#### CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM SEMI-ANNUAL REPORT – JANUARY 2025

PREPARED FOR REVIEW AND APPROVAL BY:

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5 ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

**CONSENT DECREE** 

UNDER SECTION 301(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1311(a) and SECTION 309(b) and (d) of the CWA, 33 U.S.C§§ 1319(b) and (d).

LODGED: December 10, 2024

#### PREPARED BY



5 Bank Square East St. Louis, IL 62203 (t) 618.398.0890

www.hurst-rosche.com January 31, 2025

#### **EXECUTIVE SUMMARY**

The city entered into an Administrative Order on Consent (AOC) with the USEPA on August 16, 2021 to address alleged violations of the Clean Water Act (CWA), particularly associated with certain chronic dry-weather sanitary sewer overflows (SSO's) occurring in the City's sewer system. Quarterly reports have been filed with EPA regarding progress on the requirements under the AOC since Q4 2021, including most recently Q4 2024, filed January 15, 2025. The city reached agreement with the United States and State of Illinois on a Consent Decree (CD) that was lodged with the court on December 10, 2024, but which remains subject to public comment and approval by the court. CD Paragraph 75.a requires the city to submit semi-annual reports by July 31st and January 31st of each year after the lodging of the CD. While Paragraph 75.a contemplates that the semi-annual report should cover the preceding six months of activities under the CD, because lodging of the CD occurred on December 10, this first semi-annual report under the CD is required to cover activities from the date of lodging through December 31, 2024.

Additionally, because of substantial overlap between the quarterly reporting requirements under the AOC and the requirements of CD Paragraph 75.a, the most recent Q4 2024 report under the AOC satisfies the requirements of Paragraph 75.a, and is attached hereto in its entirety. The table below describes where the information required by Paragraph 75.a can be found in the AOC Q4 2024 report. An updated Appendix A, incorporating updated schedule, funding, and cost information for Early Action Capital Improvement Projects, is also attached.

Paragraph Reference	Requirement	Location of Information
X.30.	From VI.A.18. Implementation of Targeted Dry-Weather SSO Corrective Action Plan. The City shall complete implementation of the Targeted Dry-Weather SSO Corrective Action Plan, in accordance with the requirements and schedule in Attachment 1 to Appendix A (Early-Action Capital Improvement Projects) of this Decree.	AOC Q4 2024, Milestone table and narrative pages 3-5. Three areas in the Dry Weather Plan noted below and as noted in CD Appendix A:  - N. 82 <sup>nd</sup> St. – new lift stations completed in October 2023  - Pocket Rd – Lift station rehab completed in June 2023  - Lauralee & Violet Area – Design of repairs, rehab, and new lift station and force main is in progress. Funding for design and construction is part of DCEO Grant applied for in August 2024, Grant Agreement pending.

X.30	From VI.A.19 Early Action Capital Improvement Projects. Based on previous investigations, the City has identified projects intended to remediate conditions that are causing SSOs, which shall be referred to as "Early Action Capital Improvement Projects." The Early Action Capital Improvement Projects are identified and described in Appendix A. The City shall complete all Early Action Capital Improvement Projects in accordance with the schedules set forth in Appendix A.	Appendix A Attachment to this report for dates of completion
X.30	From VI.A.22 Sewer Cleaning. The majority of the Sanitary Sewer System will be cleaned under the Wet-Weather SSO Investigation Plan and Appendix A. The City shall complete cleaning, televising, smoke testing, and cured in place pipe lining of the following areas of the Sanitary Sewer System not addressed by the Wet Weather SSO Investigation Plan (Appendix B) or the Early Action Capital Improvement Projects (Appendix A) by December 31, 2036: sewers in the vicinity of Church Rd & I-255; neighborhood NE of I-255 and IL 157 interchange; vicinity of Paris Ave; neighborhoods north of Jerome Lane; neighborhood bounded roughly by IL Rt 157, IL Rt 3, and Canadian Northern RR (formerly Missouri Pacific RR); and neighborhoods west of Il Rt 3 and Water Street. For purposes of this Consent Decree, "cleaning" is the process of removing debris from the interior of the sewer pipe.	For sewers not included in Wet Weather Plan, see Appendix A Attachment to this report for dates of completion
X.30	From VI.A.23 Implementation of Wet-Weather SSO Investigation Plan: The City shall implement the Wet-Weather SSO Investigation Plan in accordance with the requirements and schedule in Appendix B (Wet-Weather SSO Investigation Plan) of this Decree. Pipe and manhole inspections completed pursuant to the Wet Weather SSO Investigation Plan shall be performed in accordance with Appendix D, by persons with NASSCO certification to perform such inspections.	For sewers included in Wet Weather Plan, see Appendix B Attachment to this report for dates of completion. First area to be cleaned under the plan is to start in May 2025. City has requested funds from EPA Community Change grant to preform this work via contract services. If this grant is not awarded, the City is prepared to purchase the equipment and self-perform the cleaning work to stay on schedule with the Wet Weather Plan.
X.30	From VI.A.29 Implementation of Phase 1 Sewer Condition Rehabilitation Plan. The City shall complete the Work in the Phase 1 Sewer Condition Rehabilitation Plan, set forth in Paragraph 28, in accordance with the EPA approved Phase 1 Sewer Condition Rehabilitation Plan schedule.	This work is not scheduled to begin until approval of the Plan to be submitted by December 31, 2029. No updates at this time.
X.30	The City shall also attach legible maps identifying the manholes and sewer lines that were rehabilitated and cleaned with each Sewer Subdistrict.	Since cleaning program has not yet commenced, no maps are included in this report. For maps of the Wet Weather Plan areas, see Appendix B Attachment to this report

X.75.a.i.	Description of the actions that have been taken toward achieving compliance with this Consent Decree during the preceding six Months, including an assessment of the	AOC Q4 2024, Milestone table and narrative pages 2-6
	milestones due, whether they were met, and, if not, what actions were taken or planned to meet the milestones, the timeline for meeting those milestones, and any impact on future milestones	
X.75.a.ii.	an assessment of the effectiveness of such actions in preventing (SSOs)	AOC Q4 2024 SSO Summary & Reports Attachment and report narrative page 10
X.75.a.iii.	A summary of all SSO- and Backup-related customer complaints that occurred during the preceding six Months	AOC Q4 2024 SSO Summary & Reports Attachment
X.75.a.iv.	a summary of all SSOs and Backups that occurred during the preceding six Months	AOC Q4 2024 SSO Summary & Reports Attachment
X.75.a.v.	an analysis of the cause of each SSO and Backup	AOC Q4 2024 SSO Summary & Reports Attachment
X.75.a.vi.	A listing of funds expended on each action taken toward achieving compliance during the previous semi-annual period, estimated costs of all planned Work under the Consent Decree, funding received during the reporting period, and the funding available for ongoing and future Work under the Consent Decree, including planned use of all funding. If there is a shortfall of funding for future Work, the report shall also include a description of efforts taken to obtain funding and a plan for covering the shortfall.	AOC Q4 2024 Sewer Project Updates Attachment and Grants Summary Attachment  Consent Decree Appendix A Capital Improvement Projects Schedule Appendix A has been updated to reflect new information regarding costs (from recent bids received), funding sources (based on recent grant applications), and completion dates (for three projects, described below):  - #44 – Lift Station Replace – 75th & Clinton – delayed five months by late county approval of grant enabling start of design work. Project has been awarded and submittals for order of pumps and controls is under review  - #60 – Sewer repair – LaSalle – delayed 7 months by utility conflict with above ground Ameren power poles over excavation area. Project is on hold until poles are relocated, currently projected to be some time in February 2025.  - #62 – Sewer repair – Kenneth Ave delayed 7 months by utility conflict with above ground Ameren power poles over excavation area. Project is on hold until poles are relocated, currently projected to be some time in February 2025.

## CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM SEMI-ANNUAL REPORT – JANUARY 2025

PREPARED FOR REVIEW AND APPROVAL BY:

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5 ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

CONSENT DECREE

UNDER SECTION 301(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1311(a) and SECTION 309(b) and (d) of the CWA, 33 U.S.C§§ 1319(b) and (d).

LODGED: December 10, 2024

#### **ATTACHMENTS**

- AOC Q4 2024 Quarterly Report and Attachments
- Consent Decree Appendix A Updated Capital Improvement Projects Schedule
- Consent Decree Appendix B Wet Weather SSO Investigation Plan

# CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM SUMMARY AND STATUS REPORT – Q4 2024

PREPARED FOR REVIEW AND APPROVAL BY:

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5 ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### PREPARED BY



5 Bank Square East St. Louis, IL 62203 (t) 618.398.0890

www.hurst-rosche.com January 15, 2025

#### **EXECUTIVE SUMMARY**

The City of Cahokia Heights, newly formed from consolidation of the former communities of Alorton, Centreville and Cahokia, plus the Commonfields of Cahokia Public Water District, is located in the southwestern portion of St. Clair County, IL, and in the region known as the American Bottoms. The Bottoms are a floodplain of the Mississippi River, between the current east riverbank and the line of limestone bluffs more or less parallel to Illinois Rt. 157, being part of the ancient riverbed, protected from surface water flooding by riverfront levees and interior levees and drainage canals, but subject to frequent surface water inundation from bluff runoff and groundwater flooding from seasonal precipitation and river level surcharges.

The city entered into an Administrative Order on Consent (AOC) with the USEPA on August 16, 2021 to address alleged violations of the Clean Water Act (CWA), particularly associated with certain chronic dry-weather sanitary sewer overflows (SSO's) occurring in the City's sewer system. This summary and status report is required to document actions that have been taken, and the status of conditions, in order to demonstrate progress towards achieving compliance with the CWA and the AOC.

The requirements of the AOC to date are listed below, along with a response to each requirement, stating the current status and actions that have been taken during the previous quarter to achieve compliance and complete any needed actions or milestones set forth in the AOC.

Order Paragraph Reference	Days from Eff. Date	Requirement	Due Date	Completed (Y/N)	Date Approved by EPA	Notes
51	10	Designate a Project Coordinator and provide EPA's Case Manager (above) with the Project Coordinator's name, address, phone number, and email address	8/26/2021	Y	NA	Proj. Coord. changed from Lynn Branson Matchingtouch to Sharlin Pfeffer
48.B.	30	Submit a "Targeted Dry-Weather SSO Investigation Plan" to identify and better understand the causes of dryweather SSOs at the Targeted Dry-Weather SSO areas	9/15/2021	Y	12/13/21	

48.B.c.	*	Complete the Targeted Dry-Weather SSO Investigation within 90 days of EPA's approval of the Targeted Dry- Weather SSO Investigation Plan	90 days after EPA approval of 48.B.	Y		Some tasks waiting on surcharged sewers to subside
48.C.	*	Within 60 days of completion of the Targeted Dry-Weather SSO Investigation, submit a "Targeted Dry-Weather SSO Corrective Action Plan" to eliminate dry-weather SSOs at the Targeted Dry-Weather SSO areas	60 days after completion of 48.B.c.	Y	6/21/22	
48.C.c.	*	Respondent shall implement the EPA- approved Targeted Dry-Weather SSO Corrective Action Plan alternative in accordance with the approved schedule and milestones	in accordance with the approved schedule and milestones		NA	Plan revised in June 2024 to update schedules and include SSO Alternatives Plan for N. 82 <sup>nd</sup> St.
48.A.b.i	90	Train all City sewer staff regarding inspection of City lift stations and lift station bypass stations	11/14/2021	Υ	NA	Training was completed on 11/5/21, and is being provided to all new hires  Voluntary collection system certification training has been completed for 3 employees, with 1 more pending results
48.A.b.ii.	120	Inspect all City lift stations and temporary lift station bypass stations and submit to EPA a condition status report including date of inspection, name of inspector, operational condition of wet wells, pumps, valve vaults, and controls; and signs of damage.	12/14/2021	Υ	NA	Lift stations are inspected every other day and bypass pumping locations are inspected every day as part of plan
48.A.b.iii.	120	Address conditions with the potential to cause accidental injury to workers and residents at City lift stations and temporary lift station bypass stations, including unsecured or uncovered manholes and vaults, and open electrical panels	12/14/2021	Y	NA	Completed during Dec 2021, notice given to EPA on 1/3/22, ongoing inspections occur as part of plan
48.A.b.iv.	120	Submit to EPA for review and approval a routine inspection and maintenance plan for lift station and temporary lift station bypass stations, including standard operating procedures for operation, maintenance, and inspection of the lift stations and temporary lift station bypass stations, and example(s) of the written inspection forms/checklists to be used to document each inspection	12/14/2021 Extension of deadline granted to 1/14/22	Y	6/24/22	Inspection and maintenance plan submitted to EPA on 1/14/22, revisions submitted 5/2/22, 5/16/22, 5/26/22, 6/13/22, 6/17/22

