



City of Springfield, Illinois
Office of Public Works
Sewer Division

Sewer Facilities Plan

March 2024

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FACILITIES PLANNING INFORMATION

Loan applicant's background information including location, historical population, makeup of customer base, conditions affecting growth, and 20 year design population/customer base.

The City of Springfield is located in the central part of the state and is the State Capitol. The Office of Public Works maintains the City's sewer collection system through the use of the "Sewer Fund" which was established in 1956. The collection system consists of approximately 140 miles of combined sewer systems in the older parts of Springfield and approximately 355 miles of separate sanitary sewer systems in the newer parts of the City.

Based on the 2020 estimate of population obtained from the United States Census Bureau, the population of Springfield, Illinois is 114,394. The percentage change for the period between April 2010 and April 2020 is -1.6%.

The customer base for the Sewer Fund is mostly residential, approximately 96%. Springfield has few large manufacturing facilities. The majority of jobs are white collar related, with some of the main employers being state and local governments and the health care industry. Growth in the health care industry has been a recent local trend.

Springfield experiences somewhat steady general population growth consistent with the industry of government being a large employer. There are typically not large swings in population based on job losses or creation.

The average number of customers for Fiscal Year 2023 was 44,443 per month. The customer base has experienced an annual growth rate of approximately 0.23% over the previous 10 year period. There is not expected to be a substantial deviation from this historical growth rate. Applying this historical growth rate year over year results in an anticipated customer base of 46,532 in 20 years.

Map(s) of existing FPA boundaries and discussion of any necessary modifications. Note: FPA boundary modifications entail additional requirements, review and sign-offs.

See the FPA Appendix for the boundary map.

Detailed description of the EXISTING collection system and treatment facilities, along with a clear identification for the need of the proposed project(s).

The collection system maintained by the City of Springfield is widely varied. Infrastructure the City is responsible for dates from the mid 1800's to present day. Materials encountered include older brick, clay, and concrete sewers, along with modern day PVC materials. Many older sewers have been rehabilitated using various lining methods such as gunite or CIPP. The City does not operate any treatment facilities. The Sangamon County Water Reclamation District operates two treatment facilities which receive all flow from the City's collection system.

See the Project Appendix for detailed descriptions of each proposed project along with identification of the need for each proposed project.

Where applicable, information regarding an anti-degradation analysis pursuant to Ill. Adm. Code 35 Section 302.105 for a new or modified NPDES Permit.

As all proposed projects are aimed at either maintaining or improving water quality by eliminating or reducing the need or possibility for unpermitted discharges from the collection system, there is no proposed long term or permanent degradation to waters of the State of Illinois.

Discussion of existing and proposed NPDES Permit limits.

The City of Springfield does not have existing NPDES permit limits. The City operates the collection system to transport flows to the Sangamon County Water Reclamation District. The Sangamon County Water Reclamation District maintains two NPDES Permits, IL0021989 for the Spring Creek Treatment Plant and IL0021971 for the Sugar Creek Treatment Plant.

Detailed discussion of the chosen alternative's capability to maintain compliance with all applicable laws and regulations in addition to addressing the identified system need(s).

Each proposed project has been chosen based on the evaluated needs of the system. Projects are proposed to either maintain or improve the integrity of the system. All improvements will have the goal of either reducing the possibility of a structural failure or reducing inflow and infiltration into the system both of which could lead to an overflow in the system. As such, all proposed projects will help to improve compliance with laws and regulations concerning overflows.

See the Proposed Project Appendix for any additional details related to each specific project concerning compliance with applicable laws and regulations for each proposed project.

Basis of Design for Chosen Alternative. The preliminary engineering data should include, to the extent appropriate, flow diagrams, unit process descriptions, detention times, flow rates, unit capacities, etc. to demonstrate that the proposed project will be designed in accordance with 35 Ill. Adm Code 370.

This Facilities Plan does not detail the individual projects in the Proposed Project Appendix to a level as described in this section of the application. Few proposed projects have any preliminary engineering data sufficient to demonstrate compliance with 35 Ill. Adm Code 370. All projects will be designed to meet the requirements of 35 Ill. Adm Code 370.

Inventory of environmental impacts of chosen alternative and a discussion of the measures required during design and construction to mitigate or minimize negative environmental impacts. The discussion should address at a minimum; rare and endangered species, historic and cultural resources, prime agricultural land, air and water quality, recreational areas, wetlands, floodplains and other sensitive environmental areas. Note: The IEPA Loan Applicant Environmental Checklist must be signed by the loan applicant's authorized representative and submitted to the Agency with all applicable sign-offs before a final Planning approval can be issued.

All proposed projects are in developed urban areas. Many projects are replacements of existing systems. CIPP lining will be utilized on many projects which will help to minimize negative environmental impacts associated with traditional open cut excavations. Water quality associated with the construction site activities will likely be the major negative environmental impact.

On all projects, current standard best management practices will be utilized to minimize negative environmental impacts associated with the project.

During the design phase of each project, the impacted area will be analyzed for negative impacts to endangered species, historical and cultural resources, prime agricultural land, air and water quality, recreational areas, wetlands, floodplains and other sensitive areas.

See the Proposed Project Appendix for any additional details related to each specific project concerning environmental impacts for each proposed project.

Reproducible 8.5 x 11 inch map(s) showing the project(s) location(s) relative to the community.

See the Proposed Project Appendix for maps of the proposed projects.

Detailed cost estimate for the alternative selected, including both capital and O, M & R costs over the 20-year planning period. The estimate should include cost items for design engineering, construction engineering, bidding, legal, construction and contingency.

The City has currently identified approximately \$80 million in proposed projects to be completed over the next 10 year period. This Facilities Plan only details the first 5 years of those projects. The Anticipated Project Expenditures table outlines a loan to be obtained from the IEPA's Revolving Fund Program which will fund the proposed \$2.5 million in projects. This table shows the anticipated loan amount and project expenditures for this spending plan. The Proposed Project Costs tabulates anticipated construction costs for each of the individual projects and provides yearly totals.

With a planned 20 year repayment schedule, the payments for the last loans taken out will be repaid 30 years from the beginning of this plan. The tabulation does not account for probable project construction cost increases over the life of the program.

See the Proposed Project Costs for detailed cost estimates for each proposed project.

Implementation plan for the proposed project including the anticipated construction schedule, the financial schedule, including necessary financial arrangements for assuring adequate annual debt service and O,M & R coverage requirements and a description of the dedicated source of revenue necessary for loan repayment. List any other funding involved in the project.

See the Project Appendix for detailed implementation plans for each proposed project.

Detailed description of the existing residential rate structure, average water consumption or the basis for billing, current average monthly residential bill, any proposed rate changes and the proposed average monthly residential bill as a result of the project(s).

The rate structure for the majority of residents in the City of Springfield is divided into two parts. There is an “Inside City Sewer Fund” charge and an “Inside City Sanitary” charge. The City of Springfield collects all charges through the Office of Public Utilities and disperses the “Inside City Sewer Fund” fees to the City’s sewer fund operated by the Office of Public Works. The “Inside City Sanitary” charges are dispersed to the Sangamon County Water Reclamation District for their operations and treatment facility costs. The Office of Public Utilities retains a small percentage of the fees collected to cover billing and collection costs. The City of Springfield and the Sangamon County Water Reclamation District set rates independent of one another.

The City of Springfield has established a user charge system for use of the public sewer system. Details of this rate system are contained in Section 51.10 of the City’s Code of Ordinances.

§ 51.10. User charge system for use of public sewerage system.

A user charge system is established for the use and service of the waste water system of each lot, building or premises having any connection to the waste water system, or which may otherwise discharge sewage or industrial wastes into the public waste water system or any part thereof.

The monthly service charge shall recover operation and maintenance fixed costs, the office of public utilities billing costs, debt service costs and other costs the sewer system may incur. The service charge is based on the size of the user’s water meter, using the five-eighths-inch meter as the base, and prorating the larger meters on their rated maximum capacity in gallons per minute (gpm), except that the service charge for any meter greater than six inches will be equal to the service charge for a six-inch meter.

The monthly consumption charge, based on the quantity of water by the water meter or meters serving each lot, building or premises, shall recover the remaining operation and maintenance costs, equipment replacement costs, emergency sewer system repair costs, equipment replacement costs, emergency sewer system repair costs, sewer system rehabilitation and reconstruction costs and other costs that the sewer system may incur.

The accounting system established by the office of budget and management for all expenditures shall be in accordance with sewer revenue bond covenants.

The sewer user charge shall be billed by the office of public utilities on a monthly basis in accordance with the following formula:

$$UC = CC1 \times BU + CC2 \times SU + SC$$

Where:

UC = The monthly billed sewer user charge

CC1 = Consumption charge of \$0.76 per unit (1 unit = 100 cubic feet) applicable to customers in the city.

- CC2 = The consumption charge of \$1.62 per unit (1 unit = 100 cubic feet) applicable to customers in the city.*
- BU = Base unit is units 1 through 3 as measured by the meter, applicable to customers in the city.*
- SU = Secondary unit is units 4 and above as measured by the meter, applicable to customers in the city.*
- SC = The service charge applicable to customers in the city and based on meter size, in inches, as follows:*

<i>Meter Size (In Inches)</i>	<i>Service Charge</i>
<i>5/8</i>	<i>\$6.67</i>
<i>¾</i>	<i>\$10.00</i>
<i>1</i>	<i>\$16.66</i>
<i>1¼</i>	<i>\$26.67</i>
<i>1½</i>	<i>\$33.33</i>
<i>2</i>	<i>\$53.33</i>
<i>3</i>	<i>\$99.98</i>
<i>4</i>	<i>\$166.64</i>
<i>6</i>	<i>\$333.28</i>
<i>8</i>	<i>\$333.28</i>
<i>10</i>	<i>\$333.28</i>
<i>12</i>	<i>\$333.28</i>

This sewer user charge reflects only the city's portion of sewer user fees. Sewer system customers are also subject to charges levied independently by the Sangamon County Water Reclamation District.

Sewer service customers shall be notified annually in conjunction with a regular monthly bill, of the rate structure and that portion of the sewer user charge that is attributable to the cost of operation, maintenance and replacement.

The adequacy of the user charge system shall be reviewed annually by certified public accountants in their annual audit report of the sewer revenue fund, and the user charge shall be revised periodically to reflect changes in operation and maintenance, equipment replacement, emergency sewer system repairs and sewer system rehabilitation and reconstruction.

The Illinois Environmental Protection Agency, or its authorized representative, shall have access to any books, documents, papers and records of the City of Springfield which are applicable to the user charge system for the purpose of making audit, examination, excerpts and transcriptions thereof to insure compliance with the terms of the water pollution control revolving loan fund agreement.

The first three meter sizes (5/8", 3/4" and 1") make up approximately 96% of all bills. This 96% is considered the residential customer base.

For the 12 months following June 2022, the average consumption rate was 7.87 units (1 unit = 748 gallons). The average "Inside City Sewer Fund" amount paid by the residential customer base (96% of all bills) was \$14.61.

Typically the City presents sewer rates for residential customers based on an assumed average consumption rate of 10 units. The following table depicts the typical charges for residential customers using the rates in effect as of March 1, 2024.

Average Customer Basis	(meter charge + 10 units of water consumption)
Inside City Sewer Fund	$\$6.67 + ((\$0.76 \times 3) + (\$1.62 \times 7)) = \20.29
Inside City Sanitary	$\$7.24 + (\$4.11 \times 10) = \$48.34$
Total	$\$20.29 + \$48.34 = \$68.63$

Effective March 1, 2024 the rates specified in this section as CC1, CC2, and SC shall increase by 32%. Effective March 1, 2025, rates shall then increase an additional 32%. Effective March 1, 2026, and every March 1 thereafter, the CC1, CC2, and SC rates shall then increase by the change in annual Consumer Price Index (CPI) for the Water, Sewer, and Trash CPI-U (CUSR0000SEHG) rounded to the nearest tenth of one percent. The CPI factor to be applied shall not be less than zero. The "Inside City Sanitary" rates are scheduled to increase through 2029.

The following tables identify the current and projected rate structure assuming a CPI-U of 4.5% annually.

