

Council Chamber, Ann Arbor, Mich., Feb. 18, 1924.

Regular session.

Meeting called to order by President Sugden.

Present: Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12.

Absent: Ald. Markey, Norris, Gram, 3.

Minutes of previous meeting approved

Charter Amendments Filed

Ann Arbor, Mich., Feb. 5, 1924.
To Isaac G. Reynolds, City Clerk, Ann Arbor Michigan.

We acknowledge receipt of two certified copies of amendments to Section 1 and 2 of the Charter of the City of Ann Arbor, as amended at the election held Jan. 28, 1924.

Yours very truly,

CLARAMON L. PRAY,
Deputy County Clerk. (Seal)

City Clerk reported that on Feb. 6, 1924, he sent by registered mail two certified copies of amendments to Sections 1 and 2 of the Charter of the City of Ann Arbor, as amended at election held Jan. 28, 1924, to Charles J. DeLand, Secretary of State, Lansing, Michigan, and return receipt shows that they were delivered to office of Secretary of State Feb. 7, 1924, and return receipt signed "Charles J. DeLand by Clayton W. Loring."

Ordered entered in minutes.

From Board of Public Works

Moved by Mr. Hutzel, that Board ask council for permission to purchase in open market cement, sand, gravel brick and sewer pipe necessary for season's work.

(Council action.)

Moved by Ald. Henderson, that request be granted.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

(From Board)

To the Board of Public Works, Ann Arbor, Mich.
Gentlemen:

I submit the following preliminary estimates of the cost of

Storm Sewers

On North Main-st. from north city limits south approximately

1400 feet. Estimated cost, \$4,428.98.

On Oakland-av. from Monroe-st. to Hill-st. Estimated cost, \$4,060.10.

On Ann st. from Glen ave. to Observatory st. Estimated cost, \$4,000.00.

On West Washington-s. from 7th-st. to Crest-av. and from Creek west of Third-st. to Seventh-st.; and on Crest-av. from Washington-st. south 340 feet; and on 7th-st. from the Creek to Washington-st.; and on Third-st. from Creek to Krause-st. Estimated cost, 7,647.03.

On Cambridge-rd., Day-st. and Wayne-st. from Washtenaw-av. to Vinewood-blvd. Estimated cost, \$5,718.79.

On Lawrence, Catherine and Ann-s.s. from State-st to Ingalls-st. Estimated cost, \$5,442.80.

On Jefferson-st. from Second-st. to Ash ey-st. Estimated cost, \$0,533.45.

In regard to the matter of plans and specifications for a storm sewer on Second-st. from W. Jefferson-st. to W. Madison-st. which was referred to me at your last meeting I beg leave to make the following report.

Upon investigation, I find that there is a 12 in. storm sewer on second-s. running south from W. Jefferson-st. to the low point in second-st. between W. Jefferson-st. and W. Madison-st. Upon inquiry from the residents of the street I find that during a heavy rain the water backs up through the inlets. This is due to the condition of the storm sewer on W. Jefferson-st. The storm sewer on W. Jefferson-st. west of Second-st. is 24 in. in diameter; east of Second-st. the storm sewer is 20 in in diameter, consequently there is more water coming from west of Second-st. than can flow through the sewer east of Second-st. consequently it heads up in the manhole at Jefferson and Second-s.s. and backs up in the sewer on Second-st., flowing out through the inlets until it overflows the sidewalks and flows across private property on First-st.

There is no need of building a larger storm sewer on Second-st. the only remedy is to reconstruct the storm sewer on W. Jefferson-s. from Second-st. to Allen's Creek

An estimate of the cost of re-constructing this sewer is here-with attached.

Sanitary Sewers

On Baldwin-av. from Wells-st. to Granger-av. Estimated cost, \$2,297.79.

On Wildwood-av., from Huron st. sub-Main Sly 260 feet. Esti-mated cost, \$912.45.

On Devonshire Road, Me'rose-av. and Tuomy Road. Estimated cost \$10,053.17.

On Paul-st. Estimated cost \$2,532.25.

On Huron-st., West Park Sub Main from Seventh-st to Doty av. and Westwood Hill Subdivi-sion. Estimated cost, \$20,675.87.

Plans and specifications are on file in my office.

Respectfully submitted,
GEORGE H. SANDENBURGH,
City Engineer.

Moved by Mr. Cole, that the plans, specifications and esti-mates be approved and referred to council.

(Council action)

Referred to Sewer Committee.

From Board of Police Commissioners

Feb 18 1924.

To the Honorab'le, The Common Council of the City of Ann Arbor. Gentlemen:

We beg to report the appoint-ment of Mr. Clyde Orrison as pat-rolman to fill vacancy in the Police Department.

Respectfully, George J. Burke, Secretary, J. E. Swisher, Chair-man, C. R. Snyder. Board of Police Commissioners.

Moved by Ald Donnelly, that appointment be confirmed.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Don-nelly, Spathelf, Moore, Freeman, White Pres. Sugden, 12. Nays, none.

County Clerk's Office,
Feb. 15, 1924.

To the Honorable, the Common Council,
Ann Arbor, Mich.
Gentlemen:

I hereby announce the appoint-ment of George W. Lutz, of 252 Crest-av. Ann Arbor. as Voting Machine Custodian for Wash-tenaw County, in accordance with the Election Laws, to serve until January 1, 1925.

Jay G. Pray, County Clerk, Washtenaw County, Michigan.

I hereby concur in the above appointment for the City of Ann Arbor.

Isaac G. Reynolds, City Clerk.

Moved by Ald. Johnson, that ap-pointment be confirmed.

Adopted by fo llowing vote: Yeas Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Don-nelly, Spathelf, Moore, Freeman, White Pres Sugden, 12. Nays, none.

Proposal from Mr. E. R. Schaf-fer to sell to city for \$4,500.00 lot 78 and lot 77 except the E st 40 fee. of the North 20 feet., White's addition, received and referred to Street Comm ttee and City At torney.

Petitions

Of William J. Mummery to place the block east of Four-teenth-st. and north of Volland-st. in Cass "B" under the Zoning ordinance, received and referred to Board of Appeals

Of Ella L. Wagner, et al, for lateral sewer to be constructed on Wallingford Road from Scottwood to Woodside Road, on Woodside Road from Wallingford Road south approximately 500 feet., on Woodside Road north to Scott-wood, on Scottwood from Wood-side Road west to end of present sewer and on Copley avenue from Woodside Road to Brockman Bvd received and referred to Sewer Committee.

Of Lyle F. Hurd et al., for curb and gutter on Virginia avenue and on Charlton avenue, rece ved and referred to Street Committee.

Committee Reports

Finance Report

Fire Fund.

Charles Andrews salary.	\$ 95.16
Henry McLaren salary..	81.48
Ralph Edwards, salary..	81.48
Jacob Gwinner salary...	77.65
Frank Markey salary ...	74.64
Herman Kruse, salary...	74.64
Em l Damman salary ...	74.64
Mat. Heininger salary...	74.64
Floyd Naylor salary	74.64
Earl Arnold, salary	74.64
Benj. Zahn, salary	74.64
Henry Nevroth salary..	74.64
Arthur Clark, salary	74.64
Clyde Carpenter, salary .	74.64
John Comiskey salary ..	74.64
Chas. Smith salary	67.96
Walter Fieldcamp, salary	67.96

Percy Whitlock, salary ..	67.96	Walter F. Koch Tire Serv-	
Henry Grooms salary...	67.96	ice, repairs	2.75
Geo. Schmidt, salary ...	67.96	The Weiding Shop, repairs	.75
Chas Carroll, salary	42.61		
Eugene Williams, salary.	40.74		
		Municipal Garage total.\$	63.08
Fire Fund total sala-		Engineer Dept.	
ries 1-2 mo. Feb....	\$1 579.96	Jim Acqui, services	\$ 11.40
POLICE FUND.		V. W. McAdam, services.	87.50
Thos. O'Brien, salary ..\$	95.16	W. L. Rye, services	87.50
J. B. Andres salary	79.16	Fred Schmid, services ..	43.20
Frank Keim, salary	79.16		
W. J. April salary	74.64	Total Engineer Dept..\$	229.60
Ed. Blumhardt salary ...	74.64	Banner Laundering Co.,	
M. G. Howard, salary ..	74.64	laundry	\$ 7.20
Joseph Gast, salary	74.64	Varsity Laundry, laundry	.22
Geo Randel, salary	74.64	Willis Bakeslee, services.	75.00
Louis Rohey, salary	74.64	Public Health Nursing As-	
Chas. Kapp, salary	74.64	sociation services	20.50
Carl Arnold, salary	74.64	F. L. Arner, M. D., serv-	
Thos. Fohey, salary	67.96	ices	1.00
Norman Ballard, salary..	67.96	John L. Gates, M. D.,	
Arnold Busch, salary	67.96	services	10.00
Norman Cook, salary	67.96	G. F. Muehlig, M. D.,	
Sherman Mortensen, sal-		services	6.00
ary	67.96	Julius F. Haarer, compen-	
Harold Heizog, salary..	67.96	sation insurance	2,020.55
		Potter, Allshouse & Rich-	
Police Fund total sala-		ards, Inc., liability ins.	886.80
ries 1-2 mo. Feb. ...	\$1,258.36	Burroughs Adding Ma-	
Water works Fund.		chine Co., adding ma-	
Harry Walsner salary ..\$	64.62	chine	294.00
Emanuel Sadt, salary...	77.55	Columbia Refining Co.,	
Fred Linde, salary	68.75	supplies	60.39
Robert Rowe salary	62.50	Eugene Diezgen Co., sup-	
Robert Young, salary....	57.50	plies	21.34
Durward Young, salary..	50.00	Federick Post Co, sup-	
A. E. Hawkes, salary ...	62.50	plies	7.97
Cliff Shetterly, salary...	77.55	J. A. Brown & Son, sup-	
Donna Woodward, salary	57.50	plies	1.98
William Groves salary ..	62.50	Eberbach & Son Co., sup-	
J. C. Ledwidge salary ..	62.50	plies	3.40
		Wm. Goodyear & Co., sup-	
Water Works total		plies	1.25
semi-monthly sala-		The Goodyear Drug Co,	
ries	\$ 703.47	supplies	5.25
Contingent Fund.		Herman J. Hagen sup-	
Frank Marz salary 1-2		plies	3.00
mo.	\$ 74.64	The Mayer-Schairer Co.,	
O. J. Warner, salary 1-2		supplies	18.10
mo	50.00	City of Ann Arbor Munic-	
		pal Garage (Health	
Contingent Fund total		Dept.)	32.38
salaries	\$ 124.64	The Quarry Drug Store,	
Municipal Garage.		supplies	14.15
The Detroit Edison Co.,		Schumacher Hardware	
garage	\$ 2.90	Co, supplies	1.25
Ann Arbor Auto Top Co.		Geo. Wahr, supplies ...	2.70
supplies, etc.	7.00	The Ann Arbor Times	
Ann Arbor Buick Service		News, printing	204.00
Co., supplies	2.64	The Athens Press print-	
Muehlig & Schmid sup-		ing	74.50
plies	2.22	Holland, Ackerman &	
Henry S. Platt, supplies.	3.42	Holland blue print....	4.20
Richards Auto Accesso-		Henry G. Pipp, repairs..	9.90
ries, supplies	41.40	A. C. Stinson repairs...	5.50
		I. G. Reynolds, recording	

deed	1.52
Total supplies etc.....	\$3,794.05
Contingent Fund total,	
including salaries....	\$4,211.37
Street Lighting Fund.	
The Detroit Edison Co., light	\$1,979 65
Water Works Fund.	
Ails-Chalmers Mfg. Co., supplies	\$ 402.73
The C. A. Sauer Co., sup- plies	12.80
The Mayer Scharer Co., supplies	9 50
Michigan Valve & Found- ry Co., supplies	743.05
Staebler Oil Co., supplies	10.00
Staebler & Sons supplies	7.65
Cohoes Rolling Mill Co., supplies	37.86
Eberbach & Son Co., sup- plies	2.35
Sam C. Andres, supplies.	2.36
Detroit Lead Pipe Works, supplies	2,626.75
Davis & Ohlinger, supplies	7.00
James B. Crow & Sons. supplies	34.03
General Electric Co.	115.00
Pruner Coal Co., supplies	385.13
Holland, Ackerman & Holland supplies	346.42
Detroit Edison Co., light and power	1,272.12
The A. P. Smith Mfg Co., services	2.50
John Volz & Son, services	86.85
Wolf & Colvin, services.	8.40
Michigan Bell Telephone Co. services	3.75
City of Ann Arbor Munic- ipal Garage, services and repairs	81.09
Michigan Central Rail- road freight	12.95
Water Works Dept, ex- pense	2.94
Total supplies etc.....	\$6 213.29
L. Gerrick, labor	\$ 62.40
A. Gerstler, labor	62.40
L. Furthmueller, labor...	43 20
W. Western, labor	62 40
A. Jedele labor	60.00
Total labor	\$ 290.40

Water Works Fund to- tal including sala- ries		\$7 207.16
Water Rights		
Holland Ackerman & Holland, services	\$ 710.83	
Louis E. Ayres, services.	730.33	

Cavanaugh & Burke, serv- ices	612.50
Fred Monaghan, services witness	7 40
John Mason, services wit- ness	5.00
Charles Boos, services witness	7.88
J. W. Coyle, services wit- ness	5.00
John Rauschberger, serv- ices witness	5.00
Frank Butterfield, serv- ices witness	5.00
S. W. Groomes, serv ces witness	5.00
W. H. Stevens, services witness	5.00
William Eisenbeiser, serv- ices witness	9.08
Henry Kleinschmidt serv ces witness	10.00
Jay J. Wood, services wit- ness	10.00
John McGregor services witness	5.00
R. T. Brokaw, services witness	10.00
Jay Smith, services wit- ness	5.00
A. D. Groves, services wit- ness	10.00

Water Rights Fund	
total	\$2 158.02

Park Fund.	
Ezra Moore labor	\$ 55.00
Geo. Potter, labor	24.75
Fred Sodt, labor	34.50
Claude Wyman, labor ..	42.75

Total labor	\$ 157.00
City of Ann Arbor Munic- ipal Garage, supplies, etc.	\$ 16.93
Wm. H. L. Rohde, sup- plies	1.50

Total supplies, etc.....	\$ 18.43
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Park Fund total	\$ 175.43
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Street Fund.	
L. G. Bird, labor	\$ 61.60
Fred Hanselman, labor..	67.60
Emanuel Holzapfel, labor	45.60
Karl Janke, labor.....	13.13
Sam. Kalmbach labor ..	7.00
Fred Malke, labor	22.95
James Mason labor	62.40
Chris. Paul, labor	38.00
Chris. Pfau, labor	30.00
Ed. Roehm, labor	36.00
Fred Ulrich, labor	41.60
Martin Walsh, labor	32.00
Chas. Wayman, labor ..	28.00
John Hanselman team ..	6.00

Wm. Hodson, team	10.00
John Moore, team	8.00
John Miller, team	14.00
Guy Munson, team	6.00
Oscar N. Mke, team	12.00
Carl Rehberg, team	6.00
Jacob Young, team	10.00

Total labor	\$ 557.88
Dawson Bros., supplies	.70
Hunter Bros., supplies	5.80
The Mayer-Scharrer Co., supplies	2.85
Stumacher Hardware Co., supplies	8.25
David A. Killins & Sons, gravel	296.00
Wessinger Sign Works, street signs	5.50
Berank & Martin, repairs	2.70
John Volz & Son repairs	1.00
Boof & Colvin, repairs	11.95

Total supplies, etc. \$ 334.75

Street Fund total \$ 892.63

Recapitulation.

Contingent	\$ 4,211.37
Fire	1,579.96
Police	1,258.36
Street Lighting	1,979.65
Water Works	7,207.16
Water Rights	2,158.02
Park	175.43
Street	892.63

Total City Funds \$19,462.58

Ann Arbor, Mich., Feb. 18, 1924.
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 1924. We recommend that same be approved and that warrants be ordered drawn for foregoing accounts.

GEO. L. HAARER,

WM. L. HENDERSON,

Finance Committee.

Ald. Haarer moved the adoption of report, which was adopted by following vote: Yeas. Ald. Johnson, Slouson, Graf, Haarer, Lucas, Henderson, Donnelly, Spat-

helf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Finance Committee Report

To the Honorable, the Common
Council,

Gentlemen:

Your Finance Committee, to whom was referred the request of Mrs. W. V. Brace, President of the Board of Directors of the Old Ladies Home, that the pavement tax on property of Old Ladies Home be omitted, has given the matter careful consideration and finds that the special assessment on said property for pavement on N. State-st. amounted to \$632.10 and the first installment was due last July so there are penalties and interest added to the foregoing amount. We have been unable to find that the city has exempted the special assessments on religious or charitable institutions and do not believe that it can be done legally and we therefore recommend that the petition be denied.

Your Committee further reports that Mr. Gerhard Josenhans has requested that the special assessment of \$25.04 paid by him for construction of curb and gutter along lot 8, Assessor's Plat No. 8, be remitted in accordance with agreement when a seven foot strip of land was deeded to the city to widen Ann-st. We find that Mr. Gerhard Josenhans signed the petition to cause said street to be curbed and guttered and the costs of the said work to be spread and collected in accordance with the provisions of an ordinance entitled "An ordinance relative to curbs and gutters" and we therefore recommend that his request be denied.

Respectfully submitted, Geo. L. Haarer, Wm. L. Henderson,
Finance Committee.

Ald. Haarer moved the adoption of report which was adopted by following vote: Yeas, Ald. Johnson, Slouson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathef, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Ald. Haarer presented City Engineer's estimate, approved by Board of Public Works Feb. 6, 1924, as follows: Lateral Sewer Dist. No. 119, final estimate, Ann Arbor Asphalt Construction Co., contractor, amount due, \$374.74. Moved by Ald. Haarer, that es-

timate be allowed and City Clerk instructed to draw warrant for amount due.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Ald. Haarer presented bills, properly certified for the following amounts, and moved that the City Clerk be instructed to draw warrants as follows: To Archie Russell for refund of tax on lot sold to city \$40.96 from Contingent fund; to L. J. Rouse for refund of overpayment on taxes \$26.00 from Uncollected City Tax fund, and to City Treasurer for taxes on property purchased by City from Mrs. Marion Cooper \$152.68 from Park fund.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Moved by Ald. Haarer, that the City Clerk be authorized to purchase F & E check writer at cost not to exceed \$80.00.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Ordinance Committee

Ald. Johnson presented an ordinance entitled,

An ordinance relative to a sanitary sewer on Third-st. between West Washington and West Huron streets, in the City of Ann Arbor.

Whereas, a sanitary sewer has been constructed on Third street between West Washington and West Huron-sts. for a distance of 232 feet north of the intersection of West Washington-st. and Third-st. and,

Whereas, most of the property in the vicinity of said sewer has been previously assessed for a sanitary sewer and therefore could not again be assessed for such a sewer, and,

Whereas, it would be unfair to the remainder of the property owners in said sewer district to assess the entire cost of said sewer against their property, and,

Whereas, the said sewer was ordered in by the Health Officer of the City of Ann Arbor,

Now therefore, the Common Council of the City of Ann Arbor ordain:

Which was given its first reading by title, passed to and given its second reading and referred to ordinance committee by following vote: Yeas, A. d. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White Pres. Sugden, 12. Nays, none.

Ald. Johnson presented the following ordinance which was given its third reading:

An Ordinance to Amend an Ordinance Entitled, "An Ordinance to require the Board of Water Commissioners of the City of Ann Arbor to lay water mains, pipes or aqueducts upon the petition and payment of the pro rata cost by 25 per cent or more owners of the property to be benefited and to provide for the assessment of the remainder of the property to be benefited thereby and for the collection therefrom of the balance of the cost of such improvement," Passed August 6, 1923; approved August 7, 1923.

The Common Council of the City of Ann Arbor Ordain:

Section 1. That Sections 1 and 2 of an ordinance entitled, "An Ordinance to require the Board of Water Commissioners of the City of Ann Arbor to lay water mains, pipes or aqueducts upon the petition and payment of the pro rata cost by 25 per cent or more owners of the property to be benefited and to provide for the assessment of the remainder of the property to be benefited thereby, and for the collection therefrom of the balance of the cost of such improvement" Passed August 6, 1923; approved August 7, 1923, be and the same is hereby amended to read as follows:

Section 1. In any district within the City of Ann Arbor which is not served by water mains or aqueducts it shall be competent for the owners of 25 per cent or more of the real estate within such district, to present a petition to the Board of Water Commissioners of the City of Ann Arbor, asking that proper water mains, pipes or aqueducts be laid to serve such district. Such petition shall be ac-

companied by a sum of money equal to the petitioner's pro rata share of the total cost of such improvement, which share is hereby fixed at the sum of seventy-five (75) cents for each lineal foot of real estate of such petitioner fronting upon the street or alley where such main or aqueduct is to be laid. Provided, that wherever the owner of a lot facing intersecting streets has paid an assessment on one side thereof he shall be assessed for the other side thirty seven and one half (37 1-2) cents a lineal foot thereof, but in no case shall this basis of assessment be for a greater distance than 132 feet. Upon receipt of such petition the Board of Water Commissioners shall adopt a resolution specifying the streets and alleys through which it shall be found necessary to lay such mains and pipes in order to serve such petitioners and shall proceed to lay the same at the earliest possible moment from funds at its disposal. Provided however, in the event that so large a number of such petitions are filed with the Board as to render impractical the immediate laying of all the mains petitioned for, the Board shall, in its discretion, decide the order in which such mains shall be laid. Provided, further, that any person dissatisfied with such decision of the Board may appeal to the Common Council therefrom. Such resolution shall further contain a list of the lots to be served by such mains or pipes, together with the number of feet front of each such lot and the name of the owner of record of the same. Such resolution shall ratably assess the cost of such improvement upon such lots at the rate of seventy-five (75) cents for each lineal foot fronting upon the street or alley where such main or aqueduct is to be laid except as otherwise provided herein.