48.A.b.v.	120	Submit to EPA for review and approval an interim plan to manage and track work orders, complaints, preventative maintenance; safety incidents; and overflows and backups	12/14/2021	Υ	6/24/22	Revisions submitted 5/2/22
48.A.b.vi.	120	Complete an assessment of the appropriate number of sanitary sewer staff needed across all job categories and across all parts of the City' Sanitary Sewer System and the level of expertise and licensing required for each position	12/14/2021	comments received and revision submitted several times as part of CMOM	NA	Staffing most recently was evaluated by consultant RATES, Inc., who indicated that personnel should add several more staff given current conditions of disrepair, bypasses, etc. Revised staffing plan submitted with approved CMOM  Current staff levels include 12 field employees in sewer department, up from 7 in 2021.
48.A.a.	180	Submit for review a CMOM program	2/16/22	Submitted and revised multiple times	11/21/22	Most recent submittals and revisions received verbal tentative approval on 10/28/22
48.D.a.	365	Submit for review a Wet Weather SSO Investigation Plan	8/16/22	Submitted and revised multiple times	3/21/23	Last revision reviewed and approved by EPA in June 2024

In addition to the above information regarding specific requirements under the AOC, the following is a status report and update on the three dry-weather SSO areas referenced in the AOC.

#### N. 82<sup>nd</sup> Street

This area consists of an 8" gravity flow sewer line in the middle of 82<sup>nd</sup> St., coupled with two lift stations, one located at the northeast corner of 82<sup>nd</sup> St and Belleview Ave., and one located at on Bluff Ave. between 82<sup>nd</sup> St and 81 St. More information contained on maps and plans were submitted with previous reports.

A portion of the gravity line in 82<sup>nd</sup> Street – approximately 370 feet from Bluff Street south, immediately adjacent and downstream of the yard cleanout cited in the consent order -- was excavated and repaired in July 2021. Work included replacement of the entire reach of sewer from manhole to manhole, CCTV of this repair, backfill, and surface restoration. This work repaired the blockage causing backups in this area, and were directly related to the SSO's coming from the broken yard cleanout. Plans for rehab/replacement of the two lift stations are complete and bids were received on 7/16/22. Bids were within range of the engineers estimate of cost, and award to the low responsive bidder had been awaiting finalization of the funding grant from IEPA, which was imminent as of the end of July, but was still pending review of initial documentation by IEPA as of 1/31/23. Due to the delay in funding from IEPA, the City made an award and contract approval with the contractor using local funds. Completion of construction was projected to require approximately 6 months, with the primary lag time attributable to delivery of pump and controls equipment. Equipment submittals have been approved and equipment has been delivered. Contractor began sitework on July 13, 2023. Both 82nd and Belleview and 82<sup>nd</sup> and Bluff Ave. locations were complete and fully operational, as of the end of October 2023.

#### Lift Station #5 (Pocket Road and Missouri Ave.)

This area consists of a shared 6" service line from two small motels – the DeLux Inn and the Relax Inn, feeding into the small duplex submersible pump station, and a 2 ½ inch force main running flow out to Pocket Road, and then north to a discharge into a manhole in Pocket Road near the intersection with 40<sup>th</sup> Street. Sewer plans of existing conditions were submitted with Q2 report.

Inspection of the lift station (wet well, pumps, valve vault, site) have been conducted, with the results incorporated into preliminary engineering plans and estimates for rehabilitation of the lift station, as part of a funding request via a grant application to the St. Clair County Intergovernmental Grants Department. The construction project has been completed and the new pump station is operating as of June 1, 2023.

#### Lift Station #22 (Lauralee Drive)

This area consists of two pump stations and associated gravity tributary sewers between Lauralee Drive and Renois Blvd.

Some preliminary engineering, to evaluate options and compile preliminary cost estimates, has been done. The preliminary plan is to replace the two existing pump stations on Lauralee with one new pump station in the same vicinity, and one new pump station on Renois Blvd., to remove the flow from this area currently going into Lauralee, and direct it south to an existing gravity line in Renois Blvd that runs south into the main trunkline at IL Rt. 157. Plan sheet of existing sewer locations was included in Q2 report. Completion of design and subsequent construction was included in the IEPA grant referenced below. This project design has been completed as of December 2024. This project was originally deferred to Phase 2 of the IEPA grant due to its large size, cost, and complexity, and to be able to devote time and resources first to the more populated and sewer service affected areas in Ping Pong and Piat Place to the north. Most recently, the project was shifted to funding via a grant from the Illinois DCEO, with an application made on August 13, 2024. This was done for the expediency of the DCEO grant, which is ARPA funded and requires commitment of funds before the end of 2024, and also to provide additional funds inside the IEPA grant for bid cost overruns and unforeseen changes, such as an emergency trunkline sewer repair on Jerome Lane. The grant agreement for this work is still pending at DCEO as of January 2025, but the project was bid and an award made to the low responsive bidder, Hank's Excavating, on December 30, 2025. Final contract bonds, insurance, and agreement will be finalized in January, pending receipt of the grant agreement from DCEO. The project is scheduled to be complete prior to June 2026.

In the meantime, the Lauralee/Violet stations are being maintained as emergency bypass pump locations by the City, and visually observed daily and inspected for proper operation every other day.

#### **FINANCING**

Repairs planned or further indicated by investigation under this plan to address past SSO's in the three target areas, or contributing conditions in tributary areas, will be financed through a combination of local funds, county intergovernmental grants, and state grant funds.

Recent developments in securing funding include ongoing discussions and approvals of plans with the IEPA Bureau Of Water regarding a \$10MM grant for sewer system rehabilitation. Grant Agreement was signed and received on 7/25/22 and the City has worked cooperatively with IEPA to complete the remaining paperwork to satisfy the program diligence to release initial funds and begin the work. All approvals of the supporting documentation have been received as of April 2023. Contract for design work for plans and specifications for individual repair locations was approved in May 2023 and is proceeding, beginning with the CIPP of the main trunkline (see below), and two sewer repairs in the Piat Place and Parkside East neighborhoods, at 327 N 63<sup>rd</sup> St, and 310 N 73<sup>rd</sup> St.

Bids were received for these two repair locations in September 26, 2023, and an award was made to the low responsive bidder, Haier Plumbing, in December. Construction was completed during May 2024.

Plans and specs have also been completed for the third bid package on the IEPA grant project, which are repairs to nine separate sewer break locations, including:

1301 St. Zita Lane

1001 Camp Jackson Road

858 Mildred Avenue

905 LaSalle Drive

148 Blue Water Lane

126 Kenneth Avenue

1613 Parklane Drive

1150 Halloran Street

4005 White Street

This package was awarded to the low responsive bidder, Hanks Excavating, in March 2024, and construction began the week of April 8, 2024, with completion expected in October 2024.

Construction is in progress on this package, with six of the locations completed, except for surface restoration, as of this report date. A seventh location, (1001 Camp Jackson Road, aka Cooper Drive) was inspected during the cleaning, televising, and CIPP work on the trunkline by the USACE and excavation repairs were found to be unnecessary, with liner installation deemed sufficient to restore integrity to the pipe. The 8<sup>th</sup> and 9<sup>th</sup> locations in the bid package (905 LaSalle Dr. and 126 Kenneth Ave.) have been delayed due to utility conflicts. These two locations have utility conflicts with Ameren overhead power lines and poles, as the electric lines are installed directly over the sewer in the same 10' wide easement. The City notified Ameren of the need for relocation of these poles and lines back in June 2024. There was some negotiation with the City over the cost to be paid to Ameren, which took some time to resolve, but the contractor has been waiting to work in these areas for approx. 6 months.

In the interim, time was taken to make the emergency repairs to the new break on Jerome Lane, and add some sewer line and easement footage to the break on Mildred Ave. to go around overhead lines and poles and avoid a similar situation of conflict with Ameren. A similar solution to the LaSalle and Kenneth locations is not possible, however, due to the physical limitations of existing adjacent private property features and improvements.

The contract for the nine sewer breaks, however, cannot be closed out as all nine locations were bid together under one contract, and technically it will not be "complete" until work at those last two sites is complete. Currently, Ameren expects to get their lines moved by the end of January, which would put the completion date potentially at the end of March 2025, a date which may be impacted by recent and possible future winter storms.

Design is complete for package #4 under the IEPA grant, which involves repair, rehab, or replacement of 16 pump stations in the city system, including complete replacement of all of the oldest and most outdated locations in the north end of the city, including Ping Pong, Piat Place, and Parkside subdivisions.

Bids were received for all 16 stations on October 2, 2024, with an award made to the low responsive bidder, Hank's Excavating. Construction phase has commenced, with shop drawing approval and order of long-lead time equipment, including new pumps and controls, which typically require 4-6 months for delivery. These designs and repairs will include aspects of the remote operational control and telemetry (SCADA) system. The project is scheduled to be complete by the end of December 2025

The City has met with the US Army Corps of Engineers, St. Louis District, regarding potential federal funding of water and sewer infrastructure construction. A Letter Report was approved and funds appropriated to the Corps for this project through Senator Durbin's office. Engineering work was begun on bid documents (as referenced above) and plans were delivered to the USACOE for review in August 2023. Bids were received in December, and an award was made subsequent to delivery by the City of an additional \$500,000 to cover the cost of the amount the low responsive bid, from Insituform Technologies, went over the USACOE project budget. Construction commenced in April 2024, and is continuing, with completion expected near the end of 2024 or beginning of 2025. The project, originally at approx. \$4.7MM, now at \$5.2MM, includes a 75/25% match, with the Corps funding approx. \$3.5MM, and the City funding the other \$1.2MM which will come from the IEPA grant, (plus an additional \$500k from the City), the first payment from which has already been transferred from the IEPA/DCEO to the City, and subsequently to the USACOE. In addition, the Corps received approval during June 2024 of additional funds allowed for trunkline work, which will be added to the current contract via change order. Plans for this extension of the work are complete by Hurst-Rosche, which will allow an additional 4,700 feet of sewer to be cleaned, televised, and CIPP lined.

In addition to the above, we have clarified the approved appropriation in the state of Illinois 2022 budget of an additional \$20.5MM for water and sewer work in Cahokia Heights, from the American Rescue Plan Act (ARPA), and from the Coronavirus Urgent Remediation Emergency Fund (CURE), as well as additional funds from federal appropriations from Senator Duckworth's and Representative Budzinski's offices. The City continues to work with state and federal agencies to finalize and release these appropriated funds. As stated above, applications were made for \$14.5MM in water and sewer work to the state DCEO in August 2024. Application for the other \$6MM in water system improvements was made to the same agency earlier in 2024. An application was made to EPA for a Community Change Grant for \$20MM for water and sewer work in November 2024, which is currently under review. See attached grant activity summary sheet for more information.

#### OTHER INITIATIVES

Work continues to upgrade and/or repair pump stations in the City system as funding allows. See attached projects update.