SEWER FUND RATE

Meter Charges

Base Rate	
5/8" Meter	\$6.67
3/4" Meter	\$10.00
1" Meter	\$16.66
1-1/4" Meter	\$26.67
1-1/2" Meter	\$33.33
2" Meter	\$53.33
3" Meter	\$99.98
4" Meter	\$166.64
6" Meter	\$333.28
8" Meter	\$333.28
10" Meter	\$333.28
12" Meter	\$333.28
First 3 Units	\$0.76
Over 3 Units	\$1.62

Table 1: Sewer Fund Rates

<u>Proposed Rates</u>		<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>FY 2032</u>	<u>FY 2033</u>	<u>FY 2034</u>	<u>FY 2035</u>	<u>FY 2036</u>
		<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
Rate Increase			32.0%	32.0%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Effective Date			March 1, 2024	March 1, 2025	March 1, 2026	March 1, 2027	March 1, 2028	March 1, 2029	March 1, 2030	March 1, 2031	March 1, 2032	March 1, 2033	March 1, 2034	March 1, 2035
Monthly Customer Charge														
5/8"	\$	5.05	\$ 6.67	\$ 8.81	\$ 9.21	\$ 9.63	\$ 10.07	\$ 10.53	\$ 11.01	\$ 11.51	\$ 12.03	\$ 12.58	\$ 13.15	\$ 13.75
3/4"		7.57	10.00	13.20	13.80	14.43	15.08	15.76	16.47	17.22	18.00	18.81	19.66	20.55
1"		12.62	16.66	22.00	22.99	24.03	25.12	26.26	27.45	28.69	29.99	31.34	32.76	34.24
1 1/4"		20.20	26.67	35.21	36.80	38.46	40.20	42.01	43.91	45.89	47.96	50.12	52.38	54.74
1 1/2"		25.25	33.33	44.00	45.98	48.05	50.22	52.48	54.85	57.32	59.90	62.60	65.42	68.37
2"		40.40	53.33	70.40	73.57	76.89	80.36	83.98	87.76	91.71	95.84	100.16	104.67	109.39
3"		75.74	99.98	131.98	137.92	144.13	150.62	157.40	164.49	171.90	179.64	187.73	196.18	205.01
4"		126.24	166.64	219.97	229.87	240.22	251.03	262.33	274.14	286.48	299.38	312.86	326.94	341.66
6"		252.48	333.28	439.93	459.73	480.42	502.04	524.64	548.25	572.93	598.72	625.67	653.83	683.26
8"		252.48	333.28	439.93	459.73	480.42	502.04	524.64	548.25	572.93	598.72	625.67	653.83	683.26
10"		252.48	333.28	439.93	459.73	480.42	502.04	524.64	548.25	572.93	598.72	625.67	653.83	683.26
12"		252.48	333.28	439.93	459.73	480.42	502.04	524.64	548.25	572.93	598.72	625.67	653.83	683.26
Volume (per Ccf)														
Block 1	1 to 3	\$ 0.57	\$ 0.76	\$ 1.01	\$ 1.06	\$ 1.11	\$ 1.16	\$ 1.22	\$ 1.28	\$ 1.34	\$ 1.41	\$ 1.48	\$ 1.55	\$ 1.62
Block 2	4 or more	1.22	1.62	2.14	2.24	2.35	2.46	2.58	2.70	2.83	2.96	3.10	3.24	3.39

Table 2: Projected Rates

Source: Sewer Financial Plan & Rate Recommendation, CMT 2023

ANTICIPATED PROJECT EXPENDITURES

<u>Capital Plan</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>FY 2032</u>	<u>FY 2033</u>	<u>FY 2034</u>	<u>FY 2035</u>	<u>FY 2036</u>
	<i>Current</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>
Projects													
Northeast Area Projects	\$ -	\$ 3,303,876	\$ 2,517,986	\$ 5,471,836	\$ 6,575,194	\$ 5,010,870	\$ 6,932,121	\$ 5,857,140	\$ 6,688,202	\$ 7,633,499	\$ 7,998,214	\$ 6,513,760	\$ 1,274,408
Repair and Maintenance	1,100,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000
Motor Vehicles	41,141	242,319	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000
Machinery	622,894	952,429	-	500,000	500,000	-	500,000	500,000	500,000	-	-	-	-
Scientific Instruments	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000
Equipment	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Software	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Lake Springfield Sewers	-	-	430,529	374,666	2,307,217	1,129,321	2,722,104	2,066,867	550,000	462,000	-	-	-
North Grand Pump Station			750,000										
Second St, Adams to Union		1,200,000											
Sixt Stret, Reynolds to Miller		313,000											
Fifth St. - Town Branch to Cook		560,000											
Other CIP Work	3,914,352	11,110,179	1,500,000	1,000,000	1,000,000	1,500,000	1,000,000	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000
Total (Current Year Dollars)	\$ 5,720,387	\$ 18,848,803	\$ 6,455,515	\$ 8,603,502	\$ 11,639,411	\$ 8,897,191	\$ 12,411,225	\$ 10,681,007	\$ 9,995,202	\$ 10,852,499	\$ 10,755,214	\$ 9,270,760	\$ 4,031,408
Total (Future Year Dollars)	5,720,387	19,315,151	6,695,311	8,893,891	12,275,015	9,516,181	13,474,458	11,789,888	10,877,411	11,833,564	11,703,391	10,330,093	5,205,231
Funding Sources													
IEPA Loan	\$ -	\$ 2,073,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Funded Capital	3,045,270	10,784,668	6,695,311	8,893,891	11,945,015	9,186,181	12,354,458	11,359,888	10,627,411	11,623,564	11,703,391	10,330,093	5,205,231
ARPA Grant	2,675,117	6,457,483	-	-	-	-	-	-	-	-	-	-	-
Lake Springfield Sewer Contributions	-	-	-	-	330,000	330,000	1,120,000	430,000	250,000	210,000	-	-	-
Total	\$ 5,720,387	\$ 19,315,151	\$ 6,695,311	\$ 8,893,891	\$ 12,275,015	\$ 9,516,181	\$ 13,474,458	\$ 11,789,888	\$ 10,877,411	\$ 11,833,564	\$ 11,703,391	\$ 10,330,093	\$ 5,205,231

Table 3: Projected Capital Plan

Source: Sewer Financial Plan & Rate Recommendation, CMT 2023

<u>Cashflow</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>FY 2032</u>	<u>FY 2033</u>	<u>FY 2034</u>	<u>FY 2035</u>	<u>FY 2036</u>
	<i>Budget</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>
Proposed Rate Increase		32.0%	32.0%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Revenue													
Rate Revenue	\$ 8,292,777	\$ 10,946,465	\$ 14,449,334	\$ 15,099,554	\$ 15,779,034	\$ 16,489,091	\$ 17,231,100	\$ 18,006,499	\$ 18,816,792	\$ 19,663,547	\$ 20,548,407	\$ 21,473,085	\$ 22,439,374
Misc. Revenue	11,353	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500
Total	\$ 8,304,130	\$ 10,951,965	\$ 14,454,834	\$ 15,105,054	\$ 15,784,534	\$ 16,494,591	\$ 17,236,600	\$ 18,011,999	\$ 18,822,292	\$ 19,669,047	\$ 20,553,907	\$ 21,478,585	\$ 22,444,874
Expenses													
O&M	\$ 4,404,567	\$ 4,598,061	\$ 4,791,700	\$ 4,994,578	\$ 5,207,192	\$ 5,430,071	\$ 5,663,773	\$ 5,908,892	\$ 6,166,058	\$ 6,435,936	\$ 6,719,235	\$ 7,016,705	\$ 7,329,143
Existing Debt Service	503,545	503,545	503,545	503,545	503,545	503,545	503,545	503,545	503,545	503,545	503,545	503,545	503,545
Proposed Debt Service	-	-	92,654	92,654	92,654	92,654	92,654	92,654	92,654	92,654	92,654	92,654	92,654
Rate Funded Capital	3,045,270	10,784,668	6,695,311	8,893,891	11,945,015	9,186,181	12,354,458	11,359,888	10,627,411	11,623,564	11,703,391	10,330,093	5,205,231
Total	\$ 7,953,382	\$ 15,886,274	\$ 12,083,210	\$ 14,484,669	\$ 17,748,406	\$ 15,212,450	\$ 18,614,430	\$ 17,864,979	\$ 17,389,668	\$ 18,655,699	\$ 19,018,826	\$ 17,942,997	\$ 13,130,573
Surplus / (Deficit)	\$ 350,747	\$ (4,934,309)	\$ 2,371,624	\$ 620,385	\$ (1,963,872)	\$ 1,282,140	\$ (1,377,830)	\$ 147,020	\$ 1,432,624	\$ 1,013,348	\$ 1,535,081	\$ 3,535,588	\$ 9,314,301
Operating Reserve													
Beginning Balance	\$ 5,410,196	\$ 5,760,943	\$ 826,635	\$ 3,198,259	\$ 3,818,644	\$ 1,854,772	\$ 3,136,912	\$ 1,759,082	\$ 1,906,102	\$ 3,338,726	\$ 4,352,074	\$ 5,887,155	\$ 9,422,743
Surplus / (Deficit)	350,747	(4,934,309)	2,371,624	620,385	(1,963,872)	1,282,140	(1,377,830)	147,020	1,432,624	1,013,348	1,535,081	3,535,588	9,314,301
Ending Balance	\$ 5,760,943	\$ 826,635	\$ 3,198,259	\$ 3,818,644	\$ 1,854,772	\$ 3,136,912	\$ 1,759,082	\$ 1,906,102	\$ 3,338,726	\$ 4,352,074	\$ 5,887,155	\$ 9,422,743	\$ 18,737,045
<i>Target</i>	<i>1,227,028</i>	<i>1,275,401</i>	<i>1,346,975</i>	<i>1,397,694</i>	<i>1,450,848</i>	<i>1,506,567</i>	<i>1,564,993</i>	<i>1,626,273</i>	<i>1,690,564</i>	<i>1,758,034</i>	<i>1,828,859</i>	<i>1,903,226</i>	<i>1,981,335</i>