Section 2. No application by any person, firm or corporation, except one of the original petitioners therefor, to tap or make connection with any main, pipe or aqueduct laid in pursuance of the provisions of this ordinance shall be granted unless the same is accompanied by a sum of money amounting to seventy five (75) cents per lineal foot of the real estate of such applicant fronting upon the street or alley where such main,

pipe or aqueduct is laid, together with interest at the rate of six per cent per annum upon such amount from the date when such resolution was adopted by the Board of Water Commissioners. Provided, however, that interest shall be at the rate of ten per cent per annum in case of purchase of such assessment by the City Treasurer as hereinafter provided

Section 2. All ordinances or parts of ordinances inconsistent herewith shall be repealed.

Section 3. This ordinance shall take effect and be in force ten days after legal publication thereof.

The Chair put the question, "Shall this ordinance pass?"

Passed by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Ald. Johnson announced that a public hearing would be held Friday, Feb 29, 1924, 7:30 o'clock p. m., at Council Chamber, on proposed ordinance to amend an ordinance relative to fire limits and fires.

Fire Committee

By Alderman Freeman:

Whereas, upon the investigation by the Board of Fire Commissioners and the Fire Committee of the Common Council it appears necessary that the City of Ann Arbor establish an additional fire station for the adequate protection to the people of the city, and,

Whereas, it appears now necessary that additional sites be purchased in the easterly and westerly parts of the City of Ann Arbor, and,

Whereas, there are not sufficient funds with which to purchase the necessary sites, and,

Whereas, the Council is of the opinion that the purchase of the land for the use of the public is a public necessity, and,

Whereas, the cost of purchase of land upon which to erect suitable fire stations and for other public uses will be ten thousand (\$10,000) dollars, and,

Whereas, the funds for the purchase of land are not now at the present time available, now, therefore, be it

Resolved, that a special election be and the same is hereby called and will be held on the Seventh day of April, A. D. 1924, in pursuance of the State Law and the charter of this city, to vote upon the question of raising the sum of ten thousand (\$10,000) dollars by taxation, such funds to be used for the purchase of land to be used for sites for fire stations and other public purposes.

Resolved, further, that said election be held in the several wards of the City of Ann Arbor as follows:

First ward, voting room basement of City Hall; Second ward, ward building on South Ashley-st.; third ward, ward building on Miller-av.; Fourth ward, voting room in basement of Armory, N. Fifth-av.; Fifth ward, ward building corner of Swift and Pontiac-sts.; Sixth ward, voting room, in old engine house, East University- v.; Seventh ward, first precinct, city building on Mary-st.; Seventh ward; second precinct, voting room in Eberbach school, corner Wells-st. and Forest-av.

Resolved, further, that the City Clerk of said City be and is hereby authorized to issue the usual call for said special election pursuant to the State Law and Charter of the City of Ann Arbor and to cause to be printed ballots for the use of the electors at said election, which ballots shall be printed upon white paper of equal width and length and shall read:

For raising the sum of ten thousand dollars by taxation for the purchase of land to be used for sites for fire stations and other public purposes. Yes ()

For raising the sum of ten thousand dollars by taxation for the purchase of land to be used for sites for fire stations and other public purposes No ()

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

By Alderman Freeman:

Whereas, The Board of Fire Commissioners and the Fire Committee have investigated the need of additional motor driven fire apparatus and equipment and is in need of a motor driven combina-

tion service truck and a motor driven combination pumper and other equipment, and

Whereas, The money needed for the purpose of purchasing said additional fire apparatus can be raised only by the issuance of bonds, now therefore, be t

Resolved, That a special election be and the same is hereby called and will be held on the seventh day of April, A. D. 1924, in pursuance of the state law and the charter of this city to vote upon the question of raising the sum of thirty thousand (\$30,000.00) dollars by loan, such funds when raised to be used in the purchase of additional equipment mentioned above, for the fire department and other public purposes.

Resolved further, That said election be held in the several wards of the City of Ann Arbor as follows:

First ward voting room, 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 Armory, North Fifth-av.; Fifth ward, ward building, corner of Swift and Pontiac streets; Sixth ward, voting room in old engine house East University avenue; Seventh ward, first precinct, city building on Mary street; Seventh ward, second precinct, voting room in Eberbach School, corner Wells street and Forest avenue.

Resolved, further, That the City Clerk of said city be and is hereby authorized to issue the usual call for said special election pursuant to the state law and Charter of the City of Ann Arbor and to cause to be printed ballots for the use of the electors at said election which ballots shall be printed upon white paper of equal width and length and shall read:

For the issuance of bonds in the sum of thirty thousand (\$30,000.00) dollars for the purpose of purchasing additional equipment for the Fire Department and other public purposes. Yes ()

For the issuance of bonds in the sum of thirty thousand (\$30,000.00) dollars for the purpose of purchasing, additional equipment for the Fire Department and other public purposes. No ()

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Don-

nelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Park and Sanitary Committee Report

To the Honorable, the Common Council, Gentlemen:

Your Park and Sanitary Committee on February 15th, 1924, received bids for collection and disposal of garbage for a term of three years from and after March 7, 1924, as follows:

- Edward Besch, \$16,200.00 per year;
- John J. Gutekunst, \$30,000.00 per year.

We respectfully recommend the proposal of Edward Besch be accepted and the Mayor and City Clerk instructed to sign contract when approved by City Attorney.

We further recommend that the proposal of Edward Besch to rent the so-called Incinerator Plant and property connected therewith, known as 1515 Fuller-st., for the sum of fifty dollars per month, payable monthly in advance, be accepted; and the Mayor and City Clerk be authorized to sign lease when approved by City Attorney.

Respectfully submitted, Geo. L. Haarer, E. E. Lucas, Park and Sanitary Committee.

Ald. Haarer moved the adoption of report, which was adopted by following vote: Yeas, Ald. S'auson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, White, Pres. Sugden. 10. Nays, Ald. Johnson, Freeman, 2.

Officer's Report

The annual report of the Board of Public Works, consisting of annual reports of City Engineer and Street Commissioner were presented Feb. 4, 1924, and ordered printed in minutes of this meeting.

Ann Arbor, Michigan, January 19, 1924.

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

Gentlemen: I submit herewith a detailed report of the work done in my department during the year 1923.

Very respectfully submitted.

GEO. H. SANDENBURGH

GHS:HD

City Engineer.

Pavements.

Pavements were laid this year

on S. Fourth Ave from Liberty Street to Packard Street; on Geddes Avenue from Washtenaw Avenue to Oxford Road; on S. State Street from Arch Street to Granger Ave. These are all 1 1-2-inch—1 1-2-inch sheet asphalt pavements on a 6-inch cement concrete base. A 60-40 washed aggregate was used for the cement concrete base. The asphalt was Standard Mexican of 50 penetration. The contract was awarded to the Ann Arbor Asphalt Construction Company and work was completed by August 1st, 1923.

Washtenaw Avenue from Oxford Road to the City limits was paved in conjunction with the State Highway Department. It is a 34-foot pavement, the State paying the entire cost of the central 20 feet and the City paying for the 7 feet on either side of the central 20 feet. The contract for the concrete base, curb and gutter and excavation was awarded to Dawson Brothers of Ypsilanti, Michigan, and the contract for the asphalt top to the Ann Arbor Asphalt Construction Company. This pavement is a 1 1-2-inch—1 1-2-inch sheet asphalt wearing surface on a seven-inch cement concrete base. Standard Mexican asphalt cement, having a penetration of 40 to 50, was used. A tabulated list of the cost and distribution of cost of each pavement is given below:

Pavement Dist. No. 52 S Fourth Ave, E. Liberty to Packard St.

Contract cost	\$15,334.85
Drainage	190 88
Inspection	293.03
Engineering & contg.	253.14

Total cost

City share \$3,377.11, which is 21% total cost.

Property share \$12,694.79, which is 79% total cost.

Pavement Dist. No. 53 Geddes Ave., Washtenaw Ave. to Oxford Rd

Contract cost	\$36,983.52
Drainage	221.84
Inspection	697.82
Engineering & contg.	570.30

Total cost

City share \$12,036.86, which is 31.5% of total cost.

SUMMARY OF PAVEM

STREET AND LIMITS	District	Width	Type of Sur- face	Base
Fourth Ave., Liberty St. to Packard St.	52	34	Sheet asphalt	6-in concrete
Geddes Ave., Washtenaw Ave. to Oxford	53	34	Sheet asphalt	6-in. concrete
S. State St., Arch St. to Granger.....	54	34	Sheet asphalt	6-in concrete
Washtenaw Ave., Oxford Rd. to City Lts...	55	34	Sheet asphalt	7-in. concrete
Totals				

NOTE—Sq yds. pavement includes gutter. *Does not include E

Property share \$26,436.62, which is 68.5% of total cost.

Pavement Dist. No. 54 S. State St., Arch St. to Granger Ave.

Contract cost	\$26,223.82
Drainage	41.80
Inspection	395.23
Engineering & contg...	387.45

Total cost\$27,048.30
City share \$7,421.93, which is 27.5% of total cost.

Property share \$19,626.37, which is 72.5% of total cost.

Pavement Dist. No. 55 Washtenaw Ave., Oxford Rd. to City Limits.

Contract cost	\$23,933.39
Drainage	298.59
Engineering & contg..	323.40

Total cost\$24,555.38

This cost is subject to slight change as the final figures for Engineering and Inspection have not been received from the State Highway Department, consequently it is impossible, at this time, to give the distribution of cost.

Curb and Gutter.

The contract for constructing curb and gutter during the season of 1923 was awarded to F. J. Ryan, of Detroit who constructed curb and gutter in curb and gutter Districts 50 to 61 inclusive.

Districts 24 and 28 were left over from the season of 1922 and were constructed by the Michigan Construction Co. of Detroit, Mich.

A tabulated list of the cost and distribution of cost of each curb and gutter District is given below:

District No. 24, Wells St., from Packard St. to Forest Ave.

Contract cost	\$1,158.55
Drainage	25.20
Inspection	41.36
Engineering & contg. ...	61.18

Total cost\$1,286.29
City share \$710.28, which is 55.5% of total cost.

Property share \$576.01, which is 44.5% of total cost.

District No 28, Forest Ave., Cambridge Road to Wells St.

Contract cost	\$1,790.95
Drainage	27.71
Inspection	88.47
Engineering & contg	83.09

Total cost\$1,990.22
City share \$1,128.88, which is 57% of total cost.

Property share \$861.34 which is 43% of total cost.

District No 50, Wall St., Broadway to the Huron River.

Contract cost	\$2,961.70
Drainage	68.32
Inspection	41.42

ENTS BUILT IN 1923

Sq. yds. Pavement	Lin. ft. Curb	Cost of Excavation	Total Cost	City's Share	Property's Share	Total Cost per square yard	Cost Pave. per square yard
4,131.5	2,253	\$ 667.00	\$ 16,071.90	\$ 3,377.11	\$12,694.79	\$3.89	\$3.24
9,641	4,892	2,626.00	38,473.48	12,036.86	26,436.62	3.99	3.24
7,007	3,572	1,479.00	27,048.30	7,421.93	19,626.37	3.86	3.24
5,670	6,149	2,052.00	*23,933.39	.....	.....	*3.22	3.01
26,449	16,866	\$6,824.00	\$105,527.07	\$22,835.90	\$58,757.78	....	....

Engineering and Inspection.

Engineering & contg. ... 148.41

Total cost\$3,219.85

City share \$1,662.27, which is 52% of total cost.

Property share \$1,557.58 which is 48% of total cost.

District No. 51, Division St., Cross St. to Hill St.

Contract cost\$ 520.65
 Inspection 14.16
 Engineering & contg. .. 42.00

Total cost\$ 576.81

City share \$302.18, which is 53% of total cost.

Property share \$274.63, which is 47% of total cost.

District No. 52, White St, McKinley Ave. to N. Line of Cady Add

Contract cost\$ 972.40
 Inspection 23.18
 Engineering & contg. .. 35.83

Total cost\$1,031.41

City share \$550.21, which is 53% of total cost.

Property share \$481.20, which is 47% of total cost.

District No. 53, Onondaga St, Hill St. to Dorset Road.

Contract cost\$ 625.17
 Inspection 9.66
 Engineering & contg. .. 30.71

Total cost\$ 665.54

City share \$350.34, which is 53% of total cost.

Property share \$315.20 which is 47% of total cost.

District No. 54, N. Thayer St., E. Ann St. to Catherine St.

Contract cost\$ 517.70
 Inspection 12.44
 Engineering & contg. ... 30.34

Total cost\$ 560.48

City share \$280.24, which is 50% of total cost.

Property share \$280.24, which is 50% of total cost.

District No. 55, W. Madison St., S. Main St. to S. Ashley St

Contract cost\$ 515.23
 Inspection 15.63
 Engineering & contg. .. 38.32

Total cost\$ 569.18

City share \$317.02 which is 55.5% of total cost.

Property share \$252.16, which is 44.5% of total cost

District No. 56, Brooks St, Miller Ave. to N. Line of Spring Hill Add.

Contract cost\$5,501.84
 Inspection 135.42
 Engineering & contg. .. 299.14

Total cost\$5,936.40

City share \$3,123.99 which is 52.5% of total cost.

Property share \$2,812.41, which is 47.5% of total cost.

District No. 57. Washington Heights.

Contract cost\$2,112.96
 Inspection 55.99
 Engineering & contg. ... 106.09

Total cost\$2 275 04
 City share \$1 137.52, which is 50% of total cost.

Property share \$1,137.52, which is 50% of total cost.

District No. 58. S. Ingal's St., E. Huron St. to E Washington St.

Contract cost\$ 559 16
 Drainage 82.50
 Inspection 12 44
 Engineering & contg. .. 38 41

Total cost\$ 692 51
 City share \$353.10, which is 51% of total cost.

Property share \$339 41, which is 49% of total cost.

District No 59. S. Ashley St W. Jefferson to W. Madison St.

Contract cost\$1,485 37
 Inspection 36.47

Engineering & contg ... 70.52

Total cost\$1,592.36
 City share \$821.29, which is 51.5% of total cost.

Prop rty share \$771.07, which is 48.5% of total cost.

District No. 60 Moore St. Broadway to Pontac St.

Contract cost\$ 903.00
 Inspection 52 88
 Engineering & Contg. .. 85.07

Total cost\$1,040.95
 City share, \$529.78, which is 51% of total cost.

Property share \$511.17, which is 49% of total cost.

District No 61. Catherine St. N. Division St. to N State St.

Contract cost\$1 398.32
 Inspection 31.11
 Engineering & contg. .. 63.79

Total cost\$1,493.22
 City share \$746.61, which is 50% total cost

Property share \$746 61, which is 50% total cost.

SUMMARY OF CURB AN

STREETS AND LIMITS	District No.	Length	Total Cost
Wells St., Packard St. to Forest Av	24	1,284	\$ 1,283 25
Forest Av., Cambridge Rd. to Wells st.....	28	1 898	1,990 22
Wall St., Broadway to River	50	3 089	3 219.85
S Division St., Cross St. to Hill St.....	51	530	576.81
White St, McKinley Av. to South end....	52	953	1,031 41
Onondaga St., Hill St. to Dorset Rd.....	53	646	665 54
Thayer St., Ann St., to Catherine St.....	54	528	560.48
W. Madison St., Main St. to Ashley St.	55	517	569 18
Brooks St. Miller Ave. to N. line Spring Hill	56	5,498	5,936 40
Washington Hgts., Observatory St. to end.	57	2,136	2,275-04
Ingal's St., Huron St. to Washington st....	58	532	692 51
Ashley St., Jefferson St. to Madison St	59	1,413	1 592 36
Moore St., Broadway to Pontac St.....	60	945	1,040 95
Catherine St., Division St. to State St	61	1,379	1 493 22
Totals .....	..	21,348	\$22 930.26
18 inch extra apron cost .35—lin. ft.			

Storm Sewers.

Washtenaw Ave. Storm Sewer:

The contract for this sewer was awarded to Patrick Ryan, Jr. This job consists of several short stretches of sewer put in preparatory to paving the street.

Contract cost\$4 967.83
Engineering & contg. ... 129.00
Inspection 202 37

Total cost\$5,299.20

S State St. Storm Sewer, Dewey Ave to Blvd. Drive, Patrick Ryan, Jr., Contractor.

Contract cost\$1,017.25
Engineering & contg. .. 25 08
Inspection 35.26

Total cost\$1,077.59

Fourteenth St Volland St., Camden Ct. and Geddes Ave. Storm Sewer, Fourteenth St., from Belsir St. to Volland St; Volland St. from Fourteenth St. to Camden Ct.; Camden Ct. from Volland St to Geddes Ave.; Geddes Ave. from Camden Ct. to Observatory St, Patrick Ryan, Jr. Contractor.

Contract cost\$3,094.05
Engineering & contg. .. 53.04
Inspection 137.84

Total cost\$3 284.93

Forest Ave. Storm Sewer, Forest Ave., Cambridge Road to Forest Ct., Wm Eddy & Son, Contractor.

Contract cost\$22,168.88
Engineering & contg. .. 202.44
Inspection 232.68

Total cost\$22,604 00

Onondaga St. Storm Sewer, Hill St. South 150 Feet, Wm Eddy & Son, Contractor.

Contract cost\$ 399.30
Engineering & contg. ... 3.60
Inspection 26.35

\$ 429.25

Fordway Storm Sewer, Moore St. to City Limits Moore St. and Cedar St. Pontiac to Wright St., Wm. Eddy & Son, Contractor.

This sewer was not completed. The cost to Jan. 1, 1924, is given below:

Contract cost\$6,393.68
Eng. Insp. & Contg..... 179.97

Total to Jan. 1, 1924 ..\$6 573.65

S Main St Storm Sewer, Packard to City Limits (South); R. D. Ballew, Contractor. This sewer is completed with the exception of one block from Berkley Ave. to

D GUTTER BUILT IN 1923

City to Pay	Property to Pay	Amount of Contract	Cost per Foot	Contractor
\$ 710.28	\$ 576.01	\$ 1,158.55	\$1 00	Michigan Construction Co.
1,128.88	861.34	1,790.95	1.05	Michigan Construction Co.
1,662.27	1,557.58	2,961.70	1 05	Frank Ryan
302 18	274.63	520.65	1 09	Frank Ryan
550 21	481.20	972.40	1 08	Frank Ryan.
350.34	315 20	625.17	1 03	Frank Ryan
280 24	280.24	517 70	1 06	Frank Ryan.
317 02	252 16	515 23	1 10	Frank Ryan
3,1 3 99	2,812.41	2 501.84	1 08	Frank Ryan
1 137.52	1,137.52	2,112 96	1.07	Frank Ryan.
353 10	339.41	559.16	1 30	Frank Ryan.
821.29	771.07	1,485.37	1 13	Frank Ryan
529.78	511 17	903.00	1 10	Frank Ryan
746 61	746.61	1,398.32	1 08	Frank Ryan
\$12,013 71	\$10,916.55	\$21,023.00	.....

SUMMARY OF STORM SE

STREET AND LIMITS	Size of Main	Length of Main	Length of Inlet Connections	INLETS			
				Regular	Alley	Special	
Washtenaw Ave., Oxford Rd. to Baldwin Av....	22	150	63	4	..	..	3
Washtenaw Ave., Cambridge Rd. to Ferdon Rd.	12	225	350	8	..	..	2
Washtenaw Ave., Wayne St. to Fair Oaks Pk...	15	103	136	4	..	..	2
Washtenaw Ave., Berkshire Rd. to Old City Lts.	12	563	320	12	..	..	3
Washtenaw Ave., Outlets Austin and Fair Oaks	12	310	...	..	..	..	..
Forest Ave., Hill St. to Forest Ct.....	36	2,222	260	13	..	..	9
Forest Ave., At Washtenaw Ave.....	30	37	...	..	..	..	..
S. State St., Dewey Ave. to Boulevard Dr.	12	379.5	130	3	..	..	2
*Broadway. Jones to Cedar and Moore to Creek.....	12 20	1,691 720	272	13	..	..	9
Geddes Ave., Belser St. to Camden Ct	15	454	...	..	..	..	..
Geldes Ave., Volland St. to Observatory...	12	831	253	11	..	..	6
South Main St., Packard St. to Creek.....	12	414	...	..	..	..	..
South Main St., Davis Ave. to Hoover Ave...	22	276	...	..	..	..	..
South Main St., Hoover Ave. to Pauline Blvd.	20	377	...	..	..	..	..
South Main St., Madison St. to Mosley St...	15	588	...	..	..	..	..
South Main St., Mosley St. to Hill St.....	12	436	...	..	..	..	..
South Main St., Outlet of Davis Ave.....	27	48	390	4	..	..	10
Osondaga St., Hill St. to Dorset Rd.....	12	180	27	2	..	..	1
Totals .....	..	10,005	2,201	74	..	..	47

*Moore St., Broadway to Pontiac is not completed.

Fisher Ave. The cost to Jan. 1, 1924, is given below:
 Contract cost \$6,692.49
 Eng. Insp. & Contg..... 361.62

Total to Jan. 1, 1924...\$7,054.11

Storm Sewer Maintenance: This department has spent during the year 1923 for the maintenance and cleaning of storm sewers \$1,135.00. Of this amount \$582.10 was for material and \$552.90 for labor.

Five Per Cent Retained: The

five per cent (5%) retained on storm sewers completed during the year 1922 and paid during 1923 are tabulated below:

Location, Golden Ave., Granger to Woodlawn; amount paid, \$1,441.64; contractor Bartling & Dul Location, Books St., Hiscock to 200 ft. N. of Pearl; amount paid, \$228.73; contractor, Patrick Ryan, Jr. Total, \$1,670.37.

