such election in full 11. Nays, none.
on a single ballot.

Adopted by following vote: Yeas,
Ald. Johnson, Haarer, Graf, Hen-
derson, Graves, Markey, Moore,

On motion of Ald. Spathelf,
Council adjourned.

Isaac G. Reynolds,
City Clerk.