

Council Chamber Ann Arbor, Mich., Feb. 16, 1925.

Regular Session

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

Present: Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Dwyer, Nichols, Moore, White, Freeman, Gram, 11.

Absent: Ald. Haarer Ware, Pres. Sugden, 3.

Minutes of Jan. 19, and Feb. 2, 1925, approved.

From Board of Public Works

Moved by Mr. Atwell, that Board ask council for permission to purchase two drawing tables for Engineer Department at a cost not to exceed \$70.00.

(Council Action)

Moved by Ald. Jocelyn, that request be granted.

Adopted by following vote: Yeas Ald Slauson, Jocelyn, Graf, Henderson, Lucas, Dwyer, Nichols, Moore, White, Freeman, Gram, 11. Nays, none.

(From Board)

Plat of Wildwood Park addition number one was presented.

Moved by Mr. Rentschler, that plat be approved and referred to council for acceptance and that the clerk be instructed not to sign plat until after the bond had been executed to properly grade and gravel all streets.

(Council action)

Referred to Street Committee. To the Honorable, the Common Council,

Ann Arbor, Michigan.

Gentlemen:

I hereby announce the appointment of George W. Lutz of 252 Crest-av., Ann Arbor, as Voting Machine Custodian for Washtenaw county in accordance with the election laws, to serve until January 1, 1927, or until his successor shall be appointed and qualified.

CLARAMON L. PRAY,
County Clerk of Washtenaw County, Michigan

I hereby concur in the above appointment of George W. Lutz as voting machine custodian for the City of Ann Arbor, Michigan.

ISAAC G. REYNOLDS
City Clerk

Moved by Ald. Jocelyn that appointment be confirmed.

Adopted by following vote: Yeas Ald Slauson, Jocelyn, Graf, Henderson, Lucas, Dwyer, Nichols

Moore, White, Freeman, Gram, 11. Nays, none.

Communication from Representative Charles A. Sink stating that sentiment of Legislature was against apportioning to cities a share of the money received from gasoline and weight taxes and licenses, received and ordered on file.

Communication from C. H. Clark, requesting that his name be withdrawn from bond for erection and installation of electric sign, received and referred to Bond Committee.

Communication from Committee on Curb market with report showing payment of \$1,100.00 to City Treasurer and balance in bank of \$43 67 received and referred to Street Committee.

Petitions

Of Mrs. O. Bethke, et al, to continue Curb market, received and referred to Street committee.

Of Fred A. Myers and 77 others requesting that motor bus service be extended on Broadway, received and referred to Railway committee.

Of Jay Tompkins and 88 others requesting that a bus line be extended to south end of pavement on State-st., received and referred to Railway committee.

Of Ellen Shankland and 84 others requesting bus service on Packard road as far as Mantle's Grocery Store, received and referred to Railway committee.

Of Fred W Staebler, et al, for sidewalk on both sides of Eighth-st. from Liberty-st. south, received and referred to Sidewalk committee.

Lateral Sewer Petition

Of Wm. H. Morton for lateral sewer on Morton-av. and on Shadford road, between Baldwin-av. and Ferdon road, received and referred to Sewer committee.

Curb & Gutter Petitions

Of William F. Eddy, et al for curb and gutter on Kenwood-av. between Jackson-av. and Abbot-av. and petition of Rudolph E. Jedele, et al, for curb and gutter on W. Madison-st. between Ashley st and S. Seventh-st., received and referred to Street Committee.

Pavement Petitions

Of Alvin H. Pommerening, et al, for pavement on W. Washington-st. from Ashley-st. to Revena-blvd. and on Revena-blvd. from Washington-st. to Huron-st. and

on First-st. from Liberty-st. to Huron-st.; and petition of E. L. Schumacher, et al, for pavement on Ingalls-st. from N. University-av. to E. Kingsley-st. and on E. Kingsley-st. from N. Ingalls-st. to N. State-st., received and referred to Street committee

Committee Reports
Finance Report
Fire Fund.

Chas. Andrews, salary	95.16
Henry McLaren, salary....	81.48
Ralph Edwards, salary	81.48
Jacob Gwinner, salary	77.65
Herman Kruse, salary	77.65
Frank Markey, salary	74.64
Emil 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	74.64
Walter Fieldcamp, salary..	74.64
Percy Whitlock, salary	74.64
Edw. Zeeb, salary	67.96
Geo. Schmidt, salary	67.96
Henry Kolander, salary.....	67.96
Albert Hoffman, salary	67.96
Elmer Rintz, salary	67.96
Oscar Rintz, salary	67.96
Earnst Heller, salary	67.96
Ira Nevarre, salary	67.96
Frank Ryan, salary	67.96
Harold Gauss, salary	67.96
Laurence Chatterton, salary	67.96
John Waterman, salary	67.96
Chas. Carroll, salary	42.61

Fire Fund total salaries
1-2 mo. Feb.\$ 2,241.87

Police Fund.

Thos. O'Brien, salary	95.16
Frank Keihl, salary	79.16
Louis Foehy, salary	79.16
W. J. Aprill, salary	74.64
Ed. Blumhardt, salary.....	74.64
Marland Howard, salary..	74.64
Geo. Randel, salary	74.64
Chas. Kapp, salary	74.64
Carl Arnold, salary	74.64
Thos. Fohey, salary	74.64
Sherman Mortensen, salary	74.64
Arnold Busch, salary	74.64
Norman Cook, salary	74.64
Albert Heusel, salary	67.96
Irwin Keebler, salary	67.96

Harold Gee, salary	67.96
Clifford Canfield, salary	67.96
Frank Andrews, salary	67.96

Police Fund total salaries 1-2 mo. Feb.\$ 1,339.68

Water Works Fund.

Harry Willshre, salary	64.62
Emanuel Sodt, salary	77.55
Fred Linde, salary	68.75
Robert Rowe, salary	62.50
Robert Young, salary	57.50
Durward Young, salary	50.00
A. E. Hawkes, salary	62.50
C. W. Shetterly, salary.....	77.55
Donna Woodward, salary..	57.50
William Groves, salary	62.50
J. C. Ledwidge, salary	62.50

Water Works Fund total semi-monthly salaries.\$ 703.47

Contingent Fund.

Frank Marz, salary 1-2 mo.	\$ 74.64
Patrick Martin, salary 1-2 mo.	50.00

Total salaries

Engineer Dept.

Jim Acqui, services	7.80
Wm. J. Chamber, services	75.00
Geo. E. Hodgins, services..	75.00
V. W. McAdam, services....	87.50
Fred Schmid, services	75.00

Engineer Dept. total.....\$ 320.30

Mich Bell. Tel. Co., tolls....	.40
Water Works Dept., water	3.16
Potter, Allshouse & Richards, Inc., insurance	828.98
Julius F. Haarer, insurance	1,572.84
Banner Laundering Co., laundry	6.00
James Coon, services	59.27
Willis Blakeslee, services..	75.00
Emma Crippen, services	40.00
J. H. Cissel, services	88.75
Eugene Dietzgen Co., supplies	23.50
Ann Arbor Foundry Co., supplies	10.50
Eberbach & Son Co., supplies	8.60
Jno. C. Fischer Co., supplies .....	.75
The Goodyear Drug Co., supplies	2.90
Wm. Goodyear & Co., supplies	1.60
The Home Supply Store, supplies	1.50
The Mayer-Schairer Co.,	

supplies	31.60	plies & services	55.46
C. D. Morrill, typewriter..	50.00	Martin Hallen, supplies &	
Municipal Garage (Health		services	26.46
Dept.)	39.14	Post Office, supplies	43.84
The Quarry Drug Store,		Ernst Brothers Electric	
supplies	1.50	Shop, wiring house Sta.	
The C. A. Sauer Co., sup-		2	131.50
plies	76.38	City of Ann Arbor Street	
Schumacher Hardware		Dept., repairs	11.30
Co., supplies	1.00	Municipal Garage, services	
Geo. Wahr, supplies	26.96	& repairs	154.49
The Artificial Ice Co., ice	3.25	Fred T. McOmber, ins.	355.76
Ann-A Fuel Co., fuel	152.04	Detroit Edison Co., light &	
Holland, Ackerman & Hol-		power	1,347.80
land, blue prints	18.46	Mich. Central Railroad,	
Rogers Poster Service,		freight	7.13
posting notices	5.00	Ann Arbor Railroad,	
The Ann Arbor Times		freight	76.32
News, printing	255.50	Water Works Dept., ex-	
The Athens Press, printing	6.00	pende	8.77
Washtenaw Post, printing	2.25		
Weinberg & Kurtz, build-		Total supplies, etc.	\$ 3,758.67
ing cistern	135.00	L. Gerrick, labor	\$ 62.40
C. H. Kittredge ,repairs,		A. Gerstler, labor	62.40
etc.	6.48	L. Furthmueller, labor....	62.40
Chas. Henning, labor		W. Western, labor	62.40
dumping ground	78.00	A. Jedele, labor	60.00
Geo. W. Lutz, repairs	2.00	H. Maier, labor	70.00
I. G. Reynolds, recording			
deed	1.06	Total labor	\$ 379.60
Total supplies, etc.	\$ 3,615.37	Water Works fund total	
		including salaries	\$ 4,841.74
Contingent Fund total,		Park Fund.	
including salaries	\$ 4,060.31	Geo. Davis, labor	\$ 59.40
		Ezra Moore, labor	52.00
Fire Fund.			
Washtenaw Motor Co.,		Total labor	\$ 111.40
Studebaker roadster	\$ 1,571.00	Water Works Dept.,	
		water	\$ 3.37
Fire Fund total includ-		Ernst Bros. Electric Shop,	
ing salaries	\$ 3,612.87	supplies	4.00
		Geo. J. Moe, supplies	3.50
Street Lighting Fund.		Municipal Garage, sup-	
The Detroit Edison Co.,		plies, etc.	9.78
light	\$ 2,025.22		
Water Works Fund.		Total supplies, etc.	\$ 20.65
Neptune Meter Co., sup-			
plies	\$ 139.86	Park Fund total	\$ 132.05
Mueller Co., supplies	1,258.71		
Electro Bleaching Gas Co.,		Street Fund.	
supplies	48.43	L. G. Bird, labor	\$ 53.20
Pruner Coal Co., supplies..	71.20	Chris. Paul, labor	10.50
C. H. Kittredge, supplies..	1.50	Chris. Pfaus, labor	6.00
Eberbach & Son Co., sup-		Wm. Clark, labor	2.00
plies	3.75	Fred Hanselman, labor ...	49.40
Geo. Wahr, supplies	1.75	Carl Janke, labor	15.60
Mayer-Schairer Co., sup-		Sam. Kalmbach, labor	9.00
plies	1.25	Wm. Kappler, labor	50.40
Schumacher & Backus,		James Mason, labor	42.25
supplies	3.05	Ed. Roehm, labor	32.50
Sam C. Andres, supplies ...	6.91	Chas. Schmid, labor	8.50
no. C. Fischer Co., sup-		Carl Seeger, labor	4.00
plies	3.43	Martin Walsh, labor	30.50
Detroit Edison Co., sup-			

John Moore, team	31.50
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Total labor	\$ 345.35
Water Works Dept., water	\$ 3.00
Theo. Lane, services	10.50
The Hadfield-Penfield Steel Co., supplies	48.00
Wirt & Knox. Mfg. Co., supplies	12.00
Jno. C. Fischer Co., sup- plies	10.30
Hertler Bros., supplies	9.64
C. H. Kittredge, supplies, etc.	3.85
Schlenker's Hardware, etc.	10.75
John H. Powell, sidewalk	7.20
Walf & Colvin, repairs	12.30
Mich. Central R. R., freight	1.45
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Total supplies, etc.	\$ 128.99
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Street Fund total	\$ 474.34

Recapitulation.

Contingent	\$ 4,060.31
Fire	3,612.87
Police	1,339.68
Street Lighting	2,025.22
Water Works	4,841.74
Park	132.05
Street	474.34

Total City Funds\$16,486.21

Ann Arbor, Mich., Feb. 16, 1925.

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, 1925. We recommend that same be approved and that warrants be ordered drawn for foregoing accounts.

H. W. NICHOLS,
W. L. HENDERSON,
Finance Committee.

Ald. Nichols moved to the adoption of report which was adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Dwyer, Nichols, Moore, White, Freeman, Gram, 11. Nays, none.

Ald. Nichols presented City Engineer's estimate, approved by Board of Public Works Feb. 4, 1925 as follows: Lateral Sewer, Dist. No. 147, fifth estimate, Wm. Eddy & Son contractor, amount due, \$1,588.25.

Moved by Ald. Nichols, that estimate be allowed and City Clerk instructed to draw warrant for amount due.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Dwyer, Nichols, Moore, White, Freeman, Gram, 11. Nays, none.

Street Committee Report

To the Honorable the Common
Council

Gentlemen:

Your street committee respectfully recommends:

1 That the warranty deed from the Koch Building and Supply Company, a Michigan corporation, to the City of Ann Arbor, for parcel of land to be used for street purposes, known and described as follows, to wit: Commencing at an iron pipe in the west line of East Park place, 248 feet south of the south line of Granger avenue; thence west parallel to Granger avenue, 429 feet to an iron pipe in the East line of White street 248 feet south of Granger avenue; thence south in the east line of White street, 40 feet to an iron pipe; thence east parallel to Granger avenue, 429 feet to an iron pipe in the west line of East Park place; thence north, 40 feet to the place of beginning, being a part of the Private Park, not dedicated, as shown on the plat of Hamilton, Rose and Sheehan's addition to the City of Ann Arbor, be accepted. Said deed has been approved by City Attorney.

2. That the proposal of The Koch Building and Supply Company to file a bond insuring the city that they will grade and gravel the proposed street after underground work is completed be accepted and bond referred to City Attorney for approval.

3. That the request that said proposed street be named "Oakwood Place" be referred to Ordinance Committee.

Respectfully submitted, Benj. H. Graf, Louis P. Jocelyn, E. E. Lucas, A. H. White, W. S. Moore, J. E. Dwyer, street committee.

Ald. Graf moved the adoption of report which was adopted by

of Dept.	13,741.61
Water Dep't Sinking Fund—Rec'd from mgr. of Dep't	2,500.00
Uncollected City Tax—Taxes Collected	7,045.24
Rejected Tax — Taxes collected	1,613.86

Totals	\$ 21,871.10
On hand, Jan. 2, 1925..	\$175,434.11

Warrants paid	43,706.68
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On hand, Feb 2, 1925..	\$163,414.53
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Disbursements—	
Contingent	\$ 7,932.44
Cemetery	95.80
Fire Dep't	5,036.45
Police	2,696.00
Poor	106.14
Street	1,980.96
Park	678.13
Street Light	2,034.94
Sidewalk Building	7.04
Bridge, Culvert and Crosswalk	6,854.03
Water Works General Fund	14,670.34
Rejected tax	1,613.86

On Hand—	
Contingent	\$ 45,260.13
Cemetery	1,359.88
Fire Dept	36,999.97
Police	17,862.80
Poor	1,067.74
Street	29,081.43
Park	784.94
Street Light	10,620.17
Bridge, Culvert and Crosswalk	3,098.09
Water Works General Fund	8,083.24
Special Water Works (Completion)	4,881.02
Water Dep't Sinking Fund	31,405.15
Water — (Hydrant, Rental, etc)	11,961.63
Total	\$207,466.24
	44,051.71

On hand Feb. 2, 1925..	\$163,414.53
Overdrawn—	
Sidewalk building	\$ 4,401.81
Uncollected City Tax..	14,583.37
Delinquent Tax	24,255.65
Comfort Station	810.88
Total	\$ 44,051.71
Warrants Outstanding—	

Contingent	\$ 405.87
Fire Dep't	10.50
Police	472.44
Street	305.89
Park	25.00
Water Works General Fund	53.64

On hand Feb. 2, 1925..	\$ 1,273.34
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State, County and School Funds	
Receipts—	
State Tax	
Taxes collected	\$ 14,844.17
County Tax	
Taxes collected	30,925.35
School Tax	
Taxes collected	69,272.79

Total	\$115,042.31
On hand, Jan. 2, 1925..	\$517,840.17

Warrants paid	\$335,000.00
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On hand, Feb. 2, 1925 ..	\$297,882.48
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Disbursements—	
State Tax	\$ 85,000.00
County Tax	100,000.00
School Tax	150,000.00
Total	\$335,000.00

On Hand—	
State Tax	\$ 9,565.48
County Tax	97,011.42
School Tax	191,305.58

Totals	\$297,882.48
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Sewer Funds

LABOR ACCOUNT—

Receipts—	
Sewer Dist. No. 142	
Bonds sold	\$ 2,477.64
Sewer Dist. No. 143	
Bonds sold	9,983.60
Sewer Dist. No. 144	
Bonds sold	4,008.62
Sewer Dist. No. 145	
Bonds sold, \$12,921.99	
acrued int., \$7.50	12,929.49
Sewer Dist. No. 146	
Bonds sold	1,099.60
Sewer Dist. No. 147	
Bonds sold, \$24,681.25	
acrued int., \$3.75	24,685.00

Disbursements—	
Sewer Dist. No. 136	\$ 104.32
Sewer Dist. No. 137	1,668.32
Sewer Dist. No. 138	595.91
Sewer Dist. No. 139	141.10
Sewer Dist. No. 140	1,836.69
Sewer Dist. No. 142	218.34
Sewer Dist. No. 143	1,526.10
Sewer Dist. No. 144	1,409.85
Sewer Dist. No. 145	809.87
Sewer Dist. No. 147	3,499.20