Sanitary Sewers.
District No. 111 Washington Heights: This is an eight-inch

WERS BUILT IN 1923

Manhole	Total Cost	Contract Cost	5 Per Cent Retained	Due	CONTRACTOR
	\$ 5,299.20	\$ 4,481.75	\$ 224.08	Oct. 1, 1924	Patrick Ryan, Jr.
.....	.....	.....	.....	.....	Patrick Ryan, Jr.
.....	.....	.....	.....	.....	Patrick Ryan, Jr.
.....	.....	.....	.....	.....	Patrick Ryan, Jr.
.....	.....	335.42	.....	.....	Patrick Ryan, Jr.
22,604.00	22,168.88	1,087.80	1,087.80	Jan. 7, 1924	Wm. Eddy & Son
.....	.....	.....	.....	.....	Wm. Eddy & Son
1 077.59	1,017.25	50.86	50.86	Oct. 1 1924	Patrick Ryan, Jr.
x6 910.16	x6,730.19	336.51	336.51	.....	Wm. Eddy & Son
.....
3,284 93	3,094.05	154.70	154.70	Oct 15, 1924	Patrick Ryan, Jr.
.....	.....	.....	.....	.....	R. D. Ballew
.....	.....	.....	.....	.....	R. D. Ballew
.....	.....	.....	.....	.....	R. D. Ballew
.....	.....	.....	.....	.....	R. D. Ballew
.....	.....	.....	.....	.....	R. D. Ballew
x7,054.11	x7,436.10	743.61	743.61	.....	R. D. Ballew
.....	.....	10%	.....	.....	.....
429.25	399.30	19.96	19.96	Jan. 7 1924	Wm. Eddy & Son
\$46,659.24	\$45,662.94	\$2,617.52			
xCost to date.					

and ten-inch vitrified pipe sewer and was constructed by the Ann Arbor Asphalt Construction Company.
 Contract cost\$3,675 10
 Engineering & contg. 134.73
 Inspection 66.87
 Total cost\$3,876.70
 Property share.\$3,876.70
 City share 0.00
District No. 119. Henry St., Golden Ave. to Packard St., Wes-

minster Place Ferndale Place and Montclair Place: This is an eight-inch vitrified pipe sanitary sewer. The nature of the ground was so low that the territory could not be sewerred by gravity into existing sewers, and it was necessary to build a pumping station to lift the sewage and eject it into the Golden Avenue sanitary sewer. The equipment in the ejector station is in duplicate and consists of two five-horsepower Wagner

electric motors direct, connected to two 4-inchx5-inch Ingersoll-Rand air compressors, one air receiver, automatic starting equipment and two one hundred gallon per minute Pacific flushtank sewage ejectors. The station is entirely automatic and does not require an operator. The equipment should be inspected once or twice a week. The contract for construction of the ejector pit and house and ejector equipment was awarded to the Ann Arbor Asphalt Construction Company and the sewer was built by the Board of Public Works under the direction of your City Engineer. Many valuable suggestions and ideas of construction were received from Mr. Thos Hutzler, member of the Board of Public Works from the Second Ward.

Cost of Sewer,

Labor	\$4,248.49
Material	2,207.74
Superintendence	323.27
Engineering & contg.	217.57
	<hr/>
	\$6,997.07

Cost of Ejector Station

Contract cost	\$7,494.80
Engineering & contg.	107.62
Suprintendence	4.57
Supplies	194.64
	<hr/>
	\$7,801.63

Total cost	\$14,798.70
City share	\$ 846.00
Property share	\$13,934.80

District No 120, Davis Ave., Wilder Place Hoover Ave and Fifth Street Wm. Eddy & Son, Contractor.

Contract cost	\$5,759.71
Engineering & contg.	90.29
Inspection	99.94
	<hr/>
	\$5,949.94

City share	\$ 333.38
Property share	\$5,616.56

District No 121, Third St., Washington St to W. Huron St., Wm. Eddy & Son Contractor.

Contract cost	\$ 522.25
Engineering & contg.	14.96
Inspection	27.39
	<hr/>
	\$ 564.60

Total cost\$ 564.60
Distribution of cost to be fixed by ordinance.

District No. 122, Grand View Drive, Dexter Avenue to Jackson

Ave., Wm. Eddy & Son, Contractor.

Contract cost	\$1,237.00
Engineering & contg.	27.39
Inspection	27.39
	<hr/>
	\$1,237.00

City share	\$ 564.60
Property share	672.40

District No. 123 Medallion St., (Renamed Seneca S.), Onondaga Street to Oswego St., Ryan Jr., Contractor

Contract cost	7.89
Engineering & contg.	
Inspection	7.89
	<hr/>
	7.89

Total cost	\$1,020.46
City share	\$ 76.00
Property share	\$ 944.46

District No. 124, Maxwell Ave. and Wakefield Ave., Wm. Eddy & Son Contractor.

Contract cost	\$1,354.80
Engineering & contg.	21.00
Inspection	8.54
	<hr/>
	\$1,384.34

Total cost	\$1,384.34
City share	\$ 102.75
Property share	\$1,281.59

District No. 125, Eighth St., South of Liberty St., Patrick Ryan Jr Contractor.

Contract cost	\$3,040.99
Engineering & contg.	131.76
Inspection	153.00
	<hr/>
	\$3,325.75

Total cost	\$3,325.75
City share	\$1,065.50
Property share	\$2,260.25

District No. 126, Cedar and Wright St., Cedar St., Pontiac St. to Wright St., and Wright St., Swift St. to Kellogg St., Wm. Eddy & Son, Contractor.

Contract cost	\$3,556.90
Engineering & contg.	71.04
Inspection	100.00
	<hr/>
	\$3,727.94

City share	\$ 240.10
Property share	\$3,487.84

District No. 127, Daniel St., Hiscock St. to Summit St. Wm Eddy & Son, Contractor.

Contract cost	\$1,182.08
Engineering & contg.	20.81
Inspection	52.17
	<hr/>
	\$1,255.06

Total cost	\$1,255.06
City share	\$ 68.94
Property share	\$1,186.12

District No. 128, S. Seventh St.,

Davis Ave. to Pauline Blvd., Wm. Eddy & Son, Contractor.
 Contract cost\$2,081.28
 Engineering & contg. ... 18 76
 Inspection 55.69

Total cost\$2,155.73
 City share\$ 0.00
 Property share\$2,155.73

District No. 129, Washtenaw Ave., From E. Line Sect on 33 to City Limits, Wm. Eddy & Son, Contractor.

Contract cost\$2,643.64
 Engineering & contg. ... 21.93
 Inspection 41.08

.....\$2,706.65
 City share\$ 145.08
 Property share\$2,561.57

District No. 130, Spring St., From North Line of Lot 12, Hiscock's Improved Plat, to Chubb Road, Wm. Eddy & Son, Contractor.

Contract cost\$3,011.22
 Engineering & contg. ... 54.30
 Inspection 37.50

.....\$3,103.02
 City share\$ 160.07
 Property share\$2,942.95

District No. 131, Berkshire Rd., From East Line Sect on 33 to Angle, Wm. Eddy & Son Contractor.

Contract cost\$1,189.02
 Engineering & contg. ... 15.21
 Inspection 30.11

.....\$1,234.34
 City share\$ 0.00
 Property share\$1,234.34

District No. 132, S. Main St., Old Toll Gate to City Limits, Berkley Ave. S. Main St. to Green St., and Green St., Keech Ave. to Berkley Ave., R. D. Ballew, Contractor.

Contract cost (to Jan. 1, 1924)\$7,378.65
 Engineering, contg. & insp. 446.39
 Total cost to Jan. 1 1924\$7,825.04

This sewer was not completed this year. The contractor has a few house branches to construct in the Spring

District No. 133, Dav's Ave., S. Seventh St. to Hutchins Ave., Wm. Eddy & Son, Contractor.

Contract cost\$1,031.14
 Engineering & contg. ... 9 77
 Inspection 19.57

Total cost\$1,060 48

City share\$ 145.64
 Property share\$ 914.84

District No. 134 S. Fifth St., N. Line of Allmendinger Hgts Add. to Davis Ave., Wm. Eddy & Son, Contractor.

Contract cost\$1,070.16
 Engineering & contg. ... 6.71
 Inspection 19.57

Total cost\$1,096.44
 City share\$ 0.00
 Property share\$1,096.44

District No. 135, Brooks St., End of Present Sewer to North Line of Lot 101 J. B. Gott's 2nd Add., Patrick Ryan, Jr., Contractor.

Contract cost\$ 934.30
 Engineering & contg. ... 12.07

Total cost\$ 946 37
 City share\$ 0.00
 Property share\$ 946.37

Districts No. 136 and 137, Pauline Blvd and Jackson Hgts Add.

These sewers were awarded to Wm. Eddy & Son, but owing to the contracts being let so late in the season these sewers will have to wait over until next year.

E. University Ave. Replacement Sewer: This sewer was built in conjunction with the University of Michigan and runs from E Washington Street across University property to the intersection of E. University Avenue and Washtenaw Avenue, then down the east side of E University Ave. to S. University Ave. It will take all the sewage that formerly flowed south on E. University Ave., thus relieving the sewerage system south of S. University Avenue where the system has been over-taxed for the past few years. The contract for this sewer was awarded to Wm. Eddy & Son.

Contract cost\$4 517.88
 Engineering & contg. ... 75.86
 Inspection 13.95

Total cost\$4,607.69
 Univ. of Mich share of cost, 54%\$2,488.15
 City share of cost, 46%...\$2 119.54

Sanitary Sewer Maintenance: The care and maintenance of sanitary sewers during the year 1923 has cost \$2,294 83. Of this amount \$1,512 93 was for labor and \$781.90 for material. The work done under maintenance of sanitary sewers has consisted of building new manholes and re-

SUMMARY OF SANITATION BUILDINGS

STREETS AND LIMITS	District	No. of House Connections	Length Main	Manholes	Flush tanks	City to pay
Washington Heights, Observatory to River.....	111	26	1,010 10"	10	1	\$.....
Henry Street, Golden to Packard	119	72	2,443	8	1	846.0
Davis, Wilder, Hoover, and Fifth	120	56	2,128	10	2	333.3
Third St, Washington to Huron	121	4	248	0	1	.....
Grand View Dr Dexter to Jackson	122	11	402	1	1	54.2
Medallion St, Onondaga to Oswego	123	7	325	0	1	76.0
Maxwell Ave & Wakefield Soule, West.	124	16	550	0	2	102.7
Eighth St, Liberty St, South	125	27	829	5	1	1,065.5
Cedar St., Pontac to Wright Wright St., Swift's to Kellog	126	29	1,328	6	1	240.1
Daniel St, Hiscock to Summit	127	11	400	1	1	68.9
S. Seventh St., Davis to Pauline	128	19	516	1	1	0.0
Washtenaw Ave., Old to new City Limits	129	12	735	3	0	145.0
Spring St, End present to Chubb	130	37	1,298	5	0	160.0
Berkshire Rd. End present to angle.....	131	8	313	1	1	0.0
S Main St., Green St., & Berkley Ave	132	73	2,722	8	3	Not Co
Davis Ave., Seventh to Huchins	133	8	275	1	1	145.6
Fifth St, End present to Davis	134	12	300	0	1	0.0
Brooks St., End present North 255 ft.....	135	11	277	2	0	0.0
Pauline Blvd., End present to Fifth	136	..	Not completed.			
Jackson Hgts Add., All streets.	137	..	Not completed.			
University Ave., Washington to Washtenaw .....	...	0	569	2	0	2,119.3
Totals	439	17,874		64	19	\$85,357.1

* Distribution of cost to be fixed by Ordinance.
X Cost to date.

RS BUILT IN 1923

	City to Pay	Property to Pay	Amount of Contract	5% Retained on Contract	When Due	Contractor
\$.....	\$ 3,876.70	\$ 3,675.10	\$ 183.75	Oct. 15, 1924	Ann Arbor Asp. Co. Ann Arbor Asp. Co. City Force Acct.	
846.00	13,952.70	.....	.....	
333.38	5,616.56	5,759.71	287.98	Oct. 1, 1924	Wm. Eddy & Son	
.....	.....	503.00	24.40	Sept. 17, 1924	Wm. Eddy & Son
54.20	1,183.74	1,195.70	59.78	Sept. 17, 1924	Wm. Eddy & Son	
76.00	944.46	991.85	49.59	Sept. 17, 1924	Patrick Ryan, jr.	
102.75	1,281.59	1,354.80	67.74	Sept 17, 1924	Wm Eddy & Son	
1,065.50	2,260.25	3,040.99	151.15	Oct. 1, 1924	Patrick Ryan, Jr.	
240.10	3,487.84	3,556.90	177.59	Oct. 1, 1924	Wm. Eddy & Son	
68.94	1,186.12	1,182.08	59.10	Nov. 5, 1924	Wm. Eddy & Son	
0.00	2,155.73	2,081.28	104.06	Sept. 17, 1924	Wm. Eddy & Son	
145.08	2,561.57	2,643.64	132.18	Sept. 17, 1924	Wm. Eddy & Son	
160.07	2,942.95	3,011.22	150.56	Nov 19, 1924	Wm. Eddy & Son	
0.00	1,234.34	1,189.02	59.45	Oct. 1, 1924	Wm. Eddy & Son	
Not Completed					R D Ballew	
145.64	914.84	1,031.14	51.55	Nov 5, 1924	Wm Eddy & Son	
0.00	1,096.44	1,070.16	53.50	Nov. 5, 1924	Wm Eddy & Son	
0.00	946.37	934.30	46.71	Nov 19, 1924	Patrick Ryan, Jr.	
					Wm. Eddy & Son	
					Wm. Eddy & Son	
2,119.54	2,488.15	4,517.88	223.21	Sept. 17, 1924	Wm. Eddy & Son	
\$5,357.20	\$48,130.35	\$37,738.77	\$1,882.30			

moving obstructions from existing sanitary sewers and lowering 250 feet of sanitary sewer on Michigan Avenue

Tapping Sanitary Sewers: The cost of tapping sanitary sewers during the year of 1923 has been \$15.20.

Payments of Five Per Cents Retained: The following is a tabulated list of amounts paid to contractors during the year 1923 for work completed in 1922. The amount is five per cent of the contract cost which is retained for one year to safeguard the City against any expense it may incur in maintaining sewer ditches:

Dist. No. 110; location, Shadford Rd. Packard to Baldwin; amount paid, \$69.96; contractor, Watson & Neko off. Dist No. 112; location, Miller Ave.-West Park Sub-Main; amount paid, \$46.52; contractor, Patrick Ryan, Jr. Dist. No 113; location, John St., Division to Fifth Ave.; amount paid, \$33.15; contractor, Patrick Ryan, Jr. Dist. No 114; location, Vinewood Blvd Wayne to City Limits; amount paid, \$40.75; contractor, Rennie & Dibble. Dist. No. 115; location Dexter Ave, Sta. 925 to City Limits; amount paid, \$188.40; contractor, Wm. Eddy & Son. Dist. No. 116; location, Charlton Ave., Virginia Ave west; amount paid, \$28.25; contractor Rennie & Dibble. Dist. No. 117; location, Abbott Ave., Virginia Ave. west; amount paid, \$27.59; contractor, Rennie & Dibble Dist. No. 118; location, Krause St. Murray to Third St.; amount paid, \$39.80; contractor, Wm. Eddy & Son. Total, \$474.41.

Summary of Sanitary Sewer Districts: A tabulated summary of sanitary sewer districts Nos. 119 to 135 inclusive is given on the following page, with all information in regard to same.

Housing Code.

Class	No. Permits	Total Cost
Dwellings	179	\$1,291,000
Dormitory	1	90,000
Fraternities & Sor.	2	88,000
Apartment House (not started)	1	500,000
Stores and Apartments	3	52,000
Garages	316	158,000
Alterations & Additions	78	84,500

Total number permits 597

The cost to the Engineering Department of handling the Housing Code has been \$772.40.

Automobiles.

The cost of operating the Ford runabout used by this Department during the year 1923 is listed below:

359 gal. gasoline	\$ 66.06
30 qts. oil	5.00
Repairs & maintenance	120.78
Tires	30.00

Total \$221.84

The car was run 5,220 miles, using 359 gallons of gasoline and 30 quarts of oil, giving an average of 14.55 miles per gallon of gasoline and 174 miles per quart of oil. The total operating cost per mile for the year was \$0.0425. Total operating cost per mile in 1922 was \$0.0388 and in 1921 was \$0.0381.

The car is still in good running order, has five good tires and should go through the year 1924 at a less operating cost per mile than it did this year.

The cost of running the Dodge car used by this Department during the year 1923 is itemized below:

556 gallons gasoline	\$100.59
37 quarts oil	6.25
Repairs and maintenance	218.64
Tires	35.75

Total \$361.23

The car was run 5,638 miles, using 556 gallons of gasoline and 37 quarts of oil, giving an average of 10.01 miles per gallon of gasoline and 152 miles per quart of oil. The total operating cost per mile for the year was \$0.0641.

Bridge, Culvert and Crosswalk Fund: The total expenditure out of the Bridge, Culvert and Crosswalk Fund by our Department is itemized below according to the job on which the money was expended:

Storm sewer maintenance	\$ 1,135.00
Forest Ave. storm sewer	22,604.00
Washtenaw Ave. storm sewer	5,399.20
S. State Street storm sewer	1,077.59
Fourteenth St. & Geddes Ave. storm sewer	3,284.93

O n o n d a g a St. storm sewer	429.25
Broadway storm sewer.	6,573.65
S. Main St. storm sewer	7,054.11

Total \$47,557.73

Total Expenditures: The total expenditures of this department is itemized below:

Engineering	\$12,932.61
Clerical	1,260.00
Inspection	4,002.97
Sewer maintenance . . .	2,081.03
Henry St. sanitary sewer	6,645.95
Supplies	5,548.19

Total \$32,470.75

Of the above amount \$18,519.92 was spent on engineering, inspection and contingencies on contract work, Henry St. sanitary sewer, engineering on 1924 construction work, supplies on hand and storm sewer maintenance, leaving a balance of \$13,950.83 that could properly be charged against our 1923 budget, which was \$13,000.00. This shows that we have spent \$950.83 more than allowed in our budget. This was due to the large amount of sidewalks built and lowering the sanitary sewer on Michigan Avenue.

Amount of Construction Work in 1923: During the year of 1923 the Board of Public Works constructed by contract one and five-eighths miles of 3-inch sheet asphalt pavement, four miles of curb and gutter, three and one-half miles of sanitary sewers, two miles of storm sewers and five miles of sidewalks. The amount of public work done this year is the greatest for any one year in the history of the City, the Board of Public Works having charge of public work amounting to \$253,229.90.

Recommendations: I would respectfully recommend that the Dodge car used by this department be traded in for a new Dodge of the same type. This car has been run four years and I feel that it would be economy to get a new car. The volume of work handled by this department is growing steadily each year and I feel that we could handle our work much more efficiently if we had three cars in the department instead of two. I would therefore respectfully recommend that the

department be furnished with an additional car. I would also recommend that the department be furnished with an additional transit and level.

Summary of Sewers, Pavements and Curb and Gutters: The total cost of sewers, pavements and curb and gutters built up to and including 1923 is divided as follows:

Pavements	\$ 730,244.72
Curb and gutters	114,979.35
Sanitary sewers	361,238.21
Storm sewers	290,781.77

Total \$1,497,244.05

The total cost of new pavements curb and gutter and sewers completed in Ann Arbor to date is listed below, according to the year of completion:

Prior to 1900	\$ 176,616.21
1900	28,372.81
1901	3,704.93
1902	36,850.85
1903	34,229.39
1904	5,024.40
1905	18,744.79
1906	12,986.96
1907	34,931.94
1908	10,489.40
1909	11,867.30
1910	24,166.12
1911	82,549.47
1912	20,022.31
1913	54,369.77
1914	51,218.16
1915	51,163.83
1916	57,588.48
1917	58,919.23
1918	13,123.48
1919	60,559.17
1920	152,562.43
1921	120,963.41
1922	184,948.15
1923	191,271.06

Total \$1,497,244.05

There are 18.85 miles of paved streets in Ann Arbor, which is 33.1% of the total streets.

Summary of Monthly Labor Reports.

1. Accounts	\$ 28.66
2. Records	2,418.26
3. Correspondence . . .	111.09
4. Reports, monthly and annual	301.91
5. Committee Board and Council meetings	259.90
6. Inspecting plumbing	69.44
7. Numbering houses . . .	4.76

ALL IMPROVE

LOCATION	Improvement	Contractor
Washtenaw Ave.	Storm sewer.	Patrick Ryan, Jr..
Forest Ave.	Storm sewer.	Wm. Eddy & Son..
xBroadway	Storm sewer.	Wm. Eddy & Son..
Onondaga St.	Storm sewer.	Wm. Eddy & Son..
S. State St.	Storm sewer.	Patrick Ryan, jr..
Geddes Ave.	Storm sewer.	Patrick Ryan, jr..
xS. Main St	Storm sewer.	R. D. Ballew.....
Washtenaw Ave.	Storm sewer.	Patrick Ryan, jr..
Washington Hgts.	Sanit'y sewer	Ann Arbor Constr.
	Sanit'y sewer	Ann Arbor Asphalt
		City Force Acct..
Henry St.		
Davis, Wilder, Hoover and Fifth.	Sanit'y sewer	Wm. Eddy & Son..
Third St.	Sanit'y sewer	Wm. Eddy & Son..
Grand View Dr.	Sanit'y sewer	Wm. Eddy & Son..
Medallion St.	Sanit'y sewer	Patrick Ryan, Jr..
Maxwell and Wakefield Sts.	Sanit'y sewer	Wm. Eddy & Son..
Eighth St.	Sanit'y sewer	Patrick Ryan, Jr..
Cedar and Wright Sts.	Sanit'y sewer	Wm. Eddy & Son..
Daniel St.	Sanit'y sewer	Wm. Eddy & Son..
S. Seventh St.	Sanit'y sewer	Wm. Eddy & Son..
Washtenaw Ave.	Sanit'y sewer	Wm. Eddy & Son..
Spring St.	Sanit'y sewer	Wm. Eddy & Son..
Berkshire Rd.	Sanit'y sewer	Wm. Eddy & Son..
xS. Main St. Green and Berkley.	Sanit'y sewer	R. D. Bollew.....
Davis Ave.	Sanit'y sewer	Wm. Eddy & Son..
Fifth St.	Sanit'y sewer	Wm. Eddy & Son..
Brooks St.	Sanit'y sewer	Patrick Ryan, Jr..
xPauline Blvd.	Sanit'y sewer	Wm. Eddy & Son..
xJackson Hgts. Add.	Sanit'y sewer	Wm. Eddy & Son..
E. University Ave.	Sanit'y sewer	Wm. Eddy & Son..
Wells St.	Curb & Gutter	Mich. Constr. Co..
Forest Ave.	Curb & Gutter	Mich. Constr. Co..
Wall St.	Curb & Gutter	Frank Ryan
S. Division St.	Curb & Gutter	Frank Ryan
White St.	Curb & Gutter	Frank Ryan
Onondaga St.	Curb & Gutter	Frank Ryan
Thayer St.	Curb & Gutter	Frank Ryan
W. Madison St.	Curb & Gutter	Frank Ryan
Brooks St.	Curb & Gutter	Frank Ryan
Washington Hgts.	Curb & Gutter	Frank Ryan
Ingalls St.	Curb & Gutter	Frank Ryan
Ashley St.	Curb & Gutter	Frank Ryan
Moore St.	Curb & Gutter	Frank Ryan
Catherine St.	Curb & Gutter	Frank Ryan
Fourth Ave.	Pavement...	Ann Arbor Asphalt
Geddes Ave.	Pavement...	Ann Arbor Asphalt
S. State St.	Pavement...	Ann Arbor Asphalt
Washtenaw Ave.	Pavement...	Ann Arbor Asphalt
	Sidewalks...	.....
Fire Station	Painting....	Geo Efner
Fire Station (roof)	Painting....	.....
City Hall	Painting....	C. J. Major Co.