Table 4: Projected Sewer Utility Cashflow

Source: Sewer Financial Plan & Rate Recommendation, CMT 2023

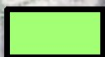
FACILITIES PLANNING AREA MAP

Facilities Planning Area



10,000

0 Feet



- City Limits

PROPOSED PROJECT COSTS

2024 SEWER DIVISION CIP

FY	WorkOrderId	Description	Project	Location	Total Cost	Ward
24	19002	Sewer Main - Rehabilitate	Northeast Area Sewer Rehabilitation	8 inch sanitary sewer north of Ridgely to Eastview and East of 23rd to the former railroad row.	\$ 418,000.00	4
24	19266	Sewer Main - Rehabilitate	Northeast Area Sewer Rehabilitation	8 inch RCP sanitary sewer between Sherborn and Selkirk from Henley to Faringdon	\$ 143,000.00	4
24	19345	Sewer Main - Rehabilitate	Northeast Area Sewer Rehabilitation	REAR YARD EASEMENT ALONG OLD RR BED WEST OF HENLEY ROAD	\$ 100,000.00	4
24	19421	Sewer Main - Rehabilitate	Northeast Area Sewer Rehabilitation	Various sewer mainlines to be grouted in the Northeast Area.	\$ 400,000.00	4
24	19654	Sewer Main - Rehabilitate	Forest Park Hills Sewer	Forest Park Hills Subdivision	\$ 190,000.00	1
24	19666	Sewer Main - Rehabilitate	Brentwood and Briarcliff Subdivision Sewer	Brentwood and Briarcliff Subdivisions	\$ 545,000.00	7
24	19675	Sewer Main - Rehabilitate	Fourth, Fifth, Sixth and Seventh Street Sewer Rehabilitation CBD17	Fourth - north of Washington to MadisonFifth - North of MasonSixth - Washington to MasonSeventh - south of Jefferson	\$ 650,000.00	5
24	19696	Sewer Main - Rehabilitate	Eleventh Street Sewer Rehabilitation CBD20	11th Street - Adams to JacksonCapitol - 11th to 12th11th - Cook to Edwards	\$ 590,000.00	2
24	60394	Sewer Main - Rehabilitate	Walnut - Lawrence to Canedy - CIPP Lining & T-Liner for Connections	Walnut - Lawrence to Canedy - CIPP Lining & T-Liner for Connections	\$ 112,000.00	5/6
24	65071	Sewer Main - Rehabilitate	Converse to Watch - 19th to Ohio - CIPP Lining & T-Liner for Connections	Converse to Watch - 19th to Ohio - CIPP Lining & T-Liner for Connections	\$ 203,000.00	4/3
24	70193	Sewer Main - Rehabilitate	Between Giffiths and Somerton - Sudbury to Henley	Northgate Subdivision	\$ 175,000.00	4
24	70194	Sewer Main - Rehabilitate	Faringdon - Somerton to Sherborn	Northgate Subdivision	\$ 200,000.00	4
24	70195	Sewer Main - Rehabilitate	23rd & 24th Street - Eastview to South	Eastview Subdivision	\$ 225,000.00	4
24	70200	Sewer Main - Rehabilitate	Stokebridge - Sewers North and South Camden to Albany	Northgate Subdivision	\$ 675,000.00	3/4
24	19784	Sewer Main - Rehabilitate	Second Street Sewer Rehabilitation CBD23	Second Street - Adams to Union	\$ 1,200,000.00	5
24	19797	Sewer Main - Rehabilitate	Sixth Street Sewer Rehabilitation CBD23	Sixth Street - Reynolds to Miller	\$ 313,000.00	5
24	19695	Sewer Main - Rehabilitate	Fifth Street Sewer Rehabilitation CBD14	Fifth - Town Branch to Cook	\$ 560,000.00	2
24		Sewer Main - Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Within Ridgely Park, Area 1 (Investigation/Design/Bid/Construction)	\$ 1,651,592.00	4/3
25		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Within Ridgely Park, Area 1 (Construction/Performance Assessment) & Ridgely Park, Area 1 (Remainder)	\$ 3,303,876.00	3/4
26		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Within Ridgely Park, Area 1 (Performance Assessment) & Ridgely Park, Area 1 (Remainder) (Investigation/Design/Bid/Construction) & Ridgely Park, Area 2 (Investigation)	\$ 3,160,986.00	3/4
27		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Ridgely Park, Area 1 (Remainder) (Construction/Performance Assessment) & Ridgely Park, Area 2 (Construction/Design/Bid/Performance Assessment) & Grandview, Area 1 (Investigation)	\$ 5,471,836.00	3/4
28		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Ridgely Park, Area 1 (Remainder) (Performance Assessment) & Ridgely Park, Area 2 (Construction/Performance Assessment) & Grandview, Area 1 (Investigation)	\$ 6,778,194.00	3/4
29		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Grandview, Area 1 (Investigation/Design/Bid) & Northeast, Area 2 (Investigation)	\$ 5,010,870.00	3/4
30		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Grandview, Area 1 (Design/Bid/Construction) & Northeast, Area 2 (Investigation)	\$ 8,100,121.00	3/4
31		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Grandview, Area 1 (Construction) & Northeast, Area 2 (Design/Bid)	\$ 6,382,140.00	3/4
32		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Grandview, Area 1 (Construction) & Northeast, Area 2 (Design/Bid/Construction)	\$ 6,688,202.00	3/4
33		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Grandview, Area 1 (Performance Assessment) & Northeast, Area 2 (Construction) & Peoria Road (Investigation)	\$ 7,633,499.00	3/4
34		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Northeast, Area 2 (Construction) & Peoria Road (Investigation/Design/Bid/Construction)	\$ 7,998,214.00	3/4
35		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Northeast, Area 2 (Construction/Performance Assessment) & Peoria Road (Construction)	\$ 6,513,760.00	3/4
36		Sewer Main Rehabilitate	Northeast Area Sanitary Sewer Alternatives Analysis	Peoria Road (Construction/Performance Assessment)	\$ 1,274,408.00	4
	19653	Sewer Main - Replacement	Adams, Monroe and Pasfield Sewer CBD4	Adams and Monroe- Lewis to PasfieldWest of Pasfield - Monroe to Washington	\$ 500,000.00	5
	19676	Sewer Main - Replacement	Mason Street Sewer Replacement CBD18	Mason - Rutledge to First	\$ 350,000.00	5
	17695	Sewer Main - Remove	Town Branch Sewer Abandonment CBD7	4th under Madison StreetKlein Street north of Carpenter StreetMonroe Street at 2ndJackson Street at 3rd	\$ 100,000.00	5
	19651	Sewer Main - Replacement	Eighth and Madison Sewer CBD7	Eighth and Madison Streets	\$ 60,000.00	5
	19751	Sewer Main - Remove	Sixth Street Sewer Abandonment CBD15	Sixth Street - Mason to Reynolds	\$ 70,000.00	5
	19655	Sewer Main - Rehabilitate	Timberlane Subdivision Sewer	Timberlane Subdivision	\$ 620,000.00	1
	19714	Sewer Main - Remove	Eleventh Street Sewer Abandonment CBD20	Edwards to Jackson - 11th to 12thNorth side Adams - 11th to 12th	\$ 250,000.00	2
	19669	Sewer Main - Replacement	Glen Aire Sewer	Glen Aire Drive and Adlai Stevenson Drive	\$ 85,000.00	3
	19664	Sewer Main - Rehabilitate	Sherwood Subdivision Sewer	Sherwood Subdivision	\$ 585,000.00	7
	73768	Sewer Main - Rehabilitate	Indian Hills Plat 1 & 2	Indian Hills Plat 1 & 2	\$ 500,000.00	4
	4306	Sewer Main - Replacement	2015-12 Edwards Street and Pasfield Street Sewer Replacement CBD8	Edwards Street (Walnut Street to College Street) and Pasfield Street (Cook Street to Capitol Avenue)	\$ 1,325,000.00	5/6
	19657	Sewer Main - Replacement	Calhoun - Third to Rutledge	Calhoun - Third to Rutledge	\$ 535,000.00	5
	19658	Sewer Main - Replacement	Grant's Ridge Subdivision Sewer	Grant's Ridge Subdivision Plat 1	\$ 230,000.00	9
	19663	Sewer Main - Replacement	State Street Sewer Replacement OK3	State Street - Laurel to South GrandSouth Grand - State to GlenwoodConkling - MacArthur to StateCampbell - MacArthur to State	\$ 3,850,000.00	7/6
	19674	Sewer Main - Replacement	Third Street Sewer	Third Street - North Grand to Calhoun	\$ 520,000.00	5
	19677	Sewer Main - Replacement	Fayette, Glenwood, State and Canedy	Fayette, Glenwood, State and Canedy	\$ 355,000.00	6
	19678	Sewer Main - Replacement	Williams Street Sewer Replacement OK1	Williams - Henrietta to Scarritt and Spring	\$ 1,700,000.00	5
	19697	Sewer Main - Replacement	Eleventh Street Sewer Replacement CBD20	Jackson - 11th to 12th11th - Jackson to Edwards	\$ 300,000.00	5
	19743	Sewer Main - Replacement	Cook Street Sewer Replacement CBD12	Cook Street - New To College	\$ 480,000.00	5
	19744	Sewer Main - Replacement	Lawrence Street Sewer Replacement CBD12	Lawrence - Walnut to Henrietta	\$ 235,000.00	5
	19752	Sewer Main - Replacement	Fourth Street Sewer Replacement CBD15	Fourth - north of Mason	\$ 190,000.00	5
	19754	Sewer Main - Replacement	Fifth Street Sewer Replacement CBD15	Fifth - South of Carpenter	\$ 207,000.00	5
	19757	Sewer Main - Replacement	Sixth Street Sewer Replacement CBD15	Sixth - Mason to Reynolds	\$ 198,000.00	5
	19781	Sewer Main - Replacement	Parker Street Sewer Replacement CBD21	Private Property east of Parker - Washington to Jefferson	\$ 265,000.00	5
	19834	Sewer Main - Replacement	Carpenter Street Sewer Replacement CBD10	Carpenter - Taylor to KleinCarpenter - First to eastCarpenter - Second to Third	\$ 1,200,000.00	5
	19885	Sewer Main - Replacement	Jackson Street Sewer Replacement CBD18	Jackson - Third to Fourth	\$ 115,000.00	2
	19911	Sewer Main - Replacement	Glenwood Street Sewer Replacement OK2	Glenwood from Woodland to South Grand	\$ 585,000.00	6
	19912	Sewer Main - Replacement	South Grand & Holmes Sewer Replacement OK4	South Grand From Glenwood to HenriettaHolmes from South Grand to Cedar	\$ 1,250,000.00	5/6
	19913	Sewer Main - Replacement	Allen Street Sewer Replacement OK2	Allen from Walnut to Third	\$ 1,700,000.00	5
	19919	Sewer Main - Replacement	Pasfield, College and Spring Street Sewer Replacement OK5	Pasfield from Allen to South GrandCollege from Allen to South GrandSpring from Allen to Cedar	\$ 880,000.00	5
	19925	Sewer Main - Replacement	First and Second Street Sewer Replacement OK5	Second from South Grand to Cedar - First from Pine to Cedar	\$ 575,000.00	6
	19668	Sewer Main - Remove	Henrietta Street Sewer Abandonment OK2	Henrietta - Allen to Williams	\$ 210,000.00	5
	19772	Sewer Main - Remove	Washington Street Sewer Abandonment CBD16	Washington - Eighth to Tenth	\$ 75,000.00	5
	19908	Sewer Main - Remove	Woodland Street Sewer Abandonment OK2	Washington Park to Walnut - Glenwood from Woodland to South Grand	\$ 200,000.00	6
	22203	Sewer Main - Remove	Capital Sewer Projects	in side house		5