On Hand—			Sewer Dist. No. 113....	32.02
Sewer Dist. No. 89....\$	177.60		Sewer Dist. No. 115....	146.90
Sewer Dist. No. 91....	80.97		Sewer Dist. No. 117....	219.95
Sewer Dist. No. 92....	98.92		Sewer Dist. No. 119....	455.91
Sewer Dist. No. 95....	312.29		Sewer Dist. No. 120....	173.70
Sewer Dist. No. 96....	247.01		Sewer Dist. No. 124....	29.44
Sewer Dist. No. 98....	63.60		Sewer Dist. No. 125....	66.19
Sewer Dist. No. 99....	40.75		Sewer Dist. No. 128....	98.06
Sewer Dist. No. 100....	33.00		Sewer Dist. No. 133....	63.02
Sewer Dist. No. 101....	206.78			
Sewer Dist. No. 103....	197.20		Total	\$ 56,909.44
Sewer Dist. No. 104....	377.15		Overdrawn Jan. 2, 1925	31,719.72
Sewer Dist. No. 107....	42.93			
Sewer Dist. No. 108....	19.63			25,189.72
Sewer Dist. No. 109....	28.01		Warrants paid	11,809.70
Sewer Dist. No. 110....	200.80			
Sewer Dist. No. 111....	262.40		On hand, Feb. 2, 1925..\$	13,380.02
Sewer Dist. No. 112....	631.15		On Hand—	
Sewer Dist. No. 113....	13.68		Sewer Dist. No. 90....\$	339.13
Sewer Dist. No. 114....	118.93		Sewer Dist. No. 91....	22.48
Sewer Dist. No. 115....	138.04		Sewer Dist. No. 92....	9.91
Sewer Dist. No. 116....	55.24		Sewer Dist. No. 93....	306.24
Sewer Dist. No. 117....	96.24		Sewer Dist. No. 97....	307.36
Sewer Dist. No. 118....	204.03		Sewer Dist. No. 98....	34.50
Sewer Dist. No. 119....	924.17		Sewer Dist. No. 100....	65.80
Sewer Dist. No. 121....	73.00		Sewer Dist. No. 102....	137.84
Sewer Dist. No. 122....	564.30		Sewer Dist. No. 105....	64.34
Sewer Dist. No. 123....	8.15		Sewer Dist. No. 106....	177.94
Sewer Dist. No. 124....	45.20		Sewer Dist. No. 107....	56.65
Sewer Dist. No. 125....	559.01		Sewer Dist. No. 108....	92.04
Sewer Dist. No. 126....	243.10		Sewer Dist. No. 109....	164.50
Sewer Dist. No. 127....	77.02		Sewer Dist. No. 110....	28.32
Sewer Dist. No. 129....	88.54		Sewer Dist. No. 114....	164.34
Sewer Dist. No. 130....	139.34		Sewer Dist. No. 115....	137.70
Sewer Dist. No. 133....	80.41		Sewer Dist. No. 116....	279.01
Sewer Dist. No. 134....	71.34		Sewer Dist. No. 117....	102.26
Sewer Dist. No. 135....	60.41		Sewer Dist. No. 118....	7.75
Sewer Dist. No. 136....	964.55		Sewer Dist. No. 121....	21.60
Sewer Dist. No. 137....	275.99		Sewer Dist. No. 124....	45.87
Sewer Dist. No. 138....	1,294.86		Sewer Dist. No. 126....	933.76
Sewer Dist. No. 139....	73.47		Sewer Dist. No. 127....	126.10
Sewer Dist. No. 140....	1,371.30		Sewer Dist. No. 128....	144.05
Sewer Dist. No. 142....	194.66		Sewer Dist. No. 130....	248.94
Sewer Dist. No. 143....	801.20		Sewer Dist. No. 131....	506.54
Sewer Dist. No. 144....	977.84			
Sewer Dist. No. 145....	923.65		Total	\$ 23,969.17
Sewer Dist. No. 146....	325.60			10,589.15
Sewer Dist. No. 147....	5,660.74		On Hand Feb. 2, 1925..\$	13,380.02
Overdrawn—			Overdrawn—	
Sewer Dist. No. 90....\$	302.82		Sewer Dist. No. 88....\$	57.14
Sewer Dist. No. 92....	293.15		Sewer Dist. No. 89....	91.97
Sewer Dist. No. 105....	93.87		Sewer Dist. No. 94....	191.83
Sewer Dist. No. 106....	20.53		Sewer Dist. No. 95....	334.85
Sewer Dist. No. 120....	1,059.71		Sewer Dist. No. 96....	197.58
Sewer Dist. No. 128....	281.28		Sewer Dist. No. 99....	115.60
Sewer Dist. No. 131....	489.02		Sewer Dist. No. 101....	5.43
Sewer Dist. No. 132....	403.81		Sewer Dist. No. 103....	127.82
TAX ACCOUNT—			Sewer Dist. No. 104....	154.28
Receipts—			Sewer Dist. No. 111....	1,272.65
Sewer Dist. No. 90			Sewer Dist. No. 112....	362.90
Taxes collected	\$ 32.33		Sewer Dist. No. 113....	64.54
Sewer Dist. No. 101....	278.21		Sewer Dist. No. 119....	329.80
Sewer Dist. No. 105....	39.80		Sewer Dist. No. 120....	559.11
Sewer Dist. No. 107....	21.93		Sewer Dist. No. 122....	134.98
Sewer Dist. No. 108....	10.99		Sewer Dist. No. 123....	29.08
Sewer Dist. No. 110....	57.04			

Sewer Dist. No. 125.....	18.57
Sewer Dist. No. 129.....	316.52
Sewer Dist. No. 132.....	2,108.11
Sewer Dist. No. 133.....	145.49
Sewer Dist. No. 134.....	109.57
Sewer Dist. No. 135.....	252.36
Sewer Dist. No. 136.....	658.78

Total\$ 10,589.15

Pavement Funds

LABOR ACCOUNT—

Receipts—

Paving Dist. No. 58	
Bonds sold	\$ 30,000.00
Paving Dist. No. 59.....	6,000.00
Paving Dist. No. 60.....	2,200.00
Paving Dist. No. 61.....	6,500.00
Paving Dist. No. 62.....	1,400.00
Paving Dist. No. 63.....	27,000.00

On Hand—

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.....	2,410.23
Paving Dist. No. 54.....	2,309.73
Paving Dist. No. 56.....	4,999.35
Paving Dist. No. 57.....	55.27
Paving Dist. No. 59.....	113.91
Paving Dist. No. 60.....	27.81
Paving Dist. No. 62.....	5.45
Paving Dist. No. 63.....	285.61

Overdrawn—

Paving Dist. No. 51.....\$	645.49
Paving Dist. No. 55.....	1,173.29
Paving Dist. No. 58.....	918.32
Paving Dist. No. 61.....	26.92

TAX ACCOUNT—

Receipts—

Paving Dist. No. 30.....\$	48.64
Paving Dist. No. 36.....	80.65
Paving Dist. No. 39.....	96.53
Paving Dist. No. 40.....	55.65
Paving Dist. No. 41.....	15.43
Paving Dist. No. 44.....	108.87
Paving Dist. No. 45.....	9.52
Paving Dist. No. 46.....	9.45
Paving Dist. No. 47.....	13.31
Paving Dist. No. 48.....	171.99
Paving Dist. No. 49.....	340.62
Paving Dist. No. 51.....	10.94
Paving Dist. No. 52.....	200.04
Paving Dist. No. 53.....	63.89

\$ 74,325.53

Overdrawn, Jan. 2, 1925.. 50,138.93

\$ 24,186.60

Warrants paid 45.00

On hand, Feb. 2, 1925..\$ 24,141.60

Disbursements —

Paving Dist. No. 34.....\$	20.00
Paving Dist. No. 55.....	25.00

Total\$ 45.00

On Hand—

Paving Dist. No. 33.....\$	366.05
Paving Dist. No. 35.....	147.29
Paving Dist. No. 38.....	218.42
Paving Dist. No. 40.....	1,249.27
Paving Dist. No. 43.....	1,813.38
Paving Dist. No. 44.....	1,328.16
Paving Dist. No. 45.....	1,124.02
Paving Dist. No. 46.....	542.33
Paving Dist. No. 47.....	720.23
Paving Dist. No. 48.....	1,376.22
Paving Dist. No. 49.....	1,332.20
Paving Dist. No. 51.....	835.77
Paving Dist. No. 52.....	3,942.99
Paving Dist. No. 53.....	2,023.79
Paving Dist. No. 54.....	1,031.00
Paving Dist. No. 55.....	1,990.32

Total\$ 38,982.92
14,841.32

On hand, Feb. 2, 1925..\$ 24,141.60

Overdrawn—

Paving Dist. No. 27.....\$	600.00
Paving Dist. No. 28.....	1,836.00
Paving Dist. No. 29.....	1,499.50
Paving Dist. No. 30.....	626.43
Paving Dist. No. 32.....	66.20
Paving Dist. No. 34.....	743.82
Paving Dist. No. 36.....	174.57
Paving Dist. No. 37.....	171.42
Paving Dist. No. 39.....	4,443.45
Paving Dist. No. 41.....	893.05
Paving Dist. No. 42.....	71
Paving Dist. No. 50.....	1,022.15

Total\$ 14,841.32

Curb-Gutter Funds

LABOR ACCOUNT—

On Hand—

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

Receipts—

Curb-Gutter No. 6.....\$	15.16
Curb-Gutter No. 8.....	22.68

Curb-Gutter No. 9....	17.08	Curb-Gutter No. 49....	4.78
Curb-Gutter No. 10....	6.62	Curb-Gutter No. 51....	23.40
Curb-Gutter No. 11....	15.95	Curb-Gutter No. 52....	18.24
Curb-Gutter No. 15....	11.53	Curb-Gutter No. 58....	7.12
Curb-Gutter No. 16....	30.13	Curb-Gutter No. 60....	15.30
Curb-Gutter No. 20....	17.82		
Curb-Gutter No. 21....	7.77	Total	\$ 576.21
Curb-Gutter No. 22....	40.32	O'drawn Jan. 2, 1925..	371.49

Disbursements —

Curb-Gutter No. 2....\$	281.32	Warrants paid	\$ 204.72
Curb-Gutter No. 3....	371.74		22,198.63
Curb-Gutter No. 4....	372.10	O'drawn Feb. 2, 1925..	\$ 21,993.91
Curb-Gutter No. 5....	483.36	Disbursements—	
Curb-Gutter No. 6....	326.74	Curb-Gutter No. 24....\$	385.90
Curb-Gutter No. 7....	582.00	Curb-Gutter No. 26....	916.53
Curb-Gutter No. 8....	388.99	Curb-Gutter No. 27....	71.78
Curb-Gutter No. 9....	298.62	Curb-Gutter No. 28....	572.20
Curb-Gutter No. 10....	343.48	Curb-Gutter No. 38....	1,440.45
Curb-Gutter No. 11....	564.00	Curb-Gutter No. 39....	1,419.99
Curb-Gutter No. 12....	1,225.72	Curb-Gutter No. 41....	473.09
Curb-Gutter No. 13....	250.75	Curb-Gutter No. 44....	536.64
Curb-Gutter No. 14....	175.72	Curb-Gutter No. 48....	1,093.09
Curb-Gutter No. 15....	801.95	Curb-Gutter No. 49....	498.67
Curb-Gutter No. 16....	1,150.55	Curb-Gutter No. 50....	575.00
Curb-Gutter No. 17....	424.11	Curb-Gutter No. 51....	151.42
Curb-Gutter No. 18....	221.80	Curb-Gutter No. 52....	270.75
Curb-Gutter No. 19....	309.75	Curb-Gutter No. 54....	168.16
Curb-Gutter No. 20....	561.82	Curb-Gutter No. 55....	170.74
Curb-Gutter No. 21....	223.02	Curb-Gutter No. 56....	1,200.00
Curb-Gutter No. 22....	1,072.67	Curb-Gutter No. 57....	682.52
Curb-Gutter No. 23....	172.31	Curb-Gutter No. 58....	199.11

On Hand—

Curb-Gutter No. 10....\$	124.65	Curb-Gutter No. 59....	457.79
Curb-Gutter No. 11....	269.22	Curb-Gutter No. 60....	312.28
Curb-Gutter No. 12....	398.43	Total	\$ 22,198.63
Curb-Gutter No. 13....	86.86	On Hand—	
Curb-Gutter No. 14....	56.48	Curb-Gutter No. 24....\$	119.98
Curb-Gutter No. 15....	274.41	Curb-Gutter No. 25....	415.16
Curb-Gutter No. 16....	339.56	Curb-Gutter No. 26....	296.17
Curb-Gutter No. 17....	234.13	Curb-Gutter No. 27....	2,130.84
Curb-Gutter No. 18....	12.64	Curb-Gutter No. 28....	39.26
Curb-Gutter No. 19....	117.14	Curb-Gutter No. 29....	804.49
Curb-Gutter No. 20....	151.97	Curb-Gutter No. 30....	788.71
Curb-Gutter No. 21....	97.08	Curb-Gutter No. 31....	713.69
Curb-Gutter No. 22....	471.30	Curb-Gutter No. 32....	1,314.43
Curb-Gutter No. 23....	62.96	Curb-Gutter No. 33....	719.56

TAX ACCOUNT—

Receipts—

Curb-Gutter No. 25		Curb-Gutter No. 34....	7.64
Taxes collected	\$ 10.50	Curb-Gutter No. 36....	28.87
Curb-Gutter No. 26....	84.50	Curb-Gutter No. 38....	29.82
Curb-Gutter No. 27....	15.35	Curb-Gutter No. 41....	12.06
Curb-Gutter No. 29....	21.32	Curb-Gutter No. 42....	5.95
Curb-Gutter No. 32....	5.32	Curb-Gutter No. 43....	4.95
Curb-Gutter No. 34....	7.64	Curb-Gutter No. 44....	15.57
Curb-Gutter No. 36....	28.87	Curb-Gutter No. 46....	7.36
Curb-Gutter No. 38....	29.82	Curb-Gutter No. 47....	22.16
Curb-Gutter No. 41....	12.06	Curb-Gutter No. 48....	50.94
Curb-Gutter No. 42....	5.95	Curb-Gutter No. 49....	
Curb-Gutter No. 43....	4.95	Curb-Gutter No. 50....	473.27
Curb-Gutter No. 44....	15.57	Curb-Gutter No. 51....	43.98
Curb-Gutter No. 46....	7.36		
Curb-Gutter No. 47....	22.16		
Curb-Gutter No. 48....	50.94		

Curb-Gutter No. 52....	126.96
Curb-Gutter No. 53....	320.43
Curb-Gutter No. 54....	91.58
Curb-Gutter No. 55....	34.68
Curb-Gutter No. 56....	865.39
Curb-Gutter No. 57....	274.40
Curb-Gutter No. 58....	78.49
Curb-Gutter No. 59....	278.11
Curb-Gutter No. 60....	110.81
Curb-Gutter No. 61....	535.88

Total \$ 28,974.97

Overdrawn— z2B

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
Curb-Gutter No. 62....	8,691.56
Curb-Gutter No. 63....	2,599.81
Curb-Gutter No. 64....	1,441.22
Curb-Gutter No. 65....	571.26
Curb-Gutter No. 66....	4,369.59
Curb-Gutter No. 67....	6,530.23
Curb-Gutter No. 68....	2,083.90
Curb-Gutter No. 69....	718.60
Curb-Gutter No. 70....	3,594.61
Curb-Gutter No. 71....	893.76

Overdrawn—

Curb-Gutter No. 2....\$	61.49
Curb-Gutter No. 3....	79.52
Curb-Gutter No. 4....	179.91
Curb-Gutter No. 5....	37.03
Curb-Gutter No. 6....	94.64
Curb-Gutter No. 7....	302.40
Curb-Gutter No. 8....	107.81
Curb-Gutter No. 9....	56.24

\$ 50,968.88

\$ 21,993.91

City Treasurer—appendage; budget, authorized appropriations and expenditures, statement of probable revenue for year ending June 30th, 1925. Realized revenues and expenditures covering past seven months and amounts available for use during next five months.

Funds

On Hand, July 1, 1924—	
Contingent	\$ 8,806.66
Cemetery	1,087.66
Fire Department	1,316.59
Police Department	3,262.90

Street Lighting	291.69
Water (Hydrants, etc) ..	8,219.04
Bridge, Culvert and Crosswalk	21,545.27
Water Works Completion	6,006.02
Water Works Sinking..	13,905.15

Total \$ 64,440.98

Overdrawn, July 1, 1924—

Poor	\$ 91.81
Street	7,471.76
Park	5,023.74
Water Works General..	20,162.00

Total \$ 32,749.31

Appropriation—

Contingent	\$ 84,000.00
Cemetery	800.00
Fire Department	50,766.32
Police Department	29,500.00
Poor	1,700.00
Street	87,100.00
Park	18,065.70
Street Lighting	24,000.00
Water (Hydrants etc) ..	4,146.43
Fire Dept (equipment) ..	30,000.00
Fire Dept (sites)	10,000.00
Bridge, Culvert and Crosswalk	40,000.00
Water Works General..	29,000.00

Total \$409,078.45

Receipts—

Contingent	\$ 19,477.99
Cemetery	486.50
Fire Department	100.00
Police Department	5,435.45
Poor	496.00
Street	2,378.50
Park	811.83
Water Works Gen	89,226.66
Water Works Sinking..	17,500.00

Total \$135,912.93

Disbursements—

Contingent	\$ 67,024.52
Cemetery	1,014.28
Fire Department	28,832.94
Police Department	20,335.55
Poor	1,036.45
Street	52,925.26
Park	13,068.85
Street Lighting ..	13,671.52
Water (Hydrants etc) ..	403.84
Fire Dep't (Equipment) ..	26,350.00
Bridge, Culvert and Crosswalk	53,447.18
Water Works General..	89,981.42
Water Works Completion	1,125.00

Total \$369,216.81

Outstanding Feb. 1, 1925

Contingent	\$ 405.87
Fire Department	10.50

Police Department	472.44
Street	305.89
Park	25.00
Water Works General..	53.64

Total \$ 1,273.34

Available Feb. 1, 1925—

Contingent	\$ 44,854.26
Cemetery	1,359.88
Fire Department	23,339.47
Police Department	17,390.36
Poor	1,067.74
Street	28,775.59
Park	759.94
Street Lighting	10,620.17
Water Hydrants etc.)..	11,961.63
Fire Dept (Equipment.	3,650.00
Fire Dept (Sites).....	10,000.00
Bridge, Culvert and	
Crosswalk	8,098.09
Water Works General.	8,029.60
Water Works Comple-	
tion	4,881.02
Water Works Sinking..	31,405.15

Total \$206,182.90

Est. Ad'd Rev.—

Contingent	\$ 3,500.00
Police Department	1,800.00
Street	3,400.00
Water Works General..	55,000.00
Water Works Sinking..	12,500.00

Total 76,200.00

Farmers and Mechanics Bank
Ann Arbor, Michigan
February 6th, 1925

This is to certify that Ross Granger, Treasurer of the City of Ann Arbor, had on deposit in this bank at the close of business January 31st, 1925, the sum of four hundred fifty five thousand three hundred seventy seven and nineteen one-hundredths, (\$ 455,377.19) dollars.

F. T. STOWE,
Cashier.

RECAPITULATION

City Funds on Hand...\$163,414.53	
State, County & School	
Funds on Hand	297,882.48
Sewer Funds on Hand.	13,380.02
Pavement Funds on	
Hand	24,141.60
	<hr/>
	\$498,818.63
Curb & Gutter Funds	
Overdrawn	21,993.91
On Hand February 2nd	
1925	\$476,824.72
Farmers & Mechanics	
Bank Balance	\$455,377.19
Cash & Checks in	

Vault	21,447.53
On Hand February 2nd,	
1925	\$476,824.72

ROSS GRANGER,
City Treasurer.

Report for Month of January 1925

February 2, 1925.

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

I submit the following report of expenditures for work done under my direction during the month of January, 1925.

Engineering & Clerical

Name	Amount
Geo. H. Sandenburgh	296.93
H. R. Scovill	198.94
V. W. McAdam	175.00
Geo. E. Hodgins	150.00
Robert F. James	150.00
Wm. J. Chambers	150.00
F. Schmid	127.66
Clara M. Mast	105.00
Julius Lohrke	101.72
L. D. Corlett	77.40
Gordon E. Bachman	7.21
H. J. McPherson	7.20

\$1,547.00

Chargeable to	Amount
1. Accounts	24.83
2. Records	562.06
3. Correspondence	4.15
4. Reports, annual &	
monthly	238.09
5. Council, board meet-	
ings	12.31
6. Inspection plumbing	2.13
8. Information to the	
public	25.14
10B Sewer Foreman salary	101.72
59. Sickness	
G. Sandenburgh	24.62
F. Schmid	6.39
Total	31.01
59. Vacations	
F. W. McAdam	40.96
F. Schmid	28.72
Total	69.68
66. Directing work for	
Dept.	150.51
77. Convention & Society	
meetings	49.23
157. Housing Code	12.64
335. Zoning Ordinance	45.90
358. Revena Blvd Curb &	
Gutter	2.13
360. Soule, Lutz, Maxwell,	
Wakefield, Elder Blvd.	
Curb & Gutter	11.21
368. First St. Curb & Gut-	
ter, Ann to Miller	3.59
402. Huron St., 14th St. &	
Ann St. pavement	37.24
409. Dexter pavement	23.22

410. Miner St. Curb & Gutter	19.47
411. Virginia & Charlton Ave. Curb & Gutter ..	3.59
412. Mosley St. Curb & Gutter	9.88
413. W. Hoover Ave. Curb Gutter	11.38
415. Fifth Street. Curb & Gutter	13.48
416. Forest Ave. Curb & Gutter	7.20
418. Glen Ave. pavement .	12.34
420. Pauline Blvd. Curb & Gutter	8.39
421. Summit Street. Curb & Gutter	1.79
422. Washington, First & Revena Blvd. pavement	19.20
423. W. Jefferson St. Curb & Gutter	1.80
424. Both Street Curb & Gutter	6.28
425. Harvard Place Curb & Gutter	15.57
426. E. Madison St. Pavement	5.10
427. Broadway pavement .	4.80
	<hr/>
	\$1,547.06

Sewer Work

Julius Lohrke	\$23.28
F. Schmid	22.34
L. D. Corlett	7.20
Jim Acqui	6.00
Geo. H. Sandenburgh	3.07
H. R. Scovill	1.06
	<hr/>
	\$62.95

10. San. Sewer Maintenance	61.62
11. Storm Semeer Maintenance	1.33

Supplies, Etc.