Totals
 *Cost to Jan 1, 1923. xNot completed to date.

MENTS IN 1923.

	Total Cost	Engineer's Estimate	Engineering and Inspection	Cost of Construction	Amount Retained
.....	\$ 5,299.20	\$ 3,820.30	\$ 331.37	\$ 4,967.83	\$ 224.08
.....	22,604.00	23,157.53	435.12	22,168.88	1,087.80
.....	*6,910.16	9,509.88	179.97	6,730.19	336.51
.....	429.25	519.91	29.95	399.30	19.96
.....	1,077.59	1,202.85	60.34	1,017.25	50.86
.....	3,284.93	3,419.07	190.88	3,094.05	154.70
.....	7,054.11	9,022.97	361.62	6,692.49	743.61
.....	335.42	335.42	.....	335.42	.....
Co.	3,876.70	2,094.13	201.60	3,675.10	183.75
Const. Co.	14,798.70	8,678.45	325.19	14,473.51	.....
.....	5,949.94	4,905.72	190.23	5,759.71	287.98
.....	564.60	525.25	42.35	522.25	24.40
.....	1,237.94	1,525.97	42.24	1,195.70	59.78
.....	1,020.46	975.64	28.61	991.85	49.59
.....	1,384.34	1,472.90	29.54	1,354.80	67.74
.....	3,325.75	2,586.37	284.76	3,040.99	151.15
.....	3,727.94	3,724.43	171.04	3,556.90	177.59
.....	1,255.06	1,110.89	72.98	1,182.08	59.10
.....	2,155.73	1,502.71	74.45	2,081.28	104.06
.....	2,706.65	2,018.77	63.01	2,643.64	132.18
.....	3,103.02	2,711.94	91.80	3,011.22	150.56
.....	1,234.34	559.68	45.32	1,189.02	59.45
.....	*7,825.04	5,494.72	446.39	7,378.65	819.85
.....	1,060.48	827.31	29.34	1,031.14	51.55
.....	1,096.44	1,059.52	26.28	1,070.16	53.50
.....	946.37	1,162.81	12.07	934.30	46.71
.....
.....	4,607.69	5,292.32	89.81	4,517.88	223.21
.....	1,286.29	1,202.35	102.54	1,183.75	.....
.....	1,990.22	1,759.34	171.50	1,818.66	.....
.....	3,219.85	3,600.85	258.15	2,961.70	.....
.....	576.81	626.45	56.16	520.65	.....
.....	1,031.41	1,156.65	59.01	972.40	.....
.....	665.54	750.75	40.37	625.17	.....
.....	560.48	766.70	42.78	517.70	.....
.....	569.18	635.80	53.95	515.23	.....
.....	5,936.40	6,080.80	434.56	5,501.84	.....
.....	2,275.04	2,468.40	162.08	2,112.96	.....
.....	692.51	617.65	50.85	641.66	.....
.....	1,592.36	1,837.00	106.97	1,485.37	.....
.....	1,040.95	1,198.90	137.95	903.00	.....
.....	1,493.22	1,604.90	94.90	1,398.32	.....
Co.	16,071.90	15,612.00	546.17	15,525.73	.....
Co.	38,473.48	37,909.13	1,268.12	37,205.36	.....
Co.	27,048.30	26,974.58	782.68	26,265.62	.....
Co.	*23,933.39	24,766.72	.....	23,933.39	.....
.....	14,642.32	14,642.32	.....	14,642.32	.....
.....	693.90	693.90	.....	693.90	.....
.....	94.50	94.50	.....	94.50	.....
.....	470.00	470.00	.....	470.00	.....
.....	\$253,229.90	\$246,687.15	\$8,225.06	\$245,004.82	\$5,319.69

8.	Information to the public	672.15		placement sanitary sewer	63.32
10.	Sanitary sewer maintenance ..	1,512.93	263.	Washtenaw Ave. sanitary sewer, S. Univ. to E. Univ.	20.52
10B	Sewer foreman salary	177.95			
11.	Storm sewer maintenance	552.90	266	Washtenaw Ave. storm sewer ..	322.54
12	Cleaning and arranging office..	90.57	267.	Forest Ave. storm sewer	419.41
13.	Cleaning city yards and shed	1.25	276.	White St. curb & gutter, McKinley St. to end.	52.98
17.	Surveying equipment	1.14	278.	Henry St., Montclair Pl., Ferndale, etc., sanitary sewer	4,742.34
19.	Work for Water Department	21.18	280.	Wall St. curb and gutter	217.96
20.	Work for Park Department	37.87	281.	Ann St. storm sewer	2.61
22.	Sidewalk grades..	1,728.28	282.	Catherine St. storm sewer ..	2.61
23.	Curb grades	16.76	283.	Lawrence St. storm sewer ..	1.62
24.	Street lines and grades	852.80	288.	Washtenaw Ave. pavement	378.14
25.	Preliminary estimates	7.10	295.	Fourth Ave. pavement	566.21
58.	Tapping sanitary sewers	15.20	296	S. Division St. curb and gutter	53.33
59.	Sickness and vacations	277.49	297	W. Madison St. curb and gutter	46.06
66.	Directing the work of the department	1,153.47	298.	Brooks-Miller to N. Spring Hill curb and gutter	374.98
66A	Administration ..	16.18	299.	Washington Heights curb and gutter	154.58
67.	Olting and treating roadways..	112.99	300.	Ingalls St. curb and gutter, Huron to Washington.	58.06
77.	Conventions and society meetings	116.17	301.	Ashley St. curb and gutter	92.62
89.	Allen's Creek storm sewer ..	108.73	302.	Moore St. curb and gutter, Broadway to Pontiac St.	124.80
92.	Work for Street Department ..	2.69	304.	Broadway curb and gutter	38.88
100.	Assessor's plats for city	16.20	305.	High St. curb and gutter	39.99
131.	Municipal Garage	24.36	306.	Onondaga St. curb and gutter	33.03
157.	Housing Code	738.15	307	N. Thayer St. curb and gutter	35.20
167.	Sanitary and storm survey and design	7.50	308.	Smoke Inspection Department	341.61
207	S. State St. pavement	679.93	309.	Comfort Station..	13.28
222.	Wells St. curb and gutter, Packard to Forest Ave..	107.86	310.	S. Main St. pavement	106.37
241.	Wells St. curb and gutter, Lincoln to Baldwin Ave.	1.98	311.	Third St. sanitary sewer	39.78
242.	Forest Ave. curb & gutter, Cambridge to Wells St.	171.92	312.	Eighth St. sanitary sewer	280.21
248.	Geddes Avenue pavement	1,166.00			
255.	Washington Heights sanitary sewer	8.99			
262.	University Re-				

313.	Cedar & Wright St. sanitary sewer	165.53	340.	Davis Ave. sani- tary sewer ...	29.34
314.	Testing gravel ...	9.82	341.	Fifth St. sanitary sewer	26.28
315.	Maxwell & Wake- field san. sewer	26.97	342.	N. Main St. storm sewer	3.59
316.	Grand View Drive sanitary sewer.	39.67	343.	Brooks St. sani- tary sewer	12.07
317.	Medallion	26.04	346.	O n o n d a g a St. storm sewer ..	29.95
318.	S Main St. sani- tary sewer ...	446.39	347.	Lulu Ct. sanitary sewer	2.15
319.	S State St. storm sewer	57.63	351.	F r s t St. curb and gutter	3.60
320.	D a v i s, W i l d e r, Hoover & 5th St. san. sewer.	187.65	352.	Ferdon Rd. curb and gutter, G r a n g e r to Brooklyn	1.59
321.	Broadway, Moore and Cedar St. storm sewer..	177.27	353.	Second St., Mos- ley to Liberty, curb and gutter	22.06
322.	B e r k s h i r e Rd. sanitary sewer.	44.30	354.	Sprng St. curb and gutter	28.73
324.	14th, V o l l a n d, Camden Ct. & G e d d e s Ave. storm sewer ..	187.16	358.	Revena Blvd. curb and gutter ...	9.38
327.	S. Ma'n and Jef- ferson St. storm sewer	358.91	359.	F o u r t h St. curb and gutter ...	7.20
329.	Daniel St. sanitary sewer	72.98	360.	Soule Blvd curb and gutter	25.55
330.	Seventh St. sani- tary sewer ...	74.45	364.	S. Fifth Ave. curb and gutter ...	10.47
332.	Washtenaw A v e. sanitary sewer.	63.01	365.	Elder Blvd curb and gutter	18.93
333.	Spring St. sani- tary sewer	88.62	367.	Ashley St. curb and gutter ...	6.39
334.	Devonshire, Mel- rose s a n i t a r y sewer	6.17	369.	Arbor St. curb and gutter	8.68
335.	Zoning ordinance.	71.96	370.	Work for City As- sessor	54.60
336.	Medallion St. gravel road ..	12.16	Total		\$24,714.82

CLASSIFICATION OF EXPENDITURES FOR LABOR DURING 1923

	Engineering	Clerical	Inspection	Sewer Work	Totals
G. H. Sandenburgh	\$ 3,319.32	.....	.....	\$ 30.68	\$ 3,350.00
H. R. Scovill	2,166.81	.....	.....	133.17	2,299.98
V. W. McAdam	2,061.25	.....	.....	1.75	2,063.00
H. E. Disderide .....	.....	1,260.00	.....	.....	1,260.00
W. L. Rye	901.72	.....	946.32	151.96	2,000.00
C. W. Blashill	490.32	.....	256.48	86.03	832.83
H. H. Bartlett	349.14	.....	.....	.90	350.04
H. J. Colyer	202.75	.....	.....	.....	202.75
Julius Lohrke	391.41	.....	213.30	707.79	1,312.50
Fred Schmid	659.65	.....	187.52	16.50	863.67
Wm. Tulledge	9.50	.....	.....	.....	9.50
Wm. Niethamer	558.00	.....	.....	8.70	566.70
Jim Acqui	237.10	.....	.....	624.70	861.80
R. C. Baker	10.25	.....	.....	.....	10.25
R. A. Dodge	242.59	.....	.....	.....	242.59
E. D. Rentschler	286.80	.....	.....	75.90	362.70
Gerritt Demmink	8.00	.....	.....	.....	8.00
F. C. Taylor	60.00	.....	.....	.....	60.00
Geo. Hodgins	50.40	.....	.....	.....	50.40
J. T. Burby	130.50	.....	.....	1.00	131.50
R. W. Teed	103.50	.....	.....	.....	103.50
R. T. Liddicoat	90.00	.....	435.00	.....	525.00
W. P. Foster	55.20	.....	.....	.....	55.20
J. A. Throp	314.40	.....	.....	.....	314.40
C. J. Fery	4.80	.....	.....	.....	4.80

J. C. Warren	4.00	.....	.....	.....	.....
T. D. McAdam	62.00	.....	.....	.....	62.00
D. Snider	6.40	.....	.....	.....	6.40
C. W. Richmond	12.00	.....	.....	.....	12.00
E. L. Davis	4.00	.....	.....	.....	4.00
R. L. Comb	4.00	.....	.....	.....	4.00
C. D. Ellison	38.50	.....	.....	.....	38.50
Paul Parker	29.00	.....	.....	.....	29.00
J. H. Anderson	28.80	.....	.....	.....	28.80
A. W. Santelman	24.00	.....	.....	.....	24.00
A. R. Lewis	9.00	.....	.....	.....	9.00
C. W. Calahan	7.50	.....	.....	.....	7.50
Dominic Acqui .....	.....	.....	.....	215.40	215.40
Geo. Smith .....	.....	.....	.....	7.00	7.00
J. J. Mason .....	.....	.....	.....	7.45	7.45
Chas Paul .....	.....	.....	.....	4.50	4.50
L. G. Bird .....	.....	.....	.....	6.10	6.10
Jas. McDonald .....	.....	.....	.....	1.50	1.50
Fred L. Hanscom .....	.....	.....	384.62	.....	384.62
E. J. Huntington .....	.....	.....	725.00	.....	725.00
Michigan Eng. Lab. ....	.....	.....	854.73	.....	854.73
Labor Account .....	.....	.....	.....	4,438.21*	4,438.21
Totals	\$12,932.61	\$1,260.00	\$4,002.97	\$6,519.24	\$24,714.82

An itemized summary of all public improvements constructed during the year 1923 will be found on the following pages.

*New Construction.

Summary of Expenditures for Office Equipment and Supplies, Sanitary and Storm Sewer Maintenance Supplies.

10. Sanitary sewer maintenance ...	368 23
11. Storm sewer maintenance	577.60
14. Office supplies ...	619.90
15. Office equipment..	13.93
16. Surveying supplies	41.31
17. Surveying equipment	65.42
22. Sidewalk grades...	251.74
23. Curb grades	3.75
24. Street lines and grades	19 61
60. Ford automobile ...	221.84
60A Dodge automobile.	361.23
60B. Emergency car ...	198 21
66. Directing work of department	135 83
157. Housing Code	34 23
Total	\$2,912.85

Engineer's Office: The amount chargeable to your Engineer's office, including all equipment supplies and all the time devoted to running the office by myself and employees, has been distributed as follows:

1. Office accounts ... \$	28.66
2. Office records	2,418.26
3. Office correspondence	111.09
4. Reports, annual and monthly ..	301.91
5. Council, Board and Commtee meetings	259.90
6. Inspecting plumbing and laying tile	69 44
7. Numbering houses.	4.76
8. Information to the public	672.15
12. Cleaning and arranging office .	90.57
13. Cleaning City yard	1.25
14. Office supplies ...	619.90
15. Office equipment..	13.93
16. Surveying supplies	41.31
17. Surveying equipment	66.56
59. Vacations and sickness	277 49
66. Directing work of Department	1,289.30
77. Conventions and Society meetings	248.87
157. Housing Code	772.40
Total	\$7,287.75

SUMMARY OF PAVEMENTS IN THE CITY OF ANN ARBOR

District No.	STREET	When laid	No. sq. yds.	Total cost	Total cost per sq. yd.	KIND
1&2	Main	1898	12,730	\$ 31,375.15	\$ 2.46	Brick on concrete
3	Washington, Ashley to 5th Av.	1899	5,140	11,645.17	2.27	Brick on concrete
4	Huron, Ashley to State	1900	10,791	27,845.38	2.58	Asphalt block on sand
5	State, Huron to Monroe	1902	12,484	31,778.98	2.55	Asphalt block on sand
6	Ann, Main to 4th Av.	1902	1,589	2,860.70	1.80	Brick on sand
7	Liberty, Ashley to State	1903	9,140	24,486.06	2.68	Asphalt block on sand
8	Fourth Av., Huron to Liberty	1903	2,431	6,490.80	2.67	Asphalt block on sand
10	William	1907	7,519	19,092.01	2.54	B'thul h c

9	N. University	1905	5,045	10,720.16	2.03	1.63	Brick on concrete
11	Alley	1908	350	672.74	1.92	1.50	Brick on concrete
12	Maynard	1909	1,883	1,930.13	1.03	.78	Ann Arbor tar-concrete
13	N Fourth Av., Huron to Ann	1910	1,159	1,351.34	1.17	.88	Ann Arbor tar-concrete
14	E. Huron and Twelfth	1910	6,765	6,685.50	.99	.76	Ann Arbor tar-concrete
15	Washington, 5th Av. to 12th.	1910	8,633	8,189.73	.95	.71	Ann Arbor tar-concrete
16	Washtenaw Av.	1911	12,092	12,392.81	1.03	.78	Ann Arbor tar-concrete
17	State, Packard to Arch	1911	2,587	2,672.49	1.03	.84	Ann Arbor tar-concrete
18	S. Main and Packard	1911	20,826	23,172.05	1.11	.78	Ann Arbor tar-concrete
19	N Main, Catherine St. north	1911	10,117	11,110.86	1.10	.82	Ann Arbor tar-concrete
20	Hill and Oswego	1913	5,682	7,726.41	1.36	.93	Ann Arbor tar-concrete
21	Fifth Av.	1911	10,483	11,678.31	1.12	.84	Ann Arbor tar-concrete
22	Alley	1911	293	314.84	1.07	.84	Ann Arbor tar-concrete
23	Alley	1911	920	1,029.38	1.12	.77	Ann Arbor tar-concrete
24	Arch and Thayer	1911	1,833	1,747.35	.95	.77	Ann Arbor tar-concrete
25	State, Monroe to Packard	1911	3,158	3,181.57	1.01	.78	Ann Arbor tar-concrete
26	Mary	1912	2,407	2,703.08	1.12	.89	Ann Arbor tar-concrete
27	Ashley	1912	7,711	9,071.92	1.18	.91	Ann Arbor tar-concrete
28	W Liberty St., Ashley to City Limit	1913	15,612	20,836.90	1.34	.98	Ann Arbor tar-concrete
29	W. Huron St. Ashley to Forks	1913	14,131	19,257.61	1.36	1.01	Ann Arbor tar-concrete
30	Church S., Washtenaw to Prospect	1914	11,832	14,802.93	1.25	0.98	Ann Arbor tar-concrete
31	Hill St. State St to Wash- tenaw Av		Not completed				
32	Ann St Main St. to First St.	1915	2,085	2,740.80	1.33	1.02	Reinforced concrete
33	Jefferson St. Fifth Av. to State St.	1915	4,924.2	8,665.40	1.62	1.30	Asphaltic concrete
34	Division St Detroit to Packard	1915	14,372.5	24,733.97	1.60	1.29	Asphaltic concrete
35	Geddes Ave Oxford to Oswego	1915	3,273.0	5,431.55	1.66	1.19	Reinforced concrete
36	Catherine St. and M Lee Ave.	1916	9,596	22,629.31	2.36	1.95	Brick on concrete base
37	Alley, Blk 2S-R.3E	1918	470	839.29	1.78	1.59	
38	Broadway, Swift St to M. C. viaduct	1919	3,521	14,881.66	4.23	3.55	Brick on concrete base
39	Detroit St., Catherine St to M. C. viaduct	1919 & 1920	7,278.8	31,350.03	4.30	3.37	Brick on concrete.
40	Catherine St. Fourth Ave and Detroit St.	1919 & 1920	6,188	26,419.46	4.26	3.37	Brick on concrete.

41	Jackson Ave. forks to city limits	1919	5,982	19,746.43	3.30	2.38	Asphaltic concrete
42	Thayer St. Huron S to N. University Ave.	1919	2,528	7,648.54	3.03	2.25	Asphaltic concrete
43	E. University Ave, Wash- tenaw Ave. to Hill St.	1919 & 1920	9,043	28,928.46	3.19	2.40	Asphaltic concrete
44	S. University Ave, State St. to Oxford Rd.	1919 & 1920	11,474	39,182.84	3.41	2.40	Asphaltic concrete
45	Alley Blk. 3 S R 3 E	1920	503	1,506.23	3.00		Concrete
46	Alley Blk. 2 N, R 3 E	1921	471	992.57	2.11		Concrete
47	Alley Blk. 3 N, R 4 E	1921	978	1,769.85	1.79		Concrete
48	State St., Huron to Fuller	1922	4,962			2.51	Sheet asphalt
			3,423	29,923.48		3.79	Brick
49	Hill St., Packard to Wash- tenaw	1922	11,806	35,383.57	3.00	2.51	Sheet asphalt
50	Packard St., Granger to City limits	1922	5,602	17,129.92	3.06	2.51	Sheet asphalt
51	Cross St., Packard to Division	1922	811	1,925.32	2.73		Concrete
52	Fourth Ave, Liberty to Packard	1923	4,131.5	16,071.90	3.89	3.24	Sheet asphalt
53	Geddes Ave., Washtenaw to Oxford	1923	9,641	38,473.48	3.99	3.24	Sheet asphalt
54	S. State St., Arch to Granger	1923	7,007	27,048.30	3.86	3.24	Sheet asphalt
55	Washtenaw Ave, Oxford to limits		Not complete		3.01	3.01	
Totals			335,414	\$730,244.72	.....	.....

Note: The pavement between the rails of the street car track on Washtenaw Av. and between the rails and for a distance of 18 inches on either side of the track on Packard and Main Sts is of brick on concrete, and is not included in the above statement.

Note: Cement-sand mortar cushion used on Broadway pavement.

Note: The pavement between the rails of the street car track and for a distance of 18 inches out on either side of the track on W. Huron St. is of brick on concrete and is not included in the above statement

Note: Pavement between car tracks is not included.

Ann Arbor Michigan,
January 14, 1924.
To the Honorable Board of Public Works,

Fred J. Rentschler, Pres.,
Ann Arbor, Michigan

Gentlemen: I submit herewith the annual report of the Street Department for the year ending December, 1923, including care of streets building and repair of sidewalks, extensions, crosswalks, etc., repairing pavements, oiling of streets and maintenance of pavements.

Cleaning Paved Streets.