In addition, equipment has been delivered for flow monitoring devices, with one installed on a manhole at 427 N. 82<sup>nd</sup> St. in Ping Pong, and the other has been installed in a manhole just east of N. 73<sup>rd</sup> St. A smoke test blower and generator has also been delivered and is awaiting the start of the sewer investigation program. A CCTV rig has not yet been procured. With these tools, the City can conduct further diagnostic and investigative work to direct future corrective actions and preventative repairs. In the past, the City has contracted out for similar services on a project-by-project basis. In order to implement the plans and procedures outlined in the various submittals under the AOC, internalizing these functions will better enable the City to respond and be compliant with the planned activities in a timely manner. In the meantime, the City has applied to DCEO, as discussed above, for funds for sewer projects, including the cleaning, televising, and CIPP lining of all sewers in the Ping Pong neighborhood, and the Parkside neighborhood. This work was bid and awarded in December 2024, with final contract bonds, insurance, and agreement to be finalized in January, pending receipt of the grant agreement from DCEO.

#### **SUMMARY**

The City has expended a large amount of effort to hire, staff, train, instruct, and implement plans to inspect, report, repair, and maintain conditions of its sewer system in compliance with the Clean Water Act and the AOC.

As shown on SSO reports submitted separately and also in a summary attached hereto, there were ten separate SSO's during Q2 (with the SSO on N. 82<sup>nd</sup> St occurring over multiple days). Eight of these incidents were related to the heavy rain events in early November causing widespread local flooding and system surcharging. (See rain gage data attached for more information.) Two additional SSO's occurred, attributable to localized blockages in gravity sewer lines, and corrected the same day as reported. See the below table and the attached SSO summaries for more information. All reports were filed as required, signs were installed to inform residents, and cleanup was performed of the affected areas.

	SSO Sur	nmary - Q3 2024	10
Date	Location	Discharge Area	Cause
11/4/2024	219 N. 82nd St.	MESD Canal 1	
11/5/2024	219 N. 82nd St.	MESD Canal 1	
11/5/2024	481 N. 73rd St.	MESD Canal 1	
11/5/2024	Jerome & Falling Springs	storm sewer	
11/5/2024	700 Frontenac	basement	surcharge from heavy
11/6/2024	219 N. 82nd St.	MESD Canal 1	rains and flooding -
11/6/2025	3465 Camp Jackson	storm sewer	approx 9 inches total -
11/6/2024	505 S. 54th St	into ground	see rain gage data
11/6/2024	1307 Upper Cahokia Rd.	into ground	
11/6/2024	5800 Bond Ave.	into ground	
11/7/2024	219 N. 82nd St.	MESD Canal 1	
11/8/2025	219 N. 82nd St.	MESD Canal 1	
11/19/2024	63rd & Pittsburgh	ponding at manhole	blockage in line
11/22/2024	5881 Mitchell	storm sewer	blockage in line

# CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM SUMMARY AND STATUS REPORT – Q2 2024

PREPARED FOR REVIEW AND APPROVAL BY:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5
ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **ATTACHMENTS**

- SSO summary & reports
- Sewer project updates
- Grants Summary
- Rain gage data

City of Canokia	City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 1 of 4	Sewer Backups) Page 1 of 4 (Oct- Dec 2024)
		Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Customer
10/1/2024 1	10/1/2024 1100 Block of Saint Helena	notified.
		Possible sewer backup - Checked manhole and station down and flowing - Customer issue - Customer
10/1/2024 2	10/1/2024 2000 Block of Sycamore	notified.
		Possible sewer backup - Checked upstream manhole - Down and flowing - Customer problem -
10/2/2024	10/2/2024 1900 Block of Doris	Customer notified.
		Customer called - Wanted to know where sewer drain is located - We will refer to map and inform
10/7/2024	10/7/2024 400 Block of N. 57th Street	customer.
10/8/2024	10/8/2024 800 Block of Joliet Dr.	Possible sewer backup - Bad odor - Pumping on Frontenac - Manhole down.
10/8/00	10/8/2024 Son Block of Saint Dorothy	Possible sewer hackup - Customer problem - Checked and cleaned manholes - Manhole empty.
10/0/02	Direct of Court	Possible court backing Customer Booklem Manhola down
TO/ 6/ 2024	10/6/2024 BIDCK OF CALLET COULT	Possible sewer backup - Customer problem - Upstream and downstream manholes flowing - Jetted and
10/9/2024	10/9/2024 100 Block of Miskell Blvd.	Vac line.
		Possible sewer backup -Customer problem - Customer does not have backflow device installed -
10/9/2024	10/9/2024 1100 Block of George Street	Checked lines - No issues found.
10/10/2024	10/10/2024 1200 Block of Richard Dr.	Possible sewer backup - Customer problem - Clean out empty - Customer notified.
10/11/2021	10/11/2024 1200 Block of Coint 7th Dr	Possible sewer backup - Customer problem - Sewer down and flowing - Customer did not answer.
10/16/2024	6700 Block of Bist Street	Possible sewer backin - Manhole and station down Clistomer problem
101 for for	יין 10/ 2024 סמט פוטרע טו דומן אורכנ	rossipie sewei pachabi intaminote and station down, executive problem.
+707 for for	TO/ TO/ 2024 TIBO BIOCK OF NICHBER DE.	TOURIST DENKE DESCRIPTION PRODUCT INTRINSTER SOME STORY OF THE STORY O
10/16/2024	10/16/2024 1800 Block of Jerome Ln Rear	Possible sewer backup - Customer problem - Clean out empty - Plumbers snaked drain.
20/21/2024		Possible sewer backup -Customer problem - Upstream and downstream manholes down and flowing -
10/1//2024	10/11/2024 100 Block of Saint James	Customer has repair in none yard open - customer normed.
10/17/2024	10/17/2024 200 Block of Saint John Dr.	Possible sewer backup - Customer problem - Upstream and downstream manhole down and flowing.
		Possible sewer backup - Customer issue with lateral line - Plumber need permit to dig - Talked to
10/18/2024	10/18/2024 100 Block of Saint James	customer.
10/21/2024	10/21/2024 1700 Block of Parklane Dr.	Possible sewer backup - Storm drain collapse on our sewer pipe - Had to bag the line and bypass.
10/28/2024	10/28/2024 3900 Block of Mississippi	Possible sewer backup - Customer problem - Checked manhole down and flowing.
10/28/2024	10/28/2024 3900 Block of Mississippi	Possible sewer backup - Put sand bags around manhole we are discharging from bypass.
		Possible sewer backup -Customer problem. Checked upstream and downstream manhole - Customer
10/28/2024	10/28/2024 1100 Block of Saint Boniface Dr.	notified.