Charge-able to	Payable to	Amount
10. Wm. H. L. Rohde ..	David A. Killins & Sons	\$25.70
	Pacific Flush Tank Company	36.60
14. Eugene Dietzgen Co	John C. Fisher Co. .	21.34
	Mayer-Schairer Co...	.70
		5.55
16. Kepffel & Esser Co..	Schumacher Hard-ware Co. ....	.68
		1.12
66. Michigan Bell Tele- phone Co.		1.40
77. Geo. H. Sandenburgh		41.93
233. Michigan Central Railroad Co.		1.30
	Michigan State In- dustries	22.50
309. A. A. Railroad Co....		.50
	Jno. C. Fischer Co...	4.20

Geo. W. Lutz.....	.75
Michigan Central Railroad Co. ....	.43
Michigan State In- dustries	7.50
Schumacher Hard- ware Co.	5.35
Washtenaw Electric Shop	51.02
	<hr/>
	\$ 235.38

Total amount of ex-
penditure for month.\$1,845.39
Respectfully submitted,
GEO. H. SANDENBURGH.
City Engineer.

Ann Arbor, Mich., Feb. 1, 1925.
To the Honorable Board of Pub-
lic Works, A. R. Cole, president.

Gentlemen—Following is a re-
port of work dooe by your Street
Department during the month of
January, 1925:

Drawing snow from bus- iness district	\$ 629.76
Cleaning snow from side- walks with snow plows	81.00
Cleaning snow and ice from crosswalks	78.70
Cleaning and cutting out ice from gutters	102.40
Cleaning inlets	13.20
Escraping snow from streets with graders ...	61.10
Drawing cinders	135.93
Drawing coal for poor ..	12.45
Taking down old street signs	23.00
Taking out and drawing ashes from City Hall .	7.95
Emptying paper cans ...	6.23
Replacing street signs ...	5.60
Sanding streets	5.20
Cleaning garage	5.20
Repairing tractor on Grader No. 2 H & P ..	10.10
Cleaning out boiler on Road Roller	5.20
Cleaning lanterns	1.80
Repairing culvert at Ash- ley and Felch St.	2.60
Taking barricades on streets to protect children slid- ing on hills	1.30

Total

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	\$1,188.72

Respectfully submitted,
ALF. J. PAUL,
Street Coomimssioner.

Reports of City Treasurer, Clerk,
Engineer, Street Commissioner and
Marshal for month of January re-
ceived and ordered to take usual
course.

The annual report of the Board
of Public Works, consisting of an-

nual reports of City Engineer and Street Commissioner was presented Feb. 2, 1925, and ordered printed in minutes of this meeting

Annual Report of City Engineer

January 21, 1925.

To the Board of Public Works,

Ann Arbor, Michigan:

Gentlemen—I submit herewith a detailed report of the work done during the year 1924 by the Board of Public Works under the direction of the Engineering Department

This has been another record-breaking year, more public work being done than during any one other year in the history of the City.

Very respectfully submitted,
GEO. H. SANDENBURGH.

Pavements.

Pavements were constructed during the year 1924 in South Main Street from Packard Street to the South City Limits, Thompson Street from Liberty Street to Packard Street, Maynard Street from East William Street to East Jefferson Street, Hamilton Street from East William Street to East Jefferson Street, Observatory Street from East Ann Street to Geddes Avenue, Oak Lane from Austin Avenue to Fair Oaks Parkway, Alley in Block 2 S, R 5 E, Alley between Lincoln Avenue and Martin Place from Wells Street to Scott Street.

Pavement District No. 56, South Main Street from Packard Street to the City Limits. This is a 11-2 in.—11-2-in. sheet asphalt pavement on a six-inch plain concrete base from Packard Street to the North line of Davis Avenue. From the North line of Davis Avenue to the City Limits the six-inch concrete base is reinforced with mesh reinforcing weighing 40 lbs per 100 square feet. The contract for this pavement was awarded to the Ann Arbor Asphalt Construction Company.

Contract cost	\$78,783.69
Engineering & contingencies	940.24
Inspection	1,216.96
Sewer work and castings..	520.64
Office overhead	787.84

Total cost\$82,249.37

Distribution of Cost.

City's share, \$26,022.87—31.70 per cent of total cost

Property owners' share, \$56,226.50—68.30 per cent of total cost.

District No. 57.

Alley in Block 2 S, R 5 E

This is a seven-inch plain concrete pavement. Washed sand and pebbles were used. The contract for this pavement was awarded to Baumann and Walterhouse.

Contract cost	\$1,570.73
Engineering & contingencies	58.11
Inspection	24.00
Sewer work	10.93
Office overhead	15.71

Total cost\$1,679.48

Distribution of Cost.

City's share, \$0.00.

Property owner's share, \$1,679.48.

District No. 58.

Thompson St. from E. Liberty St. to E. Madison Street.

This is a 11-2 in.—11-2 in. sheet asphalt pavement laid on a six-inch cement concrete base. The contract for the construction of this pavement was awarded to the Ann Arbor Asphalt Construction Company.

Contract cost	\$30,362.57
Engineering & contingencies	308.39
Inspection	562.80
Sewer work	252.00
Office overhead	303.63

Total cost\$31,789.39

Distribution of Cost.

City's share, \$9,009.05—28.5 per cent of total cost.

Property owner's share, \$22,789.39—71.5 per cent of total cost.

District No. 59.

Hamilton Place, E. William St. to E. Jefferson St.

This is a 11-2-in.—11-2-inch sheet asphalt pavement laid on a 6-inch cement concrete base. The contract for the construction of this pavement was awarded to the Ann Arbor Asphalt Construction Co.

Contract cost	\$5,790.43
Engineering & Contingencies	60.20
Inspection	95.66
Sewer work	98.59
Office overhead	57.90

Total cost\$6,102.78

Distribution of Cost.

City's share, \$1,455.96—23.8 per cent of total cost.

Property owners' share, \$4,646.82
—76.2 per cent of total cost.

District No. 60.

**Alley between Lincoln Avenue and
Martin Place from Wells St.
to Scott Street.**

This is a seven-inch cement concrete pavement. Washed sand and pebbles were used as aggregate. The contract for the construction of this pavement was awarded to the Ann Arbor Asphalt Construction Company.

Contract cost	\$2,157.37
Engineering	34.62
Inspection	15.52
Office overhead	21.57

Total cost\$2,229 08

Distribution of Cost.

City share, \$0.00.
Property owners' share, \$2,229.08.

District No. 61.

**Maynard St. from East William St.
to East Jefferson St.**

This is a 11-2-inch—11-2-inch sheet asphalt pavement laid on a 6-inch cement concrete base. The contract for the construction of this pavement was awarded to the Ann Arbor Asphalt Construction Company.

Contract cost	\$6,444.16
Engineering & contingencies	10 41
Inspection	82.76
Drainage	27.82
Office overhead	64.44

Total cost\$6,629.59

Distribution of Cost.

City's share, \$1,325.92—20 per cent.

Property owners' share, \$5,303.67
—80 per cent.

District No. 62.

**Oak Lane, from Austin Avenue to
Fair Oaks Parkway.**

This is a seven-inch cement concrete pavement. Washed sand and pebbles were used. The contract for the construction of this pavement was awarded to Baumann and Walterhouse.

Contract cost	\$1,375.10
Engineering & contingencies	19.11
Inspection	19.45
Office overhead	13.75

Total cost\$1,427.41

Distribution of Cost.

City's share, \$516.80 or 31 per cent of total cost.

SUMMARY OF PAVEM

STREET AND LIMITS	District	Width	Type of Surface	Base
South Main St., Packard to Madison.	..	45	.....	6-inch concrete
Madison to City Lts..	56	34	Sheet Asphalt	6-in. rein. concrete
Alley, B2S., R5E. Wash'gton to Liberty	57	16	Concrete	7-inch concrete
Thompson St., Liberty to Packard..	58	34	Sheet Asphalt	6-inch concrete
Hamilton Pl., Williams to Jefferson	59	22	Sheet Asphalt	6-inch concrete
Alley, Wells to Scott, Bet. Lincoln & Martin	60	12	Concrete	7-inch concrete
Maynard St., Williams to Jefferson	61	34	Sheet Asphalt	6-inch concrete
Oak Lane Austin to Fair Oaks.	62	14.5	Concrete	7-inch concrete
Observatory St., Geddes to Ann.....	63	34	Sheet Asphalt	6-inch concrete

Totals

NOTE: sq. yds pavement includes gutter

*Curb and Guter was in.

Property owners' share, \$910.61, or 69 per cent of total cost.

District No. 63.

Observatory Street from East Ann Street to Geddes Avenue.

This is a 1½-inch—1½-inch sheet asphalt pavement. The contract for the construction of this pavement was awarded to the Ann Arbor Asphalt Construction Company.

Contract cost	\$26,296.21
Engineering & contingencies	288.41
Inspection	426.22
Office overhead	262.96
Total cost	\$27,273.80

Distribution of Cost.

City's share, \$7,675.40, or 28.2 per cent.

Property owners' share, \$19,598.40, or 71.8 per cent.

The average cost of engineering and inspection on the pavements laid this year was 2.82 per cent of the contract cost. To this has been added 1 per cent for office overhead, making a total overhead charge of 3.82 per cent.

Curb and Gutter Broadway Curb & Gutter, Dist. 62

Contract Cost	\$8,625.21
Engineering & contingencies	552.37
Inspection	135.57
Sewer Work	150.63
Office Overhead	86.25

Total Cost \$9,550.03

Distribution of Cost

City Share	\$4,890.65
Property Share	\$4,659.38

Eighth Street Curb & Gutter, District 63

Contract Cost	\$2,526.48
Engineering & Contingencies	141.99
Inspection	73.33
Sewer Work	30.59
Office Overhead	25.26

Total Cost \$2,797.65

Distribution of Cost

City Share	\$1,398.83
Property Share	\$1,398.82

First Street Curb & Gutter, Dist. 64

Contract Cost	\$1,411.22
Engineering & Contingencies	64.49
Inspection	30.00
Sewer Work	43.13

ENTS BUILT IN 1924

Square yards Pavement	Lin. Ft. Curb	Cost of Excavation	Total Cost	City's Share	Property's Share	Total Cost Per Square Yard	Cost Pavement Per Sq. Yard
10,988	.....	.....	.....	.....	.....	.....	\$3.41
8,233	8,915	\$4,710.00	\$ 82,249.37	\$26,022.87	\$ 56,226.50	\$4.28	3.66
460	.....	125.00	1,679.48	.....	1,679.48	3.65	2.97
8,094	4,208	1,562.00	31,789.39	9,009.05	22,780.34	3.92	3.20
1,400	1,062	339 00	6,102.78	1,455 96	4,646.82	4 35	3.20
617	.....	270 00	2,229.08	.....	2,229.08	3.61	3.00
1,833	*	557.00	6,629.59	1,325.92	5,303.67	3.61	3.20
422	.....	130.20	1,427.41	516.80	910.61	3.38	2.95
6,918	3,529	1,018.00	27,273.80	7,675.40	19,598.40	3 94	3 20
38,965	17,714	\$8,711.20	\$159,380.90	\$46,006.00	\$113,374.90	.....	.....

Office Overhead	14.11
Total Cost	\$1,562.95
Distribution of Cost	
City Share	\$825.53
Property Share	\$737.42
Ferdon Road Curb & Gutter District 65	
Contract Cost	\$551.26
Engineering & Contingen-	
cies	63.52
Inspection	20.00
Office Overhead	5.51
Total Cost	\$640.29
Distribution of Cost	
City Share	\$320.15
Property Share	\$320.14
Second Street Curb & Gutter, District 66	
Contract Cost	\$4,294.59
Engineering & Contingen-	
cies	242.96
Inspection	75.00
Sewer Work	14.40
Office Overhead	42.94
Total Cost	\$4,669.89
Distribution of Cost	
City Share	\$2,481.56
Property Share	\$2,188.33
Spring Street Curb & Gutter, District 67	
Contract Cost	\$6,440.81
Engineering & Contingen-	
cies	387.05
Inspection	89.43
Inlets	20.00
Office Overhead	64.41
Total Cost	\$7,001.70

Distribution of Cost	
City Share	\$3,685.29
Property Share	\$3,316.41
East University Avenue Curb & Gutter, District 68	
Contract Cost	\$2,037.23
Engineering & Contingen-	
cies	150.34
Inspection	46.67
Sewer Work	32.08
Office Overhead	20.37
Total Cost	\$2,286.69
Distribution of Cost	
City Share	\$1,349.83
Property Share	936.86
Linden Street Curb & Gutter District 69	
Contract Cost	\$698.60
Engineering & Contingen-	
cies	46.30
Inspection	20.00
Office Overhead	6.98
Total Cost	\$771.88
Distribution of Cost	
City Share	\$385.94
Property Share	\$385.94
Brooklyn Avenue Curb & Gutter, District 70	
Contract Cost	\$3,521.28
Engineering & Contingen-	
cies	123.08
Inspection	73.33
Office Overhead	35.21
Total Cost	\$3,752.90
Distribution of Cost	
City Share	\$1,995.26
Property Share	\$1,757.64

SUMMARY OF CURB AN

STREET AND LIMITS	District No.	Length
*Broadway, Swift St., to City Limits	62	8,446
Eighth St. Liberty St., to Huron St.	63	2,702
First St., Jefferson St., to Madison St	64	1,493
Ferdon Rd., Granger Ave., to Brooklyn Ave.	65	614
Second St., Liberty St. to Mosley St.	66	4,531
Spring St., Miller Ave. to Chubb Rd.	67	6,924
East University Ave., Oakland Ave. to Packard St.	68	2,157
Linden St., South University Ave. to Geddes	69	512C&G 353 G
Brooklyn Ave., Packard St. to Ferdon Rd.	70	3,792
Arbor St., State St., to Oakland Ave	71	848
Totals .. . . .	..	32,377

*Wide gutter cost .09 per ft. extra.

Arbor Street, Curb & Gutter, District 71

Contract Cost	\$874.32
Engineering & Contingen-	
cies	42.06
Inspection	20.83
Sewer Work	13.80
Office Overhead	8.74

Total Cost \$959.75

Distribution of Cost

City Share	\$515.51
Property Share	\$444.24

The average cost of Engineering and Inspection for Curb and Gutter constructed this year was 8.45 per cent, to this has been added 1 per cent for office overhead, making a total overhead cost of 9.45 per cent.

Storm Sewers

South Main Street and Jefferson Street Storm Sewer

Contract Cost	\$10,439.43
Engineering & Contingen-	
cies	172.10
Inspection	268.57
Work done by city	20.52
Office Overhead	104.39

Total Cost \$11,005.01

Broadway, Moore and Cedar Street Storm Sewer

Contract Cost	\$10,165.98
Engineering & Contingen-	
cies	120.18
Inspection	148.54
Castings & Pipe fur-	
nished by City	88.70

Office Overhead 101.66

Total Cost \$10,625.06

West Washington, Third, Seventh St. & Crest Ave. Storm Sewer

Contract Cost	\$9,070.91
Engineering & Contingen-	
cies	103.23
Inspection	219.23
Office Overhead	90.71
4in pipe furnished by city	19.36

Total Cost \$9,503.44

Spring St. Storm Sewer

Contract Cost	\$7,383.80
Engineering & Contingen-	
cies	96.94
Inspection	113.32
Office Overhead	73.84

Total Cost \$7,667.90

So. University Ave. Elm and Walnut Street Storm Sewer

Contract Cost	\$7,056.65
Engineering & Contingen-	
cies	67.76
Inspection	131.33
4in pipe furnished by city	4.05
Office Overhead	70.56

Total Cost \$7,330.35

Jefferson St. Storm Sewer

Contract Cost	\$5,638.19
Engineering & Contingen-	
cies	53.82
Inspection	81.25
Office overhead	56.38
224 pounds reinforcing	
steel, A. A. Asphalt	

D GUTTER BUILT IN 1924

Total Cost	City to Pay	Property to Pay	Amount of Contract	Cost Per Foot	Contractor
\$ 9,550.03	\$ 4,890.65	\$ 4,659.38	\$ 8,625.21	\$1.13	Patrick Ryan
2,797.65	1,398.83	1,398.82	2,526.48	1.04	Patrick Ryan
1,562.95	825.53	737.42	1,411.22	1.04	Patrick Ryan
640.29	320.15	320.14	551.26	1.04	Patrick Ryan
4,669.89	2,481.56	2,188.33	4,294.59	.99	Patrick Ryan
7,001.70	3,685.29	3,316.41	6,440.81	1.01	Patrick Ryan
2,286.69	1,349.83	936.86	2,037.23	1.06	Patrick Ryan
771.88	385.94	385.94	698.60	.98	Patrick Ryan
3,752.90	1,995.26	1,757.64	3,521.28	.99	Patrick Ryan
959.75	515.51	444.24	874.32	1.13	Patrick Ryan
<u>\$33,993.73</u>	<u>\$17,848.55</u>	<u>\$16,145.18</u>	<u>\$30,981.00</u>	....

Construction Co. @ .04 8.96
 Total cost\$5,838.60
Cambridge Road, Day Street and Wayne Street Storm Sewer
 Contract cost\$5,142.96
 Engineering & Contingencies 92.96
 Inspection 91.67
 Office overhead 51.43

Total cost\$5,379.02
Ann Street Storm Sewer
 Contract cost\$3,265.10
 Engineering & Contingencies 43.74
 Inspection 78.00
 Office overhead 32.65

Total cost\$3,419.49
Oakland Avenue Storm Sewer From Hill to Monroe Street
 Contract cost\$3,205.95
 Engineering and contingencies 36.72
 Inspection 103.84
 Office overhead .. 32.06

Total cost\$3,378.57
Felch Street Storm Sewer
 Contract cost\$2,532.16
 Engineering and contingencies 22.61
 Inspection 122.73
 Office overhead 25.32

Total cost\$2,702.82
Thompson Street Storm Sewer, Packard Street to Cheever Court
 Contract cost\$2,559.14
 Engineering and contingencies 45.87
 Inspection 30.70
 Office overhead 25.59

Total cost\$2,661.30
Davis Avenue Storm Sewer, Main Street, Wly. to Ang'e
 Wm. Eddy & Son, excavating and backfilling and laying pipe...\$ 836.30
 Pipe 321.78
 Engineering 12.16

Inspection 29.40
 Office overhead 11.58
 Total cost\$1,211.22
Second Street Storm Sewer, Jefferson Street Nly.
 Contract cost \$902.05
 Engineering and Contingencies 27.12
 Inspection 34.62
 Office overhead 9.02

Total Cost \$972.81
Cambridge Road Storm Sewer, Hill Street Sly 300 feet
 Contract cost \$546.80
 Engineering and Contingencies 12.80
 Inspection 40.82
 Office overhead 5.46

Total Cost \$605.88
 Itemized account of the cost of **Adams Avenue Storm Sewer**
 Which was constructed by City force.

Account.
 Labor \$ 68.00
 132 feet 12" Sewer Pipe .. 60.72
 500 Brick 10.00
 2 Inlets 32.00
 2 Sacks Lime 1.00
 5 Sacks Cement 3.50
 Team Work 5.00
 Drawing Sewer Pipe 2.30
 1 Old Manhole Cover 5.00
 Engineering & Contingencies 10.00
 Superintending Work .. 19.00
 \$216.52

Storm Sewer Maintenance

This department has spent during the year 1924 for the maintenance of storm sewers \$2,076.17 of this amount \$1,426.74 was for material and \$649.43 for labor.