2024 SEWER DIVISION CIP

	26434	Sewer Main - Remove	Sewer Facilities Plan	North side of railroad tracks on the west side of the 9th street underpass		5
	4304	Sewer Main - Rehabilitate	Carpenter Street Sewer Rehabilitation CBD10	Carpenter Street from Walnut Street to Third Street	\$ 65,000.00	5
	4305	Sewer Main - Rehabilitate	2014-02 Lightfoot Lane	Lightfoot Lane (SCWRD)	\$ 185,000.00	9
	19588	Sewer Main - Rehabilitate	2015-11 Spring Street Sewer CBD9	Spring Street from Lawrence Avenue to the Town Branch (north of Adams Street)	\$ 950,000.00	5
	19659	Sewer Main - Rehabilitate	Westchester Subdivision Sewer	Westchester Subdivision	\$ 980,000.00	10
	19665	Sewer Main - Rehabilitate	Colony West Subdivision Sewer	Colony West Subdivision	\$ 395,000.00	7
	19667	Sewer Main - Rehabilitate	Washington Park Brick Sewer Rehabilitation OK	Washington Park	\$ 1,075,000.00	7
	19746	Sewer Main - Rehabilitate	First Street Sewer Rehabilitation CBD22	First Street - Carpenter to Miller and Jefferson to Mason	\$ 525,000.00	5
	19749	Sewer Main - Rehabilitate	Walnut Street Sewer Rehabilitation CBD21	Walnut - Reynolds to Carpenter	\$ 210,000.00	5
	19761	Sewer Main - Rehabilitate	Washington Street Sewer Rehabilitation CBD16	Washington - Third to Fifth and Sixth to Eighth	\$ 605,000.00	5
	19763	Sewer Main - Rehabilitate	Adams Street Sewer Rehabilitation CBD16	Adams - Seventh to Ninth and Ninth to Eleventh	\$ 900,000.00	5
	19773	Sewer Main - Rehabilitate	Mason Street Sewer Rehabilitation CBD21	Mason - Walnut to Rutledge	\$ 155,000.00	5
	19774	Sewer Main - Rehabilitate	Walnut Street Sewer Rehabilitation CBD21	Walnut - South of Jefferson to Ace Hardware	\$ 210,000.00	5
	19775	Sewer Main - Rehabilitate	Jefferson Street Sewer Rehabilitation CBD21	Jefferson - Parker to Jefferson West Buildings	\$ 90,000.00	5
	19780	Sewer Main - Rehabilitate	Walnut Court Sewer Rehabilitation CBD21	Walnut Court	\$ 27,000.00	5
	19785	Sewer Main - Rehabilitate	Fourth Street Sewer Rehabilitation CBD23	Fourth Street - south of Carpenter to Union	\$ 300,000.00	5
	19796	Sewer Main - Rehabilitate	Fifth Street Sewer Rehabilitation CBD23	Fifth - Carpenter to Miller	\$ 207,000.00	5
	19799	Sewer Main - Rehabilitate	Seventh Street Sewer Rehabilitation CBD23	Seventh - Carpenter to Miller	\$ 182,500.00	5
	19800	Sewer Main - Rehabilitate	Carpenter Street Sewer Rehabilitation CBD25	Carpenter - Eighth to Tenth	\$ 47,500.00	5
	19801	Sewer Main - Rehabilitate	Miller Street Sewer Rehabilitation CBD25	Miller - Eleventh to Twelfth	\$ 102,000.00	2
	19802	Sewer Main - Rehabilitate	Reynolds Street Sewer Rehabilitation CBD25	Reynolds: Ninth to Thirteenth	\$ 720,000.00	5/2
	19808	Sewer Main - Rehabilitate	Mason Street Sewer Rehabilitation CBD25	Mason - Ninth to Eleventh	\$ 350,000.00	5
	19810	Sewer Main - Rehabilitate	Monroe Street Sewer Rehabilitation CBD24	Monroe - College to Pasfield	\$ 137,500.00	5
	19813	Sewer Main - Rehabilitate	Capitol Street Sewer Rehabilitation CBD24	Capitol - Walnut to Lewis	\$ 87,000.00	5
	19814	Sewer Main - Rehabilitate	New Street Sewer Rehabilitation CBD24	New - Edwards to Capitol	\$ 38,000.00	5
	19822	Sewer Main - Rehabilitate	Jackson Parkway Sewer Rehabilitation CBD24	Jackson Parkway	\$ 20,000.00	5
	19823	Sewer Main - Rehabilitate	Edwards Street Sewer Rehabilitation CBD24	Edwards - College to Spring	\$ 47,000.00	5
	19825	Sewer Main - Rehabilitate	Cook Street Sewer Rehabilitation CBD24	Cook - College to First	\$ 52,000.00	5
	19826	Sewer Main - Rehabilitate	Lawrence Street Sewer Rehabilitation CBD24	Lawrence - Henrietta to Pasfield	\$ 78,000.00	5
	26436	Sewer Main - Rehabilitate	Sewer Facilities Plan	Cuts diagonal across Rosehill to Feldkamp north of Edwards.		8
					\$ 105,707,198.00	

		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	
Item #	Brief Project Description	March 2024 - February 2025	March 2025 - February 2026	March 2026 - February 2027	March 2027 - February 2028	March 2028 - February 2029	March 2029 - February 2030	March 2030 - February 2031	March 2031 - February 2032	March 2032 - February 2033	March 2033 - February 2034	March 2034 - February 2035	March 2035 - July 2035	TOTALS
1	Within Ridgely Park, Area 1 (Remainder)	\$3,303,876												
	Other CIP Work	\$1,500,000												
2	Ridgely Park: Area 1 (Design, Bid, Const) and Area 2 (Investigation)		\$2,517,986											
	Other CIP Work		\$1,500,000											
3	Ridgely Park: Area 1 (Perform), Area 2 (Const/Design/Bid/Perform) and Grandview Area 1 (Investigation)			\$5,471,836										
	Other CIP Work			\$1,000,000										
4	Ridgely Park: Area 1 (Perform), Area 2 (Const/Design/Bid/Perform) and Grandview Area 1 (Investigation)				\$6,575,194									
	Other CIP Work				\$1,000,000									
5	Grandview, Area 1 (Invest/Design/Bid) & Northeast Area 2 (Investigate)					\$5,010,870								
	Other CIP Work					\$1,500,000								
6	Grandview, Area 1 (Design/Bid/Const.) & Northeast Area 2 (Investigate)						\$6,932,121							
	Other CIP Work						\$1,000,000							
7	Grandview, Area 1 (Const) & Northeast Area 2 (Design/Bid)							\$5,857,140						
	Other CIP Work							\$1,000,000						
8	Grandview, Area 1 (Const) & Northeast Area 2 (Design/Bid/Const)								\$6,688,202					
	Other CIP Work								\$1,000,000					
9	Grandview, Area 1 (Perfm) & Northeast Area 2 (Const) & Peoria Rd (Investg)									\$7,633,499				
	Other CIP Work									\$1,500,000				
10	Northeast Area 2 (Const) & Peoria Road (Design/Bid/Const)										\$7,998,214			
	Other CIP Work										\$1,500,000			
11	Northeast Area 2 (Const/Perform.) & Peoria Road (Const)											\$6,513,760		
	Other CIP Work											\$1,500,000		
12	Peoria Road (Const/Perform)												\$1,274,408	
	Other CIP Work												\$1,500,000	
	TOTAL	\$4,803,876	\$4,017,986	\$6,471,836	\$7,575,194	\$6,510,870	\$7,932,121	\$6,857,140	\$7,688,202	\$9,133,499	\$9,498,214	\$8,013,760	\$2,774,408	\$81,277,106

Note: Each Fiscal Year has a 3% inflation factor applied to project costs. FY 2024 funded.

Note: for years with CIP = \$1.0 M, City is purchasing a new vector truck

LAKE SPRINGFIELD AREA SEWERS
ESTIMATE OF CONSTRUCTION COST & DESIGN PHASING

	PROJECT AREA (IN PRIORITY ORDER)	TOTAL # HOOKUPS	EST PH 1 CONS COST (FROM STUDY)	EST PH 2 CONS COST (~\$20K/HOOKUP)	TOTAL PH1 & PH2 CONS COST
1)	Girl Scout Camp Area				
	West Hoechester	10	\$177,000	\$200,000	\$377,000
	Weinold Lane	19	\$99,850	\$380,000	\$479,850
	North Lake Road	1	\$59,340	\$20,000	\$79,340
	Westwood Lane	3	\$55,200	\$60,000	\$115,200
	SUBTOTAL	33			\$1,051,390
2)	Lake Pointe Area				
	North Cotton Hill Lane	14	\$132,940	\$280,000	\$412,940
	Island View Lane	10	\$129,925	\$200,000	\$329,925
	Bay Ridge Lane	9	\$77,740	\$180,000	\$257,740
	SUBTOTAL	33			\$1,000,605
3)	Cotton Hill Area				
	Cotton Hill Area - E. Lake Shore Drive	23	\$871,755	\$460,000	\$1,331,755
	The Elms	10	\$32,560	\$200,000	\$232,560
	Sycamore Lane	4	\$47,715	\$80,000	\$127,715
	Orchard Lane	15	\$96,060	\$300,000	\$396,060
	Forest Ridge	28	\$208,390	\$560,000	\$768,390
	Canterbury Drive	9	\$47,380	\$180,000	\$227,380
	Chelsea Drive	4	\$26,550	\$80,000	\$106,550
	Olde Carriage Way	13	\$87,860	\$260,000	\$347,860
	Downing Lane	6	\$19,200	\$120,000	\$139,200
	SUBTOTAL	112			\$3,677,470
4)	Lincoln Memorial Gardens Area				
	Lincoln Memorial Gardens Area - E. Lake Shore Drive	1	\$164,700	\$20,000	\$184,700
	Pickering Lane	11	\$55,210	\$220,000	\$275,210
	East Shore Lane (includes Villa Maria)	7	\$46,925	\$140,000	\$186,925
	Marquette Road	13	\$49,220	\$260,000	\$309,220
	Vivian Lane	11	\$50,600	\$220,000	\$270,600
	SUBTOTAL	43			\$1,226,655
5)	Lake Park Area				
	Lake Park Area - E. Lake Shore Drive	11	\$119,580	\$220,000	\$339,580
	Beachview Lane	10	\$74,730	\$200,000	\$274,730
	South Hazel Dell Lane	4	\$40,330	\$80,000	\$120,330
	SUBTOTAL	25			\$734,640
6)	Iron Bridge Area				
	Iron Bridge Road	4	\$179,500	\$80,000	\$259,500
	Lick Creek Road	3	\$79,580	\$60,000	\$139,580
	Shasta Lane	4	\$62,100	\$80,000	\$142,100
	SUBTOTAL	11			\$541,180
7)	Old Indian Trail	4	\$154,790	\$80,000	\$234,790
8)	Woodland Trail	5	\$434,470	\$100,000	\$534,470
9)	Gilreath Road	1	\$108,530	\$20,000	\$128,530

SUBTOTAL CONSTRUCTION COST \$9,129,730
10% CONTINGENCY \$912,973

ENGINEERS ESTIMATE OF TOTAL CONSTRUCTION COST (PH1 & PH 2) \$10,042,703

Note 1) In many cases the individual lanes under the project areas build on one another; design/construction of one needs to be completed before the next lane can begin.

2) Total construction cost does not include cost for engineering, permitting, city/SCWRD admin fees, etc.

PROPOSED PROJECT APPENDIX

Various Areas Sewer Rehabilitation

Locations

See below diagrams

Purpose

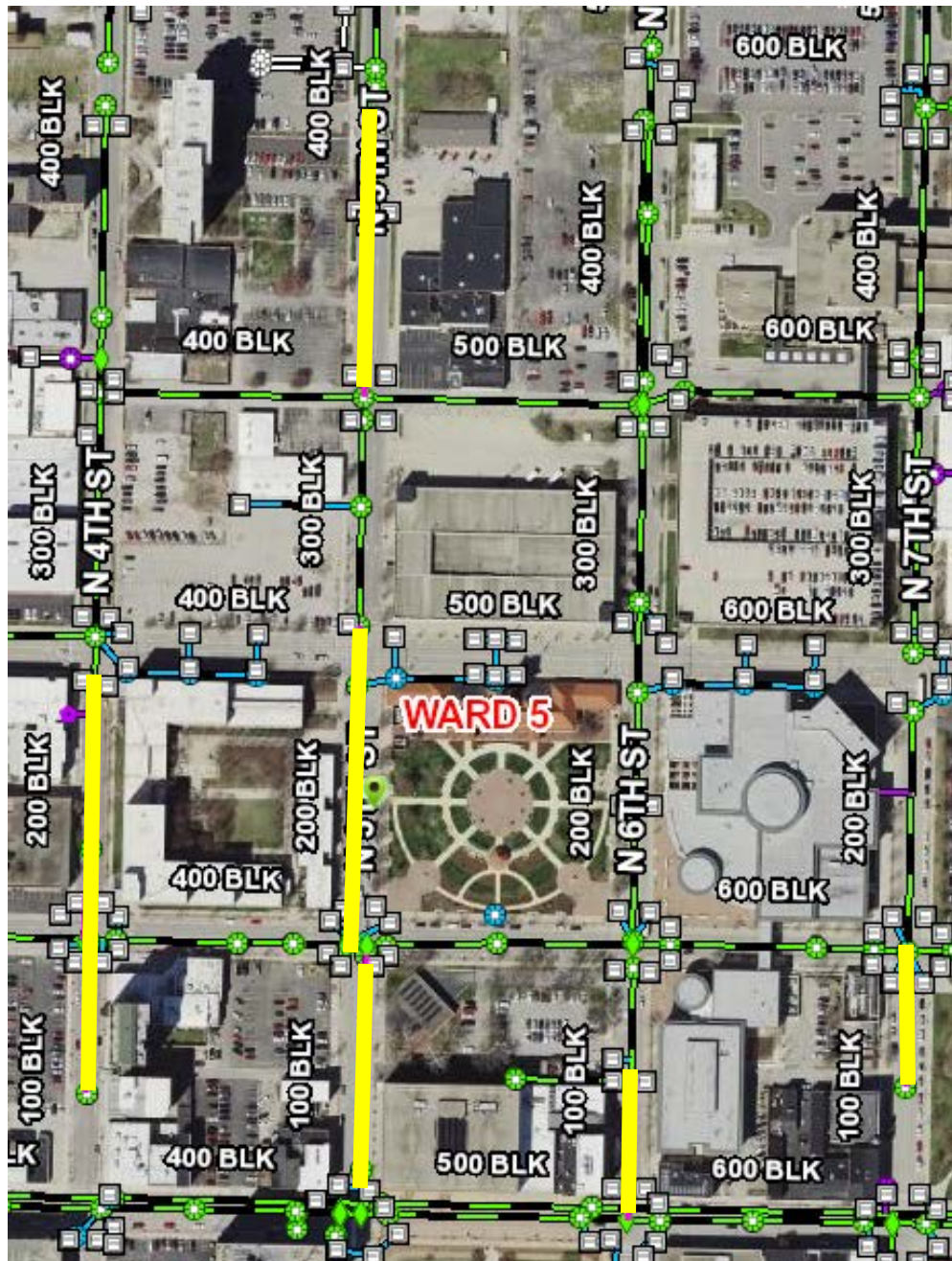
Rehabilitate a total of approximately 43,807 linear feet of 8, 12, 15, 18, 24 and 30-in sanitary sewers. These projects are necessary to improve aging infrastructure and help eliminate infiltration.