city of Cahodda Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Ort- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 2000 Block of Greystone Dr.  10/28/2024 2000 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1700 Block of Doris Ave.  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 1700 Block of Saint Raphael Dr.  11/4/2024 1800 Block	No block in manhole.	11/13/2024 5100 Block of Sterling Ave.
city of Cabokals Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024   1700 Block of Parklane Dr.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Customer has plumber at property - Customer problem - Customer problem - Customer problem - Checked manhole upstream and downstream down and flowing - Customer problem - Checked manhole upstream and downstream down and flowing - Customer problem - Checked manhole upstream and downstream empty - Customer problem - Checked manhole upstream and downstream empty - Customer problem - Checked manhole upstream and downstream empty - Customer problem - Checked manhole upstream and downstream down and flowing - Customer problem - Checked manhole - Station shut down to prevent further overflow - Une laid		
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4. (Oct- Dec 2024)  10/28/2024 1700 Block of Farklane Dr.  10/28/2024 200 Block of Greystone Dr.  Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing- Customer problem - Checked upstream and downstream manholes were down and flowing- Customer problem - Checked upstream and downstream manhole swere down and flowing- Customer problem - Checked upstream and downstream manhole down and flowing- Customer problem - Checked upstream and downstream manhole swere down possible sewer backup - Customer problem - Checked upstream and downstream manhole down and 10/29/2024 1700 Block of Parklane Dr.  10/39/2024 1700 Block of Farklane Dr.  10/39/2024 1700 Block of Saint Raphael Dr.  10/39/2024 1800 Block of Saint Raphael Dr.  10/39/2024 1800 Block of Saint Raphael Dr.  11/4/2024 1800 B	Possible sewer backup - Customer problem.	11/7/2024 1700 Block of Jerome Ln.
City of Cahodal Heights - Quarterly- SSO Summary (Sewer Backups). Page 2 of 4. (Oct- Dec 2024)  10/28/2024 1700 Block of Farklane Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Parklane Dr.  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 1700 Block of Farklane Dr.  10/28/2024 1700 Block of Saint Raphael Dr.  11/4/2024 1200 Block of Saint Raphael Dr.  11/6/2024 1200 Block of Saint Paul  11/6/2024 1200 Block of Saint Paul  11/6/2024 1700 Block of Mullens Ave.  12/6/2024 1700 Bloc	Customer lateral not discharging.	11/6/2024 Block of Agnes Dr.
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing. Customer problem - Checked upstream and downstream manhole swere down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Customer notified.  10/39/2024 1700 Block of Parklane Dr. Possible sewer backup - Lostomer problem - Customer notified.  10/39/2024 1700 Block of Parklane Dr. Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/39/2024 1700 Block of Farklane Dr. Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem - Customer has plumber at property - Customer problem - Checked manhole upstream and downstream down and downstream down and possible sewer backup - Customer problem - Customer problem - Checked manhole - Customer p	Possible sewer backup - Blockage in home - Plumber contacted - Jetted line - Manhole holding debris -	
City of Cahokla Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 200 Block of Parklane Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Parklane Dr.  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 1700 Block of Parklane Dr.  10/29/2024 1700 Block of Saint Raphael Dr.  10/29/2024 1700 Block of Saint Raphael Dr.  10/29/2024 1700 Block of Saint Raphael Dr.  10/2024 1700 Block of Saint Raphael Dr.	Possible sewer backup - Sand bags placed around bypass.	11/6/2024 1700 Block of Jerome Ln.
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 200 Block of Parklane Dr.  10/28/2024 200 Block of Foreystone Dr.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Parklane Dr.  10/28/2024 1700 Block of Saint Raphael Dr.  10/28/2	flowing - Customer notified.	11/6/2024 1700 Block of Mullens Ave.
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.   Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 1500 Block of Farklane Dr.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer backup - Customer problem - Checked upstream and downstream manholes were down 10/28/2024 1500 Block of Doris Ave.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down 10/29/2024 1700 Block of Parklane Dr.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down 10/29/2024 1700 Block of Parklane Dr.   Possible sewer backup - Customer problem - Customer notified.  10/29/2024 1700 Block of Parklane Dr.   Customer complaining of smell - Smell own and everything is good.  10/29/2024 1700 Block of Farklane Dr.   Customer complaining of smell - Smell own and round problem - Customer problem	Possible sewer backup - Customer problem - Checked manhole upstream and downstream down and	
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1700 Block of Parklane Dr.  10/29/2024 1700 Block of Farklane Dr.  10/29/2024 1700 Block of Saint Raphael Dr.  11/4/2024 1300 Block of Saint Raphael Dr.  11/4/2024 1300 Block of Saint Raphael Dr.  11/4/2024 1300 Block of Saint Raphael Dr.  11/6/2024 2000 Block of Saint Raphael Dr.  Possible sewer backup - Customer problem - Checked manhole upstream and downstream down and flowing - Customer problem - Checked manhole were to ackup - Outstomer problem - Charged system.  11/6/2024 2000 Block of Saint Raphael Dr.  11/6/2024 2000 Block of Saint Raphael Dr.  12/6/2024 2000 Block of Saint Raphael	upstream and downstream empty - Customer notified.	11/6/2024 700 Block of Saint Paul
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) - Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.   Possible sewer backup - Customer problem   Checked upstream and downstream manholes were down   10/28/2024 1500 Block of Doris Ave.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down   10/28/2024 1500 Block of Doris Ave.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down   10/28/2024 1500 Block of Doris Ave.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down   10/28/2024 1500 Block of Parklane Dr.   Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and   10/29/2024 1500 Block of Parklane Dr.   Possible sewer backup - Lustomer problem - Customer notified.   10/39/2024 1700 Block of Parklane Dr.   Possible sewer backup - Jetted line and everything is good.   10/29/2024 1700 Block of Parklane Dr.   Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.   10/29/2024 1700 Block of Parklane Dr.   Customer complaining of smell - Smell coming from break - Bypass up and going.   11/1/2024 1700 Block of Parklane Dr.   Customer stated water is coming out of sewer - Customer has pumber at property - Customer problem - Customer notified.   11/1/2024 1700 Block of Saint Raphael Dr.   Possible sewer backup - Overflow at cleanout - Blockage in lateral.   11/1/2024 1700 Block of Saint Raphael Dr.   Possible sewer backup - System full of rain water - We had 4" of rain and no power to station.   11/6/2024 1700 Block of S. 54th Street   Possible sewer backup - System full of rain water - We had 4" of rain and no power to station.   11/6/2024 1706 Block of S. 54th Street   Possible sewer backup - System full of rain water - We had 4" of rain and no power to station.   11/6/2024 1706 Block of S. 54th Street   Possible sewer backup - System full of rain water - We had 4" of rain and no powe	Possible sewer backup - Customer having issues flushing - Customer problem - Checked manhole	
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.	and debris removed - Charged system.	11/6/2024 500 Block of S. 54th Street
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.	Possible sewer backup - Discharged manhole - Station shut down to prevent further overflow - Line laid	
City of Cahokla Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 1700 Block of Greystone Dr. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down 10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down 10/28/2024 1500 Block of Parklane Dr. Possible sewer backup - Customer Problem - Checked upstream and downstream manholes were down 10/29/2024 1000 Block of Parklane Dr. Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and flowing - Customer problem - Customer problem - Customer notified.  10/30/2024 1000 Block of Parklane Dr. Possible sewer backup - Letted line and everything is good.  10/29/2024 1700 Block of Parklane Dr. Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/29/2024 1700 Block of Parklane Dr. Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Customer notified.  11/1/2024 1700 Block of Farklane Dr. Possible sewer backup and bad smell - Customer Problem - Customer problem - Customer problem - Customer problem - Checked upstream and downstream manhole upstream and downstream down and flowing - Customer problem - Customer notified.  11/1/2024 1700 Block of Saint Raphael Dr. Possible sewer backup and bad smell- Customer problem - Checked manhole upstream and downstream manhole upstream and downstream and downstream manhole upstream and downstream and downstream manhole down	=	11/6/2024 2000 Block of Louise Ave.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct-Dec 2024)  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 1600 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/29/2024 1500 Block of Parklane Dr.  10/29/2024 1700 Block of Parklane Dr.  10/30/2024 100 Block of Parklane Dr.  10/30/2024 1700 Block of Parklane Dr.  Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/30/2024 1700 Block of Farklane Dr.  Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem	Possible sewer backup - Customer problem - Manhole empty - Customer notified.	11/6/2024 1300 Block of Saint Raphael Dr.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.	downstream down and flowing - Customer notified.	11/4/2024 1300 Block of Saint Raphael Dr.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024   1700 Block of Parklane Dr.   Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024   200 Block of Greystone Dr.   Possible sewer backup - Customer problem.  10/28/2024   1600 Block of Doris Ave.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  10/28/2024   1500 Block of Doris Ave.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/29/2024   1700 Block of Parklane Dr.   Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and 10/29/2024   1700 Block of Parklane Dr.   Possible sewer backup - Customer problem - Customer notified.  10/30/2024   1700 Block of Parklane Dr.   Possible sewer backup - Jetted line and everything is good.  10/29/2024   1700 Block of Parklane Dr.   Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/30/2024   1700 Block of Parklane Dr.   Customer complaining of smell - Smell coming from break - Bypass up and going.  11/1/2024   6200 Block of Parklane Dr.   Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem - Customer notified.  11/1/2024   1600 Block of Parklane Dr.   Customer problem - Customer problem - Customer notified.	Possible sewer backup and bad smell- Customer problem - Checked manhole upstream and	
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/29/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and 10/29/2024 1700 Block of Piat Street Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and 10/30/2024 1700 Block of N. 73rd Street Possible sewer backup - Customer problem - Customer notified.  10/29/2024 1700 Block of Parklane Dr. Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/30/2024 1700 Block of Parklane Dr. Customer complaining of smell - Smell coming from break - Bypass up and going.  Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem - Station and manhole down - Overflow at cleanout - Blockage in lateral.	Possible sewer problem - Customer problem - Customer notified.	11/1/2024 1600 Block of Parklane Dr.
City of Cahokia Heights - Quarterly - SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/29/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer Problem - Checked upstream and downstream manholes were down and 10/29/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and 10/30/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer problem - Customer notified.  10/30/2024 1700 Block of Parklane Dr. Possible sewer backup - Jetted line and everything is good.  10/30/2024 1700 Block of Parklane Dr. Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/30/2024 1700 Block of Parklane Dr. Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem - C		11/1/2024 6200 Block of Laura Ave.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Parklane Dr. Possible sewer backup - Customer problem.  10/28/2024 1600 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/29/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/30/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer problem - Customer notified.  10/30/2024 1700 Block of N. 73rd Street Possible sewer backup - Letted line and everything is good.  10/29/2024 1700 Block of Parklane Dr. Customer complaining of smell - No smell when arrived - Could be coming from blue water ditch.  10/30/2024 1700 Block of Parklane Dr. Customer complaining of smell - Smell coming from break - Bypass up and going.	Customer stated water is coming out of sewer - Customer has plumber at property - Customer problem -	
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.  10/28/2024 200 Block of Greystone Dr.  10/28/2024 1600 Block of Greystone Dr.  10/28/2024 1600 Block of Doris Ave.  10/28/2024 1500 Block of Doris Ave.  10/29/2024 1700 Block of Parklane Dr.  10/30/2024 1700 Block of Parklane Dr.  10/29/2024 1700 Block of Parklane Dr.  10/29	Customer complaining of smell - Smell coming from break - Bypass up and going.	10/30/2024 1700 Block of Parklane Dr.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  10/28/2024 1600 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/29/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and flowing - Customer notified.  10/30/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer problem - Customer notified.  Possible sewer backup - Customer problem - Customer notified.  Possible sewer backup - Lustomer problem - Customer notified.  Possible sewer backup - Lustomer problem - Customer notified.  Possible sewer backup - Lustomer problem - Customer notified.  Possible sewer backup - Jetted line and everything is good.		10/29/2024 1700 Block of Parklane Dr.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  10/28/2024 1600 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  10/29/2024 1700 Block of Parklane Dr. Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.	Possible sewer backup - Jetted line and everything is good.	10/30/2024 100 Block of N. 73rd Street
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  10/28/2024 1600 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  10/28/2024 1500 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.  Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream - Checked upstream - Checked upstream - Checked upstream - Checked	Possible sewer backup - Customer problem - Customer notified.	10/30/2024 6200 Block of Piat Street
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr.   Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.   Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer notified.   Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and Possible sewer backup - Customer Problem - Checked upstream and downstream manhole down and	flowing - Customer notified.	10/29/2024 1700 Block of Parklane Dr.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  10/28/2024 1600 Block of Doris Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down and flowing - Customer problem - Checked upstream and downstream manholes were down	Possible sewer backup Customer Problem - Checked upstream and downstream manhole down and	
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.  Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down	and flowing - Customer notified.	10/28/2024 1500 Block of Doris Ave.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down and flowing.	Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down	
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.  Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down	and flowing.	10/28/2024 1600 Block of Doris Ave.
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.  10/28/2024 200 Block of Greystone Dr. Possible sewer backup - Customer problem.	Possible sewer backup - Customer problem - Checked upstream and downstream manholes were down	
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)  10/28/2024 1700 Block of Parklane Dr. Customer called about smell - Put sand bags around manhole from bypass.	Possible sewer backup - Customer problem.	
City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups) Page 2 of 4 (Oct- Dec 2024)	Customer called about smell - Put sand bags around manhole from bypass.	10/28/2024 1700 Block of Parklane Dr.
	Sewer Backups) Page 2 of 4 (Oct- Dec 2024)	City of Cahokia Heights - Quarterly- SSO Summary