Labor, teams and motor sweeper	\$7,099.33
Gasoline \$174.03, oil \$32.51	206.54
Repairs and maintenance	286.01
Making brooms for season	160.80
Ann Arbor Water Co. fibre for making brooms	25.11
Freight on fibre	6.54
J. J. Holcomb, brooms and frt.	71.47
	211.01
Depreciation of sweeper.	600.00
Total	\$8,588.80
Motor sweeper used 191 days.	
No. of square yards cleaned during season, 40,725,000.	
Cost of cleaning per 1,000 sq yds., \$0.206.	

Street Work.

Cleaning gutters on dirt streets	\$ 3,700.26
Grading streets with graders and road drags	1,701.54
Gravelling streets:	
Labor	\$2,720.94
A. A. Sand & Gravel Co., gravel	3,444.25
D. A. Killins, gravel	3,013.50
Emil Schallhorn, gravel	835.20
A. R. Cole, gravel	105.00
MERCHANTS DELIVERY, gravel	101.00
	10,219.89
Drawing cinders	1,485.50
Mowing weeds	608.50
Filling washouts on dirt streets	1,744.51
Grading streets	4,368.97
Cleaning alleys	41.27

Cleaning snow from walks	143.56
Drawing snow from streets	79.25
Drawing and burning leaves	523.86
Cleaning crosswalks and sidewalks	337.49
Cleaning ice from gutters and intersections	117.61
Drawing excess dirt on S. Main St., left by Water Co. and sewer contractor	145.15
Lowering manholes on Seventh St and Fifth St.	12.50
Grading roads on Boulevard for Park Department	22.00
Repairing dirt streets..	338.02
Cleaning inlets and culverts	382.09
Digging out trees ordered by Board of Public Works, Cambridge Rd. and Brooks St.	31.70
Drawing filling on Seventh St.	12.80
Sprinkling Dexter Avenue	11.56
Cleaning creek on Hill St and South Division St.	54.64
Draining Golden Ave...	4.20
Repairing culverts	194.32
Cleaning extensions on Washtenaw Ave.	10.20
Cleaning extensions on Fourth Ave. Geddes & S. State St.	3.80
Grading extension on E. Liberty St.	17.26
Transport Truck—	
Gasoline	\$435.45
Lub oil and grease	22.46
Repairs	74.33
Maintenance	130.12
E. M. Wurster, tires	342.54
	1,004.90
Mileage in 1923—	8.890.
Cost per mile, 114-5c	
Federal Truck—	
Gasoline	\$575.98
Lub. oil & grease	32.02
Repairs	199.16
Maintenance	159.40
	966.56
Mileage in 1923—	8.290.
Cost per mile .1165	

Cleveland Tractor No. 1—
 Gasoline\$ 9.42
 Lub. oil90
 Maintenance .. 20.99

Cleveland Tractor No. 2—
 Gasoline\$103.27
 Lub. oil & grease 15.66
 Repairs 203.20
 Maintenance work 58.63

Ford Roadster—
 Gasoline\$ 77.55
 Lub. oil & grease 19.68
 Maintenance ... 72.22
 Emergency car. 10.05

Mileage in 1923—6.715.
 Cost per mile .0252.

Wehr Grader No. 1—
 Gasoline\$121.99
 Lub. oil & grease 16.53
 Rep. & maintenance 88.32

Grader operated 64 days.
Hatfield, Penfield Grader, No. 2—

Gasoline\$244.83
 Lub. oil & grease 15.93
 Rep. & maintenance 66.23

Grader operated 130 days.
Motor Pump—

Gasoline .54; maintenance \$1.30

Scarifying Streets—
 Labor\$909.96
 Repairing flues .. 79.10
 25 gal. C. oil... 18.58
 Coal 145.12
 Repairs 6.71
 Adv for roller man 1.71

Scarifier in operation 56 days

Treating Streets with Calcium Chloride—
 C. chloride and labor\$737.58
 Paid by property owners 385.76

On hand 25 sacks 32.50

City share
Treating Streets with Oil—

Paid for 5 cars oil\$3,753.60
 Oil on hand 7,000 gal .. 680.00
 Repairs on oil distributor .. 47.95
 Coal for heating oil 37.12
 Rep. on distributor 9.47
 Unloading oil & apply and superintendence 692.31

31 31

380.76

179.50

226.84

326.99

1.84

1 161.18

319.32

Paid by prop. owners 5,082.56

City share 137.89

Spreading Tarvia on Concrete Pavements.

Two tanks Tarvia A\$1,880.34
 Freight on Tarvia 154.66
 11 cars Bird's-eye 410.38
 Freight on above 318.05
 Demurrage ... 28.00
 1 bbl Creosote & frt. 17.54
 Unloading Bird's-eye .. 326.70
 Applying Tarvia 76.46
 Coal 41.96

3,566.53

About 79,172 sq. yards covered, cost sq. yd. 04 1-2.

Repairing Pavement with Tarvia XC.
 26 bbl. Tarvia XC\$226.28
 Freight on Tarvia 30.14
 Team & labor... 407.27

663.69

No. yds. gravel hauled in 1923 8,564 yds.

Total\$35 279.81

Sidewalks, Extensions, Crosswalks and Culverts.

Labor for sidewalk extensions\$ 1,387.75
 Cement used, 661 sacks. 409.82
 Sand and gravel 291 yards @ \$2.25 452.25
 Labor, constructing 65 new crosswalks and relaying 665.68
 Cement used 269 sacks 179.78

SUMMARY OF CURBS AND GUTTERS IN THE CITY OF ANN ARBOR

District No.	STREET AND LIMITS	Year Built	Length	Total Cost	Amount of Contract	Cost per Foot	CONTRACTOR
1	Lawrence St., Division St. to State St.	1919	1,284.7	\$ 1,000.00	\$ 963.58	\$0.78	Thos. Hessian
2	Oxford Road, Geddes Av. to Hill St..	1919	1,273.8	1,071.67	1,019.04	.84	Thos. Hessian
3	Forest Ave., Willard St. to Hill St...	1920	1,118.0	1,416.16	1,341.60	1.26	Thos. Hessian
4	Hill St., Lincoln to Washtenaw.	1920	1,080.0	1,417.50	1,296.00	1.31	Thos. Hessian
5	Cambridge Road, Lincoln Ave to Bald- win Ave.	1920	1,412.0	1,841.37	1,694.40	1.30	Thos. Hessian
6	Martin Place, Scott Alley to Wells St.	1920	997.0	1,244.72	1,196.40	1.24	A. F. Thompson
7	Hill St., Oswego St. to Berk- shire Rd.	1920	1,706.0	2,217.14	2,047.20	1.29	A. F. Thompson
8	East University Ave., Hill to Oakland Ave...	1920	1,186.5	1,481.88	1,423.80	1.25	A. F. Thompson
9	Forest Ave., S. University Ave. to Willard	1920	852.0	1,080.00	1,022.40	1.27	Thos. Hessian
10	S 6th St., Liberty St N. to End.	1921	1,008.0	1,248.97	1,108.80	1.24	Thos. Hessian
11	Kingsley St. and Law- rence St., State to Lawrence to Catherine	1921	1,668.5	2,050.89	1,835.35	1.23	Thos. Hessian
12	Olivia Ave., Cambridge Rd. to						

13	Granger	1921	3 810.0	4,457.13	4,191 00	1.17	Thos. Hessian
	Baldwin Ave., W a s h t e n a w Ave. to Cambridge	1921	742.5	911.82	816.75	1.23	Thos. Hessian
14	Ferdon Rd., Wells St to Norway Rd.	1921	475.0 c&g 254 0 c	638.98	475.00 127.00	1.08	Sydnae Gustin & Co.
15	Dewey Ave., State St. to Packard St.	1921	2,689.5	2,916.11	2,689.50	1.08	Sydnae Gustin & Co.
16	Lincoln Ave., Hill St. to Wells St...	1921	3,876.3	4,183.79	3,876.30	1.08	Sydnae Gustin & Co.
17	Elm St., So. University Ave. to Geddes	1921	1,360.0	1 542.22	1,360.00	1.13	Sydnae Gustin & Co.
18	Minerva Rd., Olivia Ave. to Forest Ave	1921	771.5	806.49	771.50	1.05	Sydnae Gustin & Co.
19	McKinley Ave., Packard St. to White St.	1921	999 0	1,126.38	999.00	1.13	Sydnae Gustin & Co.
20	Prospect St., Wells St. to E. Univ. Ave.	1921	1,870 0	2,042.96	1,870.00	1.09	Sydnae Gustin & Co.
21	Wells St., Forest Ave. to Olivia Ave.	1921	884.0	810.97	724.88	92	Sydnae Gustin & Co.
22	Granger Ave., Packard St. to Ferdon Rd.	1921	4,346.5	3,900.62	3 564.13	.90	Sydnae Gustin & Co.
23	Cambridge Rd., Baldwin Ave. to Wash- tenaw	1921	705 0	626.52	578.10	.89	Sydnae Gustin & Co.
24	Wells St., Packard St. to Forest Ave.	1923	1,284.0	1,286.29	1,158.55	1.00	Michigan Constr. Co.
25	Willard St., Forest Ave. to Church St.	1922	664.0	741.65	635.80	1.12	Michigan Constr. Co
26	Seventh St., North, Miller Ave. to Huron St.	1922	3,133 0	3,187.93	2,890.85	1.02	Michigan Constr. Co.
27	Seventh St. South, Huron St to Madison St.	1922	5 389 0	5 742.24	5 103 41	1 06	Michigan Constr. Co.
28	Forest Ave., Cambridge Rd. to						

Wells St. 1923 1,898.0 1,990.22 1,790.95 1.05 Michigan Constr. Co.

29	Wells St.	1923	1,898.0	1,990.22	1,790.95	1.05	Michigan Constr. Co.
	First St., Jefferson St. to Wil- liam St.	1922	1,312.0	1,317.89	1,218.05	1.00	Michigan Constr. Co.
30	Third St., Washington St. to Lib- erty St.	1922	1,118.0	1,131.41	1,051.45	1.01	Michigan Constr. Co.
31	Kingsley St., Main St. to First St. ...	1922	1,069.0	1,093.64	1,013.98	1.02	Patrick Ryan, Jr.
32	Ashley St., Miller Ave. to Felch St.	1922	2,126.0	2,159.48	2,006.75	1.01	Patrick Ryan, Jr.
33	Maynard St., Williams St. to Jeffer- son St.	1922	1,064.0	1,145.40	1,007.55	1.07	Patrick Ryan, Jr.
34	Crest St., Huron St. to End	1922	2,115.0	2,277.27	2,006.85	1.08	Michigan Constr. Co.
35	White St., Arch St. to McKinley St.	1922	706.0 (c&g) 218.0 (g) 915.11	..... 915.11	..... 780.84	1.12	Patrick Ryan, Jr.
36	Brookwood Pl., Packard St. to End. ...	1922	1,042.0	1,081.37	986.45	1.04	Patrick Ryan, Jr.
37	Ingalls St. & Law- rence St., Catherine St. to Thayer St.	1922	1,095.0	1,127.71	1,014.90	1.03	Patrick Ryan, Jr.
38	Washington St., Ashley St. to Ravena Blvd.	1922	8,156.0	8,749.36	7,707.41	1.07	Michigan Constr. Co.
39	Third St., Liberty St. to Mosley St.	1922	4,350.0	4,939.06	4,246.45	1.13	Michigan Constr. Co.
40	Wilmot St., Washtenaw Ave. to Elm St.	1922	1,354.0	1,394.08	1,292.85	1.03	Michigan Constr. Co.
41	Murray Ave., Washington St. to Lib- erty St.	1922	1,433.0	1,645.53	1,379.55	1.15	Michigan Constr. Co.
42	Fountain St., Felch St. to Hiscock St.	1922	662.0	686.32	633.00	1.04	Patrick Ryan, Jr.
43	Ann St., State St. to Division St.	1922	1,408.0	1,436.72	1,342.80	1.02	Patrick Ryan, Jr.
44	Forest Ave., Cambridge Rd. to Hill St.	1922	1,861.0	1,866.61	1,710.20	1.00	Michigan Constr. Co.
45	Division St., Madison St. to Cross St.	1922	1,117.0	1,177.19	1,096.98	1.05	Patrick Ryan, Jr.

46	Walnut St., Geddes Ave. to S. Uni- versity Ave.	1922	1,219.0	1,316.17	1,159.10	107	Michigan Constr. Co.
47	Oxford Rd., Hill St. to Washtenaw Ave.	1922	1,251.0	1,346.12	1,113.50	1.08	
48	Hill St., Packard St. to Main St.	1922	3,735.0	3,802.01	3,530.60	1.02	Patrick Ryan, Jr.
49	Michigan Ave., Wells St. to E. Univer- sity Ave.	1922	1,751.0	1,734.53	1,665.99	.99	Patrick Ryan, Jr.
50	Wall St., Broadway to River ..	1923	3,080.0	3,219.85	2,961.70	1.05	Frank Ryan
51	S. Division St., Cross St. to Hill St. ..	1923	530.0	576.81	520.65	1.09	Frank Ryan
52	White St., McKinley Ave. to South end	1923	953.0	1,031.41	972.40	1.08	Frank Ryan
53	Onondaga St., Hill St. to Dorset Rd.	1923	646.0	665.54	625.17	1.03	Frank Ryan
54	Thayer St., Ann St. to Catherine St.	1923	528.0	560.48	517.70	1.06	Frank Ryan
55	W. Madison St., Main St. to Ashley St..	1923	517.0	569.18	515.23	1.10	Frank Ryan
56	Brooks St., Miller Ave. to N. line Spring Hill	1923	5,498.0	5,936.40	5,501.84	1.08	Frank Ryan
57	Washington Hgts., Observatory St. to E end	1923	2,136.0	2,275.04	2,112.96	1.07	Frank Ryan
58	Ingal's St., Huron St. to Washing- ton St.	1923	532.0	692.51	559.16	1.30	Frank Ryan
59	Ashley St., Jefferson St. to Madi- son St.	1923	1,413.0	1,592.36	1,485.37	1.13	Frank Ryan
60	Moore St., Broadway to Pontiac St.	1923	945.0	1,040.95	903.00	1.10	Frank Ryan
61	Catherine St. Division St. to State St.	1923	1,379.0	1,493.22	1,398.32	1.08	Frank Ryan
Totals			107,839	\$114,979.35	\$104,636.04	.....

SUMMARY OF SANITARY SEWERS IN THE CITY OF ANN ARBOR

District No.	STREET	Date	Total length of Main	No Manholes	No. Flush Tanks	No. Light Holes	8 inch Tile	10 inch Tile	No. of House Connections	Length of House Connections	Flush Tank Chgd. to Manhole	Total Cost
								15 in. 9 154-24"				
1	Main sewer	1893	16,915	61	0	0	6,445	1,320-18"	120	.....	..	\$ 41,252.33
2	Liberty, E. of main sewer	1894	2,790	9	1	4	235	2,555	82	.....	..	3,954.44
3	Washington, E. of main sewer	1894	3,162	13	0	2	681	2,927	97	.....	..	6,831.08
4	Hill St. dis. E. of main sewer	1895	681	1	1	0	300	3,600	20	.....	..	27,912.80
5	Huron, E. of main sewer	1895	3,900	15	0	6	345	2,454	33	.....	..	4,303.19
6	William, E. of main sewer	1895	2,799	14	0	4	300	300	58	.....	..	8,454.98
7	Detroit	1897	300	1	0	0	1,804	.....	5	.....	..	12,587.00
8	W. Liberty, to near Seventh	1897	1,804	5	1	5	631	.....	66	998	..	1,887.84
9	E. Catherine Division to State	1900	631	..	1	1	1,370	.....	22	256	..	527.43
10	Ann, Huron 13th and 14th	1901	1,370	4	2	..	1,266	.....	50	988	..	2,163.46
11	14th and Volland	1901	1,266	3	1	..	613	305	35	630	..	1,541.47
12	First, Madison to Jefferson	1903	918	3	1	..	583	344	27	508	..	1,169.51
13	W. William St.	1903	1,527	4	1	..	2,706	1,498	40	678	..	2,083.02
14	Beakes, 4th Ave., 5th Ave., Kingsley	1904	4,204	8	7	..	1,393	.....	137	2,316	..	5,024.40
15	N. Main, main sewer to Cathline	1905	1,393	3	2	..	1,487	.....	69	1,444	..	2,322.48
16	Cambridge, Washtenaw, Vine-wood Ferdon	1905	1,487	4	2	..	1,352	.....	28	707	..	1,735.64
	Liberty extension to city limits	1906	1,352	3	1	..	.....	.....	40	726	..	1,265.68

17	3rd, William to Jefferson.....	1905	602	1	1	..	602	....	19	328	..	590.84
18	W. Huron	1906	3,509	8	1	..	2,942	567	102	2,066	..	4,111.52
19	Church	1906	444	1	1	..	444	....	22	376	..	574.76
20	Miller Av.	1906	2,224	9	1	..	1,737	487	57	987	..	2,147.27
21	Spring, Miller to Hiscock.....	1907	1,252	4	..	..	688	564	*32	....	..	1,070.92
22	W. Washington and 3rd.....	1907	2,834	8	2	..	2,834	....	*88	....	..	2,369.03
23	S. Division (Note).....	1906	200	..	1	..	200	....	8	160	..	250.00
24	Geddes Av., Hill and Oswego..	1907	1,730	5	2	..	1,730	....	*30	....	..	1,530.50
25	State and Dewey Av.....	1907	3,134	3	2	..	2,882	242	*88	....	..	2,186.57
26	Broadway and Wall St.....	1907	5,682	20	2	..	3,571	2,111	*143	....	..	4,989.01
27	Second Ward	1908	11,470	24	13	..	3,540	1,930	*337	....	..	8,035.98
28	Belser, Observatory, Volland..	1907	2,380	4	3	..	2,380	....	*39	....	..	1,895.50
29	Spring St. extension.....	1908	896	3	1	..	896	....	*26	....	..	632.32
30	E. Catherine and Clark.....	1908	1,498	3	2	..	1,498	....	*38	....	..	1,148.36
31	Fuller and Elizabeth.....	1907	1,080	2	2	..	1,080	....	*22	....	..	943.60
32	S. Main, Mosley, Ashley.....	1909	3,679	8	3	..	3,108	571	*98	....	..	2,229.03
33	Arch, White, McKinley.....	1909	1,458	3	..	..	....	1,458	*58	....	..	513.49
34	Packard, Granger, Ferdon...	1909	10,128	27	7	..	7,030	3,098	*376	....	..	6,300.06
35	Second, William to Liberty...	1909	321	..	1	..	321	....	*12	....	..	240.69
36	N. 5th Av. and E. Summit....	1910	891	2	2	..	891	....	*27	....	..	741.30
37	Cambridge Washtenaw to Hill	1910	1,200	3	2	..	1,200	....	*34	....	..	911.39
38	Hill, Division to Main.....	1910	1,320	3	1	..	1,320	....	*40	....	..	1,037.00
39	Fuller Glen to State.....	1910	1,197	3	1	..	1,197	....	*19	....	..	815.93
40	Ashley, Kingsley to Ann.....	1910	771	2	1	..	771	....	*30	....	..	667.77
41	Felch, Fountain, Hiscock, Chapin and Cherry.....	1910	4,070	8	6	4	3,328	742	*122	....	..	3,229.79
42	N. Main, Summit to A. A. R. R.	1911	651	2	1	..	651	....	17	230	..	680.14
43	4th Av., Beakes to Summit....	1911	869	2	1	..	869	....	*31	....	..	646.55
44	Depot, 4th Av. to Main.....	1911	335	..	1	..	335	....	*9	....	..	204.26
45	White and McK nley.....	1911	345	1	1	..	345	....	*18	....	..	247.32
46	Olivia Av. and Minerva Rd...	1911	733	2	1	..	733	....	*29	....	..	538.53
47	E. Ann Glen to Ingalls.....	1911	655	1	1	..	655	....	*28	....	..	532.71
48	Murray Ave., Washington to Liberty	1912	724	4	1	1	738	....	27	350	..	1,009.62
49	Olivia Av. N. of Minerva Rd..	1912	157	..	1	1	166	....	8	102	..	301.02
50	Myrtle, Oswego to city limits..	1912	651	1	1	1	668	....	17	370	..	1,795.69
51	Summit St., Main to Spring...	1914	1,295	5	1	1	1,302	....	*41	....	..	1,158.57
52	Hiscock St., Fountain to Miner	1913	372	..	1	1	378	....	*14	....	..	318.41

53	Crest Av. and W Washington.	1914	1,774	4	3	3	1,798	....	66	1,006	1	2 432.81
54	W. Liberty to city limits.....	1913	464	1	1	1	472	....	24	382	1	1,101.54
55	Austin Av. to Washtenaw Av..	1914	2 486	9	2	2	2,494	....	*78	.....	..	3,862.29
56	Third Ward	1914	7,186	22	8	8	6,832	430	*244	.....	..	7,655.78
57	Geddes Av., Oswego to 210' E.	1914	276	..	1	1	281	....	6	80	1	574.29
58	W. Huron St. to end of pav't..	1913	75	..	1	1	82	....	3	12	1	187.06
59	Ann St., Clark to Observatory.	1913	610	1	1	1	614	....	*18	.....	..	765.61
60	Brown St., 4th Av. & Philip St.	1914	2,551	7	3	3	2,576	....	*93	.....	..	2,902.70
61	E. Catherine, Detroit and 4th.	1914	2,622	9	4	4	2,626	....	73	1,326	..	4 863.19
62	E. Catherine, Clark to 100' E..	1914	101	..	1	1	104	....	*5	.....	..	155.14
63	Sixth, Seventh and Eighth Sts	1914	3,146	12	5	5	696 C.I. 2,372 T.	....	88	1,330	..	4,658.28
64	Third Fourth and Fifth Sts...	1914	647	1	3	3	36 C.I. 628 T.	....	*31	.....	..	750.98
65	Packard St.	1914	428	1	..	..	428	....	*11	.....	..	271.15
66	First St., Catherine to Ann...	1914	225	..	1	1	231	....	*10	.....	..	423.80
67	Moore St., Broad'y to Pontiac.	1914	545	2	1	1	546	....	*16	.....	..	634.22
68	Seventh, Bath and Willow Sts.	1915	4,523	21	6	0	3 735	788	*77	.....	..	3,593.14
69	Mosley St., Second to Third St.	1916	250	..	1	1	222	....	*14	.....	1	250.63
70	West St., from Main St. W....	1916	552	3	1	..	504	....	*24	.....	..	622.18
71	Roose'dt Av., Church to Forest	1916	222	..	1	..	204	....	*9	.....	..	204.92
72	Hamilton, Rose & Sheehan add.	1917	10,297	33	9	..	6,014	3,661	*311	.....	..	16 293.03
	Olivia Av., from Wells St N.	1915	188	..	1	1	188	....	*6	.....	..	150.21
73	Eber White addition.....	1916	1,766	10	2	..	1,670	....	48	1,064	..	2,663.82
74	Lincoln St. 4th Av. to Main..	1916	564	2	2	..	524	....	*20	.....	..	640.89
75	Hill, Onondaga, Geddes, Berkshire	1917	1 366	6	2	..	1,312	....	*27	.....	1	2,499.17
76	Washington St., 12th to 14th.	1917	646	3	1	2	12 C.I. 340 V.I. 250 15"	....	*22	.....	..	862.93
77	John K. Ave. to First St.....	1916	995	4	2	..	923	....	*36	.....	..	1 082.34
78	Fifth St., South of Madison...	1916	882	3	1	..	806	....	*38	.....	..	874.80
79	Hiscock St., Summit to Spring	1916	1,080	6	1	..	1,002	....	*39	.....	..	1,251.27
80	7th St., Liberty to Jefferson..	1917	1,374	6	2	..	1,310 V.I. 12 C.I.	....	*26	.....	..	1,204.50
81	Wells St., Baldwin to Ferdon..	1917	368	3	1	..	336	....	*16	.....	..	485.85
82	Packard and Brooklyn.....	1917	3,307	11	2	..	3,073	....	*117	.....	..	4,165.25
83	Eighth St., Huron to Wash...	1917	210	..	1	..	198	....	*6	.....	..	339.01
84	Killins Heights add.....	1917	5,324	14	8	..	4,932	....	*196	.....	1	7,218.53