Benefit

The project will improve the structural stability of the existing combined sewer mains by rehabilitating the pipes with trenchless technology, cured-in-place pipe (CIPP) lining.

Project Details

Estimated Design Start Date	FY 2024
Estimated Construction Start Date	FY 2025
Estimated Construction Completion Date	FY 2026



Work Order: 19675

Project Name: Fourth, Fifth, Sixth and Seventh Street Sewer Rehabilitation CBD17

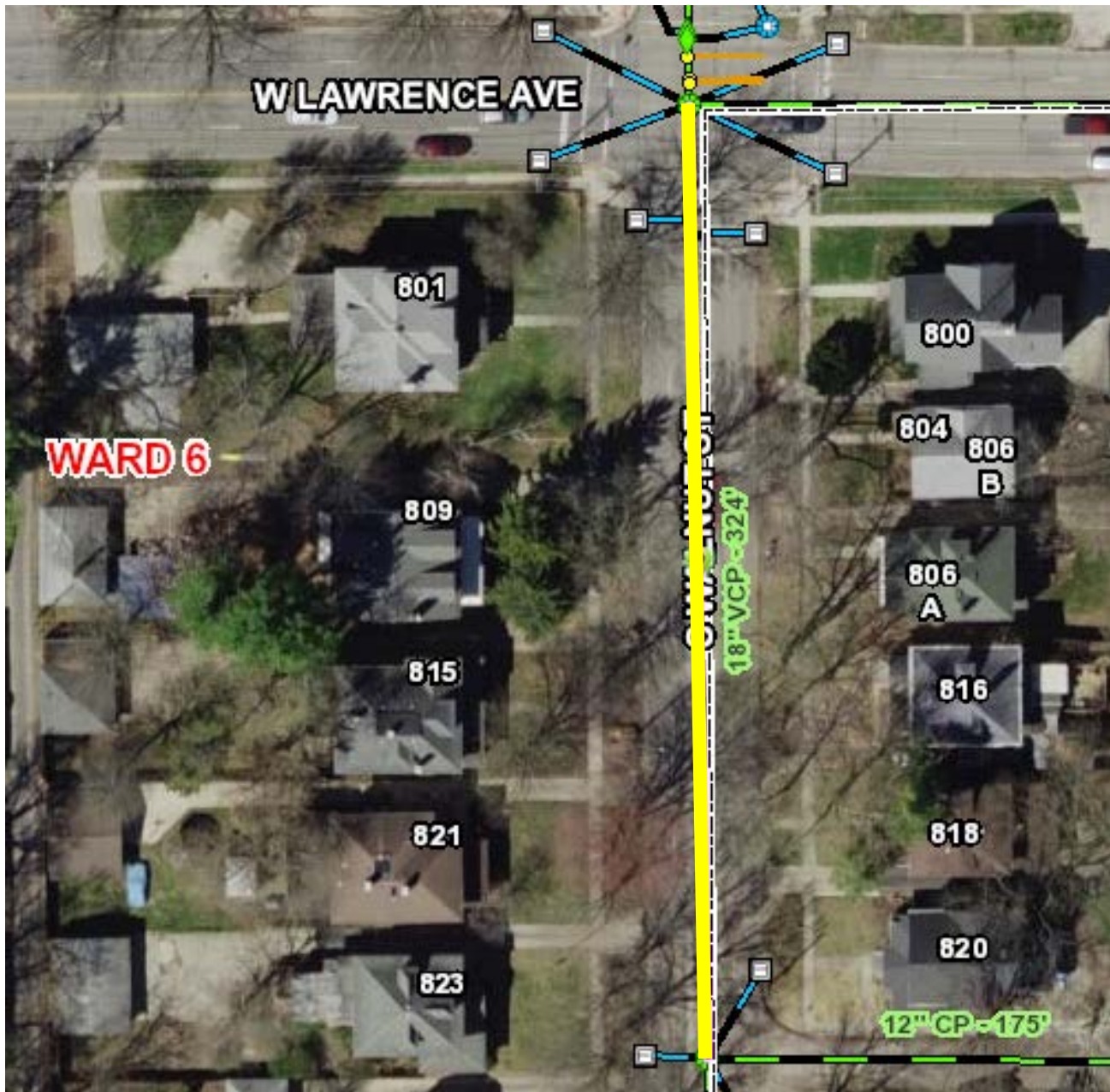
Location: Fourth - North of Washington to Madison, Fifth - North of Mason, Fifth - Washington to Mason, Sixth - Washington to Jefferson, Seventh - south of Jefferson



Work Order: 19696

Project Name: Eleventh Street Sewer Rehabilitation CBD20

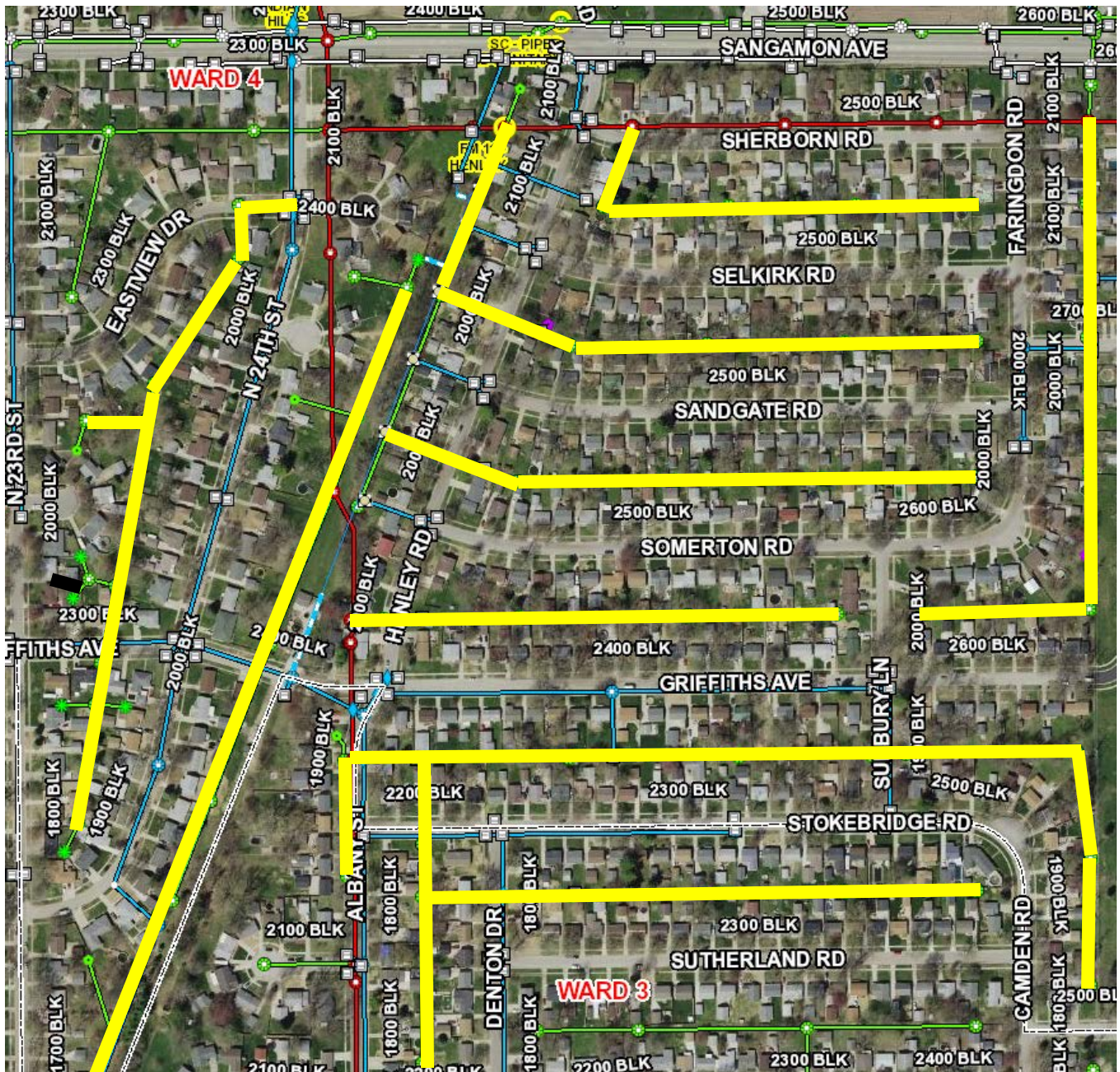
Location: 11th Street - Adams to Jackson, Capitol - 11th to 12th, 11th - Cook to Edwards



Work Order: 60394

Project Name: Walnut - Lawrence to Chenery - CIPP Lining

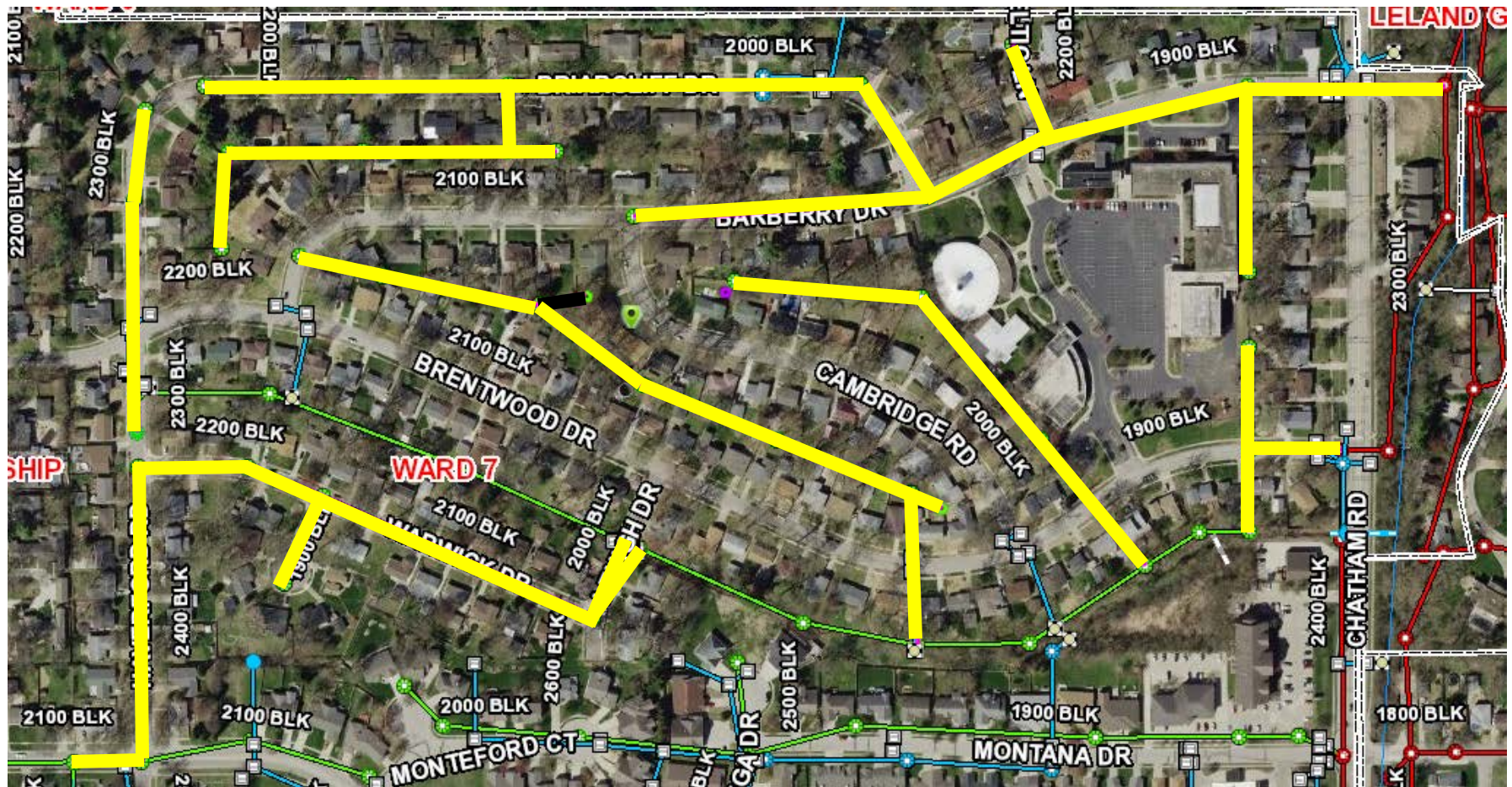
Location: Walnut from Chenery to Lawrence