٠,

Possible sewer by treet  Possible sewer by treet  Possible sewer by the possible sewer by possible sew		
Job Block of Mosley Sewer Backups). Page 3 of 4 (Oct - Dec 2024)  24 700 Block of Mildred Ave. 26 100 Block of Dorcas Dr. 27 100 Block of Dorcas Dr. 28 200 Block of Dorcas Dr. 29 200 Block of Dorcas Dr. 29 200 Block of Dorcas Dr. 29 200 Block of Part Street 29 200 Block of Fairt Stephen Dr. 29 21 22 200 Block of Laura Ave. 29 22 200 Block of Saint Stephen Dr. 29 22 200 Block of Saint Stephen Dr. 29 22 200 Block of Saint Clement Dr. 29 20 Block of Saint Clement Dr. 29 20 Block of Saint Rose 29 20 Block of Saint Rose 29 20 Block of Saint Rose 29 20 Block of Saint Margaret 29 20 Block of Saint Maud 29 20 Block of Park Pl. 29 20 Block of Saint Maud 29		12/5/2024 1300 Block of Richard Dr.
Job Block of Mosley Summary (Sewer Backups). Page 3 of 4 (Oct - Dec 2024)  24 700 Block of Mildred Ave. 26 100 Block of Mildred Ave. 27 100 Block of Dorcas Dr. 28 100 Block of Dorcas Dr. 29 200 Block of Dorcas Dr. 29 200 Block of Dorcas Dr. 29 200 Block of Part Street 29 21 22 22 22 22 22 22 22 22 22 22 22 22	Possible sewer backup - Customer problem.	12/5/2024 700 Block of Saint Maud
Job Block of Musiler Park Pic.  24 1000 Block of Fairt Street  25 200 Block of Saint Stephen Dr.  26 1000 Block of Saint Street  27 1000 Block of Saint Rose  28 1000 Block of Saint William  29 1000 Block of Saint William  20 200 Block of Saint William  20 20 Block of Saint Will	Possible sewer backup - Customer problem - Checked upstream manhole down and flowing.	12/4/2024 2000 Block of Delores Street
okia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Dischar at cleanout.  Lateral ine may have been damaged by Illing Customer on the front of house - Lateral line may have been damaged by Illing Customer drain in home wont drain - Customer problem - Clean out was empty - Customer notified.  Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockage in main line.  Possible sewer backup - Customer drain on deanout - Backup in home.  Possible sewer backup - Customer problem - Checked cleanout and it was empty - Customer notified.  Possible sewer backup - Customer problem - Checked manholes down and flowing.  Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked manhole and station down and flowing - Customer notified.  Possible sewer backup - Customer problem - Checked deanout it was empty - Customer notified.  Possible sewer backup - Customer problem - Checked deanout it was empty - Customer notified.		12/4/2024 Block of Dora Dr.
okia Heights - Quarterly - SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)    Cottomer of Mildred Ave.	Possible sewer backup - Customer problem - Checked cleanout it was empty - Customer notified.	12/2/2024 1000 Block of Saint Margaret
Skia Heights - Quarterly- SSO Summary (Sewer Backups)   Page 3 of 4 (Oct - Dec 2024)	Possible sewer backupCustomer problem - Checked manhole and station down and flowing.	11/26/2024 100 Block of Homeside Dr.
okia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Cistomer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and plowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer problem - Checked upstream manhole down and flowing - Customer	Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.	11/21/2024 900 Block of Saint William
okia Helights - Quarterly - SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and flowing and possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Block of First Street Inne may have been damaged by Illing at cleanout.  Customer complain about sewage in the front of house - Lateral line may have been damaged by Illing at cleanout.  Customer drain in home wont drain - Customer problem - Clean out was empty - Customer notified.  Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockage in main line.  Possible sewer backup - Customer did not answer - Lateral line has blockage or break - Station and manholes down - System Jetted - No blockage in main line has blockage or break - Station and manholes down - System Jetted - No blockage in main line has blockage or break - Station and manholes down - System Jetted - No blockage in main line has blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - Checked cleanout and it was empty - Customer notified.  Possible sewer backup - Customer problem - Checked manholes down and flowing.	Possible sewer backup - Customer problem - Checked upstream manhole down and flowing - Custom notified.	11/20/2024 500 Block of Chaudet Ave.
Nia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Discha at cleanout.  Customer complain about sewage in the front of house - Lateral line may have been damaged by Illine Customer or Vill assist customer's plumber - Blockage in lateral - No blockage in main line.  Customer drain in home wont drain - Customer problem - Clean out was empty - Customer notified.  Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockage in main line.  Possible sewer backup - Customer did not answer - Lateral line has blockage or break - Station and manholes down - System Jetted - No blockage in manholes down - System Jetted - No blockage	Possible sewer backup -Customer problem - Checked manholes down and flowing.	11/19/2024 1100 Block of Saint Rose
Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  24 700 Block of Mildred Ave. Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  24 100 Block of Dorcas Dr. Possible sewer backup - Storm drain issue - Contacted Street Dept. Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Dischail at cleanout.  24 1200 Block of Piat Street Customer complain about sewage in the front of house - Lateral line may have been damaged by Illing and the final street of the customer has lateral in manholes.  24 1200 Block of Saint Stephen Dr. Customer drain in home wont drain - Customer problem - Clean out was empty - Customer notified.  24 1200 Block of Saint Stephen Dr. Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockage in main line.  24 1200 Block of Park Pl. Possible sewer backup - Customer did not answer - Lateral line has blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - Sy		11/19/2024 4200 Block of Mosley Street
Possible sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Dischauge in the front of house - Lateral line may have been damaged by Illinus at cleanout.  Customer complain about sewage in the front of house - Lateral line may have been damaged by Illinus at cleanout sewage in lateral - No blockage in main line.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Dischauge in the front of house - Lateral line may have been damaged by Illinus at cleanout.  Customer complain about sewage in the front of house - Lateral line may have been damaged by Illinus at cleanout at cleanout in main line.  Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockage in main line.  Possible sewer backup - Customer did not answer - Lateral line has blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - System Jetted - No blockage or break - Station and manholes down - Customer has no cleanout - Backup in home.	Possible sewer backup - Customer problem - Checked cleanout and it was empty - Customer notified.	11/19/2024 100 Block of Saint Clement Dr.
possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer problem - Checked upstream and downstream manhole down and possible sewer backup - Customer problem - Checked upstream and downstream manhole down and possible sewer backup - Customer problem - Contacted Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Dischauge at cleanout.  Customer complain about sewage in the front of house - Lateral line may have been damaged by Illing Customer drain in home wont drain - Customer problem - Clean out was empty - Customer notified.  Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockage in main line.	Possible sewer backup - Customer did not answer - Lateral line has blockage or break - Station and manholes down - Customer has no cleanout - Backup in home.	11/19/2024 7100 Block of Park Pl.
Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and	Possible sewer backup - Block in lateral line - Station and manholes down - System Jetted - No blockar in main line.	11/19/2024 5400 Block of Sterling Ave.
possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Dischalate at cleanout.  Customer complain about sewage in the front of house - Lateral line may have been damaged by Illing American - Will assist customer's plumber - Blockage in lateral - No blockage in main line.	Customer drain in home wont drain - Customer problem - Clean out was empty - Customer notified.	11/18/2024 1200 Block of Saint Stephen Dr.
okia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Storm drain issue - Contacted Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Discharate Street Dept.  Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Discharate Street Dept.	Customer complain about sewage in the front of house - Lateral line may have been damaged by Illing American - Will assist customer's plumber - Blockage in lateral - No blockage in main line.	11/15/2024 6200 Block of Laura Ave.
bkia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.  Possible sewer backup - Storm drain issue - Contacted Street Dept.	Possible sewer backup - IEPA onsite - Jetted and Vac line - Customer has lateral line concerns - Discharat cleanout.	11/18/2024 5900 Block of Piat Street
okia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)  Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.	Possible sewer backup - Storm drain issue - Contacted Street Dept.	11/15/2024 100 Block of Dorcas Dr.
okia Heights - Quarterly- SSO Summary (Sewer Backups) Page 3 of 4 (Oct - Dec 2024)	Possible sewer backup - Customer problem - Checked upstream and downstream manhole down and flowing - Customer notified.	11/14/2024 700 Block of Mildred Ave.
	(Sewer Backups) Page 3 of 4 (Oct - Dec 2024)	City of Cahokia Heights - Quarterly- SSO Summary

	12/31/2024
to contact landlord or plumber.	12/27/2024 Block of Hanoner Ln.
Possible sewer backup - Customer problem in lateral - Station and manholes down - Customer notified	
contact landlord or plumber.	12/27/2024 200 Block of Saint John Dr.
Possible sewer backup - Manholes and station down in area- Blockage in lateral - Customer notified to	
and flowing- Customer notified.	12/26/2024 700 Block of Saint Paul
Possible sewer backup - Customer problem - Checked up and down stream manhole both were down	
Possible sewer backup - Customer problem - Manholes are down - Customer notified	12/26/2024 7100 Block of Park Pl.
clean up customer backyard.	12/26/2024 3300 Block of Barbara
Possible sewer backup - Our problem - Jetted line and blew out some sewer - H and H was called to	
and empty	12/23/2024 1100 Block of George Street
Possible sewer backup - Customer problem - Checked downstream manhole and it is a dead end - Down	
Possible sewer backup - Customer problem - Jetted the line	12/20/2024 2900 Block of Camp Jackson Rd.
Possible sewer backup - Jetted the line	12/18/2024 3400 Block of Bellevue Dr.
out system - Still down but not affecting customer.	12/18/2024 3600 Block of Falling Springs Rd.
Possible sewer backup- Customer problem - There was a cave in near the 200 block of Edwards - Tim vac	
Possible sewer backup- Customer problem - Upstream manhole down and flowing - Customer notified.	12/17/2024 700 Block of Saint Martin
Possible sewer backup - Customer problem - Checked and cleaned out in backyard empty	12/16/2024 1000 Block of Upper Cahokia Rd.
Possible sewer backup - Our problem - Had to jet line- We have a crack and need bypass.	12/13/2024 3600 Block of Falling Springs Rd.
Possible sewer backup -Customer problem - Checked upstream manhole down and flowing.	12/12/2024 1700 Block of Andrews
Manhole full of water - Our problem - Had to jet line.	12/12/2024 Block of Deloris Dr.
Possible sewer backup - Customer problem - Checked and cleaned manhole both down and flowing.	12/12/2024 500 Block of East 5th
Possible sewer backup - Customer problem - Checked up and down stream manholes down and flowing - Customer notified.	12/9/2024 1400 Block of Williams Street
Possible Sewer backup - Our problem - Had to jet line - Possible break in main line - Customer notified.	3600 Block of Falling Springs Rd.
(Sewer Backups) Page 3 of 4 (Oct - Dec 2024)	City of Cahokia Heights - Quarterly- SSO Summary (Sewer Backups)

City of Cahoki	City of Cahokia Heights - Quarterly- SSO Summary -Oct - Dec 2024	Summary -Oct - Dec 2024		
		Discharge Volume in		Number of SSO's in
Date	Location	Gallons	Area Receiving Discharge	Calendar Year
11/4/2024	11/4/2024 219 N. 82nd St	Unknown	Discharge Canal #1	∞
11/5/2024	11/5/2024 219 N. 82nd St	Unknown	Discharge Canal #1	9
11/5/2024	11/5/2024 481 Nth 73rd Street	Unknown	Storm drain at address	5
11/5/2024	11/5/2024 700 Frontenac	Unknown	Basement of Address	1
11/5/202/	11/5/2024 Jacomo & Calling Springs		Storm drain at	1
11/6/2024	11/6/2024 219 N. 82nd St	Unknown	Discharge Canal #1	10
			Storm drain at	`
11/6/2024	11/6/2024 3465 Camp Jackson	Unknown	address	1
11/6/2024	11/6/2024 505 S. 54th Street	Unknown	absorbs into soil	H
11/6/2024	11/6/2024   1307 Upper Cahokia	Unknown	Runs on ground - absorbs into soil	1
11/6/2024	11/E/2024 E000 Bond Acc		Runs on ground -	د
11/7/2024	11/7/2024 219 N. 82nd St	Unknown	Discharge Canal #1	11
11/8/2024	11/8/2024 219 N. 82nd St	Unknown	Discharge Canal #1	12
11/19/2024	11/19/2024 63rd & Pittsburg	Ten - Fifteen	Ponding around manhole	1
11/20/2024	5091 Mitchell	Hakaawa	Storm drain at	<u> </u>
11/22/2024	11/22/2024 5881 Mitchell	Unknown	address	-

Analysis of cause for SSO's
219 N. 82nd St. - SSO due to prolonged rainfall & widespread flooding in area.

# Analysis of cause for SSO's Page two

219 N. 82nd St. - SSO due to prolong rainfall & widespread flooding in area.

481 Nth 73rd St. - SSO due to constant rainfall & widespread flooding in area

700 Frontenac - SSO due to widespread flooding causing overflow in basement.

Jerome & Falling Springs - SSO due to charged system because of heavy flooding in surrounding area. Line was bypassed to eliminate overflow. Customer experienced immediate relief.

219 N. 82nd St.- SSO due to prolonged rainfall & widespread flooding in area.

3465 Camp Jackson - SSO due to prolonged rainfall & widespread flooding in area.

505 S. 54th St. - SSO due to heavy flooding in area which lead to an overflow at pump station discharge manhole.

1307 Upper Cahokia -SSO due to flooding resulting in overflow at manhole in rear.

5800 Bond Ave. -SSO due to flooding in area causing pump station shut off.

219 N. 82nd St. - SSO due to prolong rainfall & widespread flooding in area.

219 N. 82nd St.- SSO due to prolong rainfall & widespread flooding in area.

63rd & Pittsburg - SSO due to blocked sewer main.