Five Per Cent Retained:

The five (5) per cents retained on storm sewers completed during the year 1923 and paid during 1924 are tabulated below.

Location	amount	Contractor
Washtenaw Ave. from Oxford Rd. to old City Limits	\$ 224.08	Patrick, Ryan, Jr.
Forest Ave., Hill St. to Forest Court to Washtenaw Avenue ..	1,087.80	Wm. Eddy & Son.
South State, Dewey Ave. to Boulevard Drive	50.86	Patrick Ryan, Jr.
Fourteenth, Volland, Camden Ct. and Geddes Avenue	154.70	Patrick Ryan, Jr.
Onondago Street, Hill to Dorset ..	19.96	Wm. Eddy & Son
Total	\$1,537.40	

SANITARY SEWERS
South Main Street, Berkley &
Green St. Sanitary Sewer,
Dist No. 132

Contract cost	\$ 9,472.01
Engineering & Contin-	
gencies	162.21
Inspection	391.76
Flush Tank Connection	27.11
Office overhead	94.72

Total Cost

Distribution of Cost

City share	\$ 741.25
Property share	9,406.56

Pauline Blvd. Sanitary Sewer, Dist.
No 136

Contract cost	\$ 1,723.45
Engineering & Contin-	
gencies	19.87
Inspection	58.17
Office overhead	17.23

Total Cost

Distribution of Cost

City share	\$ 329.10
Property share	1,489.62

Jackson Heights Sanitary Sewer
Dist. No. 137

Contract cost	\$ 8,463.02
Engineering & Contin-	
gencies	60.75
Inspection	184.14
Flush Tank Connections	100.00
Office overhead	84.63

Total Cost

Distribution of Cost

City share	860.62
Property share	\$ 8,031.92

Devonshire, Melrose & Tuomy
Road Sanitary Sewer Dist. No.
138

Contract cost	\$ 8,636.98
Engineering & Contin-	
gencies	129.94
Inspection	109.62
Office overhead	86.37
Flush Tank Connections	50.00

Total Cost

Distribution of Cost

City share	\$ 136.30
Property share	8,876.61

Baldwin Avenue Sanitary Sewer
Dist. No. 139

Contract cost	\$ 2,121.19
Engineering & Contin-	
gencies	40.95
Inspection	71.40
Flush Tank Connections	25.00
Office overhead	21.21

Total Cost

Distribution of Cost

City share	\$ 00.00
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Property share

2,279.75	
Scottwood, Wallingford, Wood-	
side & Coopley Ave. Sanitary	
Sewer Dist. No. 140	
Contract cost	\$11,077.56
Engineering & Contin-	
gencies	131.67
Inspection	104.30
Flush Tank Connections	50.00
Office overhead	110.77

Total Cost

Distribution of Cost

City share	\$ 988.00
Property share	10,486.30

Mt. Vernon Avenue Sanitary
Sewer, Dist. No. 142

Contract cost	\$ 2,293.20
Engineering & Contin-	
gencies	32.07
Inspection	104.44
Flush Tank Connections	25.00
Office overhead	22.93

Total Cost

Distribution of Cost

City share	\$ 254.10
Property share	2,223.54

Hoover Ave., Davis, Hutchins,
Edgewood and Third Street
Sanitary Sewer, Dist. No. 143

Contract cost	\$ 9,552.00
Engineering & contin-	
gencies	103.08
Inspection	108.00
Flush Tank Connections	125.00
Office overhead	95.52

Total Cost

Distribution of Cost

City share	\$ 858.20
Property share	9,125.40

Liberty St., Washington St., Sub-
Main and Beuna Vista Sanitary
Sewer, Dist. No. 144

Contract cost	\$ 3,790.50
Engineering & Contin-	
gencies	42.24
Inspection	112.98
Flush Tank Connections	25.00
Office overhead	37.90

Total Cost

Distribtuion of Cost

City share	\$ 2,141.00
Property share	1,867.62

Fair View Heights Subdivision
Sanitary Sewer, Dist. No. 145

Contract cost	\$12,543.45
Engineering & Contin-	
gencies ..	64.22
Inspection	88.89
Flush Tank Connections	100.00
Office overhead	125.43

Total Cost	\$12,543.45
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SUMMARY OF STORM

STREET AND LIMITS	Size Main	Length Main	Length Inlet Connections	INLETS		
				Regular	Alley	Special
Davis Ave.						
Main St., Wly to angle	20	305	18	1	..	..
Broadway						
Jones St. to Cedar Bend	12	1,691	272	13	..	..
Broadway						
Moore St. to Traver Cr.	20	720	....	..	..	..
Moore St.						
Broadway to Traver St.	15	228	172	5	..	..
Moore St.						
Traver St. to Cedar St.	12	329	16	1	..	..
Cedar St.						
Moore St. to Wright St.	12	340	145	9	..	..
South Main St.						
Outlet at Davis Ave.	27	48	....	..	..	..
Mosley St. to Hill St.	12	436	....	..	..	..
Madison St. to Mosley St.	15	588	....	..	..	..
Hoover Ave. to Pauline Blvd ...	20	377	....	..	..	..
Davis St. to Hoover Ave	22	276	....	..	..	..
Packard St. to Allens Cr.	12	414	....	..	..	..
Berkley Ave to Fischer	12	330	....	..	..	..
Outlet at Madison St.	18	204	1334	29	..	..
Washington St.	15	665	....	..	..	..
Seventh St. to Crest Ave	18	593	....	..	..	..
Seventh St.	15	197	....	..	..	..
Creek to Washington St.	18	250	....	..	..	..
Crest Ave.						
Washington St. Sly	12	318	....	..	..	..
Third St.						
Creek to Krause St.	12	521	1,285	23	..	..
Ann St.	12	370	....	..	..	..
Glen Ave to Observatory St. ...	15	851	270	11	..	..
Oakland Ave.						
Hill St to Monroe St.	24	513	35	2	..	..
Spring St.						
Hiscock St., Nly to Sub. Main ..	12	169	....	..	..	..
Sub. Main to Summit	24	434	....	..	..	..
Summit St., Nly	12	750	....	..	..	..
Miller Ave. to Cherry St.	12	605	....	..	..	..
Sub., Daniel St. to Spring St. ..	22	360	145	6	..	..
Cambridge Rd						
Washtenaw to Day	15	446	....	..	..	..
On Day to angle near Wayne ...	22	426	....	..	..	..
To Valley on Wayne	18	335	250	10	..	..
Felch St.	22	250	....	..	..	..
Allens Cr. to Spring St.	15	460	197	8	..	..
*Spring St. to Fountain St.	15	420	....	..	..	..
*Fountain St. to Miner St.	12	445	330	8	..	..
Adams Ave.						
Hill St. to angle	12	107	25	2	..	..
Jefferson St.						
Allens Cr. to Second St.	27	750	130	4	..	..
Second St.						
Jefferson St. Nly.	12	372	53	2	..	..
South University Ave.						
Washtenaw to Walnut	27	386	....	..	..	..
Walnut to Linden	22	401	....	..	..	..

SEWERS BUILT IN 1924

Manholes	Total Cost	Amount of Contract	5 Per Cent Retained	When due	Contractor
2	\$ 1,211.22	\$ 1,158.08	\$ .....	.....	City Force Acct.
9	.....	.....	.....
3	.....	.....	.....
1	.....	.....	.....
3	10,625.06	10 165.98	505.91	8-18-25	Wm. Edd & Son
12	11,005.01	10,439.43	521.88	8-18-25	R. D. Ballew
12	9,503.44	9,070.91	447.99	1-5-26	Frank Ryan
6	3,419.49	3,265.10	163.25	1-5-26	Frank Ryan
1	3,378.57	3,205.95	160.29	1-5-26	Frank Ryan
11	7,667.90	7,383.80	369.19	1-5-26	R. T. Liddicoat
8	5,379.02	5,142.96	255.45	1-5-26	Frank Ryan
3	2,702.82	2,532.16	126.61	1-5-26	R. T. Liddicoat
3	359.82—Cost to date				R. T. Liddicoat
1	216.52	216.52	.....	.....	City Force Acct.
5	5,838.60	5,638.19	272.41	1-5-26	Frank Ryan
2	972.81	902.05	45.10	1-5-26	Frank Ryan

Walnut St.					
South University to Geddes ...	15	718	....	..	..
Elm St.					
South University to Wilmot	12	570	177	9	..
Thompson St.	18	300	....	..	..
Packard St. to Cheever Ct.	12	270	472	15	..
*Alley, B4S,R4E					
William to Packard .....	..	.....	.....	..	..
Cambridge Rd.					
Hill St., Sly	12	300	28	2	..
		<u> </u>	<u> </u>	<u> </u>	<u> </u>
Totals .....	..	19,838	5,354	160	..

*Not completed.

Distribution of Cost

City share	\$ 2,820.00
Property share	10,101.99

**Wildwood Ave. Sanitary Sewer,
from Huron St. West Park
Sub-main, Sly, Dist.
No. 146**

Contract cost	\$ 948.00
Engineering & Contin- gencies	13.17
Inspection	11.11
Labor and Materials by city	92.84
Flush Tank Connections	25.00
Office overhead	9.48

Total Cost

Distribution of Cost

City share	\$ 225.00
Property share	874.60

**West Wood Hills and Huron Street
West Park Sub-Main Sanitary
Sewer Dist. No 147**

Contract cost	\$23,527.40
Engineering & Contin- gencies	444 58
Inspection	299.00
Flush Tank Connections	175.00
Office overhead	235.27

Total Cost

Distribution of Cost

City share	\$12,861.40
Property share	11,819.85

SANITARY SEWER MAINTENANCE: The care and maintenance of sanitary sewers during the year 1924 has cost \$1,977.57. Of this amount \$1,475.22 was for labor and \$502.35 for material. The work done under maintenance of sanitary sewers has consisted of building new manholes and removing obstructions from existing sanitary sewers.

TAPPING SANITARY SEWERS: The cost of tapping sanitary sewers during the year 1924 has been \$5.14.

PAYMENTS OF FIVE PERCENTS RETAINED: The following is a tabulated list of the amounts paid to contractors during the year 1924 for work completed in 1923. The amount is five per cent of the contract cost which is retained for one year to reimburse the City against any expense it may incur in maintaining sewer ditches:

Dist. No.	Location	Amount paid	Contractor
111.	Washington Hgts, Observa- tory to River	\$ 183.75	A. A. Asphalt Co.
120.	Davis, Wilder, Hoover, & Fifth.....	287.98	Wm. Eddy & Son
121.	Third St., Washington to Hu- ron	24.40	Wm. Eddy & Son
122.	Grand View Dr., Dexter to Jackson	59.78	Wm. Eddy & Son
123.	Medallion St., Onondaga to Oswego	49.59	Patrick Ryan, Jr.
124.	Maxwell Ave. & Wakefield, Soule, West	67.74	Wm. Eddy & Son
125.	Eighth St., Liberty St. South.....	151.15	Patrick Ryan, Jr.
126.	Cedar St., Pontiac to Wright, Wright St., Swift to Kellogg.....	177.59	Wm. Eddy & Son
127.	Daniel St., Hiscock to Summit.....	59.10	Wm. Eddy & Son
128.	S. Seventh St., Davis to Paul- ine	104.06	Wm. Eddy & Son
129.	Washtenaw Ave., Old to New		

12	7,330.35	7,028.65	315.43	1-5-26	Frank Ryan
4	2,661.30	2,559.14	127.71	1-5-26	A. A. Asphalt Const. Co.
					Frank Ryan
1	605.88	546.80	27 34	Not paid	Frank Ryan
99	\$72,877.81	\$69,255.72	\$3,338.56		

130.	City Limits	132.18	Wm. Eddy & Son
	Spring St., End present to Chubb	150.56	Wm. Eddy & Son
131.	Berkshire Rd., End present to Angle	59.45	Wm. Eddy & Son
133.	Davis Ave., Seventh to Hutchins	51.55	Wm. Eddy & Son
134.	Fifth St., End present to Davis	53.50	Wm. Eddy & Son
135.	Brooks St., End present, North 255 ft.	46.71	Patrick Ryan, Jr.
	E. University Ave. Ext. Washington St. to Washtenaw Ave.	223.21	Wm. Eddy & Son
Total		\$1,882.30	

SUMMARY OF SANITARY SEWER DISTRICTS: A tabulated summary of sanitary sewer districts Nos. 132 and 136 to 147 inclusive is given on the following page, with all information in regard to same.	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
	1924	394,062.13
	Total	\$1,891,306.18

SUMMARY OF SEWERS, PAVEMENTS AND CURB AND GUTTERS The total cost of sewers, pavements, and curb and gutter built up to and including 1924, is divided as follows:

Pavements	\$ 914,896.40
Curb & Gutter	148,973.08
Sanitary Sewers	464,136.94
Storm Sewers	363,299.76
Total	\$1,891,306.18

Total

There are 20.82 miles of paved streets in Ann Arbor, which is 33.6 per cent of total streets.

HOUSING CODE.

Class	No. Permits	Total Cost
Dwellings	235	\$1,641,850.00
Garages	296	88,392.00
Alterations	117	148,200.00
Warehouse	1	9,000.00
Public Garage	1	6,000.00
Gasoline Stations	4	11,000.00
Stores	5	26,500.00
Laundry Plant....	1	14,000.00
Storehouse	1	15,000.00
Meat Market	1	300.00
Factory	1	6,000.00

Restaurants	3	1,200.00
Office Building	1	200.00
Plumbing Shop....	1	500.00

Total Number

Permits668 \$1,968,141.00

The cost to the Engineering Department of handling the Housing Code has been \$636.98.

AUTOMOBILES

The cost of operating the cars used by this department during the year 1924 is listed below.

Ford No. 1.

301 Gals gasoline.....	\$ 50.48
31 qts oil	5.58
Maintenance & Repair.....	66.44

Total operating cost	\$122.50
Miles travelled	3,146
Miles per gal. of gas.....	10.50
Miles per quart of oil.....	103.00
Operating cost per mile 1924..	0.388
Operating cost per mile 1923..	0.425

Old Dodge No. 2.

76 Gals gasoline	\$ 12.18
8 qts oil	1.44
Maintenance & Repair.....	5.64

Total operating cost	\$ 19.26
Miles travelled	521
Miles per gal. of gas.....	6.90
Miles per qt. of oil	65.00
Operating cost per mile 1924..	0.037
Operating cost per mile 1923..	0.0641

New Dodge No. 2.

549 Gals gasoline	\$ 94.49
27 qts oil	4.86
Maintenance & Repair	68.84

Total operating cost	\$168.19
Miles travelled	5216.00
Miles per gal. gas	9.50
Miles per qt. oil	193.00
Operating cost per mile.....	0.0324

Chevrolet No. 8.

268 Gals gasoline	\$ 44.05
15 qts oil	2.70
Maintenance & Repair	45.63

Total operating cost	\$ 92.38
Miles travelled	4000
Miles per gal. gas	15
Miles per qt. oil	266
Operating cost per mile.....	0.023
Cost for use of Emergency	

Cost of Operating Automobiles.

Ford No. 1	\$122.50
Old Dodge	19.26
New Dodge	168.19

Chevrolet	92.38
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Total cost of operation.....\$402.33

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:

South Main St. & Jefferson St. Storm Sewer	\$11,005.01
Broadway, Moore & Cedar St. Storm Sewer	10,625.06
W. Washington, 3rd, 7th & Crest Ave. Storm Sewer	9,503.44
Spring St. Storm Sewer....	7,667.90
E. University Ave., Elm & Walnut St. Storm Sewer	7,330.35
Jefferson St. Storm Sewer	5,838.60
Cambridge Road, Day St. & Wayne St. Storm Sewer	5,379.02
Ann Street Storm Sewer....	3,419.49
Oakland Ave. Storm Sewer	3,378.57
Felch St., Allen's Creek to Spring, Storm Sewer	2,702.82
Thompson St. Storm Sewer	2,661.30
Davis Ave. Storm Sewer....	1,211.22
Second St. Storm Sewer....	972.81
Cambridge Road — Hill St., Sly 300 feet—storm sewer	605.88
Adams Avenue	216.52
Felch St., Spring to Miner (not completed)	359.82
Storm Sewer Maintenance	2,076.17
5 per cent retained during 1924	1,537.40

Total	\$76,491.38
Storm Sewer Supplies on hand	352.38
	<u>\$76,843.76</u>

S. Main St. Storm sewer paid in 1923	\$ 7,054.11
Broadway, Moore & Cedar St. Storm Sewer paid in 1923	6,573.65

Total

Total Expenditures 1924. \$63,216.00

TOTAL EXPENDITURES: The total expenditure of this department is itemized below:

Expenditures

Engineering ..	\$14,926.10
Clerical ..	1,274.70
Inspection ..	6,027.65

Sewer Maintenance (Labor)	2,124.65
Sewer Maintenance (material)	2,281.47
Office Equipment & Supplies, advertising & administration	1,820.81
Automobiles (maintenance & repair)	402.33
New Dodge Truck	743.00
New Chevrolet roadster	500.00
Material used on Assessment work	2,539.64
Expense to society & convention meetings	122.72
Materials used for street grades	503.96
	<hr/>
	\$33,267.03

Credits

Engineering on Contract work	\$ 5,684.25
Inspection on Contract work	6,027.25
Material used on Contract work	2,539.64
Office overhead on Contract work	3,469.69
	<hr/>
Total	\$17,720.83
Net expenditures out of Budget	\$15,546.20
Budget for 1924	\$15,743.00
Expenditure out of Budget	15,546.20

Balance \$196.80

Summary of Monthly Labor Reports

1 Accounts	\$ 434.46
2 Records	2,792.87
3 Correspondence	205.98
4 Reports, Annual & monthly	403.35
5 Council, Board & committee meetings	300.98
6 Inspection plumbing & laying tile	28.82
7 Numbering houses	1.49
8 Information to the public	637.15
9 Information received from others	38.84
10 Sanitary Sewer maintenance	1,475.22
10B Sewer Foreman salary	231.61
11 Storm Sewer maintenance	649.43
12 Engineer's office, cleaning & arranging	28.79
13 City yards & shed, cleaning & arranging	1.20
17 Equipment, survey-	

ing	1.99
22 Sidewalk grades	2,299.09
23 Curb grades	1.49
24 Street lines & grades	891.15
25 Preliminary estimates	4.33
58 Tapping sanitary sewers	5.14
59 Sickness & vacations	390.61
60A Dodge automobile	1.00
66 Directing work for department	1,305.85
67 Oiling & treating roadways	118.10
77 Conventions & Society meetings	98.82
131 Municipal garage	31.37
143 Work for fire dept.	16.80
157 Housing code	605.98
196 East University-av. curb & gutter, Oakland to Packard street	200.42
230 Curb & gutter maintenance	26.27
264 Washington-st. sub-main storm sewer	2.13
281 Ann, Catherine, Lawrence-st. storm sewer, State to Thayer-st.	5.12
282 Ann-st. storm sewer, Glen to Observatory	116.28
283 Cambridge road storm sewer, Day and Wayne	183.61
304 Broadway curb & gutter, Swift to City limits	690.81
305 Eighth-st. curb & gutter, Liberty to Huron-st.	175.32
308 Smoke inspection department	69.81
309 Comfort station	18.73
310 S. Main-st. pavement	2,035.04
318 S Main-st. san. sewer, Berkley & Green from bld toll gate to C. L. & from Main to Green to Keach	100.85
321 Broadway & Moore & Cedar-st. storm sewer	80.59
323 W. Washington, 7th, Crest, 3rd-st. storm sewer	315.56
325 Paul-st. san. sewer	4.00
326 Elm & S Univ.-av. storm sewer & Walnut-st.	198.08
327 S. Main-st. & Jefferson-st. storm sewer	90.69
328 Pauline-blvd. san.	