Work Orders: 70195, 70194, 19345, 19002, 70200, 70193, 19266, 19421

Project Name: Northeast Area Sewer Rehabilitation

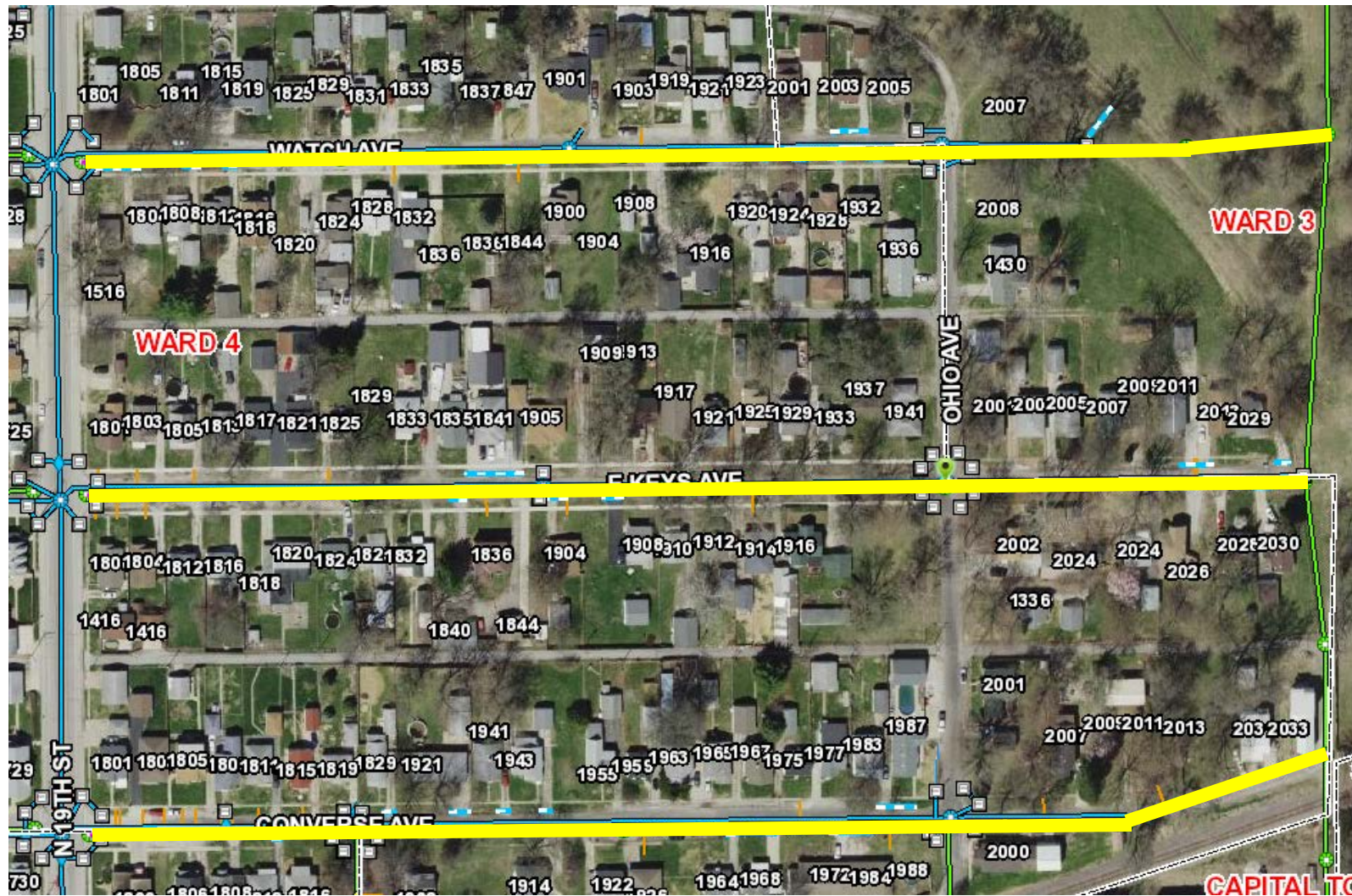
Location: Northgate & East View Subdivisions



Work Order: 19666

Project Name: Brentwood and Briarcliff Subdivision Sewer

Location: Brentwood and Briarcliff Subdivisions



Work Order: 65071

Project Name: Converse to Watch - 19th to Ohio - CIPP Lining

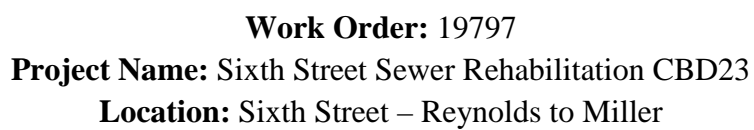
Location: Converse to Watch - 19th to Ohio

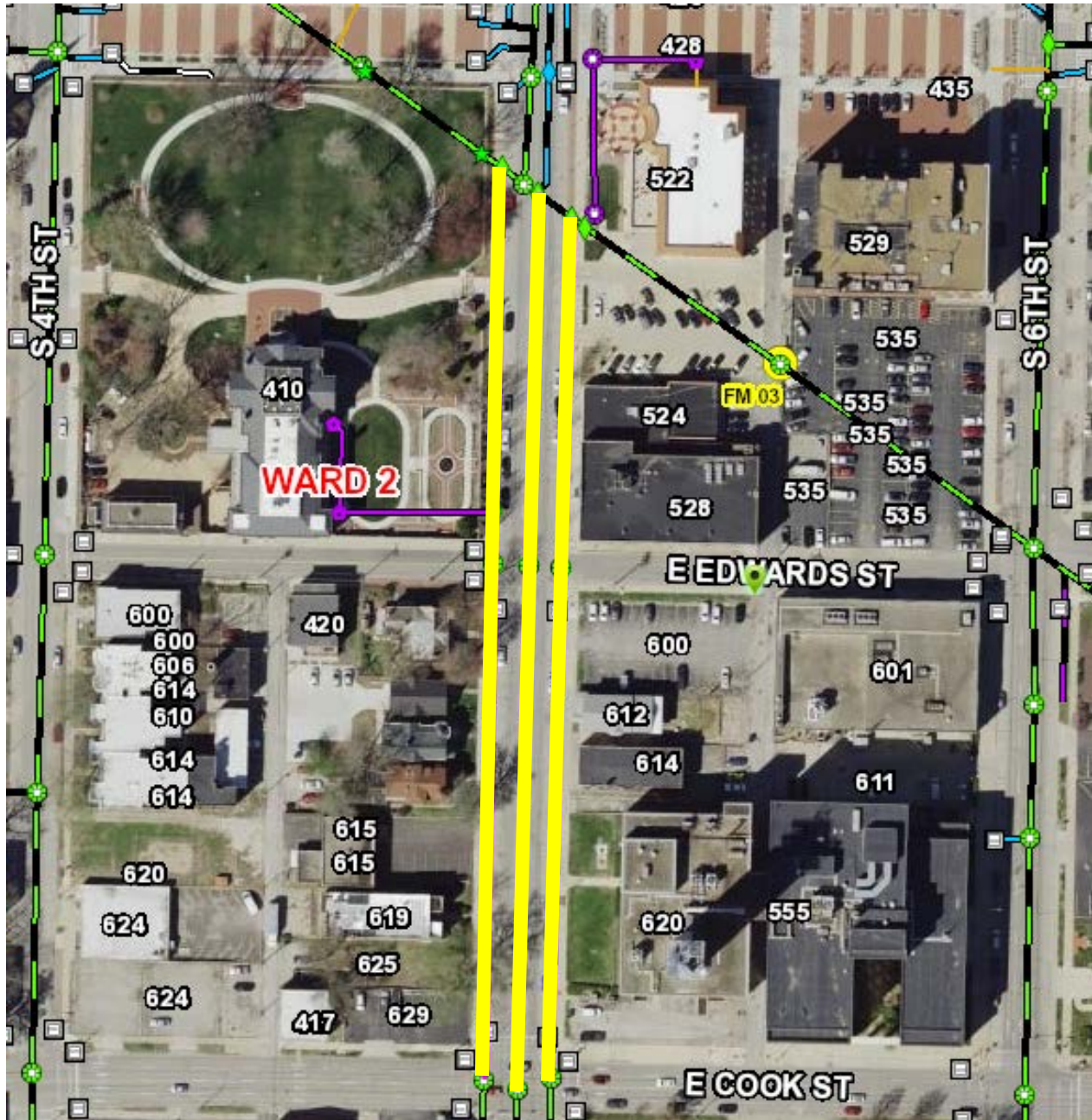


Work Order: 19784

Project Name: Second Street Sewer Rehabilitation CBD23

Location: Second Street – Adams to Union





Work Order: 19695

Project Name: Fifth Street Sewer Rehabilitation CBD14

Location: Fifth Street – Cook Street to Town Branch

Stokebridge Road Sewer Replacement

Location

Rear easement between Griffiths Ave and Stokebridge Rd
Albany St to Sudbury Ln

Purpose

Replace three 8-in concrete sewer constructed in the 1960s. These three segments contain sags over 50% of the linear length of the pipe holding water at 100%

Benefit

This project will replace the affected sewers and allow for unrestricted free flow.

Project Details

Estimated Design Start Date	FY 2025
Estimated Construction Start Date	FY 2025
Estimated Construction Completion Date	FY 2025

Special Considerations

Portions of this project are located on private property and will be completed with local funds.



Mossman Avenue Sewer Replacement

Location

Mossman Ave – N. Park Ave to N. Lincoln Ave.

Purpose

Replace an 8-in non-reinforced concrete dead-end sewer that is rapidly deteriorating.

Benefit

This project will replace a severely deteriorated sewer located within the right of way.