85	Eber White and Soule Blvd...	1917	1 144	7	..	..	1,082	....	*34	.....	..	2,035.79
86	West Hoover Av.....	1918	447	4	..	..	415	.....	*16	.....	..	990.66
87	Ninth St., Huron St South....	1918	216	..	1	..	200	.....	*8	.....	..	309.14
88	Jackson Av. Forks to Limits..	1919	1,945	7	1	0	1 945	0	85	1,126	1	2,401.97
89	Jones and Mill Sts.....	1920	530	2	1	0	530	0	7	.....	0	1,233.00
90	Berkshire Rd. and Orchard St.	1920	880	4	1	0	880	0	20	.....	0	2,534.09
91	E. Hoover Av.....	1920	355	1	1	0	355	0	10	.....	0	711.25
92	Edward St.	1920	240	2	0	0	240	0	*5	.....	0	526.37
93	7th St., Wash. to Huron St...	1919	146	1	0	0	146	0	2	2	0	303.79
94	Boulevard Drive	1919	1,017	5	0	0	1,017	0	1	.....	0	2,215.81
	Dexter Av.	1919	168	1	0	0	168	0	2	24	0	101.00
95	Pauline Blvd.	1920	216	1	0	0	216	0	8	.....	1	687.71
96	Fifth Av. South Madison....	1920	250	3	0	0	250	0	1	.....	0	632.99
97	Day St, Cambridge to Wayne.	1920	556	4	0	0	556	0	1	.....	0	1 609.73
98	Soule Blvd., Maxwell to Elder.	1921	494	3	1	0	466	0	14	.....	0	1,426.88
99	Elder Blvd. Buchanan to Soule	1921	690	2	0	0	648	0	21	.....	0	1,629.16
100	Lutz Av., Elder to Eber White	1921	310	2	0	0	284	0	13	.....	0	890.34
101	Pontiac Rd., Moore to city lts.	1921	2,589	10	1	0	2,431	0	79	.....	1	6,672.31
102	Onondaga, Hill to Dorset....	1921	359	2	0	0	347	0	6	.....	0	957.41
103	7th St., Madison to Davis....	1921	1,412	4	0	0	1,310	0	51	.....	1	3,545.36
104	Day St, Wayne to Berkshire.	1921	416	2	0	0	390	0	13	.....	0	989.31
105	Morton Av., Pack'd to Baldw'n.	1921	1,068	6	0	0	1,000	0	34	.....	0	2,336.57
106	Dexter Av., pavement west 450'	1921	454	3	0	0	430	0	12	.....	0	1,153.58
107	Woodlawn Av., Packard to In-											
	galls	1921	921	3	1	0	841	0	40	.....	0	1 516.29
108	Sylvan Av., Packard to White.	1921	700	4	1	0	646	0	27	.....	0	1,057.81
109	Dexter Av. extension 300'....	1921	300	2	0	0	280	0	10	.....	0	770.84
110	Shadford Rd., Packard to											
	Baldwin	1922	794	2	0	0	742	0	26	.....	0	1,557.65
111	Washington Hgts., Observa-											
	tory to River.....	1923	2,216	10	1	0	1 206	1,010	26	.....	0	3,876.70
112	Miller Av.-West Park sub											
	main	1923	813	3	0	0	439	374	0	.....	0	1 002.51
113	John St., Division to 5th Av...	1923	464	2	1	0	432	0	16	.....	0	754.48
114	Vinewood Blvd., Wayne to											
	city limits	1923	490	2	0	0	466	0	12	.....	1	875.52
115	Dexter Av., 9x25 to city limits.	1923	1,137	5	0	0	1,069	0	34	.....	..	3,950.10
116	Charlton Av., Virginia, West.	1923	420	2	0	0	392	0	14	.....	..	605.33
117	Abbott Av., Virginia West...	1923	414	2	0	0	388	0	13	.....	..	588.73

118 Krause St., Murray to Third..	1923	445	2	1	0	411	0	17	.....	..	908.57
119 Henry St., Golden to Packard.	1923	2,443	8	1	0	2,443	0	72	.....	0	14,798.70
xWildwood Ave. Dexter North.	.....	265	0	1	..	.....	.....	...	.....	..	450.00
		15 in.									
University relief	1923	569	2	0	0	.....	569 15"	0	.....	0	4,607.69
120 Davis, Wilder. Hoover Fifth .	1923	2,128	10	2	0	2,128	0	56	786	0	5,949.94
121 3rd St., Washington to Huron	1923	248	0	1	0	248	0	4	16	0	564.60
122 Grand View Drive.....	1923	402	1	1	0	402	0	11	106	0	1,237.94
123 Medallion St.	1923	325	0	1	0	325	0	7	96	0	1,020.46
124 Maxwell and Wakefield.....	1923	550	0	2	0	550	0	16	208	0	1,384.34
125 Eighth St.	1923	829	5	1	0	829	0	27	348	0	3,325.75
126 Cedar and Wright.....	1923	1,328	6	1	0	1,328	0	29	400	0	3,727.94
127 Daniel St.	1923	400	1	1	0	400	0	11	140	0	1,255.06
128 S. Seventh St.....	1923	516	1	1	0	516	0	19	270	0	2,155.73
129 Washtenaw Av.	1923	735	3	0	0	735	0	12	202	1	2,706.65
130 Spring St.	1923	1,298	5	0	0	1,298	0	37	.....	..	3,103.02
131 Berkshire Rd.	1923	313	1	1	0	313	0	8	120	0	1,234.34
132 S Main St.	1923	2,722	8	3	0	2,722	0	73	728	0	z
133 Davis Av.	1923	275	1	1	0	275	0	8	90	0	1,060.48
134 Fifth St.	1923	300	0	1	0	300	0	12	180	1	1,096.44
135 Brooks St.	1923	277	2	0	0	277	0	11	160	0	946.37
136 Pauline Blvd.	z	.....	..	..	..	.....
137 Jackson Hgts. add.....	z	.....	..	..	..	.....
Totals .	.....	212,246	685	200	70	154,997	49,400	6,901	23,398	14	\$361,238.21

Note.—District 23 never accepted by city. Above data is Engineers' approximate estimate.

Note—In District No. 50 one 8" house connection 28' long is included in above table.

xPrivate sewer.

*Branches only.

zNot completed.

A SUMMARY OF STORM SEWERS

STREET	Year	Size Main	Length Main	Manhole	Inlets	Inlet Runs	Total Cost	CONTRACTOR
Prior to 1900.....		..	.....	..	..	.....	\$ 26,411.72	
State St., Hill to S. U.....	1902	18	1,148	6	16	525	1,667.22	
Ann St., Main to 4th Ave.....	1902	..	.....	..	..	.....	543.95	
Packard and State Sts.....	1905	20	320	1	7	400	361.00	
E. Williams, Main to Maynard..	1905	24	300	..	..	.....
		20	891	..	..	.....
		18	548	..	..	.....
		15	332	6	29	.....	
		10	.....	..	..	1,166	3,014.67	
Judson's Sewer	1906	30	305	..	..	.....
		15	86	2	3	.....	855.91	L. Dresselhouse
Roosevelt Ave.	1906	..	.....	..	..	.....	854.50	
E. Washington St.	1906	18	1,527	..	..	.....
		15	811	..	..	.....
E. Washington St.	1906	12	297	..	..	.....
		10	.....	9	28	875	3,781.82	L. Dresselhouse
Hill and Washtenaw.....	1909	..	.....	..	..	.....	653.90	
Washington, East of State.....	1910	..	641	3	11	390	563.37	
Ann St., and Alley, B1N, R4E...	1911	..	.....	..	..	.....	443.14	
Alley, B3S, R3E	1911	..	.....	..	..	.....	250.92	
Hill St., Oxford to Cambridge...	1911	..	.....	..	..	.....	116.87	
Packard St., Hill to Monroe....	1911	20	651	2	6	185	868.97	
Hill St., Cambridge to Oswego..	1911	..	.....	..	..	.....	340.66	
N. Main St.	1911	..	.....	..	..	.....	207.47	
Mary and Benjamin	1911	..	.....	..	..	.....	884.78	

Hill St. to Washtenaw. 1911. 18. 215. 4. 15. 500. 1,291.44

Church St., S. U. to Washtenaw.	1911	18	916	4	15	550	1,291.44	
Arch, White, McKinley & Packard	1911	4x4ft	1,357	..	..	....
		12	270	2	8	80	3,422.95	
Other Storm Sewer Work.....	1911	..	.....	..	..	....	1,552.01	
Church St., S. U. to Roosevelt...	1912	20	1,933	..	..	....
		15	221	7	20	650	2,776.43	
Willard St., Church westly.....	1912	.	144	1	2	28	168.53	
W. Liberty, Alley W. of Ashley..	1912	12	85	0	2	20	63.99	
Ashley, for pavement	1912	..	.....	..	..	....	267.00	
W. Huron St., Creeks to Fork...	1913	..	3,435	12	28	....	4,483.12	City Force Acct.
W. Liberty St., Creek to City Lts.	1913	..	3,773	14	26	....	4,077.47	City Force Acct.
W. Liberty St., Cor. First St.....	1913	..	.....	..	9	....	103.46	City Force Acct.
E. Washington, 12th to 14th....	1913	..	280	1	2	....	439.95	City Force Acct.
Cambridge Rd., Forest to Lincoln	1914	..	987	6	20	741	2,397.22	E. L. Schneider
W. Jefferson St., 2nd to 3rd.....	1914	..	339	1	10	446	1,095.62	E. L. Schneider
N. Division St., Detroit to Ann...	1914	..	1,480	7	20	780	2,309.81	Dederich & Eddy
Madison, Division & Jefferson...	1915	..	1,975	12	24	752	3,646.17	Dederich & Eddy
E. Jefferson, 5th Ave. to Ham. Pl.	1915	..	274	3	6	173	506.23	Dederich & Eddy
Alley, North of Liberty St.....	1914	..	.....	..	1	58	33.84	City Force Acct.
Alley, South of Ann St.....	1914	..	.....	..	1	43	59.64	City Force Acct.
Geddes Ave. Linden to Blvd....	1915	..	854	4	8	186	1,056.21	E. L. Schneider
Division St., at Liberty, Wms, Lib.	1915	..	95	1	1	205	253.70	City Force Acct.
Edwin & McKinley	1916	..	1,330	..	7	110	6,447.94	Barns & O'Neil
Glen Ave., Wash. to River.....	1916	..	2,201	21	27	1,134	13,350.33	Wm. Eddy & Son
Miller Ave., Creek to Brooks...	1916	..	2,124	12	28	986	7,410.60	A. H. Prange
Miller Ave., inlets for pavement.	1916	..	.....	2	11	130	159.45	City Force Acct.
Small extension and inlets.....	1915	..	.....	..	13	500	434.01	City Force Acct.
W. Jefferson St., 3rd to 6th.....	1917	..	971	4	17	605	2,027.85	Hochrein & Co.
W. Madison St., 1st to 4th.....	1917	..	990	6	12	544	2,766.86	Hochrein & Co.
Arch St., Packard to Oakland...	1917	..	375	3	6	195	674.42	Wm. Eddy & Son
State St, Edwin to Dewey.								
Dewey Ave., State to Packard...	1917	..	2,824	15	22	545	12,448.71	Wm. Eddy & Son
S. University, State to E. U.....	1917	..	780	7	6	94	1,510.87	Wm. Eddy & Son
Cambridge Rd., Lincoln to Bald.								
Baldwin Ave., Camb. to Wash....	1917	..	1,123	..	20	531	4,133.03	Wm. Eddy & Son
Alley, B2N, R4E	1917	..	.....	..	3	250	253.43	City Force Acct.
Washington & 14th Sts.....	1918	..	824	5	10	320	3,913.58	A. W. Baldwin

Gott St, Miller to Summit.....	1918	..	1,224	5	14	514	5,663.73	Wm. Eddy & Son	
Catherine, Main to Alley.....	1918	..	119	2	1	13	713.01	Wm. Eddy & Son	
Hoover, at Hoover Ball Co.....	1918	..	191	1	3	84	694.07	Wm. Eddy & Son	
Jackson Ave., Huron to City Lts..	1919	..	1,814	12	12	513	3,879.18	Wm. Eddy & Son	
Catherine St., Main to 5th Ave...	1919	..	495	6	10	418	2,248.80	Wm. Eddy & Son	
Detroit St., Kingsley to 5th Ave..	1919	..	327	3	14	445	1 634 47	Wm. Eddy & Son	
Broadway, River to Swift.....	1919	..	210	3	7	248	1,016.12	Wm. Eddy & Son	
E. University Ave., S. U. to N. U.	1919	..	966	4	8	298	2,482.86	Wm. Eddy & Son	
S. University Ave., Lind. to Oxford	1919	..	654	2	6	210	1,245.91	Wm. Eddy & Son	
Hill St., Church to E. U.....	1919	..	286	1	4	200	796.43	Wm. Eddy & Son	
Dexter Ave., at end of pavement	1919	..	50	..	..	....	100.33	City Force Acct.
Fourteenth St, Huron to Wash..	1920	..	268	1	2	24	926.89	Wm. Eddy & Son	
Hill St., Church to Lincoln.....	1920	..	1,238	5	9	286	2,909.45	City Force Acct.	
Alley, B3S, R3E	1920	..	300	3	3	....	489.36	City Force Acct.
N. State St., River to Huron.....	1921	24	1 702	..	..	....
.....			30	634	9	22	594	15,025.06	City Force Acct.
Fuller St., State to Elizabeth....	1921	12	304	2	6	174	965 53	City Force Acct.	
E. Kingsley & Ingalls.....	1921	12	992	4	15	352	2,315.21	City Force Acct.	
Granger, Golden & Olivia.....	1921	24	915	..	..	....
.....			30	604	..	....	
.....			39	910	10	20	558	14 782.75	City Force Acct.
Packard St., Granger S. Ely....	1921	12	166	..	..	....
.....			15	382	3	6	145	1,589.82	City Force Acct.
Hil St., Oswego to Onondago...	1921	12	493	3	4	68	1,114.63	City Force Acct.	
Kingsley & Alley, B3N, R4E....	1921	12	898	..	..	....
.....			15	176	..	....	
.....			18	184	9	4	145	2,697.31	City Force Acct.
Sixth St., Creek to Liberty.....	1921	12	339	2	4	82	702.30	City Force Acct.	
Seventh St., Creek to Madison...	1921	15	332	..	..	....
.....			18	638	4	6	146	3,794.89	Wm. Eddy & Son
Alley, B2N, R3E	1921	12	234	2	..	76	685.58	Wm. Eddy & Son	
Depot St.	1921	42	723	..	..	....
Fifth Ave.	1921	30	868	9	27	804	20,565.77	Wm Eddy & Son	
Beakes St.	1921	15	381	..	..	....
Fourth Ave.	1921	12	162	..	..	....
Wells St., Olivia to Lincoln.....	1921	20	447	3	6	193	1 804.20	Sydnae Gustin Co.	
Cambridge Rd.	1921	15	88	..	..	....

Golden Ave. and Woodlawn.....	1922	42	361	3	4	90	1,948.23	Sydnae Gustin Co.
Packard St. and Wel's.....	1922	42	823	10	11	376	30 860.87	Bartling & Dull
Wel's & Forest to Cambridge...	1922	48	1,268	..	..	.....	.....
Brooks St., Miller to Hiscock....	1922	22	459	8	10	222	4,821.69	Patrick Ryan, Jr.
Brooks St., N. of Pearl to Hiscock	1922	18	225	..	..	.....	.....
		15	1,170	..	..	.....	.....
Brooks N. of Pearl to end S. Hill	1922	12	500	..	..	.....	.....
Fourth Ave., Alley to Washington	1922	12	134	1	..	.....	325 94	City Force Acct.
Broadway Creek to Jones.....	1922	12	370	2	6	300	777.28	City Force Acct.
S. Division and Cross Sts.....	1922	12	613	3	7	.....	1,092.39	City Force Acct.
Onondago, Hill, Sly.....	1923	12	180	1	2	27	429.25	Wm. Eddy & Son
Washtenaw Ave., Oxford to Bald.	1923	22	150	3	4	63	5,299.20	Patrick Ryan
Washtenaw Ave., Camb. to Fer...	1923	12	225	2	8	350	.....
Wash. Ave., Wayne to Fair Oaks	1923	15	103	2	4	136	.....
Wash. Ave., Berkshire to Old Lts.	1923	12	563	3	12	320	.....
Washtenaw Ave., Outlets	1923	12	310	..	..	.....	.....	Patrick Ryan
Forest Ave., Hill to Wash.....	1923	36	2,222	9	13	260	22,604.00	Wm. Eddy & Son
Forest Ave., at Washtenaw....	1923	30	37	..	..	.....	.....
S. State, Dewey to Boulevard, Dr.	1923	12	380	2	3	130	1 077.59	Patrick Ryan
Broadway, Jones to Cedar Bend.	1923	12	1,691	9	13	272	.....	Wm. Eddy & Son
Broadway, Moore to Creek.....	1923	20	720	..	..	.....	.....
*Moore St., Broadway to Pontiac .....	.....	..	.....	..	..	.....	.....
Fourteenth St., Belser to Volland	1923	15	454	6	11	253	3,284.93	Patrick Ryan
Camden and Geddes	1923	12	831	..	..	.....	.....
*S. Main and Jefferson.....	1923	12	414	..	..	.....	.....	R. D. Ballew
*S. Main, Davis to Hoover.....	1923	22	276	..	..	.....	.....
*S. Main, Pauline to Hoover....	1923	20	377	..	..	.....	.....
*S Main, Madison to Moseley...	1923	15	588	..	..	.....	.....
*S. Main, Hill to Moseley.....	1923	12	436	..	..	.....	.....
*S. Main, Outlet at Davis.....	1923	27	48	10	4	.....	.....	R. D. Ballew
Totals .....	.....	..	76,679	361	810	23,686	\$290,781.77	
xCost to date.			*Not completed.					

New brick used for construction of crosswalks	
2,440	122.00
Sand and gravel, 126 yards	283 50
New culvert ordered on Brockman Blvd by Board:	
Labor	\$55.20
Cement	16.74
Gravel	20.25

	92.15
Expansion joints and freight	57.97

Total	\$ 3,650.90
No. of crosswalks constructed..	67
No. of sidewalk extensions constructed	171

Sidewalks Constructed in 1923.

Grading for new walks.	\$ 1,772.90
Sidewalks constructed by Thos. Hesson, by contract	7 284.23
Sidewalks constructed by A. F. Thompson, by contract	7,686.91
Total	\$16,744.04

Sewer Work.

Repairing and resetting manhole on Hill St..	\$ 1.10
Cleaning and relaying storm sewer at City Yard	9.00
Drawing tile to Henry St. sewer	49.21
Refilling sewer ditch Henry St. sewer with team	48.90
Drawing pump to Henry St. sewer	1.54
Hauling lumber, pumps, etc, from Henry St. sewer	22.55
Connecting storm sewer on Geddes Ave.	17.60
Setting inlet and connecting sewer Wells St.	12.45
Refilling sewer ditch Dexter Ave.	5.10
Laying 206 feet storm sewer 12-inch tile on Geddes Ave.	5 70
Cleaning out ditch along A. A. R. R. tracks ..	14.60

Total	\$ 187.75
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Repairing Pavements.

Labor	\$ 925.95
Cement used 367 sacks.	227 54
Gravel used for concrete, 95 yards	237.50
Old brick used 1726...	42.50

New brick used 2,274..	128.55
Asphalt	158.00
Ann Arbor Asphalt Construction Co., repairing pavement	759.26
Ann Arbor Asphalt Construction Co. for 10,-140 lbs. asphalt	52.80

Total	\$ 2,532 10
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General Work and Repairs.