SUMMARY OF SANITATION

STREET AND LIMITS	District	No. of House Connections	Length Main	Manholes	Flush Tanks
South Main, Green and Berkley.....	132	73	2,722	8	3
Pauline Blvd.—Old sewer to Fifth St.	136	20	698	3	0
Jackson Hgts Add.—Pleasant, Charlton, etc . . .	137	58	2,744	13	4
Devonshire, Melrose & Tuomy	138	49	2,686	15	2
Baldwin Ave.—Wells St. to Granger Ave.	139	11	760	4	1
Scottwood, Woodside, Wallingford & Copley . .	140	41	2,504	14	2
*Brockman Blvd.—Copley Ave, Sly	141	6	463	2	1
Mt. Vernon Ave.—Madison St. to Manhattan .	142	16	807	3	1
Hoover, Davis Aves., Third St. & Edgewood ..	143	105	3,160	14	5
Liberty-Washington Sub. & Buena Vista Ave ..	144	28	1,613	8	1
Fairview Hgts. Add—Dexter, Fairview & Worden	145	66	2,441	10	4
Wildwood Ave.—Sub Main, Sly	146	6	244	3	1
Westwood Hills Add. & Huron W.					
Park Sub Main	147	71	6,488	29	7
Revena Blvd—Huron St. to Sub Main	X	13	336	2	1
Wildwood Ave.—Sub Main to Harbrooke	X	7	484	3	1
Gardner Ave. & Westminster Ave.	X	21	775	3	2
Totals . . . . .	...	591	28,925	134	36
xPrivate sewer. *Not completed.					

sewer	76.54	gutter	55.69
334 Devonshire, Melrose		357 Brooklyn-av. curb &	
Tuomy-rd. san. sewer	228.73	gutter, Packard to	
335 Zoning ordinance ..	27.81	Ferdon	170.09
338 Jackson Heights san.		358 Revena-blvd. curb	
sewer	244.89	& gutter	9.96
344 Hamilton Pl. pave-		359 Fourth-st. curb &	
ment	176.05	gutter, Liberty to	
345 Fairview Heights		Madison	9.64
san. sewer	153.11	360 Soule, Lutz, Max-	
348 Wildwood-av. san.		well, Wakefield, El-	
sewer from Huron-		der-blvd. curb &	
st. West Park sub-		gutter	19.69
Main Sly	104.98	361 Catherine-st curb &	
340 Scottwood, Walling-		gutter, Division to	
ford, Woodside &		Fifth-av.	5.54
Copley-av. san. sewer	217.10	362 Chapin-st. Curb &	
.		gutter, Huron to	
350 Greenwood-av. E		Miller-av.	6.14
Univ. to Packard		363 First-st. curb & gut-	
curb & gutter	10.82	ter, Huron to Ann-	
351 First-st. Jefferson		st.	1.17
to Madison curb &		364 S. Fifth-av. curb &	
gutter	129.91	gutter, Packard to	
352 Ferdon-rd. curb &		E. Madison	5.15
gutter, Granger to		365 Elder-blvd. curb &	
Brooklyn-av.	73.82	gutter, Buchanan to	
353 Second-st. curb &		Eberwhite, Elder-	
gutter, Mosley to		blvd. Eberwhite to	
Liberty-st.	287.93	East end	13.99
354 Spring-st. curb &		366 First-st. curb & gut-	
gutter	406.89	ter, Madison to Mos-	
355 Building code	40.96	ley	3.75
356 Linden-st. S. Univ.		367 Ashley-st. curb &	
to Geddes curb &		gutter, Madison to	
		Mosley	8.17

ERS BUILT IN 1924

City to Pay	Property to Pay	Amount of Contract	5% Retained On Contract	When Due	Contractor
\$ 741.25	\$ 9,406.56	\$ 9,472.01	\$ 460.40	Aug. 18, 1925	R. D. Ballew
329.10	1,489.62	1,723.45	86.17	Jan. 5, 1926	Wm. Eddy & Son
860.62	8,031.92	8,463.02	423.15	Jan. 5, 1926	Wm. Eddy & Son
136.30	8,876.61	8,636.98	431.84	Jan. 5, 1926	Wm. Eddy & Son
.....	2,279.75	2,121.19	106.06	Jan. 5, 1926	R. T. Liddicoat
988.00	10,486.30	11,077.56	553.17	Jan. 5, 1926	Wm. Eddy & Son
.....	.....	.....	.....	.....	Frank Ryan
254.10	2,223.54	2,293.20	114.66	Jan. 5, 1926	Frank Ryan
858.20	9,125.40	9,552.00	477.60	Jan. 5, 1926	Wm. Eddy & Son
2,141.00	1,867.62	3,790.50	189.52	.....	Frank Ryan
2,820.00	10,101.99	12,543.45	626.50	Jan. 5, 1926	Wm. Eddy & Son
225.00	874.60	948.00	47.40	Jan. 5, 1926	Wm. Eddy & Son
12,861.40	11,819.85	23,527.40	1,163.96	.....	Wm. Eddy & Son
.....	980.00	980.00	.....	.....	Wm. Eddy & Son
.....	1,650.00	1,650.00	.....	.....	Wm. Eddy & Son
.....	1,470.00	1,470.00	.....	.....	.....
\$22,214.97	\$80,683.76	\$98,248.76	\$4,680.43		

368 Mosley-st. curb & gutter	4.51	384 Hoover-av. Wilder Pl. Ely to end of old sewer, Davis-av. Wilder to Hutchins, Edgewood, Hoover to Davis, 3rd-st. Mosley to Davis, Hutchins-av. Pauline blvd. to Davis	211.08
369 Arbor-st. curb & gutter, State to Oakland	68.01	385 Liberty-st. Washington-st. sub-main from 8th-st. Wly to Buena Vista extended Sly & Buena Vista from sub-main Nly to Washington-st. san. sewer	155.22
370 Work for city assessor	35.00	386 Alley B2S R5E pavement	93.04
371 Huron-st West Park sub-main & Westwood Hills san. sewer	654.13	387 Mt. Vernon-av. Madison-av. to Manhattan Drive san. sewer	136.51
372 Oakland-av. storm sewer	135.95	388 Brockman-blv. san. sewer Copley-av. Sly 475	9.97
373 Baldwin-av. san. sewer Wells to Granger	107.68	391 Thompson-st. pavement	936.13
374 Second-st. storm sewer	59.53	392 Davis-av. storm sewer	41.56
375 Jefferson-st. storm sewer	134.05	393 Street Sweeping & cleaning	27.18
376 Hiscock-st. storm sewer	6.87	394 Thompson-st. storm sewer Packard to Cheever court	73.07
377 Alley B4S, R4E storm sewer	4.82	395 Alley between	
378 Gravel pit	46.83		
380 Felch-st. storm sewer Allens Creek to Spring	145.34		
381 Geddes-av. storm sewer	3.33		
382 Lincoln, Baldwin, Brooklyn, Fair Oaks & Austin-av. storm sewer	13.33		
383 Springs-st. storm sewer	210.26		

coln & Martin from Wells to Scott	50.14
396 Observatory-st. pavement	714.63
397 Maynard-st. pavement, Liberty to Jefferson-st.	105.77
398 Krapf add. san sewer, Gardner-av. & Westminster . . .	21.00
399. Oak Lane Pavement	38.56
400. Street Signs	4.62
401. Adams Ave. Storm Sewer	2.02
402. Huron St Pavement from 12th to 14th Sts.	46.15
403. Moving D'Eaths House	2.81
404. Wildwood Av. & Linwood Sanitary Sewer	31.85
405. Cambridge Rd. Storm Sewer from Hill St. Sly. 300 feet.	53.62
406. Felch St. Storm Sewer, Spring to Miner.	35.82
407. Revena Blvd. San Sewer, Huron St. Sub Main Sly	17.31
409. Dexter Pavement..	31.41
410. Miner Curb & Gutter	21.76
411. Virginia Ave. Curb & Gutter	17.17
412. Charlton Ave. Curb & Gutter	15 06
413. Hoover Ave. Curb & Gutter	21.11
414 Thayer Street Curb & Gutter . . . . .	.40
415. Fifth St. Curb and Gutter	2.58
416. Forest Ave. Curb & Gutter	1.56
417. McKinley Ave. Curb & Gutter . . . . .	.78
418. Glen, Catherine, Clark St. Pavement.	.60
419. Wayne, Lorraine, Berkshire Curb and Gutter . . . . .	.78
420. Pauline Blvd. Curb & Gutter	4 30
421. Summit St. Curb and Gutter	3.15

Total	\$24,353.10
Summary of monthly expenditures for supplies, equipment, etc.	8,913.93
Total expenditures . . .	\$33,267.03

CLASSIFICATION OF EXPENDITURES FOR LABOR DURING 1924

	Engineering	Clerical/Inspection	Sewer Work	Totals
G. H. Sandenburgh	\$ 3,574.41		\$ 25.59	\$ 3,600.00
H. R. Scovill	2,322.69		77.31	2,400.00
H. E. Disderide		577.50		577.50
C. M. Mast		697.20		697.20
V. W. McAdam	2,100.00			2,100.00
W. L. Rye	650 75		49.25	1,097.11
A. W. Santelman	115.20	397 11		115.20
John A. Thorp	91.20			91.20
Julius Lohrke	574.42		918.31	1,492.73
F. Schmid	526.21	807.74	122 85	1,456.80
W. P. Calahan	2.00			2.00
D. D. McAdam	4.00			4.00
Paul Parker	10.00			10.00
L. D. Ellison	13.00			13.00
A. R. Lewis	8.00			8.00
Wm. F. Niethamer	387.45	14.70		402.15

H. R. Reed	41.25			41.25
Jim Acqui	335.20		757.10	1,092.30
K. W. Donnell	452.80			452.80
W. J. O'Neill	381.45			381.45
Carl S. Fery	69.00			69.00
B. D. Snider	24.60			24.60
Chas. S. Allen	16.80			16.80
W. P. Foster	9.90			9.90
R. L. Combe	18.15			18.15
R. F. Kile	60.60			60.60
G. J. Burris	1.75			1.75
E. D. Rentschler	167.70	71.40	45.00	284.10
Robert James	83.70	762.32		846.02
Frederick Arnet	184.80		2.00	186.80
L. D. Corlett	647.40		6.60	654.00
A. M. Snider	116.40			116.40
Geo. E. Hodgins	653.75	34.16	49.49	737.40
Wm. J. Chambers	536.27	596.73		1,133.00
Von Christansen	12.00			12.00
Joseph A. Barkovich	148.00			148.00
R. Wallace Teed	184.20			184.20
W. H. Puyear	45.60			45.60
H. J. McPherson	295.50	26.70	24.30	346.50
R. Vokac	18.00		3.50	21.50
John D. Ackerman	2.00			2.00
Gordon E. Bachman	39.95	594.67		634.62
Dominic Acqui			1.80	1.80
Walter Ballard			1.50	1.50
A. W. Baldwin		266.66	5.00	271.66
DeWitt Bell			2.50	2.50
Arthur Feldkamp			25.00	25.00
L. Styers			3.00	3.00
James Mason			4.55	4.55
S. R. Schluder		173.33		173.33
Robert Whittaker		219.23		219.23
Wm. Niethamer		499.96		499.96
Michigan Engineering Lab.....		1,562.94		1,562.94
	<u>\$14,926.10</u>	<u>\$1,274.70</u>	<u>\$6,027.65</u>	<u>\$2,124.65</u>
				<u>\$24,353.10</u>

Summary of Expenditures for Office Equipment, Supplies, Advertising and Administration

2. Records	\$ 54.08
4. Reports, annual and monthly	4.20
7. Numbering houses ..	120.54
14. Office Supplies	576.39
15. Office Equipment ..	33.40
16 & 17. Surveying Supplies and Equipment.	857.56
66. Directing Work for Department	76.53
67. Oiling and treating Roadways	42.11
157. Housing Code	31.00
335. Zoning Ordinance ..	25.00

Total\$1,820.81

Summary of Expenditures for Sanitary & Storm Sewer Maintenance Supplies

10. Sanitary Sewer Maintenance	\$ 502.35
11. Storm Sewer Maintenance	1,426.74
11A. Storm Sewer Supplies at City Yard	352.38

Total\$2,281.47

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. Accounts	\$ 434.46
2. Records	2,846.95
3. Correspondence	205.98
4. Reports, Monthly & Annual	407.55
5. Committee Meetings, Etc.	307.20
6. Plumbing Inspecting ..	28.82
7. Numbering Houses ..	122.03
8. Information to the Public	637.15

9. Information Received from Others	38.84
10. Sanitary Sewer Maintenance	1,977.57
11. Storm Sewer Maintenance	2,076.17
11A. Storm Sewer Supplies at Yard	352.38
12. Cleaning & Arranging Office	28.79
13. City Yards & Shed, Cleaning	1.20
14. Office Supplies	576.39
15. Office Equipment ..	33.40
16 & 17. Surveying Supplies and Equipment	859.55
22. Sidewalk grades ...	2,690.54
23. Curb Grades	3.29
24. Street Lines and grades	1,001.86
25. Preliminary Estimates	4.33
58. Tapping Sanitary Sewers	5.14
59. Sickness & Vacation	390.61
60. Ford Automobile ..	122.50
60A Dodge Automobile.	930.45
60B. Emergency Car ...	34.45
60C. Roadster Automobile	592.38
66. Directing Work of Department	1,382.38
67. Oiling & Treating Roadways	160.21
157. Housing Code	636.98
308. Smoke Inspection Department	60.81
309. Comfort Station	142.25
335. Zoning Ordinance ..	52.81
355. Building Code	40.96
370. Work for City Assessor	35.00
378. Gravel Pit	46.83
393. Street Sweeping & Cleaning	27.18
400. Street Signs	4.62

Total\$19,300.01

ALL IMPROVEM

LOCATION	Improvement	Contractor
Da Wly to angle	Storm Sewer...	City Force Acct..
Broadway & Cedar	Storm Sewer...	Wm. Eddy & So
South	Storm Sewer...	R. D. Ballew ..
Washington 7th & Crest	Storm Sewer...	Frank Ryan ...
Ann	Storm Sewer...	Frank Ryan ...
Oakland	Storm Sewer...	Frank Ryan ...
Spring	Storm Sewer...	R. T. Liddicoat
Cambridge & Day St	Storm Sewer...	Frank Ryan ...
Felchens Cr. to Spring	Storm Sewer...	R. T. Liddicoat .
*Felch Spring to Miner	Storm Sewer...	R. T. Liddicoat .
xAdams	Storm Sewer...	City Force Acct..
Jeffers St.	Storm Sewer...	Frank Ryan ...
Second S.	Storm Sewer...	Frank Ryan ...
South University, Walnut, Elm	Storm Sewer...	Frank Ryan ...
Thompson St.	Storm Sewer...	A. A. Asphalt Co
Cambridge Rd., Hill Sly	Storm Sewer...	Frank Ryan ...
*Alley, B4S, R4E	Storm Sewer...	Frank Ryan ...
S. Main, Green & Berkley	Sanitary Sewer.	R. D. Ballew....
Pauline Blvd	Sanitary Sewer.	Wm. Eddy & Son
Jackson Hgts. Add.	Sanitary Sewer.	Wm. Eddy & Son
Devonshire, Melrose, Tuomy	Sanitary Sewer.	Wm. Eddy & Son
Baldwin Ave.	Sanitary Sewer.	R. T. Liddicoat..
Scottwood, Woodside, etc.	Sanitary Sewer.	Wm. Eddy & Son
*Brockman Blvd	Sanitary Sewer.	Frank Ryan ...
Mt. Vernon Ave.	Sanitary Sewer.	Frank Ryan ...
Hoover, Davis, Edgewood, 3rd.	Sanitary Sewer.	Wm. Eddy & Son
Liberty-Washington Sub.	Sanitary Sewer.	Frank Ryan ...
Fairview Hgts. Add.	Sanitary Sewer.	Wm. Eddy & Son
Wildwood Ave. Sub. Sly	Sanitary Sewer.	Wm. Eddy & Son
Westwood Hills Add.	Sanitary Sewer.	Wm. Eddy & Son
xRavena Blvd	Sanitary Sewer.	Wm. Eddy & Son
xWildwood Ave. Sub. Nly	Sanitary Sewer.	Wm. Eddy & Son
xGardner & Westminster	Sanitary Sewer.	Wm. Eddy & Son
South Main St.	Pavement	A A Asphalt Co
Alley, B2S,R5E	Pavement	Walterhouse & B
Thompson St.	Pavement	A A Asphalt Co
Hamilton Pl.	Pavement	A A Asphalt Co
Alley, Wells to Scott	Pavement	A A Asphalt Co
Maynard St.	Pavement	A A Asphalt Co
Oak Lane	Pavement	Walterhouse & B
Observatory St.	Pavement	A A Asphalt Co
Broadway	Curb and Gutter	Patrick Ryan ..
Eighth	Curb and Gutter	Patrick Ryan ..
First	Curb and Gutter	Patrick Ryan ..
Ferdinand	Curb and Gutter	Patrick Ryan ..
Second St.	Curb and Gutter	Patrick Ryan ..
Spring St	Curb and Gutter	Patrick Ryan ..
East University Ave.	Curb and Gutter	Patrick Ryan ..
Linden St.	Curb and Gutter	Patrick Ryan ..
Brooklyn Ave.	Curb and Gutter	Patrick Ryan ..
Arbor St	Curb and Gutter	Patrick Ryan ..
xMunicipal Comfort	Station.....	O. L. Kohler ...
xMoving D'Eath's house		Geo. Karr
xSidewalks		Walterhouse & B
xSidewalks		A. F. Thompson.
Totals engineering and inspection		
Office overhead (1 per cent of contract cost of improvement)		

EXPENSES IN 1924

	Total Cost	Engineers' Estimate	Engineering and Inspection	Cost of Construction	Amount Retained
.....	\$ 1,211.22	\$ 1,211.22	\$ 41.56	\$ 1,158.08	\$.....
n.....	10,625.06	9,509.88	268.72	10,254.68	505.91
.....	11,005.01	10,214.05	440.67	10,459.95	521.88
.....	9,503.44	7,647.03	322.46	9,090.27	447.99
.....	3,419.49	4,065.60	121.74	3,265.10	163.25
.....	3,378.57	4,060.10	140.56	3,205.95	160.29
.....	7,667.90	10,398.57	210.26	7,383.80	369.19
.....	5,379.02	5,718.79	184.63	5,142.96	255.45
.....	2,702.82	3,288.50	145.34	2,532.16	126.61
.....
.....	216.52	300.30	10.00	206.52	.....
.....	5,838.60	6,533.45	135.07	5,647.15	272.41
.....	972.81	1,009.52	61.74	902.05	45.10
.....	7,330.35	9,252.90	199.09	7,060.70	351.43
nst Co...	2,661.30	2,500.02	76.57	2,559.14	127.71
.....	605.88	564.85	53.62	546.80	27.34
.....
.....	10,147.81	6,897.11	553.97	9,499.12	460.40
.....	1,818.72	2,706.44	78.04	1,723.45	86.17
.....	8,892.54	7,208.30	244.89	8,563.02	423.15
.....	9,012.91	10,053.17	239.56	8,686.98	431.84
.....	2,279.75	2,297.79	112.35	2,146.19	106.06
.....	11,474.30	11,923.17	235.97	11,127.56	553.17
.....
.....	2,477.64	2,306.48	136.51	2,318.20	114.66
.....	9,983.60	8,892.18	211.08	9,677.00	477.60
.....	4,008.62	4,259.86	155.22	3,815.50	189.52
.....	12,921.99	10,470.18	153.11	12,643.45	626.50
.....	1,099.60	912.45	24.28	1,065.84	47.40
.....	24,681.25	20,675.87	743.58	23,702.40	1,163.93
.....	980.00	980.00	Private Job	980.00	.....
.....	1,650.00	1,650.00	Private Job	1,650.00	.....
.....	1,470.00	1,470.00	Private Job	1,470.00	.....
nst Co...	82,249.37	83,351.89	2,157.20	79,304.33	.....
aman...	1,679.48	1,402.50	82.11	1,581.66	.....
nst Co...	31,789.39	31,653.60	871.19	30,614.57	.....
nst Co...	6,102.78	4,958.25	155.86	5,889.02	.....
nst Co...	2,229.08	2,073.50	50.14	2,157.37	.....
nst Co...	6,629.59	6,587.90	93.17	6,471.98	.....
aman...	1,427.41	1,170.40	38.56	1,375.10	.....
nst Co ..	27,273.80	27,678.53	714.63	26,296.21	.....
.....	9,550.03	11,944.79	687.94	8,775.84	.....
.....	2,797.65	3,079.45	215.32	2,557.07	.....
.....	1,562.95	1,746.80	94.49	1,454.35	.....
.....	640.29	618.20	83.52	551.26	.....
.....	4,669.89	5,244.80	317.96	4,308.99	.....
.....	7,001.70	7,958.50	476.48	6,460.81	.....
.....	2,286.69	2,420.00	197.01	2,069.31	.....
.....	771.88	1,020.80	66.30	698.60	.....
.....	3,752.90	4,417.60	196.41	3,521.28	.....
.....	959.75	988.35	62.89	888.12	.....
.....	11,169.13	10,000.00	368.73	10,800.40	.....
.....	1,723.27	1,723.27	2.81	1,720.46	.....
aman...	3,928.75	3,928.75	.....	3,928.75	.....
.....	3,554.67	3,554.67	.....	3,554.67	.....
.....	.....	.....	12,233.31	.....	.....
.....	.....	.....	3,469.69	.....	.....