Project Details

Estimated Design Start Date	FY 2025
Estimated Construction Start Date	FY 2025
Estimated Construction Completion Date	FY 2025



South 15th Street Sewer Replacement

Location

S. 15th Street – Melrose St. to Germania Ave.

Purpose

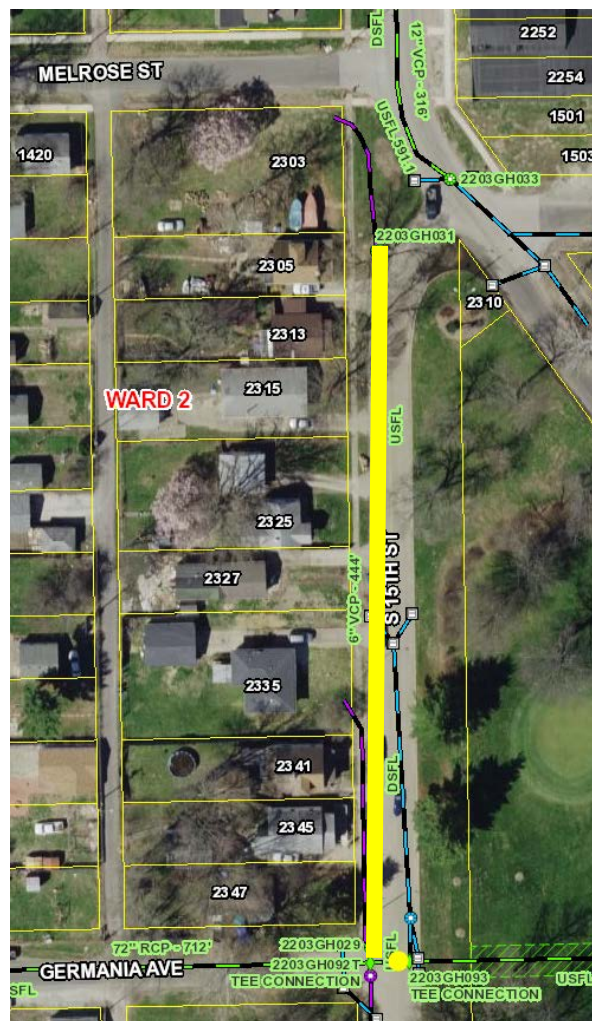
Replace a 6-in clay sewer with an 8-in PVC sewer that poses maintenance/access concerns due to the size of the main.

Benefit

This project will replace a public sewer main the City is unable to properly maintain.

Project Details

Estimated Design Start Date	FY 2025
Estimated Construction Start Date	FY 2025
Estimated Construction Completion Date	FY 2025



Northeast Area Sanitary Sewer Alternatives Analysis

Location

Within Ridgely Park, Area 1

Ridgely Park, Area 1

Ridgely Park, Area 2

Grandview, Area 1

Northeast, Area 2

Peoria Road

Purpose

This investigation/design/construction will be needed to complete the alternatives analysis required by the USEPA to reduce sanitary sewer overflows.

Benefit

This project will help to identify improvements to the system which will reduce the number and frequency of sanitary sewer overflows and basement backups in the sewer system.

Project Details

Estimated Design Start Date	FY 2024
Estimated Construction Start Date	FY 2024
Estimated Construction Completion Date	FY 2036

Adams, Monroe & Pasfield Street Sewer Replacement CBD4

Location

Adams and Monroe - Lewis to Pasfield

West of Pasfield - Monroe to Washington

Purpose

Replace an 18-in brick sewer constructed in 1884 and a 24-in brick sewer constructed in 1890. Abandon a 36-in brick sewer constructed in 1884 that runs through private property. The work will total approximately 2000 linear feet.

Benefit

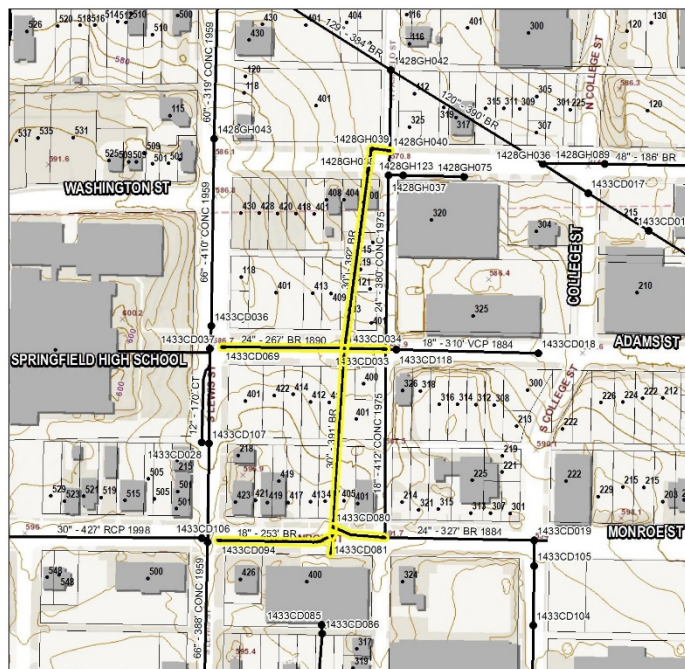
This project will abandon a severely deteriorated sewer located on private property, as well as replace deteriorated sewer lines.

Project Details

Estimated Design Start Date	FY 2025
Estimated Construction Start Date	FY 2026
Estimated Construction Completion Date	FY 2026

Special Considerations

Portions of this project are located on private property and will be completed with local funds.



Town Branch Sewer District: Various Location Sewer Abandonment CBD7

Location

4th St. – Under Madison St.

Klein St – North of Carpenter St.

Monroe St. – At 2nd St.

Jackson St. – At 3rd St.

Purpose

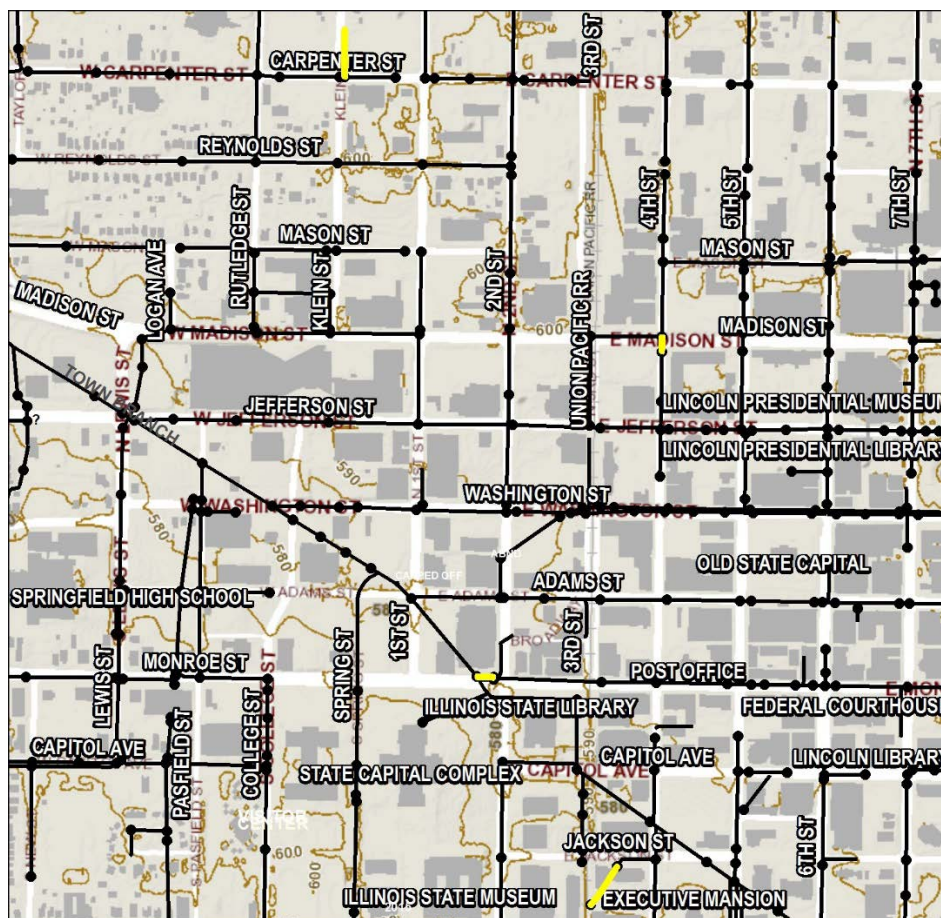
Remove approximately 500 linear feet of 8-in, 18-in, 24-in and 36-in sewer.

Benefit

This project will reduce the length of sewers to be maintained.

Project Details

Estimated Design Start Date	FY 2025
Estimated Construction Start Date	FY 2026
Estimated Construction Completion Date	FY 2026



Eighth and Madison Sewer CBD7

Location

Eighth and Madison Streets

Purpose

Abandon 94 linear feet of 24-in combined brick sewer that crosses Madison and connect the existing inlet on the south side of Madison to the storm sewer system on the south side of Madison.

Benefit

This project is needed to maintain integrity of the existing system by replacing deteriorated piping.

Project Details

Estimated Design Start Date	FY 2025
Estimated Construction Start Date	FY 2026
Estimated Construction Completion Date	FY 2026



Sixth Street Sewer Abandonment CBD15

Location

Sixth St.—Mason St. to Reynolds St.

Purpose

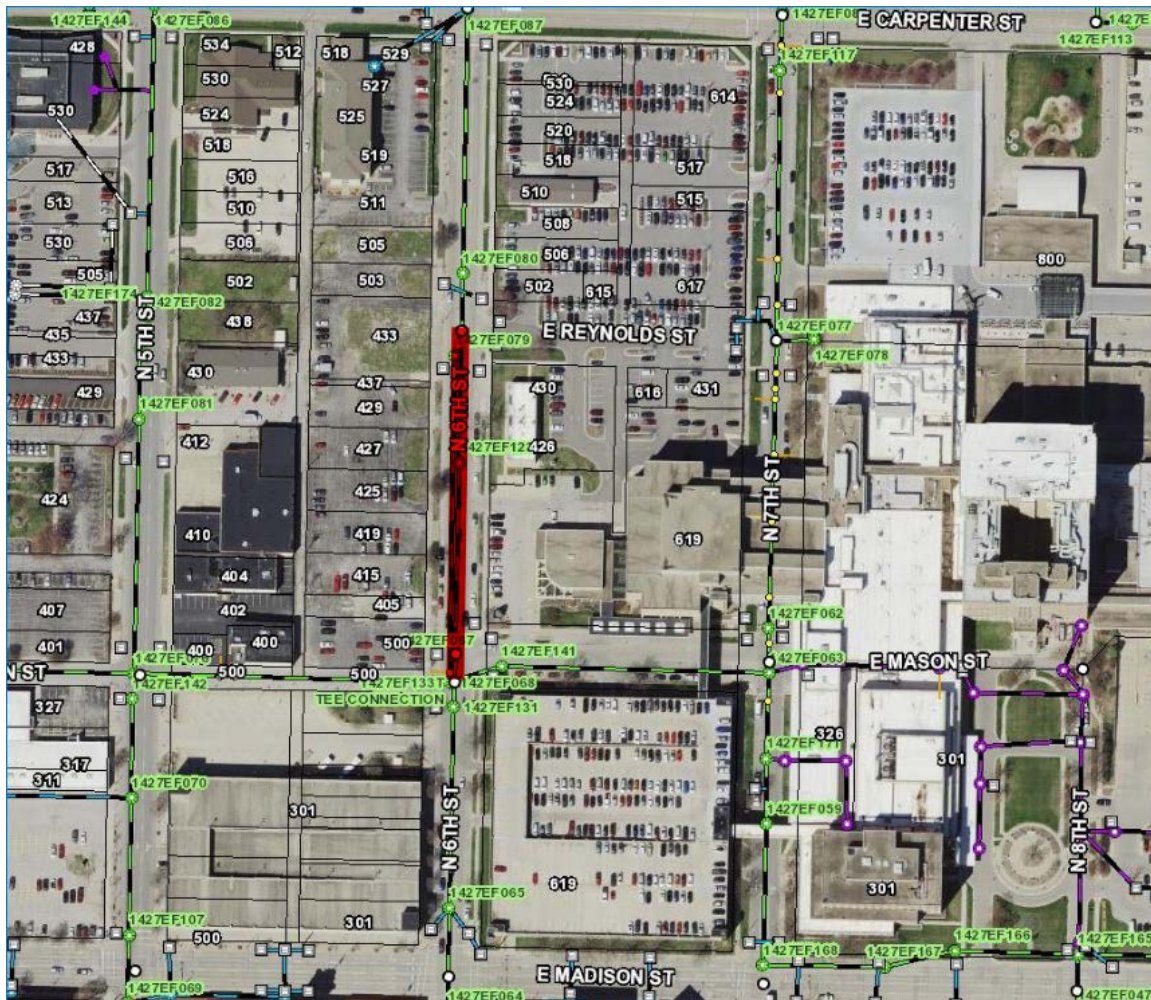
Remove 518 linear feet of 24-in sewer.