Rebuilding fence on Felch St.	\$ 12.15
Cleaning up rubbish at West Park	2.30
Making new barricades at yard	6.05
Delivering ballot boxes at City Hall	2.10
Pumping water from cisterns	9.50
Taking up iron pipe on Packard St.	2.50
Cleaning up yard after fire	5 76
Cleaning tar kettle	4.45
Drawing oak logs to saw mill	11.52
Cleaning paper cans ...	32.12
Cleaning and painting cement mixer	27.50
Drawing ashes from City Hall	25 36
Unloading tile at yard.	25.30
Unloading cement at cement house	14.60
Cleaning up at City yard	27.90
Drawing coal for poor during 1923	19.52
Removing crosswalk on Washtenaw Ave	20.00
Cleaning extension front of Dr. Emerson property on Oakland Ave..	21.65
Hauling iron lighting post on S. Main St. ...	3.95
Cleaning cement bags and packing	12.20
Drawing cement from Chelsea	15.60
Cleaning boiler at tar tanks	3.85
Constructing and installing traffic signals ..	108 45
Sidewalk repaired on Kingsley and S. Main St.	2.60
Constructing bridge across ditch on Golden Ave.	9.00
Constructing bridge across creek on Hill St.	7.80

Replanking bridge No. 2,
Fuller St.,
Gottshall Lum-
ber Co. ...\$529.56
Daigle Iron
Works, 21 I
beams 183.00
Freight on
above 8.82
Spikes 9.35
Labor 77.80
Unloading
plank 12.25
Drawing away
old plank .. 4.30

Leveling roof on north
shed at City Yard... 825.08
New roof on north shed
City Yard 175.00
Repairing roof on horse
barn 7.50
Repairs at House, City
Yard:
To let\$45.86
Screens 15.80
Repair floors... 8.30
Flooring and
joist 22.26

Total\$ 1 538 81

General Supplies.

Jno. C. Fischer Co. ...\$ 25.43
Wolf and Colvin 104.10
American Express Co... 6.27
W. H. Anderson 1.76
Austin Mfg. Co. 19.00
Staebler Oil Co. 60.89
Hertler Bros. 105.83
R. A. Stewart 3.38
S. Andres15
Schumacher Hdwe Co.. 111.83
Hutzel & Co. 18.65
Luck Bros. 48.91
Economy Baler Co. 196.94
Mayer-Schairer Co. 5.50
Michigan State Tel Co... 1.80
Wessinger Sign Co. ... 1.50
Wm. L. Rohde 51.05
Schlenker Hdwe Co. 29.17
Mayer Hdwe Co. 5.25
A. A. Post Office 21.92
C. M. Corne'l 22.95
Dawson Bros. 6.45
H. Richards, signs 8.00
Shunk Mfg. Co. 31.74
Ann Arbor Implement
Co. 44.80
Ann Arbor Foundry Co. 10.30
Ann Arbor Asphalt Co.,
5,125 paving brick ... 225.25

\$1,168.82

City Team.

Oats, corn and
bran \$228.38
Hay 144.13
Horseshoeing ... 98.90
One pair of
blankets 7.00
Harness repair . 74.40
Straw 23.10
Dr. Lane, serv-
ices 28.00

603.91

Total\$ 1,772.73

Recapitulation.

Cleaning paved streets.\$ 8 588 80
Street work 35,279.81
Sidewalk extensions,
crosswalks & culverts 3,650.90
New sidewalks con-
structed 16,744.04
Sewer work 187.75
Repairing pavements... 2,532.10
Miscellaneous work and
repairs 1,538.81
General supplies 1,772.73

Total\$70 294.94

Respectfully submitted,

ALF. J. PAUL,
Street Com.

**Inventory — Street Department—
1923.**

1 3 1-2-ton Transport
truck\$ 2,400.00
1 5-ton Federal truck.. 1,200.00
1 Ford runabout 75.00
1 Cleveland tractor ... 500.00
1 Cleveland tractor parts 75.00
1 Kelly Springfield roller 3,500.00
1 Elgin motor sweeper. 500.00
1 Foote cement mixer .. 300.00
1 team horses 400.00
1 set harness 60.00
1 pair stable blankets.. 7.00
1 pair storm blankets.. 8.00
1 pair woolen blankets. 5.00
1 Troy wagon 150.00
1 wagon with wood box 75.00
1 Studebaker sprinkler. 100.00
1 20th Century grader... 75.00
1 Austin western grader 500.00
1 Austin standard grader 600.00
1 Wehr grader 1,250.00
1 Hatfield - Penfield
grader 100.00
1 platform scale 400.00
7 steel snow plows 250.00
2 standard snow plows. 75.00
8 wooden snow plows.. 30.00
1 pair bobsleighs 20.00
1 rotary pump 300.00
1 diaphragm pump 15.00
1 Austin oil spreader .. 400.00

1 tar tank on wheels ..	50.00
1 tar tank on wheels..	40.00
1 small kettle on wheels	40.00
1 tool box on wheels ..	10.00
2 calcium chloride spreaders	80.00
2 slip scrapers	15 00
1 Fresno scraper	20.00
2 wagons	20.00
1 diaphragm hand pump	15.00
1 50-gal. oil tank	10.00
50 feet of 1 foot hose..	2.50
1 grindstone	5.00
1 ton hay	20.00
40 bu. oats	20 00
2 tar tanks and boiler ..	1 250.00
3 road drags	30.00
2 two-wheel carts	15.00
1 two-wheel scraper ...	10.00
1 lot of one-inch pipe..	20.00
1 caldron kettle	10.00
1 broom filler	70.00
6 wheelbarrows	40.00
2 log chains	4 00
1 extra heavy R. R. chain	5.00
2 sledge hammers	3.00
1 stencil alphabet	1.00
2 oil cans	1.00
1 two-horse mower ...	5.00
1 set cement tools	3.00
Sewer jacks	40.00
1 rooter	10 00
3 barley forks	4.50
5 fire hose lengths	10.00
3 axes	3.00
1 crosscut saw	5.00
2 hoes	1.00
2 3-lb. hammers	3.00
2 hatchets	2.00
1 ladder	2.00
1 sand screen	1 00
3 wedges	1.00
1 bolt cutter	1.00
1 brace and bt	1.00
12 red lanterns	12.00
2 levels	6.00
4 scythes	8.00
1 hedge scythe	2.00
4 grub hoes	4.00
10 picks	10.00
2 tampers	2 00
2 hand saws	2.00
2 scoop shovels	1.50
2 paving hammers	1.50
4 crowbars	6.00
2 Knowells street scrapers	6.00
2 hose nozzles	2.00
2 rakes	3.00
2 pair rubber boots	5.00
1 wagon jack	4.00
1 R. R. jack	4.00
2 pitch forks	2.00
2 stone forks	2.00

12 shovels	12 00
300 lbs. broom fibre on hand	21.00
1 broom for sweeper ..	20.00

Total

Building Material on Hand.

103 12- n. tile (sewer)....	\$ 91 67
58 15-in. tile (sewer)	19 44
40 12-in. elbows	77.76
3 12-in. ells	5.83
5 20-in. tie	10.80
1 24-in elbow	12.06
2 20-in. elbows	17.28
2 12-in. T's	3.88
12 24- n. sewer tile	38.88
200 ft. of oak plank.....	10.00
80 crosswalk plates	80 00

Total

Respectfully submitted,

ALFRED J. PAUL
Street Commissioner.

Annual report of Water Works Department received and ordered printed in minutes of next meeting.

Reports of City Treasurer, Clerk, Engineer and Street Commissioner for month of January, 1924 received and ordered to take usual course.

**TREASURER'S REPORT
City Funds**

Receipts—	
Contingent: Fees, \$1,-	
293.60; int. \$1,171.13;	
supplies and repairs,	
\$623.08; theater lic.	
\$230; billiard and pool	
lic. \$126; lunch truck	
lic. \$50; coffee house	
lic. \$12.50; dog lic.	
\$10; peddler's lic \$3;	
city scales \$43.20; ga-	
rage rent \$17.....	\$ 3,579.51
Cemetery: Burial per-	
mits \$18; removal of	
body \$7	25.00
Police: City fines.....	455.00
Street: Supplies \$393.93;	
repairs paving \$235.05;	
grading \$44.60; cin-	
ders \$44.78; labor re-	
turned \$39.65	758.01
Park: Trees	6.00
Sidewalk Building:	
Walks built by city..	210.18
Water Works General	
Fund: Received from	
manager of dept....	10,440 16
Water Dept. Sinking	
Fund: Received from	
manager of dept.....	1,500.00

Uncollected City Tax:
 Taxes collected 5,465 47
 Rejected Tax: Taxes
 collected 647.58

 Total\$ 23 086.91
 On hand Jan. 2, 1924.. 191 972.49

Warrants paid 47,169.60

 On hand Feb. 1, 1924..\$167,889 80

Disbursements—
 Contingent\$ 7,544.60
 Cemetery 95.00
 Fire Dept 3,217.55
 Police 3,192.29
 Poor 89.74
 Street 2,331.93
 Park 898.53
 Street Light 1 987.90
 Bridge, Culvert and
 Crosswalk 15 697.82
 Water Works General
 Fund 11,444.16
 Rejected Tax 647.58
 Broadway Brdge 22.50

 Total\$ 47,169.60

On Hand—
 Contingent\$ 43,199.80
 Cemetery 1,288 20
 Fire Dept. 17,759 99
 Police 17,099.43
 Poor 592.69
 Street 21,160 09
 Park 1,209.26
 Street Light 10,024.87
 Bridge Culvert and
 Crosswalk 24,411.57
 Water Works General
 Fund 4 216.64
 Special Water Works
 (Completion) 7,131.02
 Water Dept. Sinking
 Fund 28,405.15
 Water, (Hydrant Rent-
 al, etc.) 8,219 04
 Comfort Station 10,000.00

 Total\$194 717.75
 26,827.95

On hand Feb. 1, 1924..\$167,889.80

Overdrawn—
 Sidewalk Building\$ 2,024.54
 Uncollected City Tax.. 5 329.65
 Delinquent Tax 19,473.76

 Total\$ 26,827.95

Warrants Outstanding—
 Contingent\$ 284.42
 Police 27.35

Poor 2.99
 Street 163.32
 Bridge, Culvert and
 Crosswalk 234 38
 Water Works General
 Fund 18.47

State, County, School Funds

Receipts—
 State—
 Taxes collected\$ 15,978.12
 County—
 Taxes collected 25,618.53
 School—
 Taxes collected 57,321.26

 Total\$ 98 918.01
 On hand Jan. 2, 1924.. 505 275.63

Warrants paid \$604,193.64
 325,000.00

 On hand Feb. 1, 1924..\$279,193.64

Disbursements—
 State\$ 50,000.00
 County 75,000 00
 School 200,000.00

 Total\$325,000.00

On Hand—
 State\$ 59,709.40
 County 100 902.70
 School 118 581.54

 Total\$279,193.64

Sewer Funds

Receipts—
 Tax Account—
 Sewer Dist. No. 88,
 Taxes collected\$ 24.81
 Sewer Dist. No. 89..... 42.56
 Sewer Dist. No. 90..... 33 89
 Sewer Dist. No. 101... 27.65
 Sewer Dist. No. 103... 19.65
 Sewer Dist. No. 115... 23.80

Total\$ 172.36
 On hand Jan. 2, 1924.. 10,486.73

Warrants paid \$ 10,659.09
 1,879.51

On hand Feb. 1, 1924..\$ 8,779.58

Disbursements—
 Labor Account—
 Sewer Dist. No. 110...\$ 69.96
 Sewer Dist. No. 115... 188.40
 Sewer Dist. No. 118... 39.80
 Sewer Dist. No. 119... 151.70
 Sewer Dist. No. 132... 1 429.65

 Total\$ 1 789.51

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.....	312.29
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....	200.80
Sewer Dist. No. 111....	446.15
Sewer Dist. No. 112....	677.67
Sewer Dist. No. 113....	46.83
Sewer Dist. No. 114....	159.68
Sewer Dist. No. 115....	138.04
Sewer Dist. No. 116....	83.48
Sewer Dist. No. 117....	123.83
Sewer Dist. No. 118....	204.03
Sewer Dist. No. 119....	1,298.91
Sewer Dist. No. 121....	97.40
Sewer Dist. No. 122....	624.08
Sewer Dist. No. 123....	57.74
Sewer Dist. No. 124....	112.94
Sewer Dist. No. 125....	710.16
Sewer Dist. No. 126....	420.69
Sewer Dist. No. 127....	77.02
Sewer Dist. No. 129....	88.54
Sewer Dist. No. 130....	139.34
Sewer Dist. No. 132....	1,281.35
Sewer Dist. No. 133....	80.41
Sewer Dist. No. 134....	71.34
Sewer Dist. No. 135....	60.41
	2,660.00
Tax Account—	
Sewer Dist. No. 93.....	306.24
Sewer Dist. No. 97.....	340.74
Sewer Dist. No. 98.....	113.16
Sewer Dist. No. 100....	36.79
Sewer Dist. No. 101....	270.06
Sewer Dist. No. 102....	276.51
Sewer Dist. No. 103....	444.61
Sewer Dist. No. 105....	168.46
Sewer Dist. No. 106....	404.62
Sewer Dist. No. 107....	117.61
Sewer Dist. No. 108....	219.91
Sewer Dist. No. 109....	331.83
Sewer Dist. No. 114....	342.24
Total	\$ 15,159.46
	6,379.88
On hand Feb. 1, 1924...\$	8,779.58
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. 120...	771.73
Sewer Dist. No. 128...	177.22
Sewer Dist. No. 131...	429.57
Tax Account—	
Sewer Dist. No. 88.....	888.74
Sewer Dist. No. 89.....	388.54
Sewer Dist. No. 90.....	57.88
Sewer Dist. No. 91.....	125.55
Sewer Dist. No. 92.....	125.52
Sewer Dist. No. 94.....	170.34
Sewer Dist. No. 95.....	185.65
Sewer Dist. No. 96.....	212.66
Sewer Dist. No. 99.....	65.66
Sewer Dist. No. 104....	246.37
Sewer Dist. No. 110....	61.65
Sewer Dist. No. 111....	1,183.34
Sewer Dist. No. 112....	213.47
Sewer Dist. No. 113....	7.55
Sewer Dist. No. 115....	13.31
Sewer Dist. No. 116....	168.92
Sewer Dist. No. 117....	101.64
Sewer Dist. No. 118....	68.12

Total\$ 6,379.88

Warrants Outstanding—	
Labor Account—	
Sewer Dist. No. 112...\$	46.50
Sewer Dist. No. 113...	33.15
Sewer Dist. No. 114...	40.75
Sewer Dist. No. 116...	38.24
Sewer Dist. No. 117...	27.59

Pavement Funds

Receipts—	
Tax Account—	
Paving Dist. No. 28,	
Taxes collected	\$ 16.80
Paving Dist. No. 34.....	38.40
Paving Dist. No. 36.....	98.82
Paving Dist. No. 40.....	27.38
Paving Dist. No. 41.....	82.56
Paving Dist. No. 42.....	94.35
Paving Dist. No. 43.....	52.52
Paving Dist. No. 44.....	30.54
Paving Dist. No. 49.....	91.65

Total\$ 533.02

Overdrawn Jan. 2, 1924. 6,942.36

\$ 6,409.34

Warrants paid 4,800.29

Overdrawn Feb. 1, 1924.\$ 11,209.63

Disbursements—	
Labor Account—	
Paving Dist. No. 55....\$	4,780.29
Tax Account—	
Paving Dist. No. 34.....	20.00
Total	\$ 4,800.29

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
Paving Dist. No. 52.....	366.45
Paving Dist. No. 53.....	2,410.28
Paving Dist. No. 54.....	2,309.73
Tax Account—	
Paving Dist. No. 38.....	456.07
Paving Dist. No. 40.....	1,222.93
Paving Dist. No. 42.....	119.55
Paving Dist. No. 43.....	2,762.55
Paving Dist. No. 44.....	3,069.95
Paving Dist. No. 45.....	1,008.05
Paving Dist. No. 46.....	614.59
Paving Dist. No. 47.....	802.58
Paving Dist. No. 48.....	1,418.54
Paving Dist. No. 49.....	966.03
Paving Dist. No. 51.....	532.03

Total\$ 26,426.95

Overdrawn—

Labor Account—

Paving Dist. No. 51.....\$	645.49
Paving Dist. No. 55.....	18,583.52

Tax Account—

Paving Dist. No. 20.....	336.59
Paving Dist. No. 27.....	1,200.89
Paving Dist. No. 28.....	3,672.61
Paving Dist. No. 29.....	3,055.25
Paving Dist. No. 30.....	1,839.49
Paving Dist. No. 32.....	101.67
Paving Dist. No. 33.....	490.77
Paving Dist. No. 34.....	729.54
Paving Dist. No. 35.....	162.66
Paving Dist. No. 36.....	422.47
Paving Dist. No. 37.....	156.99
Paving Dist. No. 39.....	4,425.34
Paving Dist. No. 41.....	538.49
Paving Dist. No. 50.....	1,274.81

Total\$ 37,636.58

Overdrawn Feb. 1, 1924 \$ 26,426.95

Overdrawn Feb. 1, 1924 \$ 11,209.63

Curb and Gutter Funds

Receipts—

Labor Account—

Curb-Gutter No. 24	
Bonds sold	\$ 1,286.29
Curb-Gutter No. 28.....	1,990.22
Curb-Gutter No. 50.....	3,219.85
Curb-Gutter No. 51.....	576.81
Curb-Gutter No. 52.....	1,031.41
Curb-Gutter No. 53.....	665.54
Curb-Gutter No. 54.....	560.48
Curb-Gutter No. 55.....	569.18
Curb-Gutter No. 56.....	5,936.40
Curb-Gutter No. 57.....	2,275.04
Curb-Gutter No. 58.....	692.51
Curb-Gutter No. 59.....	1,592.36
Curb-Gutter No. 60.....	1,040.95
Curb-Gutter No. 61.....	1,493.22

Tax Account—

Curb-Gutter No. 19,	
taxes collected.....	7.40

Curb-Gutter No. 20,	
taxes collected.....	10.12
Curb-Gutter No. 21,	
taxes collected.....	8.12
Curb-Gutter No. 29,	
taxes collected.....	8.15
Curb-Gutter No. 31.....	12.33
Curb-Gutter No. 32.....	9.00
Curb-Gutter No. 34.....	54.88
Curb-Gutter No. 38.....	21.72
Curb-Gutter No. 40.....	13.94
Curb-Gutter No. 44.....	9.00
Curb-Gutter No. 48.....	8.70

Total\$ 23,093.62

Overdrawn Jan. 2, 1924. 880.23

\$ 22,213.39

Warrants paid 19,582.48

On hand Feb. 1, 1924..\$ 2,630.91

Disbursements—

Tax Account—

Curb-Gutter No. 2.....\$	294.72
Curb-Gutter No. 3.....	389.44
Curb-Gutter No. 4.....	389.82
Curb-Gutter No. 5.....	506.38
Curb-Gutter No. 6.....	342.30
Curb-Gutter No. 7.....	609.71
Curb-Gutter No. 8.....	407.51
Curb-Gutter No. 9.....	312.84
Curb-Gutter No. 10.....	343.48
Curb-Gutter No. 11.....	589.64
Curb-Gutter No. 12.....	1,281.44
Curb-Gutter No. 13.....	262.16
Curb-Gutter No. 14.....	15.98
Curb-Gutter No. 15.....	313.41
Curb-Gutter No. 16.....	1,202.85
Curb-Gutter No. 17.....	443.40
Curb-Gutter No. 18.....	231.89
Curb-Gutter No. 19.....	323.84
Curb-Gutter No. 20.....	561.82
Curb-Gutter No. 21.....	233.16
Curb-Gutter No. 22.....	1,097.68
Curb-Gutter No. 23.....	172.31
Curb-Gutter No. 26.....	956.39
Curb-Gutter No. 27.....	1,579.12
Curb-Gutter No. 38.....	2,574.82
Curb-Gutter No. 39.....	1,431.73
Curb-Gutter No. 41.....	493.67
Curb-Gutter No. 44.....	559.98
Curb-Gutter No. 48.....	1,140.63
Curb-Gutter No. 49.....	520.36

Total\$ 19,582.48

On Hand—

Labor Account—

Curb-Gutter No. 24.....\$	127.74
Curb-Gutter No. 26.....	297.08
Curb-Gutter No. 27.....	616.48
Curb-Gutter No. 28.....	199.27
Curb-Gutter No. 38.....	1,001.80
Curb-Gutter No. 39.....	687.80
Curb-Gutter No. 41.....	265.98

Curb-Gutter No. 44.....	156.41
Curb-Gutter No. 48.....	271.41
Curb-Gutter No. 49.....	68.54
Curb-Gutter No. 50.....	258.15
Curb-Gutter No. 51.....	56.16
Curb-Gutter No. 52.....	59.01
Curb-Gutter No. 53.....	40.37
Curb-Gutter No. 54.....	42.78
Curb-Gutter No. 55.....	53.95
Curb-Gutter No. 56.....	434.56
Curb-Gutter No. 57.....	162.08
Curb-Gutter No. 58.....	133.35
Curb-Gutter No. 59.....	106.99
Curb-Gutter No. 60.....	137.95
Curb-Gutter No. 61.....	94.90
Tax Account—	
Curb-Gutter No. 2.....	34.90
Curb-Gutter No. 3.....	58.78
Curb-Gutter No. 5.....	45.04
Curb-Gutter No. 6.....	30.81
Curb-Gutter No. 8.....	20.12
Curb-Gutter No. 9.....	33.87
Curb-Gutter No. 10.....	185.24
Curb-Gutter No. 11.....	363.08
Curb-Gutter No. 12.....	552.92
Curb-Gutter No. 13.....	67.41
Curb-Gutter No. 14.....	404.56
Curb-Gutter No. 15.....	954.28
Curb-Gutter No. 16.....	449.14
Curb-Gutter No. 17.....	324.14
Curb-Gutter No. 18.....	30.07
Curb-Gutter No. 19.....	142.43
Curb-Gutter No. 20.....	228.12
Curb-Gutter No. 21.....	116.85
Curb-Gutter No. 22.....	613.91
Curb-Gutter No. 23.....	49.64
Curb-Gutter No. 25.....	180.98
Curb-Gutter No. 26.....	237.44
Curb-Gutter No. 27.....	1,049.70
Curb-Gutter No. 29.....	425.50
Curb-Gutter No. 30.....	656.56
Curb-Gutter No. 31.....	381.45
Curb-Gutter No. 32.....	806.12
Curb-Gutter No. 33.....	417.96
Curb-Gutter No. 34.....	974.28
Curb-Gutter No. 35.....	323.25
Curb-Gutter No. 36.....	416.31
Curb-Gutter No. 37.....	445.17
Curb-Gutter No. 38.....	1,138.12
Curb-Gutter No. 39.....	828.40
Curb-Gutter No. 40.....	348.10
Curb-Gutter No. 41.....	232.20
Curb-Gutter No. 42.....	307.26
Curb-Gutter No. 43.....	581.20
Curb-Gutter No. 45.....	455.69
Curb-Gutter No. 46.....	422.29
Curb-Gutter No. 47.....	478.57
Curb-Gutter No. 48.....	361.65
Curb-Gutter No. 49.....	143.35

Total\$ 21 589.62
 18 958.71

On hand Feb. 1, 1924...\$ 2,630.91
 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.....	1,113.50
Tax Account—	
Curb-Gutter No. 4.....	117.77
Curb-Gutter No. 7.....	247.42
Curb-Gutter No. 44.....	38.22

Total\$ 18,958.71

Warrants Out standing..\$ 907.10
 The Ann Arbor Savings Bank,
 Ann Arbor, Michigan.
 To the Honorable Common
 Council, City of Ann Arbor.