SUMMARY OF PAVEMENTS IN THE CITY OF ANN ARBOR

District No.	STREET	When Laid	No. Sq. Yards	Total Cost	Total Cost Per Square Yard	Cost Per Sq. Yd. Pave. only	KIND
1&2	Main	1898	12,730	\$ 31,375.15	2.46	\$1.64	Brick on concrete
3	Washington, Ashley to 5th Av	1899	5,140	11,645.17	2.27	1.73	Brick on concrete
4	Huron, Ashley to State.....	1900	10,791	27,845.38	2.58	2.17	Asphalt block on sand
5	State, Huron to Monroe	1902	12,484	31,778.98	2.55	2.16	Asphalt block on sand
6	Ann, Main to 4th Av.	1902	1,589	2,860.70	1.80	1.39	Brick on sand
7	Liberty, Ashley to State	1903	9,140	24,486.06	2.68	2.19	Asphalt block on sand
8	Fourth Av., Huron to Liberty	1903	2,431	6,490.80	2.67	2.19	Asphalt block on sand
10	William	1907	7,519	19,092.01	2.54	2.03	Bithulithic
9	North 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	So. 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
Totals .....		.....	163,768	\$271,924.92	.....	.....

NOTE.—The pavement between the rails of the street car track on Washtenaw Ave. and between the rails and for a distance of 18 in. out on either side of the track on Packard and Main streets, is of brick on concrete, and is not included in the above statement.

28	W. Lib. St., Ashley to City Lim.	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 St., Wash. to Prospect	1914	11,832	14,802.93	1.25	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	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. & Miller 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., & 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 St. 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
	Totals of Sheet 1 (forwarded)	....	163,768	\$271,924.92	....	....
	Totals of Sheet 2.....	....	124,262	292,363.83	....	....
	Totals .....	....	288,030	564,288.75	...	....

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 in. out on either side of the track on W. Huron St. is of brick on concrete and is not included in the above statement.

48	State St., Huron to Fuller....		4,962				2.51	Sheet asphalt
		1922	3,423	29,923.48			3.79	Brick
49	Hill St., Packard to Washtenaw	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., Lib'ty 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 Av Oxford to Lts.	1923	4,645	25,270.78	3.65		3.01	Sheet asphalt
56	S. Main St. Packard to City Lts	1924	19,221	82,249.37	4.28		3.41-	Sheet asphalt
							3.66 R.	
57	Alley, B 2 S., R 5 E.....	1924	460	1,679.48			2 97	Concrete
58	Thompson St., Liberty to Packard	1924	8,094	31,789.39	3.92		3.20	Sheet asphalt
59	Hamilton Pl., Williams to Jef- ferson	1924	1,400	6,102 78	4.35		3.20	Sheet asphalt
60	Alley, Wells to Scott, between Lincoln and Martin.....	1924	617	2,229.08	3.61		3.00	Concrete
61	Maynard St., Williams to Jef- ferson	1924	1,833	6,629.59	*3.61		3.20	Sheet asphalt
62	Oak Lane, Austin to Fair Oaks	1924	422	1,427.41	3.38		2 95	Concrete
63	Observatory St., Ann to Geddes	1924	6,918	27,273.80	3 94		3.20	Sheet asphalt
	Totals—Sheet 1		163,768	\$271,924.92	.....		
	Totals—Sheet 2		124,262	292,363.83	.....		
	Totals—Sheet 3		90,993	350,607.65	.....		
	Grand total		379,023	\$914,896.40	.....		

NOTE—Pavement between car tracks is not included.
*Curb and gutter was in.

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 Ft.	CONTRACTOR
1	Lawrence St. Division St. to State St.....	1919	1,284.7	\$ 1,000.00	\$ 963.58	\$.78	Thos. Hessian
2	Oxford Road Geddes Ave. 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 Baldwin Ave..	1920	1,412	1,841.37	1,694.40	1.30	Thos. Hessian
6	Martin Place Scott Alley to Wells St	1920	997	1,244.72	1,196.40	1.24	A. F. Thompson
7	Hill St. Oswego St. to Berkshire Rd...	1920	1,706	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	1,080.00	1,022.40	1.27	Thos. Hessian
10	Sixth St. Liberty St. N. to End.	1921	1,008	1,248.97	1,108.80	1.24	Thos. Hessian
11	Kingsley St and Ingalls St. State to Ingalls to Lawrence..	1921	1,668.5	2,050.89	1,835.35	1.23	Thos. Hessian
12	Olivia Ave. Cambridge Rd. to Granger...	1921	3,810	4,457.13	4,191.00	1.17	Thos. Hessian
13	Baldwin Ave. Washtenaw Av. to Cambridge.	1921	742.5	911.82	816.75	1.23	Thos. Hessian
14	Ferdon Rd. Wells St. to Norway Rd	1921	475C&G 254	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	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	1,126.38	999.00	1 13	Sydnae Gustin & Co.
20	Prospect St. Wells St. to E. Univ Ave.....	1921	1,870	2,042.96	1 870.00	1 09	Sydnae Gustin & Co.
21	Wells St. Forest Ave. to Olivia Ave.....	1921	884	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 Washtenaw..	1921	705	626 52	578.10	.89	Sydnae Gustin & Co.
24	Wells St. Packard St. to Forest Ave....	1923	1,284	1,286.29	1,158.55	1.00	Michigan Constr. Co.
25	Willard St, Forest Ave. to Church St....	1922	664	741.65	635.80	1.12	Michigan Constr. Co.
26	Seventh St. North Miller Ave. to Huron St.....	1922	3,133	3,187.93	2,890 85	1.02	Michigan Constr. Co.
27	Seventh St, South Huron St. to Madison St.....	1922	5,389	5,742.24	5,103.41	1.06	Michigan Constr. Co.
28	Forest Ave. Cambridge Rd. to Wells St ..	1923	1,898	1,990 22	1,790.95	1.05	Michigan Constr. Co.
29	First St. Jefferson St. to William St....	1922	1,312	1,317 89	1,218.05	1.00	Michigan Constr. Co.
30	Third St. Washington St. to Liberty St..	1922	1,118	1,131.41	1,051.45	1.01	Michigan Constr. Co.
31	Kingsley St. Main St. to First St.....	1922	1,069	1,093.64	1,013.98	1 02	Patrick Ryan Jr.
32	Ashley St. Miller Ave. to Felch St.....	1922	2,126	2,159.48	2,006.75	1 01	Patrick Ryan Jr
33	Maynard St. Williams St to Jefferson St...	1922	1,064	1,145.40	1,007.55	1.07	Patrick Ryan Jr.
34	Crest St. Huron St. to End.....	1922	2,115	2 277.27	2,006.85	1.08	Michigan Constr. Co.
35	White St Arch St. to McKinley St.	1922	706C&G 218G	915.11	780.84	1 12	Patrick Ryan Jr.

36	Brookwood Pl. Packard St. to End.....	1922	1,042	1,081.37	986.45	1.04	Patrick Ryan Jr.
37	Ingalls St. & Lawrence St. Catherine St. to Thayer St....	1922	1,095	1,127.71	1,014.90	1.03	Patrick Ryan Jr.
38	Washington St. Ashley St. to Ravena Blvd....	1922	8,156	8,749.36	7,707.41	1.07	Michigan Constr. Co.
39	Third St. Liberty St. to Mosley St.....	1922	4,350	4,939.06	4,246.45	1.13	Michigan Constr. Co.
40	Wilmot St. Washtenaw Ave. to Elm St ...	1922	1,354	1,394.08	1,292.85	1.03	Michigan Constr. Co.
41	Murray Ave. Washington St. to Liberty St .	1922	1,433	1,645.53	1,379.55	1.15	Michigan Constr. Co.
42	Fountain St. Felch St. to Hiscock St.....	1922	662	686.32	633.00	1.04	Patrick Ryan Jr.
43	Ann St. State St. to Division St.....	1922	1,408	1,436.72	1,342.80	1.02	Patrick Ryan Jr.
44	Forest Ave. Cambridge Rd. to Hill St....	1922	1,861	1,866.61	1,710.20	1.00	Michigan Constr. Co.
45	Division St. Madison St. to Cross St.....	1922	1,117	1,177.19	1,096.98	1.05	Patrick Ryan Jr.
46	Walnut St. Geddes Av. to S Univer. Av...	1922	1,219	1,316.17	1,159.10	1.07	Michigan Constr. Co.
47	Oxford Rd Hill St. to Washtenaw Ave...	1922	1,251	1,346.12	1,113.50	1.08	Michigan Constr. Co.
48	Hill St. Packard St. to Main St.....	1922	3,735	3,802.01	3,530.60	1.02	Patrick Ryan Jr.
49	Michigan Ave. Wells St. to E. University Av..	1922	1,751	1,734.53	1,665.99	.99	Patrick Ryan Jr.
50	Wall St., Broadway to River.....	1923	3,080	3,219.85	2,961.70	1.05	Frank Ryan
51	S. Division St. Cross St. to Hill St.....	1923	530	576.81	520.65	1.09	Frank Ryan
	Totals Sheets 1 and 2.....		92,292	\$ 99,122.26	\$ 90,044.89		
52	White St. McKinley Av. to South End..	1923	953	1,031.41	972.40	1.08	Frank Ryan
53	Ononodaga St., Hill St. to Dorset Rd.....	1923	646	665.54	625.17	1.03	Frank Ryan
54	Thayer St.						

	Ann St. to Catherine St.....	1923	528	560.48	517.70	1.06	Frank Ryan
55	W. Madison St.						
	Main St. to Ashley St.....	1923	517	569.18	515.23	1.10	Frank Ryan
56	Brooks St.						
	Miller Av. to N. line Spring Hill.	1923	5,498	5,936.40	5,501.84	1.08	Frank Ryan
57	Washington Hgts						
	Observatory St. to E. end...	1923	2,136	2,275.04	2,112.96	1.07	Frank Ryan
58	Ingalls St.						
	Huron St. to Washington St...	1923	532	692.51	559.16	1.30	Frank Ryan
59	Ashley St.						
	Jefferson St. to Madison St...	1923	1,413	1,592.36	1,485.37	1.13	Frank Ryan
60	Moore St.						
	Broadway to Pontiac St.....	1923	945	1,040.95	903.00	1.10	Frank Ryan
61	Catherine St.						
	Division St. to State St.....	1923	1,370	1,493.22	1,398.32	1.08	Frank Ryan
62	Broadway						
	Swift St. to City Lts.....	1924	8,446	9,550.03	8,625.21	1.13	Patrick Ryan
63	Eighth St.						
	Liberty St. to Huron St.....	1924	2,702	2,797.65	2,526.48	1.04	Patrick Ryan
64	First St.						
	Jefferson to Madison.....	1924	1,498	1,562.95	1,411.22	1.04	Patrick Ryan
65	Ferdon Rd						
	Granger to Brooklyn.....	1924	614	640.29	551.26	1.04	Patrick Ryan
66	Second St.						
	Liberty St. to Mosley St.....	1924	4,531	4,669.89	4,294.59	.99	Patrick Ryan
67	Spring St.						
	Miller Ave. to Chubb Rd.....	1924	6,924	7,001.70	6,440.81	1.01	Patrick Ryan
68	East University Ave.....						
	Oakland Ave. to Packard St..	1924	2,157	2,286.69	2,037.23	1.06	Patrick Ryan
69	Linden St.						
	South University to Geddes...	1924	353G	771.88	698.60	.98	Patrick Ryan
70	Brooklyn Ave.						
	Packard St to Ferdon Rd...	1924	3,792	3,752.90	3,521.28	.99	Patrick Ryan
71	Arbor St.						
	State St. to Oakland Ave.	1924	848	959.75	874.32	1.13	Patrick Ryan
	Totals—Sheets 1, 2 and 3....		140,216	\$148,973.08	\$135,617.04		

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 & State Sts.....	1905	20	320	1	7	400	361.00	
		24	300					
E. William, Main to Maynard....	1905	20	891					
		18	248					
		15	332	6	29		3,014.67	
		10				1,166		
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					
		12	297					
E. Washington St.	1906	10		9	28	875	3,781.82	L. Dresselhouse
Hill & Washtenaw	1909						653.90	
Washington, East of State.....	1910		641	3	11	390	563.37.	
Ann St., & Alley, B I N, R 4 E....	1911						443.14	
Alley, B 3 S, R 3 E.....	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 & Benjamin.....	1911						884.78	
Church St., S. U. to Washtenaw..	1911	18	916	4	15	550	1,291.44	
Arch, White, McKinley & Packard.	1911	4x4	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					

Willard St., Church westly.....	1912	15	221	7	20	650	2,776.43	
W. Liberty, Alley W. of Ashley...	1912	..	144	1	2	28	168.53	
Ashley, for pavement.....	1912	12	85	0	2	20	63.99	
		..	.....	..	...	....	267.00	
Sheet Total .....		..	12,483	43	147	4,869	\$ 51,363.22	
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. Scheider
W. Jefferson St. 2nd. to 3rd.....	1914	..	339	1	10	446	1,095.62	E. L. Scheider
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, Williams								
- Liberty	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 pave.	1916	..	.....	2	11	130	159.45	City Force Acct.
Small extension & 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. Univ.	1917	..	780	7	6	94	1,510.87	Wm. Eddy & Son
Cambridge Rd. Lincoln to Baldwin								
Bald. Av., Cambridge to Wash..	1917	..	1,123	..	20	531	4,133.03	Wm. Eddy & Son
Alley, B 2 N, R 4 E.....	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
Sheet Total .....		..	31,414	168	399	11,663	\$ 91,902.90	
E. University Ave. S. U. to N. U...	1919	..	966	4	8	298	2,482.86	Wm. Eddy & Son
S. Univ. Ave. Linden 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 pav't.....	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, B 3 S, R 3 E.....	1920	..	300	3	3	...	489.36	City Force Acct.
			24				1,702	
N State St., River to Huron.....	1921	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.
Hill St., Oswego to Onondaga....	1921	12	493	3	4	68	1,114.63	City Force Acct.
Kingsley & Alley, B 3 N, R 4 E....	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, B 2 N, R 3 E.....	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					
		22	361	3	4	90	1,948.23	Sydnae Gustin Co.
Golden Ave & Woodlawn.....	1922	42	823					
Packard St. & Wells	1922	42	520	10	11	376		
Wells & Forest, to Cambridge....	1922	48	1,268				30,860.87	Bartling & Dull

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 St., 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 & Cross, Sts.....	1922	12	613	3	7	...	1,092.39	City Force Acct.
Onondaga, Hill Sly.....	1923	12	180	1	2	27	429.25	Wm Eddy & Son
Sheet Total .....	....	..	22,957	104	192	5,370	\$115,249.93	
Washtenaw Ave. Oxford to Baldw.	1923	22	150	3	4	63	5,299.20	Patrick Ryan
Washtenaw Av., Camb. to Fer....	1923	12	225	2	8	350		
Washtenaw Av. Wayne to Fair O.	1923	15	103	2	4	136		
Washtenaw Av. Berk. to Old Lts..	1923	12	563	3	12	320		
Washtenaw Av. 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
Oakland Ave. Hill St. Nly.....	1924	24	513	1	2	35	3,378.57	Frank Ryan
Jefferson St., 2nd. to Creek.....	1924	27	750	5	4	130	5,838.60	Frank Ryan
Second St., Jefferson, Nly.....	1924	12	372	2	2	53	972.81	Frank Ryan
Fourteenth St., Belser to Volland.	1923	15	454	6	11	253	3,284.93	Patrick Ryan
Camden & Geddes.....	1923	12	831					
S. Main & Jefferson.....	1924	12	414	..	...	.....		R. D. Ballew
S. Main Davis to Hoover.....	1924	22	276					
S. Main, Pauline to Hoover	1924	20	377					
S Main, Madison to Mosley.....	1924	15	456					
S Main, Hill to Mosley.....	1924	12	436					
S. Main, Outlet at Davis.....	1924	27	48					
		18	37					
S. Main, Fischer to Berkley.....	1924	12	329					
S. Main, Outlet at Berkley.....	1924	18	38					
S. Main, Outlet at Madison.....	1924	18	131	12	29	1,335	11,005.01	R. D Ballew
Davis Ave., Main St., Wly to angle	1924	20	305	2	1	18	1,211.22	City Force Acct.
Broadway, Jones to Cedar Bd....	1924	12	1,691	9	13	272		
Broadway, Traver Cr. to Moore...	1924	20	720					
Moore St., Broadway to Traver...	1924	15	228	3	5	172		
Moore St., Traver to Cedar.....	1924	12	329	1	1	16		

Cedar St., Moore to Wright.....	1924	12	340	3	9	145	10,625.06	Wm. Eddy & Son
Seventh St., Cr. to Washington...	1924	15	197					
		18	250					
Washington St., 7th. to Crest.....		15	665					
	1924	18	593					
Crest Ave., Washington St. Sly....	1924	12	318					
Third St, Creek to Krause.....	1924	12	521	12	23	1,285	9,503.44	Frank Ryan
Sheet Total .....	.....	..	15,609	77	144	4,991	\$ 74,800.43	
Ann St. Glen to Observatory.....	1924	12	370					
		15	851	6	11	270	3,419.49	Frank Ryan
Spring St. Hiscock to Sub. Nly....	1924	12	169					
Spring St. Sub. to Summit St....	1924	24	434					
Spring St., Summit Nly	1924	12	750					
Spring St., Miller Av. to Cherry St.	1924	12	605					
Sub. Daniel St. to Spring St.....	1924	22	360	11	6	145	7,667.90	R. T. Liddicoat
Cambridge Rd. Washtenaw to Day	1924	15	446					
Day to angle near Wayne	1924	22	426					
To Valley on Wayne.....	1924	18	335	8	10	250	5,379.02	Frank Ryan
Felch St., Allens Cr. to Spring....	1924	22	250					
		15	460	3	8	197	2,702.82	R. T. Liddicoat
*Felch St., Spring to Fountain....	1924	15	420					Not in Totals
*Felch St., Miner to Fountain....	1924	12	445	3	8	.....	.....	R. T. Liddicoat
Adams Ave., Hill St to angle	1924	12	107	1	2	25	216.52	City Force Acct.
S Uni. Ave., Wash. to Walnut....	1924	27	386					
S Uni. Av. Linden to Walnut....	1924	22	401					
Walnut St., S. U. to Geddes.....	1924	15	718					
Elm St., S. U. to Wilmot.....	1924	12	570	12	9	177	7,330.35	Frank Ryan
Thompson St, Packard to Cheever	1924	18	350					
		12	222	4	13	520	2,661.30	A A. Asphalt Co.
Cambridge Rd. Hill St. Sly.....	1924	12	300	1	2	28	605.88	Frank Ryan
*Alley, B 4 S, R 4 E.....	1924	12	.....	..	...	.....	.....	Frank Ryan
Sheet Total .....	.....	..	8,510	50	61	1,612	\$ 29,983.28	
Grand Total .....	.....	..	90,973	439	943	28,505	\$363,299.76	