Benefit

This project will reduce the length of sewers to be maintained.

Project Details

Estimated Design Start Date	FY 2026
Estimated Construction Start Date	FY 2027
Estimated Construction Completion Date	FY 2027



Timberlane Subdivision Sewer Rehabilitation

Location

Timberlane Subdivision

Purpose

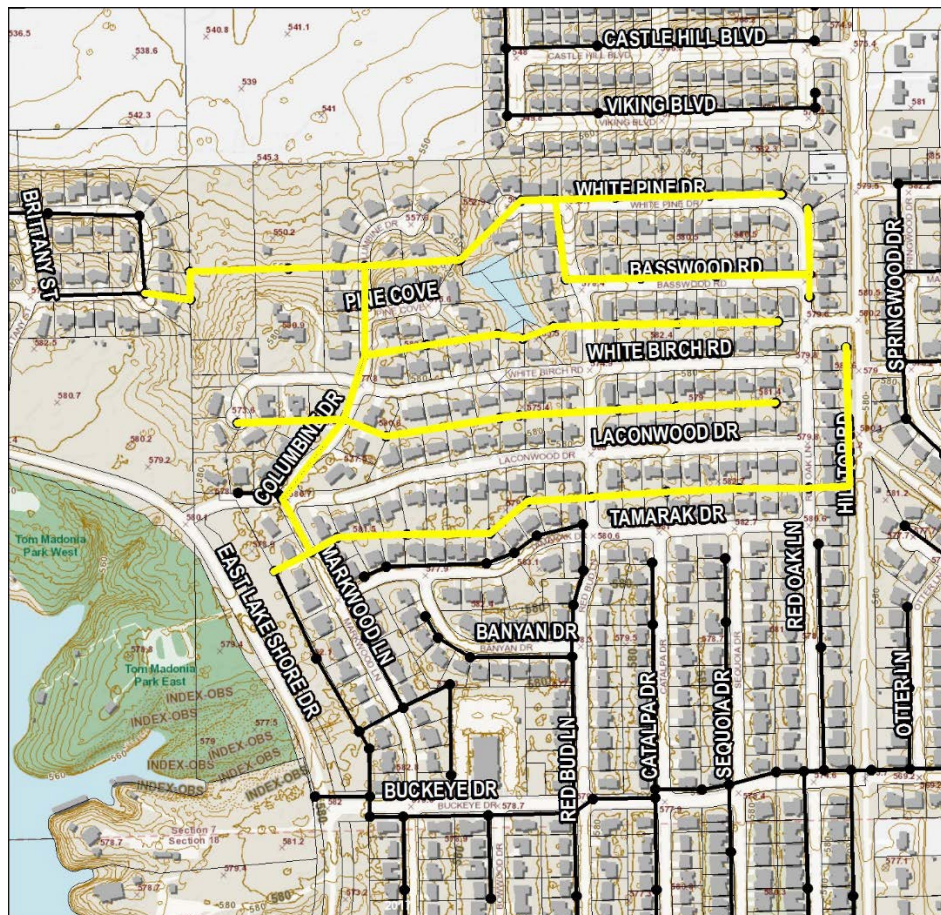
Rehabilitate approximately 11,000 linear feet of 8 and 12-in concrete sanitary sewers constructed in the 1960's. This project is necessary to improve aging infrastructure.

Benefit

The project will improve the structural stability of the existing combined sewer mains by rehabilitating the pipes with trenchless technology, cured-in-place pipe (CIPP) lining.

Project Details

Estimated Design Start Date	FY 2026
Estimated Construction Start Date	FY 2027
Estimated Construction Completion Date	FY 2027



Location

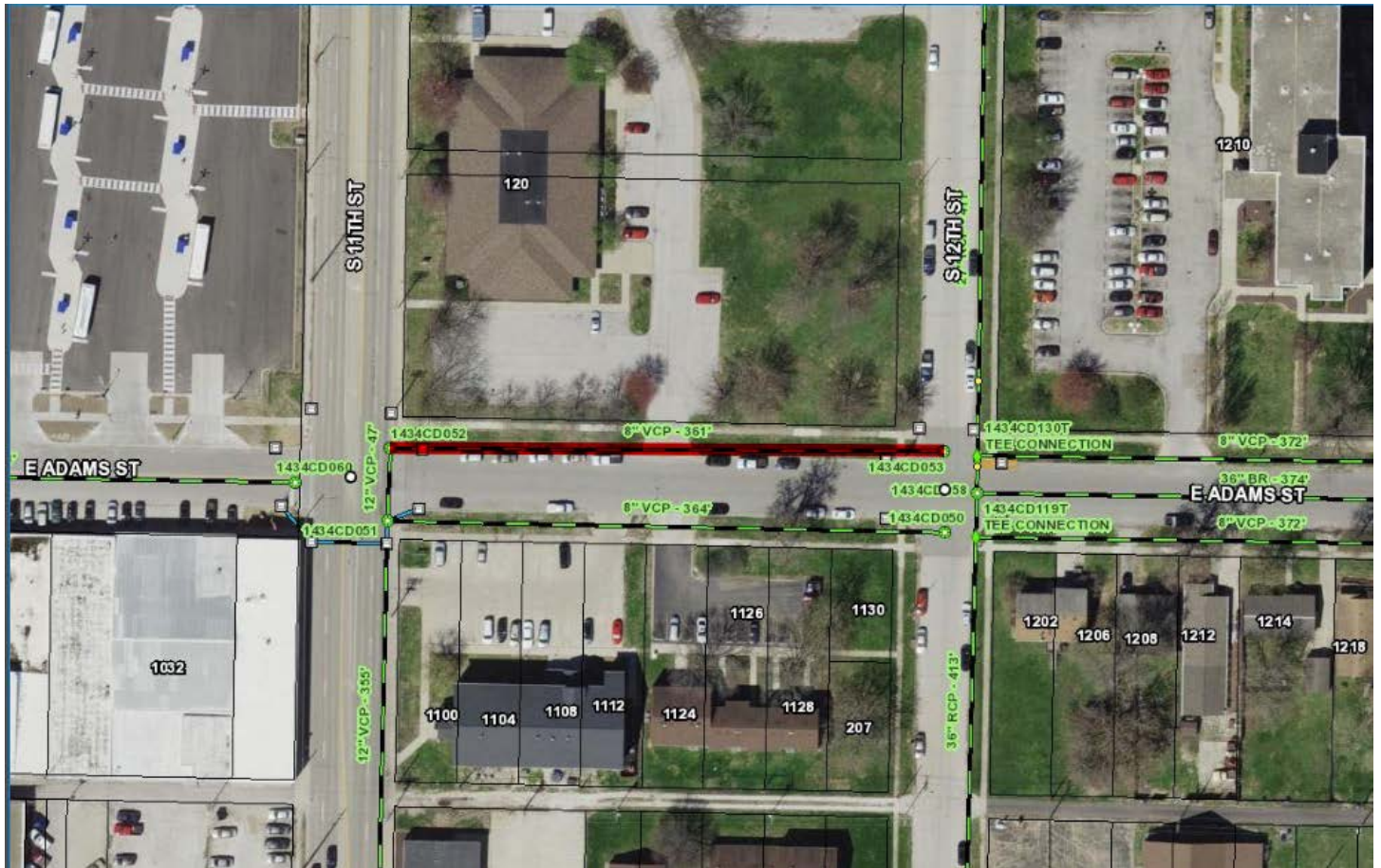
North Adams St. – 11th St. to 12th St.

Remove approximately 1,800 feet of 8-in, 12-in, 18-in, 24-in and 36-in sewer.

This project will reduce the length of sewers to be maintained.

Estimated Design Start Date	FY 2026
Estimated Construction Start Date	FY 2027
Estimated Construction Completion Date	FY 2027





Glen Aire Sewer Replacement

Location

Glen Aire Drive and Aldai Stevenson Drive

Purpose

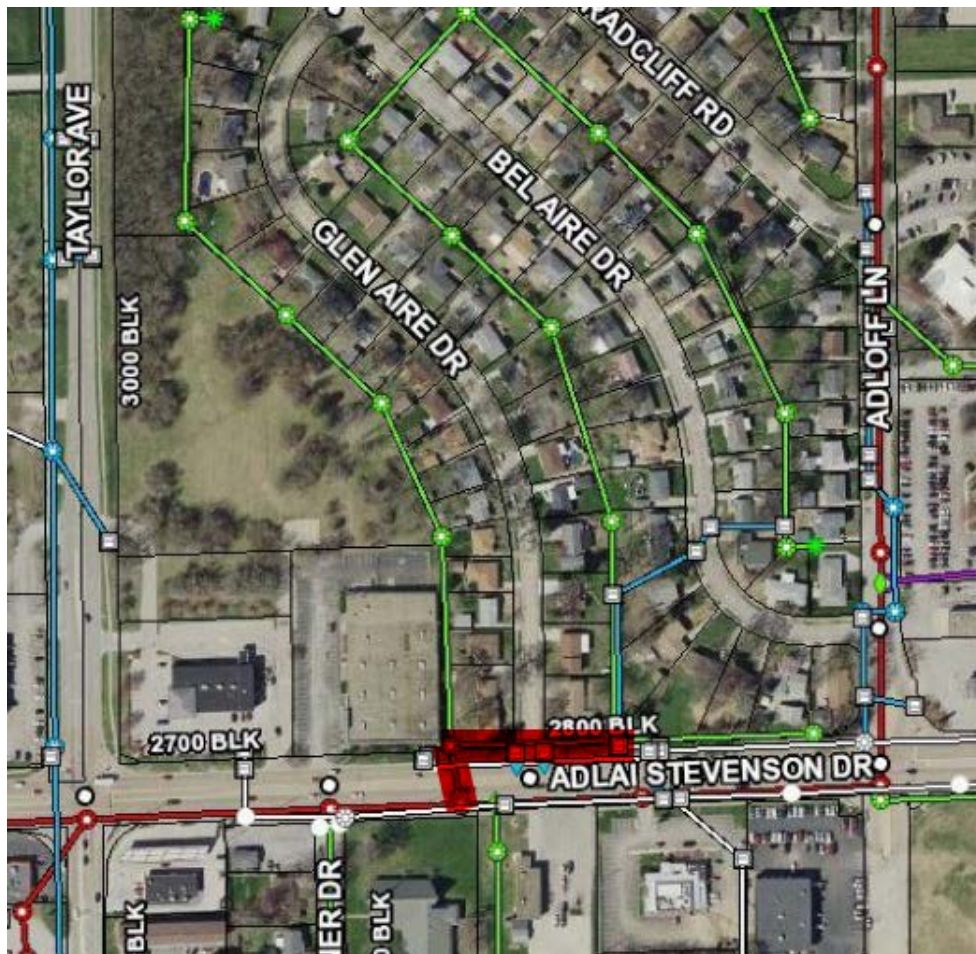
Replace 361 feet of 12-in sewer.

Benefit

This project will reduce the length of sewers to be maintained.

Project Details

Estimated Design Start Date	FY 2027
Estimated Construction Start Date	FY 2028
Estimated Construction Completion Date	FY 2028



Sherwood Subdivision Sewer Rehabilitation

Location

Sherwood Subdivision

Purpose

Rehabilitate 10,615 linear feet of 8-in, 10-in and 12-in sewer. This project is necessary to improve aging infrastructure.

Benefit

The project will improve the structural stability of the existing combined sewer mains by rehabilitating the pipes with trenchless technology, cured-in-place pipe (CIPP) lining.

Project Details

Estimated Design Start Date	FY 2028
Estimated Construction Start Date	FY 2028
Estimated Construction Completion Date	FY 2028



Indian Hills Sewer Rehabilitation

Location

Indian Hills Plat 1 & 2

Purpose

Rehabilitate 3,989 linear feet of 10-in sewer. This project is necessary to improve aging infrastructure.

Benefit

The project will improve the structural stability of the existing combined sewer mains by rehabilitating the pipes with trenchless technology, cured-in-place pipe (CIPP) lining.

Project Details

Estimated Design Start Date	FY 2028
Estimated Construction Start Date	FY 2029
Estimated Construction Completion Date	FY 2029