5881 Mitchell - SSO due to blocked sewer main.

5		ZMI 9		レン		(	4	٥	1	ن خ	1	(	기		ابا څ	7	\$	7.5			
(/)	101	7	8.	19/01	2	1/4	)	5/1 h. C	121	JM/6/3		16/2	,	97		_	É		101	Date	
J. M. 77 7:18 12.00	5.	7.10 1	2	7.4/0/4 4.14	>	80.4 16	2	9:/7		4:00	•	9:36 AM		11:19	,	9.27		01		Employ Time	
Milli		A rou		Aim		AM		P. 12		Ara		NA	55	A roly		A: M		Dies/		Time	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet	020	219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
00		70		Ø.		200		\$		20		S		20		55		05		Occurance	550
5		००		NO		50		60		00		20		ک 0		0		20		Odor	Sewer
5		S C		NO		50		02		20		\$ 0		ें ०		5		200		Debris	Sewer
5	ı	\$		(N) (C)		80		3		50		50		100		5		50		Ponding	
٥. ح		5:0	•	0 18	â	0.5		5		012		5.0		5.0		0/2		S		Event	Precipitation
でのろく	7	2000		mone	43	2000	)	noor	5	F080	)	NONE	Ì	2200	,	2000		2000		Destination,	SSO Discharge

Y	July	7 mg	IN 10/11	Y	2	2/4/m2	SI SE	Jal 10/8	N N	r'
Ju/6/14	4/6/	10//		JW 19/10	5 M/6/10		Jul 10/4		5M/8	Date
N'4 85.8	6.11	91.19	9:10	9:20	alib	9.13	9:00	9:36	7,35	Employ Time
72,47	A/E	AM	Am	Mind	14 /M	£), m	A,'u	Aud	A.Z	Time
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Wet Weather SSO
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Dry Weather SSO
3	50	20	5	20	0 8	00	08	DOS	20	SSO Occurance
85	05	5	wo	800	20	50	05	500	20	Sewer Odor
つつ	00	2	8	5	50	アロ	20	20	200	Sewer Debris
٦ ٥	20	2	00	100	200	30	80.	00	70	Ponding
3	3-0	5.0	3	3	<u>ق</u> خ	3.0	5	3:0	0/8	Precipitation Event
No 12	3505	2000	2002	3000	roone	32004	320 3011	3000	NOG her	SSO Discharge Destination,

9)
0
D
7

しる	1	J. 1/2	1	200	7	2	\ -		2	77	1	7.47	)	7	{	7	1	ر څر	į		
2	3	12	-	816.20	3	1/8	121	1/2	7	17	2.	3/1/6	Ž	416		115	2	15	6	Date	
10 18 AV		102		8 46		Jen 19 8 16 18		3tin L1/	3	161,21		6.63		28.5 91/6/hrs		15 6.64		1,5 9:21		Employ Time	
A		Mi Ch		N N		A		AM		Dins		A,M	, ()	P. V		AM		PM			
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
500		D. O		02		00		50		100		20		20	,	0 2		かる		. Occurance	055
5		٥		50		50		5		200	· )	000	199	200		500		8		Odor	Sewer
50		3		03		20	. 6	3		0		S		5		200		80		Debris	Sewer
2		5		20		50		20		20		70		5		200		20		Ponding	
0.2		<u>0</u> ئ	ı,	<u>0</u> أ	2	0.00		3-0		DIW		3:0	. "	3		0 - 0	-	3.0		Event	Precipitation
NONE	,	3002		10000	FC	MONE		つのから		NONE	•	のつくり		2002		たのかと	*	2002		Destination,	SSO Discharge

$\mathcal{Q}$
0
$\mathcal{O}$
T

					550	Sewer	Sewer		Precipitation	SSO Discharge
Date E	Employ Time	fime	Wet Weather SSO	Dry Weather SSO	.Occurance	Odor	Debris	Ponding	Event	Destination.
12			219 N. 82nd St.	219 N. 82nd St.						
JM 1/22 9:32		D Z			たの	20	3	8	3:0	かつから
141			Lauralee & Violet	Lauralee & Violet			2.0			۸.
100 19 20	1,50	NA NA			29	200	NO	20	ج ک	505
141			219 N. 82nd St.	219 N. 82nd St.					,	
JU 623 11:00	1.00	Dins			000	Š	70	800	٠ ر ر	たらなど
12			Lauralee & Violet	Lauralee & Violet						
JM 193 4:07 AM	(10)	Z Z			から	mo	たの	200	ر م اخ	COKE
1.61			219 N. 82nd St.	219 N. 82nd St.						
201, 124 1010		Sing of			NO	かっ	20	20	<u>ه</u> ځ	2002
5/			Lauralee & Violet	Lauralee & Violet				,	_	
155.8 46/ 200	8:59	Aira			200	00	5	80	٥ ٤	Boised
141			219 N. 82nd St.	219 N. 82nd St.					,	
15 di36		A RM			200	60	20	000	0 % 5	とのかの
5			Lauralee & Violet	Lauralee & Violet					(6	
56/0/20	Co P	MILL			20	800	50	50	5	からのろ
7			219 N. 82nd St.	219 N. 82nd St.					_	
NA 16:37 86/0 JAC	16:37	72			NO	200	200	5	ئ	んのひゃ
lg			Lauralee & Violet	Lauralee & Violet	::- )			)	_	
N. V 18, 19 86/ 12	4,37	うう			ر 2 2	50	てつ	50	٥٥٥	てるので

				18/0/3 No. C.	ن خ	1	ا ک		ر ح	,	34.8 3ch, ric	1	76/199	1		
				10/31	131	19	730	2	130	161	30/	2	126	16/	Date	
		ŧ		9:52	21.15		5/M 730 8:48	<b>3</b> 7.5	0 N 130 9:32		8:48	5.5 53 66	00 W		Employ Time	
				Z	4 2		2002		20/2		75 1		70 /2		Time	
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.		lauralee & Violet	219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.		Lauralee & Violet	219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
				OB	2	ť	アロ		20		20		20		.Occurance	055
				500	1	5	20		500		20		200		Odor	Sewer Sewer
				0	200	: :	00		0 0		20		20		Debris	Sewer
				アひ	70	3	20	)	700		40		5		Ponding	
				010		٠ ٢ ١	0, 0		0:0	,	0-0		0,5		Event	Precipitation
				2000		2005	700	5 × 6	たののと	j	でのかく	5	7202	· '3	Destination,	SSO Discharge

W
O
P
1

2000	0:0	70	70	5	50	Lauralee & Violet	Lauralee & Violet	AM	4:27	1/2
Citació Et	0,0	183	1/85	YES	V85	219 N. 82nd St.	219 N. 82nd St.	<u>1</u> 5	1615	7/
2000	0,920	5	č -	2 -	٥ ٥	Lauralee & Violet	Lauralee & Violet	3	36.15	1/10
OISCHARGE	0,90,0	531	53N	53.1	53N	219 N. 82nd St.	219 N. 82nd St.	202	101%	,,,
2010	5.72 10	٠ - ٥ ٥	2	ξ 0	7 ~	Lauralee & Violet	Lauralee & Violet	D J	18,12	3
Crant 7	5.72.0	23.0	1,53	123	53/	219 N. 82nd St.	219 N. 82nd St.	A A	9.37	3
None	1,44100	\$	0 0	\$ 0	0	Lauralee & Violet	Lauralee & Violet	A,E	8:59	1/
Oischnage +	1.44/2	531	5311	53 1	531	219 N. 82nd St.	219 N. 82nd St.	AM	2	7
2000	0,09	ور چ	05	00	20	Lauralee & Violet	Lauralee & Violet	A A	9:37	7
O. Og. ~ PONE	0.89.2	20	700	0 5	20	219 N. 82nd St.	219 N. 82nd St.	A	10/16	_
SSO Discharge Destination,	Precipitation Event	Ponding	Sewer Debris	Sewer Odor	SSO . Occurance	Dry Weather SSO	Wet Weather SSO		Employ Time	Date

1
$\mathcal{O}$
i
1

,	ri		41	i	4	68	اع		ķ		4	니	0	4	1	ر ا	6	(		
1	£'.	\ L	ンシュー	ر کن	2	7/3	<u>ئخ</u> ا	61/	//!	الم./	1	=	11/20	1111	18	01 11/	81	111	Date	
/4 (P) A/		16:16 Am		128.4	3	1,3 7.05 A.M	3	54'8 e'/,	<u>}</u>	11.10	111	_			81,52	}	4.06	2	Employ Time	
D	.2	Ava		> 2		Z Z		Air		D Z		-			7,24		Airl		Time	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
70		50		20		20		100		70					200		SSA		.Occurance	SSO
50		20		20		3		صح		20		0			<b>≯</b> 00		18		Odor	Sewer Sewer
20		50		20		00		20		ر 0		013	)		č O		488		Debris	Sewer
5		خ 0		20	_	20		₹ 0		50		4	1		50		785		Ponding	
0,131	(4	0,13.		3:0		<i>ن</i> ک		0170		0.3					510		٥ ج		Event	Precipitation
0,1315 5000		とのでと		nore		とのうべ		rowe		れのごと					3000	å	CAUAL LA	Discharge	Destination,	SSO Discharge

V
0
V
Ì

Y	Jay M	You	7 7	1 m2	H K	الم <u>ق</u>	<u>ير</u>	W Z	K	1 _
12/1	21	JW1/20	11/20	11/18	11/9	8115	Jal 11/18	Jad 11/15	J. 11/1/5	Date
Jul 1/21 7:05	1013	8.56	11 30	90	19 10:17 AM	Jul 1/18 8149	6.13	5.0%	9:31	Employ Time
D Z	کے	DIZ	: 30 Am	Air	2	A jas.	D Ž	h ou	Am	Time
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	713 W. 07114 2t.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St,	Lauralee & Violet	219 N. 82nd St.	Wet Weather SSO
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	717 W 02110 3C	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Dry Weather SSO
00	700	6	100	3	00	20	5	7 O	5	SSO . Occurance
50	50	80	0	po	200	خ ی	50	05	0	Sewer Odor
たひ	2	5	2	200	Ne	\$ 0	20	20	5 0	Sewer Debris
7 0	2	5	05	20	80	3	2	20	℃	Ponding
0,2	<u>e</u> 3	0,2	012	0,26,2	0,26,0	0,14,2	0.1412	ر ج ح	3	Precipitation Event
NO006	3000	たのかと	Lone	none	2000	ئ چ م	ر م ر م	NON E	てのとろ	SSO Discharge Destination,

Jul 1/28	50M11/28	JW1/57 8:10	16, h 12/ Mg		JM1/20 6:03	te: 10 9t/ mg	-	Ja 1/25 8:56.	(H,01 SCI, WC	1/1	3cd 1/22 4:07	5.	15:201 EC/ 1mg	11:	Date Emplo	
1		کا تخ	AM	-		N		Am	7 Be		AA		S &		Employ Time	
Lauralee & Violet	219 N. 82nd St.	במנומומת איוטימנ	Inches & Violet	219 N. 82nd St.	Lauralee & Violet		219 N. 82nd St.	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
Lauralee & Violet	219 N. 82nd St.	במתומומת כל אוכובר	I puralos & Violet	219 N. 82nd St.	Lauralee & Violet		219 N. 82nd St.	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
	1	8	00		50	20		5	50		00		300		. Occurance	550
0	<i>y</i>	20	50		ξ 0	200		5	200		20		55		Odor	Sewer Sewer
		20	5		5	50		7	5	•	20	,	200		Debris	Sewer
	A C	20	5		5 O	30		5	5		5		₹ 0		Ponding	
0,17,w	0,17.2	9/2	5	_	<u>0</u> 3	3.0		012	0,0		20	9.5	200	5.0	Event	Precipitation
	- arour	んのひと	1202		たのかで	none		roux	3000		2000	<b>)</b>	2000		Destination,	SSO Discharge

C
O
V
1

				الم	M	11	الم	1-1	ri B	ř _
						1/30	11/30	5C/	126/1	Date
		¥						8.51	5m/1/29 9:23	Employ Time
								D X	20	Time
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Wet Weather SSO
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Dry Weather SSO
							-	5	2 0	SSO Occurance
								02	20	Sewer Sewer Odor Debris
			29					50	0 3	Sewer Debris
								ر 2	3.	Ponding
								0,0	٥.	Precipitation Event
								かいっと	2000	Precipitation SSO Discharge Event Destination,

h
0
P
4

니	(e) M(c)	( (	ار	201 765 C	1	Now Por	i 	DA 764	 	J 64 1/63	_	Jed 1/0}		2		75	4	Ī	
	61.	103	100	705	2			104	W	703		10}	1	tos	E.	401	۷	Date	
Jm 46 G:51	1 @ j	157.4	•	4.35		9,56	_	10:11		15/59		9:28		4,12		(2.7)		Employ Time	
P j	ž Š	5		3		学れ		Di A		A in		AM		3		Dir		Time	
Lauralee & Violet	713 N. 021M 3r.	200 00 00 00 00 00 00 00 00 00 00 00 00	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
Lauralee & Violet	בדי ואי סבוום סני	710 N 87 nd St	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
5	5	20		20		5		20	,	20		5.0		5		20	,	Occurance	550
50	20	200		20		20		200		100		92		20		<u>خ</u>		Odor	Sewer
20	20	0		20	0	20	>	29		20		200		50	,	5		Debris	Sewer
50	20	00	j	0		5		5		100		00		20		100		Ponding	
@!~	3	5	>	0:00		3.0	,	0.5	<del>-</del>	0.000		0.65,0	,	0-3	•	3		Event	Precipitation
3505	2002	6000		2002		2000		10000	6	3000		2000		2026		つのうと		Destination,	SSO Discharge