SUMMARY OF SANITARY SEWER

District No.	STREET	Date	Total Length of Main
	Main sewer	1893	16,915
1	Liberty, E. of main sewer.....	1894	2,790
2	Washington, E of main sewer.....	1894	3,162
3	Hill St. district E of main sewer	1895	681
4	Huron, E of main sewer	1895	3,900
5	William, E of main sewer.....	1895	2,799
6	Detroit	1897	300
7	W. Liberty, to near Seventh.....	1897	1,804
8	E. Catherine, Division to State.....	1900	631
9	Ann, Huron, 13th and 14th	1901	1,370
10	14th and Volland	1901	1,266
11	First, Madison to Jefferson.....	1903	918
12	W. William St.	1903	1,527
13	Beakes, 4th A, 5th Av., Kingsley	1904	4,204
14	N. Main, main sewer to Catherine	1905	1,393
15	Cambridge, Washtenaw, Vinewood, Ferdon.....	1905	1,487
16	W Liberty extension to City Limits.....	1906	1,352
17	3rd, William to Jefferson	1905	602
18	W. Huron	1906	3,509
19	Church	1906	444
20	Miller Ave.	1906	2,224
21	Spring, Miller to Hiscock	1907	1,252
22	W. Washington and 3rd	1907	2,834
23	S. Division (Note)	1906	200
24	Geddes Av. Hill & Oswego	1907	1,730
25	State and Dewey Av.	1907	3,134
26	Broadway and Wall St.	1907	5,682
27	Second Ward	1908	11,470
28	Belser, Observatory, Volland.....	1907	2,380
29	Spring St extension	1908	896
30	E Catherine and Clark	1908	1,498
	Sheet Total .....	.....	81,555
	*Branches only.		
	NOTE.—District 23 never accepted by city. Above data is engin		
31	Fuller and Elizabeth	1907	1,080
32	S Main, Mosley, Ashley	1909	3,679
33	Arch, White, McKinley	1909	1,458
34	Packard, Granger, Ferdon	1909	10,128
35	Second, William to Liberty	1909	321
36	N. 5th Av. and E Summit	1910	891
37	Cambridge, Washtenaw to Hill.....	1910	1,200
38	Hill, Division to Main	1910	1,320
39	Fuller, Glen to State	1910	1,197
40	Ashley, Kingsley to Ann	1910	771
41	Felch, Fountain, Hiscock, Chapin, & Cherry....	1910	4,070
42	N. Main, Summit to A.A R.R.....	1911	651
43	4th., Beakes to Summit	1911	869
44	Depot, 4th Av. to Main	1911	335
45	White and McKinley	1911	345
46	Olivia Av. and Minerva Rd	1911	733
47	E. Ann, Glen to Ingalls.....	1911	655
48	Murray Av., Washington to Liberty.....	1912	724
49	Olivia Av. N. of Minerva Rd.....	1912	157

S IN THE CITY OF ANN ARBOR

No. Manholes	No. Flush Tanks	No. Light Holes	8 Inch Tile	10 Inch Tile	No. of House Connections	Length of House Conn.	Flush Tanks Changed to Manhole	Total Cost
61	..	..	15 in. 6,445	9,150.24 in. 1,320.18	120	.....	..	\$ 41,252.83
9	1	4	6,445	2,555	82	.....	..	3,954.44
13	0	2	235	2,927	97	.....	..	6,831.08
1	1	0	681	.....	20	.....	..	27,912.80
15	0	6	300	3,600	33	.....	..	4,303.19
14	0	4	345	2,454	58	.....	..	8,454.98
1	0	0	345	300	5	.....	..	12,587 00
5	1	5	1,804	.....	66	998	..	1,887.84
0	1	1	631	.....	22	256	..	527.43
4	2	0	1,370	.....	50	988	..	2,163.46
3	1	0	1,266	.....	35	630	..	1,541.47
3	1	0	613	305	27	508	..	1,169.51
4	1	0	583	344	40	678	..	2,083.02
8	7	0	2,706	1,498	137	2,316	..	5 024 40
3	2	0	1,393	.....	69	1,444	..	2,322.48
4	2	0	1,487	.....	28	707	..	1,735.64
3	1	0	1,352	.....	40	726	..	1,265.68
1	1	0	602	.....	19	328	..	590.84
8	1	0	2,942	567	102	2,066	..	4,111 52
1	1	0	444	.....	22	376	..	574.76
9	1	0	1,737	487	57	987	..	2,147.27
4	0	0	688	564	*32	.....	..	1,070.92
8	2	0	2,834	.....	*88	.....	..	2,369.03
0	1	0	200	.....	8	160	..	250.00
5	2	0	1,730	.....	*30	.....	..	1,530.50
3	2	0	2,882	242	*83	.....	..	2,186.57
20	2	0	3,571	2,111	*143	.....	..	4,989.01
24	13	0	3,540	1,930	*337	.....	..	8 035.98
4	3	0	2,380	.....	*39	.....	..	1,895.50
3	1	0	896	.....	*26	.....	..	632.32
3	2	0	1,498	.....	*38	.....	..	1,148 36
244	53	22	40,710	36,699	1,958	13,168	..	\$156,549.83

eer's approximate estimate.

2	2	0	1,080	.....	*22	.....	..	943.60
8	3	0	3,108	571	*98	.....	..	2,229.03
3	..	0	.....	1,458	*58	.....	..	513.49
27	7	0	7,030	3,098	*376	.....	..	6,300.06
..	1	0	321	.....	*12	.....	..	240.69
2	2	0	891	.....	*27	.....	..	741.30
3	2	0	1,200	.....	*34	.....	..	911 39
3	1	0	1,320	.....	*40	.....	..	1,037 00
3	1	0	1,197	.....	*19	.....	..	815.93
2	1	0	771	.....	*30	.....	..	667.77
8	6	4	3,328	742	*122	.....	..	3,229 79
2	1	0	651	.....	17	230	..	680.14
2	1	0	869	.....	*31	.....	..	646.55
..	1	0	335	.....	*9	.....	..	204.26
1	1	0	345	.....	*18	.....	..	247.32
2	1	0	733	.....	*29	.....	..	538.53
1	1	0	655	.....	*28	.....	..	532.71
4	1	1	738	.....	27	350	..	1,009.62
..	1	1	166	.....	8	102	..	301 02

50	Myrtle, Oswego to City Limits.....	1912	651
51	Summit St., Main to Spring.....	1914	1,295
52	Hiscock St, Fountain to Miner.....	1913	372
53	Crest Av. & W. Washington.....	1914	1,774
54	W. Liberty, to City Limits.....	1913	464
55	Austin Av. & Washtenaw Av.....	1914	2,486
56	Third Ward, Washtenaw Av.....	1914	7,186
57	Geddes Av., Oswego to 210 feet E.....	1914	276
58	W Huron St., to end of pav't.....	1913	75
59	Ann St., Clark to Observatory.....	1913	610
60	Brown St., 4th Av. & Philip St.....	1914	2,551
61	E. Catherine, Detroit & Fourth.....	1914	2,622
62	E. Catherine, Clark to 100 feet E.....	1914	101

Sheet Total 51,047

NOTE.—In District No. 50, one 8 in. house connection, 28 feet 1
*Branches only

63	Sixth, Seventh & Eighth Sts.....	1914	3,146
64	Third, Fourth & Fifth Sts.	1914	647
65	Packard St.	1914	428
66	First St., Catherine to Ann	1914	225
67	Moore St, Broadway to Pontiac.....	1914	545
68	Seventh, Bath & Willow Sts.....	1915	4,523
69	Mosley St., Second to Third St.....	1916	250
70	West St., from Main St., W.	1916	552
71	Roosevelt Ave., Church to Forest	1916	222
72	Hamilton, Rose & Sheehan Add.....	1917	10,297
	Olivia Av., Wells St. north.....	1915	188
73	Eber White Addition	1916	1,766
74	Lincoln St, 4th Ave. to Main.....	1916	564
75	Hill, Onondaga, Geddes, Berkshire	1917	1,366
76	Washington St., 12th to 14th.....	1917	646
77	John K ave. & First St.	1916	995
78	Fifth St. south of Madison.....	1916	882
79	Hiscock St, Summit to Spring.....	1916	1,080
80	Seventh St, Liberty to Jefferson.....	1917	1,374
81	Wells St., Baldwin to Ferdon.....	1917	368
82	Packard & Brooklyn	1917	3,307
83	Eighth St., Huron to Wash.....	1917	210
84	Killins Heights Add.	1917	5,324
85	Eber White & Soule Blvd	1917	1,144
86	West Hoover Ave.	1918	447
87	Ninth St., Huron St South.....	1918	216
88	Jackson Ave., Forks to Limits.....	1919	1,945
89	Jones & Mill Sts.	1920	530
90	Berkshire Rd & Orchard St.....	1920	880
91	E Hoover Ave	1920	355
92	Edward St.	1920	240
93	Seventh St., Wash. to Huron St.....	1919	146

Totals of Sheet..... 44,808

*Branches only

94	Boulevard Drive	1919	1,017
	Dexter Ave.....	1919	168
95	Pauline Blvd	1920	216
96	Fifth Ave., South Madison.....	1920	250
97	Day St., Cambridge to Wayne.....	1920	556
98	Soule Blvd., Maxwell to Elder.....	1921	494
99	Elder Blvd. Buchanan to Soule	1921	690

1	1	1	668	.....	17	370	..	1,795.69
5	1	1	1,302	.....	*41	.....	..	1,158.57
..	1	1	378	.....	*14	.....	..	318.41
4	3	3	1,798	.....	66	1,006	1	2,432.81
1	1	1	472	.....	24	382	1	1,101.54
9	2	2	2,494	.....	*78	.....	..	3,862.29
22	8	8	6,832	430	*244	.....	..	7,655.78
..	1	1	281	.....	6	80	1	574.29
..	1	1	82	.....	3	12	1	187.06
1	1	1	514	.....	*18	.....	..	765.61
7	3	3	2,576	.....	*93	.....	..	2,902.70
9	4	4	2,626	.....	73	1,326	..	4,863.19
..	1	1	104	.....	*5	.....	..	155.14
132	62	34	44,965	6,299	1,687	3,858	4	\$ 49,563.28

ong, is included in above table.

12	5	5	696CI	.....	88	1,330	..	4,658.28
			2,372T					
1	3	3	36CI	.....	*31	.....	..	750.98
			628T					
1	0	0	428	.....	*11	.....	..	271.15
..	1	1	231	.....	*10	.....	..	423.80
2	1	1	546	.....	*16	.....	..	634.22
21	6	0	3,735	788	*77	.....	..	3,593.14
..	1	1	222	.....	*14	.....	1	250.63
3	1	0	504	.....	*24	.....	..	622.18
0	1	0	204	.....	*9	.....	..	204.92
33	9	0	6,014	3,661	*311	.....	..	16,293.03
..	1	1	188	.....	*6	.....	..	150.21
10	2	0	1,670	.....	48	1,064	..	2,663.82
2	2	0	524	.....	*20	.....	..	640.89
6	2	0	1,312	.....	*27	.....	1	2,499.17
3	1	2	12CI	250	*22	.....	..	862.93
			340VT	15-in.				
4	2	0	923	.....	*36	.....	..	1,082.34
3	1	0	806	.....	*38	.....	..	874.80
6	1	0	1,002	.....	*39	.....	..	1,251.27
6	2	0	1310VT	.....	*26	.....	..	1,204.50
			12CI					
3	1	0	336	.....	*16	.....	..	485.85
11	2	0	3,073	.....	*117	.....	..	4,165.25
..	1	0	198	.....	*6	.....	..	339.01
14	8	0	4,932	.....	*196	.....	..	7,218.53
7	0	0	1,082	.....	*31	.....	..	2,035.79
4	0	0	415	.....	*16	.....	..	990.66
0	1	0	200	.....	*8	.....	..	309.14
7	1	0	1,945	.....	65	126	1	2,401.97
2	1	0	530	.....	*7	.....	..	1,233.00
4	1	0	880	.....	20	.....	..	2,534.09
1	1	0	355	.....	10	.....	..	711.25
2	0	0	240	.....	*5	.....	..	526.37
1	0	0	146	.....	2	2	..	303.79
169	59	14	38,047	4,449	1,352	2,522	4	\$ 62,186.96

5	0	0	1,017	.....	1	.....	..	2,215.81
1	0	0	168	.....	2	24	..	101.00
1	0	0	216	.....	8	.....	1	687.71
3	0	0	250	.....	1	.....	..	632.99
4	0	0	556	.....	1	.....	..	1,609.73
3	1	0	466	.....	14	.....	..	1,426.88
2	0	0	648	.....	21	.....	..	1,629.16

100	Lutz Ave., Elder to Eberwhite.....	1921	310
101	Pontiac Rd., Moore to C. Limits.....	1921	2,589
102	Onondadga., Hill to Dorsat.....	1921	359
103	Seventh St, Madison to Davis.....	1921	1,412
104	Day St., Wayne to Berkshire.....	1921	416
105	Morton Ave., Packard to Baldwin.....	1921	1,068
106	Dexter Ave, Pavement, West 450 feet.....	1921	454
107	Woodlawn Ave., Packard to Ingalls.....	1921	921
108	Sylvan Ave, Packard to White.....	1921	700
109	Dexter Ave. extension 300 feet.....	1921	300
110	Shadford Rd. Packard to Baldwin.....	1922	794
111	Washington Hgts. Observatory to river.....	1923	2,216
112	Miller Ave., west Park Sub Main.....	1923	813
113	John St., Division to 5th Ave.....	1923	464
114	Vinewood Blvd., Wayne to City limits.....	1923	490
115	Dexter Ave, 9+25 to City Limits.....	1923	1,137
116	Charlton Ave, Virginia, West.....	1923	420
117	Abbott Ave., Virginia, West.....	1923	414
118	Krause St. Murray to Third.....	1923	445
119	Henry St., Golden to Packard.....	1923	2,443
	xWildwood Ave., Dexter north.....	....	265
	University Relief.....	1923	569-15
120	Davis, Wilder, Hoover, Fifth.....	1923	2,128
121	Third St., Washington to Huron.....	1923	248
122	Grand View Drive.....	1923	402
123	Medallion St.	1923	325
	Sheet Total.....	....	25,493
	xPrivate sewer.		
124	Maxwell & Wakefield.....	1923	550
125	Eighth St.	1923	829
126	Cedar & Wright.....	1923	1,328
127	Daniel St.	1923	400
128	S Seventh St.	1923	516
129	Washtenaw Ave.....	1923	735
130	Spring St.	1923	1,298
131	Berkshire Rd.....	1923	313
132	S. Main St.	1923	2,722
133	Davis Ave.	1923	275
134	Fifth St.	1923	300
135	Brooks St.	1923	277
136	Pauline Blvd.	1924	698
137	Jackson Hgts, Add.	1924	2,744
138	Devonshire, Melrose, Tuomy.....	1924	2,686
139	Baldwin Ave.	1924	760
140	Scottwood, Woodside, etc.....	1924	2,504
141	Brockman Blvd.	1924	463
142	Mt. Vernon.....	1924	807
143	Hoover, Davis, Third.....	1924	3,160
144	Liberty, Washington, Sub.....	1924	1,613
145	Fairview Hgts.	1924	2,441
146	Wildwood Ave Sub Sly.....	1924	244
147	Westwood Hills.....	1924	6,488
	xRevena Blvd, Huron to Linn.....	1924	336
	xWildwood Ave., Sub. Nly.....	1924	484
	xGardner Ave. & Westminster Pl.....	1824	775
	Sheet Total.....	....	35,747
	Grand Total.....	....	238,650
	*Not completed.		
	xPrivate sewer.		

2	0	0	284	.....	13	.....	..	890.34
10	1	0	2,431	.....	79	.....	1	6,672.31
2	0	0	347	.....	6	.....	..	957.41
4	0	0	1,310	.....	51	.....	..	3,545.36
2	0	0	390	.....	13	.....	..	989.31
6	0	0	1,000	.....	34	.....	..	2,336.57
3	0	0	430	.....	12	.....	..	1,153.58
3	1	0	841	.....	40	.....	..	1,516.29
4	1	0	646	.....	27	.....	..	1,057.81
2	0	0	280	.....	10	.....	..	770.84
2	0	0	742	.....	26	.....	..	1,557.65
10	1	0	1,206	1,010	26	.....	..	3,876.70
3	0	0	439	12 in. 374	..	.....	..	1,002.51
2	1	0	432	.....	16	.....	..	754.48
2	0	0	466	.....	12	.....	1	875.52
5	0	0	1,069	.....	34	.....	..	3,950.10
2	0	0	392	.....	14	.....	..	605.33
2	0	0	388	.....	13	.....	..	588.73
2	1	0	411	.....	17	.....	..	908.57
8	1	0	2,443	.....	72	.....	..	14,798.70
0	1	0	.....	.....	..	.....	..	450.00
in. 2	0	0	.....	569-15 in.	..	.....	..	4,607.69
10	2	0	2,128	.....	56	786	..	5,949.94
0	1	0	248	.....	4	16	..	564.60
1	1	0	402	.....	11	106	..	1,237.94
0	1	0	325	.....	7	96	..	1,020.46
<u>108</u>	<u>14</u>	<u>..</u>	<u>21,932</u>	<u>1,953</u>	<u>641</u>	<u>1,028</u>	<u>4</u>	<u>\$ 70,942.02</u>

0	2	0	550	.....	16	208	..	1,384.34
5	1	0	829	.....	27	348	..	3,325.75
6	1	0	1,328	.....	29	400	..	3,727.94
1	1	0	400	.....	11	140	..	1,255.06
1	1	0	516	.....	19	270	..	2,155.73
3	0	0	735	.....	12	202	1	2,706.65
5	0	0	1,298	.....	37	.....	..	3,103.02
1	1	0	313	.....	8	120	..	1,234.34
8	3	0	2,722	.....	73	728	..	10,147.81
1	1	0	275	.....	8	90	..	1,060.48
0	1	0	300	.....	12	180	1	1,096.44
2	0	0	277	.....	11	160	..	946.37
3	0	0	698	.....	20	.....	..	1,818.72
13	4	0	2,744	.....	58	64	..	8,892.54
15	2	0	2,686	.....	49	92	..	9,012.91
4	1	0	760	.....	11	.....	..	2,279.75
14	2	0	2,504	.....	41	72	..	11,474.30
2	1	0	463	.....	6	.....	..	*
3	1	0	807	.....	16	.....	..	2,477.64
14	5	0	3,160	.....	105	.....	..	9,983.60
8	1	0	748	865-12 in.	28	.....	..	4,008.62
10	4	0	2,441	.....	66	178	..	12,921.99
3	1	0	244	.....	6	.....	..	1,099.60
29	7	0	2,706	430-15 in.	71	.....	..	24,681.25
				3,352-12 in.				
2	1	0	336	.....	13	.....	..	980.00
3	1	0	484	.....	7	.....	..	1,650.00
3	2	0	775	.....	21	.....	..	1,470.00
<u>159</u>	<u>45</u>	<u>..</u>	<u>31,099</u>	<u>4,647</u>	<u>781</u>	<u>3,252</u>	<u>2</u>	<u>\$124,894.85</u>
<u>812</u>	<u>233</u>	<u>70</u>	<u>176,753</u>	<u>54,047</u>	<u>6,419</u>	<u>23,828</u>	<u>14</u>	<u>\$464,136.94</u>

Annual Report of Street Department

To the Honorable Board of Public Works,
A. R. Cole, President,
Ann Arbor, Michigan.