This is to certify that there was
 on deposit in The Ann Arbor Sav-
 ings Bank to the credit of the City
 of Ann Arbor, Ross Ganger, City
 Treasurer the sum of four hun-
 dred twenty-nine thousand five
 hundred twenty-five and 50-100
 (\$429 525.50) dollars at the close
 of business January 31st, 1924.

Alfred F. Staeb,
 Asst. Cashier.

February 7th, 1924.

Recapitulation

City funds on hand....	\$167,889.80
State, County and School	
funds on hand.....	279,193.64
Sewer funds on hand..	8,779.58
Curb and Gutter funds	
on hand	2,630.91
Market fund	50.00
	<hr/>
	\$458 543.93
Pavement funds over-	
drawn	11 209.63

On hand Feb. 1, 1924...\$447,334.30
 Ann Arbor Savings Bank
 balance\$429,525.50
 Cash and checks in vault 17,808.80

On hand Feb 1, 1924...\$447,334.30

ROSS GRANGER,
 City Treasurer.

**City Engineer's Report for Month
 of January, 1924.**

To the Honorable Board of Public
 Works, Ann Arbor Michigan:
 Gentlemen: I submit the fol-
 lowing report of expenditures for

labor and materials used in work done under my direction during the month of January, 1924:

Name	Amount
Engineering and Calcul.	
G. H. Sandenburgh	\$ 298.52
H. R. Scovill	189.74
V. W. McAdam	175.00
W. L. Rye	125.75
A. W. Soutleman	115.20
H. E. Disderide	105.00
John A. Throp	91.20
Julius Lohrke	78.12
F. Schmid	43.20
W. P. Calahan	2.00
D. D. McAdam	2.00

\$1,225.73
Amount

Chargeable to	Amount
1. Accounts	\$ 33.99
2. Records	294.65
3. Correspondence	12.64
4. Rep rts monthly & annual	217.34
5. Comm ttee meetings, etc.	17.73
8 Information to the public	48.53
10B Sewer foreman salary	76.82
24 Street lines and grades	23.64
59. Vacation V. W. McAdam	43.75
66. Deccng work of Department	126.02
131. Municipal Garage	11.66
143. Work for Fire Department	16.80
157. Housng Code	39.66
281. Ann. Catherine Lawrence storm sewer	5.12
282. Aun St str m sewer	4.10
283. Cambridge Road storm sewer	4.10
308. Smoke Inspection Dept.	2.00
310. S. Main St pavement	28.87
318. S. Main St. sanitary sewer	41.33
323. W Washington storm sewer	9.58
327. S. Main & Jefferson storm sewer	9.38
328. Paulne Blvd. san. sewer	1.20
348. Broadway curb and gutter	2.05
349. Eighth St. curb and gutter	2.05
350. Greenwood Ave. curb and gutter	10.42
351. First St curb and gutter	2.78

352. Ferdon Rd. curb and gutter	6.38
353. Second St. curb and gutter	3.85
354. Spring St. curb and gutter	2.83
355. Building Code	10.34
356. Linden St. curb and gutter	3.00
357. Brooklyn Ave. curb and gutter	6.60
358. Revena Blvd. curb and gutter	6.84
359. Fourth St. curb and gutter	8.47
360. Soule Blvd. curb and gutter	15.00
361. Catherine St. curb and gutter	4.76
362. Chap'n St. curb and gutter	5.36
364. S. Fifth Ave curb and gutter	4.76
365. Elder Blvd. curb and gutter	10.08
366. First St. curb and gutter, Dist. 80.	2.96
367. Ashley St. curb and gutter	5.36
368. First St. curb and gutter Dist. 82.	.60
369. Arbor St curb and gutter	1.20
370. Work for City Assessor	27.00
371. Westwood Hills san. sewer	7.45
372. Oakland Ave. storm sewer	3.60
373. Baldwin Ave. sanitary sewer	3.08

\$1,225.73

Sewer Work.

Name	Amount
W. L. Rye	\$ 49.25
Julius Lohrke	46.88
Jim Acqui	31.20
H. R. Scovill	10.26
Fred Schmid	2.70
Dominic Acqui	1.80
G. G. Sandenburgh	1.48

\$ 143.57
Amount

Chargeable to	Amount
10. Sanitary sewer maintenance	133.07
11. Storm sewer maintenance	10.50

\$ 143.57

Supplies Etc.

Name	Amount
Theo. Altenecker & Sons	\$ 3.22
American City	4.00
Ann Arbor Fdy Co	5.65

Ann Arbor Asphalt Const. Co.	11.26
Eugene Dietzgen Co.	21.27
Eugene Dietzgen Co.	21.36
P. B. Harding	1.25
Mayer-Schairer Co.	5.20
M.ch. State Tel. Co. ....	.60
Sid W. Millard	\$1.00
B. E. Muehlig	1.15
Wm. Rohde .....	.75
Schumacher Hdwe Co. ...	1.83
Wolf & Colv n	2.35
	<hr/>
	\$ 110.89

Total amount of expenditures for month \$1,480,19
Respectfully submitted,
GEO. H. SANDENBURGH,
City Engineer.

Street Commissioners' Report for Month of January.

To the Honorable Board of Public Work, Ann Arbor, Michigan:
Gentlemen: Following is a report of work done by the Street Department during the month of January, 1924:

Cleaning paved streets ..	\$ 29.25
Drawing cinders on S. Main, Hutchins Ave., Franklin Blvd, S. Seventh St., S. 5th Street, Pauline Blvd., Tuomy Rd., Devonshire Rd., Melrose Ave., Day and Wayne Sts.	361.47
Removing snow from extensions and gutters	133.48
Graveling streets	111.40
Emptyng paper cans	10.62
Picking up papers	16.08
Repairing grader	13.50
Repairing road drags, plow, rooter and painting	14.80
Cleanng crosswalks	7.00
Ove-hauling tractor	5.60
Cleaning garage	4.20
Thawing out tractor.....	2.80
Setting up snow plows ...	2.10
Cleaning inlets	9.20
Drawing old iron to foundry	1.78
Cleanng Federal truck, \$2.40; cleaning Transport truck, \$2.60	5.00
Drawing coal for poor....	9.78
Cutting up two willow trees on Seventh St.	7.80
Drawing ashes from Fire Station No. 1	5.00
Drawing ashes from City Hall	6.10
	<hr/>
Total	\$756.76

Gravel Account.

	No. yds.
Glen Ave	32
E. Catherine	27
Spring St.	66
W. Wash ngton St.	60
Broadway	49
Plum St.	10
Pear St.	20
Wall St.	4
	<hr/>
Total	268

Respectfully submitted,
ALFRED J. PAUL,
Street Commissioner.

Proposed Charter Amendments

By Alderman Johnson,
Resolved, That Section 3 of an act entitled, "An Act to authorize and empower and enable the city of Ann Arbor to construct and maintain a system of sewers and to raise the necessary money therefor, and to legalize the proceedings and acts of the common council and officers of the city of Ann Arbor had by virtue of act number four hundred thirteen of the local acts of eighteen nety-three," and which act was passed by the legislature of the State of Michigan, in the year eighteen hundred and ninety-five, as amended by the charter election of the city of Ann Arbor held in the said city April 7, 1919, be and the same is hereby amended to read as follows:

Section 3 The Common Council of said city s hereby authorized and empowered to raise by loan on the taxable property of said city a sufficient sum of money for a period of not longer than five years and at a rate of interest not greater than five percent., for the purpose of enabling said city to construct and maintain said sewer system; provided, that not more than three hundred thousand dollars of such bonded indebtedness shall be outstanding at any one time.

Resolved, that a special election be and the same is hereby called and will be held on Monday the seventh day of April, A D 1924, in pursuance of the state law and charter of this city, to vote upon the question of amendment to the section of the charter of the city of Ann Arbor, as aforesaid.

Resolved, further, that said election be held in the several wards of the city of Ann Arbor, as follows: First ward, voting room,

basement of City Hall; Second ward, ward building on South Ashley street; Third ward, ward building on Miller avenue; Fourth ward, voting room, basement of Armory, North Fifth Avenue; Fifth ward, ward building, corner of Swift and Pontiac streets; Sixth ward, voting room in old engine house, East University avenue; Seventh ward, First Precinct, city building on Mary street; Seventh ward, Second Precinct, voting room in Eberbach school, corner Wells street and Forest avenue.

Resolved, further, that the city clerk of said city be and is hereby authorized to issue the usual call for said special election, pursuant to the state law and charter of the city of Ann Arbor, and to cause to be printed ballots for the use of the electors at said election, which ballots shall be printed upon white paper of equal width and length, and shall read:

Section 3 The Common Council of said city is hereby authorized and empowered to raise by loan on the taxable property of said city a sufficient sum of money for a period of not longer than five years and at a rate of interest not greater than five per cent., for the purpose of enabling said city to construct and maintain said sewer system; provided, that not more than three hundred thousand dollars of such bonded indebtedness shall be outstanding at any one time.

For amendment of Section 3 of Act No. 313 of the Local Acts of 1895. Yes. ()

For amendment of Section 3 of Act No. 313 of the Local Acts of 1895. No. ()

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none

By Alderman Johnson:

Resolved, That Section 186 of the Charter of the City of Ann Arbor as amended April 7, 1919, be and the same is hereby amended to read as follows:

Section 186. No bond, note or other obligation or evidence of indebtedness of said corporation except orders on the Treasurer, as hereinafter provided, and also except bonds for sewerage, curb and gutter and paving purposes, shall ever be given or issued by said

corporation, or by any officer thereof in his official capacity, whereby the said city shall become obligated to pay any money, unless the same shall have been duly authorized by the legislature of this state, and shall have been submitted to and voted for by a majority of the electors of said city voting thereon in conformity to this act; but the Common Council may allow just claims against the city and may issue orders therefor on the Treasurer, or payable on presentation from any moneys then in the treasury on the first day of February thereafter; but such second named class orders shall not, in any fiscal year exceed the aggregate taxes levied in such year for the payment of the same. All moneys collected for the use of the city shall be paid into the city treasury, and no moneys shall be paid from the treasury unless it shall have been previously appropriated by the Common Council to the purpose for which it shall be drawn. The Treasurer shall pay out no money except upon the written warrant of the Mayor and City Clerk which warrant shall specify the fund from which the money is to be paid; provided, that school moneys shall be paid to the treasury of school district number one of the City of Ann Arbor upon the warrant of the President and Secretary of said Board. The Common Council may at any regular meeting thereof by resolution duly adopted by a majority of all the members elect authorize the issuing of bonds to the amount not exceeding five hundred thousand dollars outstanding at any one time for the purpose of paving any alley street or streets in such city such bonds to run for a period not exceeding ten years from the date of their issue, and at a rate of interest not exceeding five per cent per annum, and the Common Council for the purpose of carrying out this provision may pass such ordinance or ordinances as may be deemed necessary.

Resolved, That a special election be and the same is hereby called and will be held on Monday the seventh day of April, A. D. 1924, in pursuance of the state law and charter of this city to vote upon the question of amendment to the section of the charter of the city of Ann Arbor, as aforesaid.

Resolved, further, That said

election shall be held in the several wards of the City of Ann Arbor as follows: First ward, voting room, basement of City Hall; Second ward, ward building on South Ashley street; Third ward, ward building on Miller avenue; Fourth ward voting room, basement of Armory, North Fifth avenue; Fifth ward, ward building, corner of Swift and Pontiac streets; Sixth ward, voting room in old engine house, East University avenue; Seventh ward, first precinct City building on Mary street; Seventh ward second precinct, voting room in Eberbach School, corner Wells street and Forest avenue.

Resolved, further, That the City Clerk of said city be and is hereby authorized to issue the usual call for said special election pursuant to the state law and charter of the city of Ann Arbor and to cause to be printed ballots for the use of the electors at said election, which ballots shall be printed upon white paper of equal width and length and shall read:

Section 186. No bond note or other obligation or evidence of indebtedness of said corporation except orders on the treasurer, as hereinafter provided and also except bonds for sewerage curb and gutter and paving purposes shall ever be given or issued by said corporation, or by any officer thereof, in his official capacity, whereby the said city shall become obligated to pay any money, unless the same shall have been duly authorized by the legislature of this state, and shall have been submitted to and voted for by a majority of the electors of said city voting thereon, in conformity to this act; but the Common Council may allow just claims against the city, and may issue orders therefor on the Treasurer, or payable on presentation from any moneys then in the treasury, on the first day of February thereafter; but such second named class orders shall not in any fiscal year, exceed the aggregate taxes levied in such year for the payment of the same. All moneys collected for the use of the city shall be paid into the city treasury and no moneys shall be paid from the treasury unless it shall have been previously appropriated by the Common Council to the pur-

pose for which it shall be drawn. The Treasurer shall pay out no money except upon the written warrant of the Mayor and City Clerk, which warrant shall specify the fund from which the money is to be paid; provided that school moneys shall be paid to the treasury of school district number one of the City of Ann Arbor upon the warrant of the President and Secretary of said board. The Common Council may, at any regular meeting thereof by resolution duly adopted by a majority of all the members elect authorize the issuing of bonds to the amount not exceeding five hundred thousand dollars outstanding at any one time, for the purpose of paving any alley, street or streets in such city, such bonds to run for a period not exceeding ten years from the date of their issue, and at a rate of interest not exceeding five per cent per annum and the Common Council for the purpose of carrying out this provision may pass such ordinance or ordinances as may be deemed necessary.

For amendment of Section 186 of the Charter. Yes ()

For amendment of Section 186 of the Charter. No ()

Adopted by following vote: Yeas. Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spethel, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

By Alderman Johnson:

Resolved, That Section 75 of the Charter of the City of Ann Arbor be and the same is hereby amended to read as follows:

Section 75. The council shall prescribe the rules of its own proceedings and keep a record on the journal thereof. All votes of appointments to office and measures incurring expense, and on the adoption of all ordinances, shall be taken by yeas and nays, and be so entered upon the journal as to show the names of those voting in the affirmative and those in the negative. Any one member of the council shall have the right to demand the yeas and nays on any question and all votes shall be entered at large on the journal; and within ten days after any meeting of the council all the proceedings and votes taken thereat shall be printed in such form as

shall be prescribed by rule of the common council.

Resolved, That a special election be and the same is hereby called and will be held on Monday, the seventh day of April, A. D. 1924, in pursuance of the state law and the charter of this city, to vote upon the question of amendment to the section of the charter of the city of Ann Arbor, as aforesaid.

Resolved further, That said election be held in the several wards of the city of Ann Arbor, as follows:

First ward, voting room, basement of City Hall; Second ward, ward building on South Ashley street; Third ward, ward building on Miller avenue; Fourth ward, voting room, basement of Armory, North Fifth avenue; Fifth ward, ward building corner of Swift and Pontiac streets; Sixth ward voting room in old engine house East University avenue; Seventh ward, first precinct, city building on Mary street; Seventh ward, second precinct, voting room in Eberbach school, corner Wells street and Forest avenue.

Resolved, further, That the City Clerk of said city be and is hereby authorized to issue the usual call for said special election pursuant to the state law and charter of the city of Ann Arbor, and to cause to be printed ballots for the use of the electors at said election, which ballots shall be printed upon white paper of equal width and length and shall read:

Section 75. The council shall prescribe the rules of its own proceedings and keep a record on the journal thereof. All votes of appointments to office and measures incurring expense, and on the adoption of all ordinances, shall be taken by yeas and nays and be so entered upon the journal as to show the names of those voting in the affirmative and those in the negative. Any one member of the council shall have the right to demand the yeas and nays on any question, and all votes shall be entered at large on the journal; and within ten days after any meeting of the council all the proceedings and votes taken thereat shall be printed in such form as shall be prescribed by rule of the common council.

For amendment of Section 75 of the Charter. Yes ()

For amendment of Section 75 of the Charter. No ()

Adopted by following vote:
Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

By Alderman Freeman:

Resolved, That Section 141 of the Charter of the City of Ann Arbor be and the same is hereby amended to read as follows:

Section 141. The city attorney shall act as legal adviser of said board; and the city clerk shall be the clerk thereof, and shall keep a full record of its proceedings showing the vote of yeas and nays of each member upon all orders, resolutions or recommendations which records shall be deemed to be public records, and shall at all times be open to the public inspection; and the marshal with his deputies and policemen shall be at the service of the board in serving the sidewalk notices, and enforcing the ordinances relative to the repair of sidewalks. A majority of the board shall form a quorum for the transaction of business, but a majority of all members constituting said board shall be necessary to decide any questions before the same. The board shall have the power to make all such by-laws, rules and regulations as may be necessary or expedient for the conduct of its business, not inconsistent with the provisions of the charter and ordinances of the city. It shall have the power to fix the duties, and at any time to suspend or discharge any of its appointees or employees and appoint or employ others in their places (as to the said board the public interest may seem to require) except as otherwise provided in this act.

Resolved That a special election be and the same is hereby called and will be held on Monday, the seventh day of April, A. D. 1924 in pursuance of the state law and the charter of this city, to vote upon the question of amendment to the section of the charter of the city of Ann Arbor, as aforesaid.

Resolved, further, that said election be held in the several wards of the city of Ann Arbor, as follows:

First ward, voting room, basement of City Hall; Second ward, ward building on South Ashley street; Third ward, ward building on Miller avenue; Fourth ward voting room basement of Armory, North Fifth avenue; Fifth ward, ward building corner of Swift and Pontiac streets; Sixth ward, voting room in old engine house East University avenue; Seventh ward first precinct, city building on Mary street; Seventh ward second precinct voting room in Eberbach school, corner of Wells street and Forest avenue.

Resolved, further, That the City Clerk of said city be and is hereby authorized to issue the usual call for said special election pursuant to the state law and charter of the city of Ann Arbor, and to cause to be printed ballots for the use of the electors at said election, which ballots shall be printed upon white paper of equal width and length and shall read:

Section 141 The city attorney shall act as legal adviser of said board; and the city clerk shall be the clerk thereof and shall keep a full record of its proceedings showing the vote of yeas and nays of each member upon all orders, resolutions or recommendations which records shall be deemed to be public records, and shall at all times be open to the public inspection; and the marshal with his deputies and policemen shall be at the service of the board in serving the sidewalk notices and enforcing the ordinances relative to the repair of sidewalks. A majority of the board shall form a quorum for the transaction of business but a majority of all members constituting said board shall be necessary to decide any questions before the same. The board shall have the power to make all such by-laws rules and regulations as may be necessary or expedient for the conduct of its business, not inconsistent with the provisions of the charter and ordinances of the city. It shall have the power to fix the duties and at any time to suspend or discharge any of its appointees or employees and appoint or employ others in their places (as to

the said board the public interest may seem to require) except as otherwise provided in this act.

For amendment of Section 141 of the Charter. Yes ()

For amendment of Section 141 of the Charter. No ()

Adopted by following vote: Yeas, Ald Johnson, Slauson, Graf Haarer, Lucas, Henderson, Donnelly, Spathelf Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

By Ald. White:

Resolved, that the City Clerk make all necessary arrangements for elections to be held April 7, 1924, including the special elections ordered by the Board of Supervisors of Washtenaw County, at which said special elections will be submitted the questions whether or not the boundaries of the City of Ann Arbor, Michigan, shall be changed so as to include within the corporate limits of and annex to the said city of Ann Arbor and detach from the Township of Ann Arbor, Washtenaw County, Michigan, any or all of four certain pieces of parcels of land, as described in resolutions adopted by said Board of Supervisors; and which elections shall be held at the usual ward polling places from 7 o'clock a. m. until 8 o'clock p. m., Central Standard Time.

Resolved, further, that the Abbot voting machines be used for the election of officers at said election.

Resolved, further, that the City Clerk make all necessary arrangements for registration to precede said elections and that registration shall be at the office of the City Clerk during regular office hours and that on the third and fourth Saturdays preceding elections the office of City Clerk shall be open from 8 o'clock a. m. until 8 o'clock p. m., Central Standard Time, for the purpose of registration; and the City Clerk be authorized to appoint such deputies as may be necessary for registration and to properly comply with absent voters law, such deputies to receive such compensation as the Finance Committee may determine.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf,

Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

Chair announced that nominations were in order for officers of Poor Commissioner and City Physician. A. d. Spathelf nominated Mr. John H. Shadford for Poor Commissioner.

By Ald. Spathelf: Resolved, that John H. Shadford be and he is hereby appointed Poor Commissioner for the year beginning the first Monday in March, 1924, at a salary of fifty dollars per month.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

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

By Ald. Spathelf:
Resolved, that Dr. Edwin C.

Ganzhorn be and he is hereby appointed City Physician for the year beginning the first Monday in March, 1924, at a salary of fifty dollars per month.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden 12. Nays, none.

Moved by Ald. Haarer, that the Board of Public Works be given complete authority in the matter of employing and discharging janitor for City Hall.

Adopted by following vote: Yeas, Ald. Johnson, Slauson, Graf, Haarer, Lucas, Henderson, Donnelly, Spathelf, Moore, Freeman, White, Pres. Sugden, 12. Nays, none.

On motion of Ald. Spathelf, Council adjourned.

ISAAC G. REYNOLDS,
City Clerk.