M	ly Z	500	VE	Jun 2	his pus	7	JW 12/10	シューション	الغ الم	
1,3	1/3	Jan 13/2	Jul 12/2	12/1	11/6	Jun 12/10		5	12/	Date
	SM 13/3 10:10	9:18	16:07	8:56	10:13	9,00	9,41	10:63	Ujoi	Employ Time
Ĭ,	AM	D au	72 CT	is Ž	ž Ž	A A	M M	12, 24	3	Time
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Wet Weather SSO
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Dry Weather SSO
20	200	70	50	20	るの	アン	5	<u>ت</u>	2 0	SSO Occurance
20	20	200	NG	7 6	5	5	50	20	70	Sewer Odor
20	20	2	70	0	<b>で</b> の	5	2	<u> </u>	70	Sewer Debris
20	5	5 0	2	5	0	3	Zx.	5	5	Ponding
010	0	0,2	0	5	0,0	0:2	010	6.12.4	0,17,0	Precipitation Event
none	3 200 2	2025	rere	2026	~ 0 ~ €	No we	2005	0.12.2000	0,17,~ None	SSO Discharge Destination,

M
0
P
1
6.3

PAC.	1.		イシン	٤	1		1	الأ	1	Y		ر چ	-	J.W 1/7	(	Jul //0		1/2/16			
1/2	(2)	O.	77	3/6.mc	1/	6/10,000	/ /	JW //3	12	1/8 1/8	12/	17/ 1/20	13/	117	121	110	121		ي	Date	
19:60 CEX MC	•	10,24		15.8		10.27		647		75. h	,	11,10	,	141		6/6		10:41		Employ Time	
is In		A m		B in		A		DA	,	N X		D		20		*	-	7 3		îme	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet	Ł	219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Wet Weather SSO	
	Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.		Lauralee & Violet		219 N. 82nd St.	Dry Weather SSO	
70	,	20		7 0		20	()	10 C	<u>.</u>	5		P- 0	-/	20	,	20		20		Occurance	550
Ro		5		خ G		100		70		5		20		20		120		20		Odor	Sewer
20		50		20		5		3		20		20		50		20	,	26		Debris	Sewer
7 c		5	_	200		20		00	Y	5		30	,	ME		50		20		Ponding	
ن خ خ		0 : 50		012		0.10	,	0,11		0.11.0		0.01		0,01	3	0.04		0.04		Event	Precipitation
RONE	,	2020	Ĉ	7000	26 W W	10000	) ) ) )	かるかと		3000		none	<u>.</u>	2000	)	アのかと	a:	rone	· >	Destination,	SSO Discharge

N
0
D

mo no	0/0	200	wo	ç	no	Lauralee & Violet	Lauralee & Violet	A SA	1.W. 7 Col. W. 7.
SMONE	0.12	50	5	20	an			MA CCO	LOPENT !
	0,1	20	200	5	MO	719 N. 82nd St.	219 N 82nd St	100 PM	AC/ 1.
アクラ	£	<b>\</b>		ر		Lauralee & Violet	Lauralee & Violet	4	1 2 :
2000	10/	20	20	3	20			9118 AM	Jalla /Di
			5			219 N. 82nd St.	AN 2119 N. 82nd St.	TARA	()
	,			G	/ /	Lauralee & Violet	tauralee & Violet		JM12/35
		2	0		*				いる/%
	)			1		219 N. 82nd St.	219 N. 82nd St.		1
none	3	50	20	20	300			7.40 De.	UN 734 8:50
	a				_	Lauralee & Violet	Lauralee & Violet	E	16.1
NONE	0:3	5	00	30	0 3		(0)	9.26 Am	2 Ld proc
	•					219 N. 82nd St.	219 N. 82nd St.		
2002	0/3	5	20	100	S			9.02 A m	1/23 (
	2		•			Lauralee & Violet	Lauralee & Violet		, ) /
NONE	3	20	20	20	00			7:11 AM	Vi 123 7
)	•					219 N. 82nd St.	219 N. 82nd St.	•	161
Destination,	Event	Ponding	Debris	Odor	.Occurance	Dry Weather SSO	Wet Weather SSO	Employ Time	Date E
- 6	· · · · · · · · · · · · · · · · · · ·		00000		, i				

S
O
U
~
The state of the s

	N	Y	Y Z	VI E	UI &	2/e/2	July 131	5m/2/2	5m13/	Date
						21/3/8 0:11	TOPE .	July 08/6, 145	5 N/3/0 10:13	Employ Time
							3	A	N. F.	Time
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Wet Weather SSO
Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Lauralee & Violet	219 N. 82nd St.	Dry Weather SSO
						70	5	00	ro.	Occurance OSS
						Pool	20	20	2	Sewer Odor
						700	Cast	NO	20	Sewer Debris
						(pod	₹ O.	20	5	Ponding
						6,02	0.02	0.64	0.64	Precipitation Event
		8				rove	RONE	2000	30000	SSO Discharge Destination,



#### **Cahokia Heights Sanitary Sewer System Projects**

(as of 1/7/25)