Gentlemen:

I submit herewith the annual report of the Street Department, for the year ending December, 1924, including care of streets, building and repairs of sidewalks, extensions, crosswalks, repairing and maintenance of pavements, and the laying of dust on our streets.

Cleaning Paved Streets

Labor, hand brooming . . .	\$4,090.83
Drawing away sweepings. 1,665.56	
Operator of Motor Sweeper	1,140.20
Gasoline 1300 gal, \$201.88	
oil 129 quats \$36.43	238.31
Maintenance of Butler Vacuum Sweeper, new	152.80
Maintenance of Elgin Sweeper 8th Season.	85.20
Making new brooms	84.40
Broom Fibre	214.47
Street Brooms for white wings	78.08
Unloading No. 1 Butler Sweeper \$10.00 No. 2 \$4.00	14.00

Total \$7,763.85

No. days sweeping 181 days.

Street Work

Cleaning gutters on dirt streets	\$2,624.14
Grading Streets with Graders	2,287.50
Drawing cinders	1,483.77
Grading streets, ordered by board	9,382.27
Grading for sidewalks..	1,887.41
Cleaning alleys	40.23
Cleaning snow from walks	214.56
Drawing snow from streets	1,149.96
Graveling streets labor \$2,378.05 Cost of gravel at pit \$4,835.00	7,213.05
Cleaning inlets and culverts	469.14
Cleaning crosswalks	235.14
Picking up papers	29.80
Digging out trees, ordered by Board of Public Works	33.10
Drawing leaves from paved streets, \$163.20.	

Scraping leaves from paved street and burning \$123.40	286.60
Drawing stone from Swift st. Daniel & Plum-st.	37.46
Repairing dirt streets	331.21
Mowing weeds and grass.	384.25
Repair work intersection, White & Brookwood	69.54

Total \$28,159.13

Transport Truck No. 5

Gasoline 2,356 gal	\$397.17
Lub. oil and grease	18.38
Repairs and maintenance	282.40

Total \$697.95
Mileage in 1924 9245M. cost per mile .0725.

Transport Truck No. 6

Gasoline 1436 gal.	\$234.12
Lub. oil and grease	6.18
Repairs and maintenance.	111.50

Total \$351.80
Mileage in 1924, 6350 M. cost per M. .0591.

Transport Truck No. 7

Gasoline 1,366 gal	\$206.78
Lub. oil and grease	11.70
Repairs and maintenance.	122.11

Total \$340.59
Mileage in 1924—6,350 M., cost per mile .0523.

Federal Truck

Gasoline 925 gal	\$163.28
Lub. oil and grease	9.14
Repairs and maintenance.	168.06

Total \$340.48
Mileage in 1924, 2,162 M., cost per mile .154.

Ford Runabout No. 4

Gasoline 485 gal	\$ 85.56
Lub. oil and grease	7.56
Maintenance and repairs.. . . .	71.88

Total 165.00
Mileage in 1924, 6,623, cost per M. .0249.

Ford Tractor

Gasoline 996 gal	\$153.39
Lub. oil and grease	13.86
Repairs and maintenance.	142.10

Total \$309.35

Wehr Grader No. 1

Gasoline	\$349.81
Lub. oil and grease	36.88
Repairs and maintenance	213.27

Total \$599.96

H. and P. Grader No. 2

Gasoline \$21.17
Lub. oil and grease .. . 33.92
Repairs and maintenance . 250.73

Total \$611.82

Scarifying Streets

Labor \$1,012.48
Repairing boiler .. . 14.40
Buffalo Springfield Roller Co. .. . 10.10
Smith Winchester Co. 1 oiler .. . 14.50
Coal 247.71

Total \$1,299.19

Treating Streets With Oil

Cost of 4 carloads of oil .. \$2,427.02
Freight on oil .. . 555.57
7000 gal. on hand @ 9.3 per gal. .. . 653.34
Coal for heating .. . 46.33
Detroit Edison for service labor for oiling, unloading and superintending .. . 790.02
Austin Western Road Mach. Co. .. . 52.74
Engineering Contingencies 118.10

Total Expense \$4,658.92
Paid by Property owners \$3,793.80

City Share \$ 865.12

Treating Streets With Calcium Chloride

400 sacks calcium chloride \$480.00
Freight 67.49
Unloading Cal. Chloride... 7.58
Labor, Applying Calcium Chloride 45.98

.. .. . \$601.05
Paid by property owners .. 136.08

.. .. . \$464.97
88 sacks in storage .. . 119.97

City Share \$345.00

Repairing Concrete Pavements With Tarvia A

Two car loads Tarvia A .. \$1,846.14
5,000 gal Tarvia on hand @ 9 1-2 per gal .. . 475.00
Freight on two carloads Tarvia 153.16
17 carloads B. E. gravel.. 750.70
Freight on 17 carloads B. E. 565.57
Unloading and spreading B. E. 1,239.95
Coal for heating .. . 61.16
Two barrels of solvent and freight 38.28
Detroit Edison for service 10.37

Total \$5,140.33

97,740 yards covered. Cost per square yard .052.

Repairing Concrete Pavements With Tarvia X C

25 barrels Tarvia XC \$218.16
Freight on 25 barrel XC .. 28.38
2 barrel Tarvia B .. . 16.32
Freight on 2 barrel Tarvia B .. . 2.31
Labor applying same 337.92

Total \$603.09

Grand Total \$39,828.81

Sidewalk Extension, Crosswalks and Culverts

Labor constructing sidewalk extensions \$1,159.43
Cement used for Extensions 668 sacks 400.00
Gravel and sand 125 yards 250.00
Labor relaying and constructing new crosswalks .. . 689.76
Cement used for crosswalks 220 sacks.... 132.00
Gravel and sand used 45 yards .. . 90.00
Carey & Co. expansion joints .. . 72.09
Sidewalk extensions constructed by O. Stierle \$6.00; A. F. Thompson \$291.18; Baumann & Walterhouse \$64.86; Tom Hession \$4.50 .. . 366.54
Labor constructing new culverts and gutters. 595.54
Gravel used 35 yards 70.00
Cement used 161 sacks .. 96.60
Iron pipe culvert at Seneca & Onondaga ... 5.78
Iron pipe culvert at Dorset & Berkshire 6.78
Iron pipe culvert at Austin & Norway .. . 6.78
Repairing culverts .. . 24.91

Total \$3,876.21

Sewer Work

Lowering Manhole covers .. \$ 4.00
Constructing new inlets on E. Washington-st.... 11.50
Cleaning out storm sewer at 4th ave. and Madison st. 7.75
Placing inlets cor N. Main & Depot St. 16.70
Repairing sewer on 7th-st 3.00
Drawing sewer pipe from W. Jefferson-st..... 19.97
Cleaning out storm sewer Hoover-av. White St... 83.80
Drawing sewer pipe. Doty-ave. sewer .. . 5.80

Filling storm sewer ditch on Spring-st.	12.18	labor and material..	119.55
Constructing Adams-a v e. storm sewer, labor and and material	308.20	Placing paper cans.....	1 80
Repairing inlet in storm sewer in alley.....	3.64	Unloading carload sewer pipe	14.00
		Repairing motor on grader	5.85
		Replacing window lights at City Yard.....	1.00
	\$476.54	Cleaning boiler at Storage Tank	2.00
		Constructing platform at vault, Fairview Ceme- tery	29.00
		Repairing snow plows and Fresno scraper.	8.40
			<hr/>
			\$951.38

Repairing Pavements

Labor repairing pave- ments	\$ 780.08
Cement used, 413 sacks..	247.80
Gravel used, 103 yards...	206.00
Old brick used 1,885....	37.70
New brick used 3,309....	165.45
Ann Arbor Asphalt Con- struction Co, repair- ing asphalt pavement ordered by B. of P, Works; work done by contractor	875 50
Repairing pavement, cor. Packard and Dewey.	75.90
Repairing pavement cor. State and Arbor....	263.60
Repairing pavement, cor. Packard and State..	148.24
	<hr/>
	\$2,800.27

General Work and Repairs

Unloading cement at stor- age house	\$ 17.40
Cleaning up City Yard..	7.80
Repairing horse drawn sweeper	6.30
Cleaning and repairing road roller	30 05
Emptying paper cans...	8.90
Removing smoke stack from Incinerator plant	3.00
Building barricades	7.60
Hauling coal for poor....	7.12
Testing gravel pit at Hagan farm.....	47.60
Cleaning and packing cement sacks	24.95
Cleaning and repairing oil distributor	19.85
Taking ashes from City Hall	12 89
Constructing foundation at Fifth Ward Voting Precinct	64.32
Fencing and placing gate at dumping grounds.	2.40
Repairing bridge at Henry-st.	8.50
Unloading sign posts, digging post holes and placing sign....	485.15
Replacing street signs...	14.45
Cleaning drinking foun- tains	1.50
Repairing Bridge No. 3,	

General Supplies

Henry Platt	\$ 338.80
A. A. Railroad Co., freight	27.43
M. C. Railroad Co., freight	7.66
Hertler Brothers	123.94
Schumacher Hardware Co.	111.88
Peninsular Cement Co. carload cement	1,152.27
A. R. Cble, cement.....	112.00
Wolf & Colvin	108.70
Welor Grader Co.....	100.00
John Fischer & Co.....	30 09
John Volz & Son.....	33.85
Michigan Equipment Co..	187.00
Ann Arbor Imp. Co....	39.00
Schlenker Hardware Co..	20.25
William Rhode	22.75
Ann Arbor Asphalt Con- struction Co.	228.00
D. U. R. R. Co.....	9.77
Monson Patter & Ma- chine Co.	12.70
Wessinger Sign Co.	12.00
Hutzel & Company	18.97
Luick Brothers	38.82
Detroit Transport Sales Company	173.66
C. W. Cornell	26.70
F. J. Williams	19.50
Stebler Oil Co.	35.57
John Sauer	12.35
J. F. Riehm	19.70
Economy Baler Co.....	91.05
Ann Arbor Water Co....	103.00
D. J. Mallory	5.35
Frank Field	12.00
Pen. Portland Cement Co	.50
J. W. Woolboms	1.00
E. Scott	15.00
Detroit Edison Co.....	5.62
C. A. Sauer	1.85
Sam Andress	1.50
Mayer Hardware Co....	.75
Geo. Otto	2.00
Dawson Brothers .....	.70
Wahr Shoe Store.....	4.50
Chas. Hvass & Co.....	5.00
Eug. Oesterlin	2.75

Michigan Bell Telephone Co.	4.65
Municipal Supply Co.	5.10
	<hr/>
	\$3,285.58

City Team

Wolf & Colvin	\$ 102.05
Hay	139.96
Oats	168.44
Straw	9.55
Corn	9.25
Harness repairs	31.85
	<hr/>
	\$461.10

General Supplies and City Team	\$ 3,746.68
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Recapitulation

Cleaning paved street..	\$ 7,763.85
Street work	39,828.81
Sidewalk extensions, crosswalks and culverts	3,876.21
Sewer work	476.54
Repairing pavements...	2,800.27
General work and repairs	951.38
General supplies	3,746.68
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	\$59,443.74

Respectfully submitted,
ALFRED J. PAUL
Street Commissioner.

Inventory, January 1, 1925

1—3-ton transport truck	\$ 2,000.00
2—2-ton transport trucks	5,412.00
1—Welor grader	1,000.00
1—Hatfield - Penfield grader	1,000.00
1—Ford runabout	150.00
1—Ford tractor	275.00
1—Elgin motor driven sweeper	200.00
1—Diaphragm gasoline pump	350.00
1—Notary gasoline pump	250.00
1—Diaphragm hand pump	10.00
1—Austin oil spreader	350.00
1—Studebaker sprinkling wagon	300.00
7—Steel snow plows..	345.00
2—Standard snow plows	50.00
6—Woodwen snow plows	24.00
1—Calcium chloride spreader	80.00
2—Tar storage tanks and boiler	1,250.00
1—Horse-drawn sweeper	25.00
1—Tool box on wheels	10.00
1—Team of horses...	300.00

1—Set of harness....	40.00
2—Stable blankets...	3.00
2—Woolen blankets..	4.00
1—Troy dump wagon	125.00
1—Wagon with wood box	50.00
1—Tbote cement mixer	200.00
1—Kelly Springfield roller	3,000.00
1—Pair bob sleighs..	15.00
1—Platform scale....	300.00
1—20th Century grader	50.00
1—Austin Western grader	400.00
1—Austin Standard grader	500.00
1—Tar tank on wheels	20.00
1—Tar tank on wheels	50.00
1—Small kettle on wheels	30.00
3—Slip scrapers	8.00
1—Fresno scraper	15.00
1—50-gal. oil tank...	10.00
—150 ft. inch hose..	10.00
1—Grindstone	5.00
1—Ton hay	18.00
100—Bu oats	60.00
1—Road drag	15.00
5—Wheelbarrows	5.00
1—Lb of inch pipe..	15.00
1—Caldron kettle	10.00
1—Broom filler	70.00
3—Log chains	4.00
1—Extra heavy R. R chain	5.00
2—Sledge hammers..	3.00
1—Stencil alphabel ..	1.00
2—Oil cans	1.00
1—Two horse mower..	5.00
1—Set cement tools..	3.00
1—Lot sewer screws..	40.00
1—Rooter	10.00
1—65 Wiard breaker	15.00
5—Barley forks	5.00
1—Lot fire hose.....	5.00
3—Axes	3.00
1—Cross-cut saw	5.00
3—3d 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 bits....	3.00
13—Red lanterns.....	13.00
2—Levels	5.00
4—Scythes	8.00
1—Hedge scythe.....	3.00
11—Picks	17.50
2—Tampers	2.00
2—Hand saws	2.00
2—Scoop shovels	2.00
2—Paving hanona ..	2.00
4—Crow bars	4.00
3—Spred bars	3.00

2—Knovells at scraper	4.00
2—Hose wizzlers	3.00
3—Rakes	3.00
2—Pair rubber boots.	5.00
3—Pair rubber shoes.	5.00
1—Wagon jack	5.00
1—R. R. jack	8.00
3—Ritch forks	2.00
2—Stone forks	2.00
8—Snow shovels	8.00
11—Shovels wide	11.00
500—Broom fibre	45.00
1—Cleveland tractor	50.00
88—S a c k s calcium chloride	119.97
1—Broom	20.00
Total	\$18,796.47

Building Material On Hand

350—12-in. sewer pipe	\$157.50
33—27-in' sewer pipe	303.00
15—18-in. sewer pipe	25.00
15—15-in. sewer pipe	18.50
15—24-in sewer pipe	45.90
4—20-in. elbows	32.00
2—15-in. elbows	9.75
20—12-in. T's	25.40
28—12-in. T's	45.20
1—Lot plank	30.00
102—Crosswalk plates	200.00
	\$954.76

Respectfully submitted,
ALFRED J. PAUL,
 Street Com.

Annual Report of Water Works

Dept. received and ordered printed in minutes of next meeting on motion of Ald. Gram.

Exit Ald. Dwyer.

Office of City Engineer, Feb. 9, 1925.

Honorable Common Council,
 Ann Arbor, Mich.
 Gentlemen:

I wish to submit the following correction to the Assessment Boundaries of Lateral Sewers Districts Nos. 146 and 147.

The Assessment Boundaries for Lateral Sewer District No. 146 should read, lots 1, 2, 3, 18, 20 and 21, Wildwood Park Addition

The Assessment Boundaries for Lateral Sewer District No. 147 should read, lots 3 to 9 inclusive, lots 18 to 25 inclusive lots 30 to 39 inclusive, lots 46 to 59 inclusive, lots 64 to 78 inclusive, lots 81, 83 and 86 inclusive, lots 91 to 98 inclusive, Westwood Hills Subdivision.

I recommend the following distribution of cost for construction of lateral sewers: District No. 144

City Share \$2,141.00; property share \$1,867.62. District No. 147, City Share \$12,861.40; property share \$11,819.85.

Respectfully submitted, Geo. H. Sandenburgh, City Engineer.
 By Ald. Lucas:

Resolved, that the boundaries for lateral sewers Districts Nos. 146 and 147, adopted by the Common Council December 1, 1924, be and they are hereby changed to conform to the correction submitted by the City Engineer.

Resolved further, that the distribution of cost of construction of lateral sewers in Lateral Sewer Districts Nos. 144 and 147, as submitted by the City Engineer, be adopted.

Resolved further that the City Clerk do certify this determination and order of assessments to the City Assessor.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

Moved by Ald. Jocelyn, that we proceed to election of Poor commissioner.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

Ald. Jocelyn nominated Maude R. Boynton for Poor commissioner.

Moved by Ald White, that we reconsider motion to proceed to election of Poor commissioner.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

The original motion was defeated by following vote: Yeas, none, Nays Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10.

Moved by Ald. Moore, that election of Poor Commissioner be made a special order of next regular meeting.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

Moved by Ald. Gram, that election of City Physician be postponed.

Adopted by following vote: Yeas

Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

By Ald. Graf:

Resolved, that the Board of Public Works be authorized to repair or, if necessary, to construct a new roof on the Second Ward building used as a polling place.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

By Ald. Graf:

Resolved, that the Board of Public Works prepare plans, specifications and estimate of cost for construction of a bridge across the Huron river on Fuller street, to replace bridge known as Number 3 and the Board is hereby requested to present same at next regular meeting of Council.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

By Ald. Nichols:

Resolved, that the Board of Public Commissioners be requested to prohibit the parking of vehicles on the south side of Huron street between Ashley-st. and Thayer-st.

Resolved, further, that the matter of creating a parking place for vehicles at the intersection of Catherine street, Fourth avenue and Detroit street be referred to the Ordinance Committee.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

By Ald. Gram:

Resolved, and it is hereby ordered that the vacancy in the of-

fice of Alderman in the Seventh Ward, caused by resignation of Robert Norris, shall be filled at the city election to be held April 6, 1925.

Resolved, further that there shall be no gatekeepers for the primary elections to be held March 4, 1925.

Resolved, further, that Herman Gross, Maria Peel and George Lutz, sr. be appointed inspectors of election for the Seventh Ward for the primary elections to be held March 4, 1925.

Resolved, further, that the inspectors of election be authorized to appoint one extra clerk for their respective polling places if they deem it necessary.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

By Ald. White:

Resolved, by the common council of the city of Ann Arbor, that the time wherein the Treasurer of the City of Ann Arbor shall make his return to the County Treasurer of the County of Washtenaw for the taxes assessed for the year 1924 be and the same is hereby extended to and including the 28th day of February, A. D., 1925.

Adopted by following vote: Yeas Ald. Slauson, Jocelyn, Graf, Henderson, Lucas, Nichols, Moore, White Freeman, Gram, 10. Nays, none.

Ald. Lucas requested that matter of requiring sewers and sidewalks constructed in streets before accepting new plats be referred to City Attorney.

On motion of Ald. Nichols, council adjourned.

ISAAC G. REYNOLDS
City Clerk.