i Market  kond Avenue  Alssouri Avenue  Alssouri Avenue  Alssouri Avenue  Alssouri Avenue  Bluff Esteet  Alsouri Esteet  Alsouri Esteet  Bluff  Belleview  Alsouri Esteet  Bluff  Belleview  Alsouri Esteet  Alsouri Esteet  Bluff  Belleview  Alsouri Esteet  Brows  Market  Alsouri Esteet  Brows  Market  Alsouri Esteet  Brows  Market  Buth  Belleview  Alsouri Esteet  Brows  Market  Alsouri Esteet  Brows  Market  Brows  Brows  Market  Brows  Brow  Brows  Brow	4	500 S. 42nd Street 4972 Bond Avenue 4200 Missouri Avenue 143 Racehorse Drive 800 Range Lane 5800 Bond Avenue 219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 327 N. 63rd Street 327 N. 63rd Street 310 N. 73rd Street 927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	184, 132, 103, 51, 69, 130, 158, 121, 199, 58, 121, 116, 189, 96, 111, 212, 263,
cond Avenue dissouri Avenue sissouri Avenue sissouri Avenue singe Lane all (Front) 82nd Street John Drive Syans s Locations (CIPP) on Street on Lane Bluff Bellleview 63rd Street 73rd Street 73rd Street 75 nows Market  date - Drive dred Avenue Salle Drive te Water Lane enthaliane Drive arklane Drive alloran Street	4	4972 Bond Avenue 4200 Missouri Avenue 143 Racehorse Drive 800 Range Lane 5800 Bond Avenue 219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	132. 103, 511. 69, 130. 158, 121, 199, 58, 121, 116, 189, 96, 111, 212, 263,
Affissouri Avenue orse Business Park ange Lane all (Front) 82nd Street John Drive Ryans s Locations (CIPP) in Street on Lane Bluff Belleview 63rd Street 73rd Street 73rd Street 63rd Street 73rd Street 73rd Street 63rd Street 64rd Avenue 8alle Drive 64rd Avenue 8alle Drive 68rd Avenue 88rd Avenue 88rd Avenue 88rd Avenue 88rd Avenue 88rd Avenue	4	4200 Missouri Avenue 143 Racehorse Drive 800 Range Lane 800 Range Lane 810 Bond Avenue 219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 82nd Street 310 N. 73rd Street 927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	103, 51, 69, 130, 158, 121, 199, 58, 121, 116, 189, 96, 111, 212, 263,
orse Business Park ange Lane all (Front) 82nd Street John Drive Ryans 8 Locations (CIPP) in Street on Lane Bluff Belleview 63rd Street 73rd Street 73rd Street 61 Snows Market  dale 1. Zita Lane Drive 6widerd Avenue Salle Drive 10 Water Lane 10 mneth Street 10 arklane Drive 11 arklane Drive 12 arklane Drive 13 arklane Drive 14 arklane Drive 15 arklane Drive 16 arklane Drive 17 arklane Drive 18 arklane Drive	4	143 Racehorse Drive 800 Range Lane 5800 Bond Avenue 219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 83rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	51, 69, 130, 158, 121, 199, 58, 121, 116, 189, 96, 111, 212, 263,
ange Lane all (Front) all (Fro	4	800 Range Lane 5800 Bond Avenue 219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 230 N. 82nd Street 352 N. 82nd Street 352 N. 82nd Street 310 N. 73rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	69, 130, 158, 121, 199, 58, 121, 116, 189, 189, 181, 96, 111, 212,
all (Front) 82nd Street John Drive Ryans Is Locations (CIPP) In Street In Lane Is Buff Is Belleview 63rd Street 73rd Street f Snows Market  L. Zita Lane Drive dred Avenue Salle Drive Is Wert Lane menth Street arklane Drive alloran Street	4	5800 Bond Avenue 219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	130 158 121 199 58 121 116 189 189, 96 111, 212,
82nd Street John Drive Syans Is Locations (CIPP) In Street In Lane Bluff Belleview 63rd Street 73rd Street 73rd Street F Snows Market  Jale L. Zita Lane Drive dred Avenue Salle Drive Le Water Lane arklane Drive latklane Drive	4	219 N. 82nd Street 301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 83rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 121 199 58 121, 116, 189, 96, 111, 212, 263,
John Drive typans s Locations (CIPP) m Street on Lane Bluff Belleview 63rd Street 73rd Street 73rd Street 6 Snows Market  dale t. Zita Lane Drive dred Avenue Salle Drive ie Water Lane nneth Street arklane Drive alloran Street	4	301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 121 199 58 121 116 189 189 96 111, 212,
Ryans s Locations (CIPP) in Street in Lane Bluff Belleview 63rd Street 73rd Street 73rd Street f Snows Market  tale t. Zita Lane Drive Build Avenue Salle Drive Build Avenue	4	301 St. John Drive 5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	121 199 58 121 116 189 189 96 111 212
Ryans s Locations (CIPP) in Street in Lane Bluff Belleview 63rd Street 73rd Street 73rd Street f Snows Market  tale t. Zita Lane Drive Build Avenue Salle Drive Build Avenue	4	5800 Old Missouri Avenue Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 83nd Street 310 N. 73rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$	199 58 121 116 189 189 96 111 212
s Locations (CIPP) in Street in Lane is Bluff Belleview 63rd Street 73rd Street 73rd Street f Snows Market  L. Zita Lane Drive dred Avenue Salle Drive ie Water Lane menth Street arklane Drive alloran Street	4	Various 4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 327 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete		\$ \$ \$ \$ \$ \$ \$ \$ \$	58 121 116 189 189 96 111 212
In Street In Lane Bluff Belleview 63rd Street 73rd Street 73rd Street 7 Snows Market  Jale L. Zita Lane Drive dred Avenue Salle Drive Le Water Lane arklane Drive arklane Drive arklane Drive arklane Drive arklane Drive arklane Drive	4	4211 Pocket Road 239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 327 N. 63nd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete Complete Complete Complete Complete Complete Complete Complete		\$ \$ \$ \$ \$ \$ \$	121 116 189 189 96 111 212
on Lane Bluff Belleview 63rd Street 73rd Street 73rd Street 7 Snows Market  dale t. Zita Lane Drive dred Avenue Salle Drive ie Water Lane nneth Street arklane Drive alloran Street	4	239 Pfeiffer Road 320 N. 82nd Street 352 N. 82nd Street 352 N. 82nd Street 310 N. 73rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete Complete Complete Complete Complete Complete		\$ \$ \$ \$ \$ \$	116 189 189 96 111 212 263
Bulff Belleview 63rd Street 73rd Street 73rd Street f Snows Market  tale t. Zita Lane Drive Bulle Driv	4	320 N. 82nd Street 352 N. 82nd Street 327 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete Complete Complete Complete Complete		\$ \$ \$ \$ \$	189 189 96 111 212 263
Belleview 63rd Street 73rd Street f Snows Market  Jale t. Zita Lane Drive dred Avenue Salle Drive ie Water Lane mneth Street arklane Drive alloran Street	4	352 N. 82nd Street 327 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete Complete Complete		\$ \$ \$ \$	189 96 111 212 263
63rd Street 73rd Street f Snows Market  Jale t. Zita Lane - Drive dred Avenue Salle Drive ie Water Lane north Street arklane Drive alloran Street	4	327 N. 63rd Street 310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete Complete		\$ \$ \$	96 111 212 263
73rd Street 7 Snows Market  dale 1. Zita Lane Drive dred Avenue Salle Drive 1. Water Lane nneth Street arklane Drive alloran Street	4	310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete Complete		\$ \$ \$	96 111 212 263
73rd Street 7 Snows Market  dale 1. Zita Lane Drive dred Avenue Salle Drive 1. Water Lane nneth Street arklane Drive alloran Street	4	310 N. 73rd Street 6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete Complete		\$ \$ \$	111 212 263
f Snows Market  date t. Zita Lane Drive Gred Avenue Salle Drive ue Water Lane anklane Drive atklane Drive	4	6927 Old Missouri Avenue 5008 Market Avenue 36 E. Adams Drive 1301 St. Zita Lane		Complete		\$	212 263
Market  dale t. Zite Lane Drive dred Avenue Salle Drive ie Water Lane nneth Street arklane Drive alloran Street	4	5008 Market Avenue  36 E. Adams Drive 1301 St. Zita Lane			1	\$	263
dale t. Zita Lane Drive dred Avenue Salle Drive se Water Lane nneth Street arklane Drive alloran Street	4	36 E. Adams Drive 1301 St. Zita Lane	ш	Complete	Ш		
t. Zita Lane  Drive  dred Avenue  Salle Drive  ie Water Lane  nneth Street  arklane Drive  alloran Street		1301 St. Zita Lane	-		_	2	2.482.
t. Zita Lane  Drive  dred Avenue  Salle Drive  ie Water Lane  nneth Street  arklane Drive  alloran Street		1301 St. Zita Lane				<u> </u>	
t. Zita Lane  Drive  dred Avenue  Salle Drive  ie Water Lane  nneth Street  arklane Drive  alloran Street		1301 St. Zita Lane	Tic	Complete except Ameren Tie-in & Contract Closeout	П	\$	228
Drive  dred Avenue  Salle Drive  Be Water Lane  nneth Street  arklane Drive  alloran Street			H		++		
dred Avenue Salle Drive IIIE Water Lane IIIE Water Lane IIIE IIIE IIIE IIIE IIIE IIIE IIIE III		Cooper Drive	++	Complete by 1/31/25	++	\$	94
Salle Drive Je Water Lane Inneth Street Arklane Drive Alloran Street			Ш	Complete by 1/31/25	11	\$	111
e Water Lane nneth Street arklane Drive alloran Street		858 Mildred Avenue	Ш	Complete by 1/31/25	П	\$	331
nneth Street arklane Drive alloran Street		905 LaSalle Drive		Complete by 1/31/25	T	\$	127
nneth Street arklane Drive alloran Street		148 Blue Water Lane	T	Complete by 1/31/25	11	\$	79
arklane Drive alloran Street		126 Kenneth Street	+	Complete by 1/31/25	+	\$	176
alloran Street	101	1613 Parklane Drive	++	Complete by 1/31/25	++	\$	69
	+		+		+		
thite Street	-	1150 Halloran Street	11	Complete by 1/31/25	+1	\$	123
		4005 White Street	11	Complete by 1/31/25	1	\$	262
erome Lane	_	1689 Jerome Lane		Complete by 1/31/25	L	\$	1,070
arklane Drive		1716 Parklane Drive	П	Complete by 1/31/25	$\Pi$	\$	500
runkline		Levin Drive to Jerome Lane -	П	Complete by 3/31/25	$\Box$	\$	4,628
nica	-11	817 St. Monica Drive	$^{\dagger}$	Complete by 4/30/25	11	\$	280
Maud Drive		714 St. Maud Drive	H	Complete by 5/31/25	++	\$	189
			++		++		
wards Street (Rear)		148 Edwards Street (Rear)	Н-	Complete by 5/31/25	++	\$	57
dine Street		250 Nadine Street	ш	Complete by 5/31/25	11	\$	59
t. Margaret Drive		1134 St. Margaret Drive	Ш	Complete by 5/31/25	Ш	\$	85
wards Street (Side)		148 Edwards Street (Side)		Complete by 5/31/25	$\Pi$	\$	74
ry at St. Margaret		St. Henry at St. Margaret	П	Complete by 5/31/25	П	\$	25
ississippi Avenue		3807 Mississippi Avenue	+	Complete by 5/31/25		\$	126
lith Lane	$\rightarrow$	222 Judith Lane	+	Complete by 5/31/25		\$	137
t. Patrick Blvd.		1006 St. Patrick Blvd.	+			\$	79
			+	Complete by 5/31/25	-		
Ichard Drive		1120 Richard Drive	H	Complete by 5/31/25		\$	109
unkline		Jerome Lane to IL Rte 157	ш	Complete by 6/30/25		\$	1,500
and	Ш	5651 Lake Drive	LL	Complete by 11/4/25	Ш	\$	272
Laura	11	339 N. 63rd Street	П	Complete by 11/4/25	Ш	\$	277
reet	T	490 N. 73rd Street		Complete by 11/4/25	TT	\$	267
Oakland		456 N. 73rd Street (Rear)		Complete by 11/4/25		\$	267
			Н			\$	
Pershing		100 N. 75th Street	-	Complete by 11/4/25			267
Ames		7101 Ames Drive	ш	Complete by 11/4/25		\$	267
rive Pill Box		7100 Park Place (Rear)		Complete by 11/4/25		\$	262
olmes Pill Box		6951 Ames Drive		Complete by 11/4/25	IT	\$	257
Drive	$\rightarrow$	1001 Camp Jackson Road		Complete by 11/4/25		\$	592
Richard		1202 Richard Drive	1	Complete by 11/4/25		\$	257
			+			\$	252
gs Street		215 Hutchings Drive		Complete by 11/4/25			
s & Ellen		1201 Williams Street	-	Complete by 11/4/25		\$	257
s & Kay	$\rightarrow$	1227 Williams Street		Complete by 11/4/25		\$	252
		617 Range Lane		Complete by 11/4/25		\$	252
Street		210 Donald Street		Complete by 11/4/25	IT	\$	257
Blvd.		222 Miskell Blvd.		Complete by 11/4/25		\$	262
Clinton	$\rightarrow$	214 N. 75th Street	1	Notice of Award 12/23/24		\$	242
		3702 Falling Springs Drive	+	Notice of Award 12/23/24		\$	220
			+				
	$\rightarrow$		-				220
garet	-		1				220
		305 St. John Drive		Notice of Award 12/23/24			220,
	11	102 Superior Drive		Notice of Award 12/23/24	П	\$	220,
r	118	80 Lauralee Drive		Notice of Award 12/23/24	IT	\$	1,257,
r e Drive	-						562,
e Drive			+				204,
e Drive Lane	1.1.	74.1000		Notice of Americ 12/20/24			18,400,8
e Drive							
e Drive Lane			T	In Progress			13,000,
e Drive Lane tions		Carol Street to IL Route 15	1	Complete by 1/31/25			3,282,
e Drive Lane tions			_		_	*	16,282,0
e Drive Lane tions	-	3705 Market Avenue	Т	Pending County IGD Grant Award	П	\$	256,
e Drive Lane tions	Is						246,
a Drive Lane tions Vest unkline		5800 Bond Avenue (Rear)	+				502,0
3	Drive ane ions	Drive ane income	9 Hissrich Blvd.  1120 St. Margaret Drive 305 St. John Drive 102 Superior Drive 80 Lauralee Drive ane 2428 Renois Lane ons Various  Test Various  Carol Street to IL Route 15	9 Hissrich Blvd.  1120 St. Margaret Drive 305 St. John Drive 102 Superior Drive 80 Lauralee Drive ane 2428 Renois Lane various  Test Various  Carol Street to IL Route 15	9 Hissrich Blvd. Notice of Award 12/23/24  aret 1120 St. Margaret Drive Notice of Award 12/23/24  305 St. John Drive Notice of Award 12/23/24  102 Superior Drive Notice of Award 12/23/24  Drive 80 Lauralee Drive Notice of Award 12/23/24  Drive 80 Lauralee Drive Notice of Award 12/23/24  ane 2428 Renois Lane Notice of Award 12/23/24  ions Various Notice of Award 12/23/24  Fest Various In Progress  In Progress  nkline Garol Street to IL Route 15  Complete by 1/31/25	9 Hissrich Blvd. Notice of Award 12/23/24  aret 1120 St. Margaret Drive Notice of Award 12/23/24  305 St. John Drive Notice of Award 12/23/24  102 Superior Drive Notice of Award 12/23/24  Drive 80 Lauralee Drive Notice of Award 12/23/24  Drive 80 Lauralee Drive Notice of Award 12/23/24  ane 2428 Renois Lane Notice of Award 12/23/24  ions Various Notice of Award 12/23	9 Hissrich Blvd.

#### SUMMARY OF GRANTS SUPPORTING INFRASTRUCTURE IMPROVEMENTS IN CAHOKIA HEIGHTS

The City of Cahokia Heights is actively addressing critical infrastructure challenges with the support of significant grant funding. These efforts align with the city's commitment to enhancing public services, compliance with environmental standards, and promoting community resilience. Below is a summary of the grants secured and pending to date:

#### \$10 Million IEPA Grant

The city has obtained a \$10 million grant from the Illinois Environmental Protection Agency (IEPA) to upgrade its sanitary sewer infrastructure. This project aims to:

- Eliminate Sanitary Sewer Overflows (SSOs).
- Reduce system surcharges and backups.
- Minimize maintenance costs.
- Improve the reliability of wastewater services.

These upgrades will result in better wastewater flow management, regulatory compliance, and enhanced service quality for residents.

#### \$8.5 Million and \$6.5 Million DCEO Grants

The \$8.5 million and \$6 million grants from the Department of Commerce and Economic Opportunity (DCEO) will fund essential repairs to the city's water, sewer, and drainage systems. This critical investment will improve infrastructure reliability and efficiency, addressing long-standing issues in these essential services.

#### Other Pending Grants:

#### 1. \$20 Million Community Change Grant (Pending)

The city has applied for a \$20 million Community Change Grant to address environmental and climate inequities impacting disadvantaged areas. The proposed initiative will focus on:

- Combating legacy pollution and climate-related challenges.
- Implementing Climate Action and Pollution Reduction Strategies.

• Supporting localized, community-led projects to improve environmental, climate, and resilience outcomes.

This funding is intended to foster healthier, safer, and more sustainable neighborhoods by addressing systemic issues through collaborative efforts and strategic investments.

#### 2. \$12 million St Claire County Grant

The city has applied for \$12 million in Community Development Block Grant Disaster Recovery (CDBG-DR) funds through the St. Clair County. This grant will target stormwater flooding issues in Piat Place, providing critical improvements to reduce the impact of flooding and enhance infrastructure resilience.

#### 3. \$3 million IEPA GIGO Grant

The city has applied for \$3 million through the Green Infrastructure Grant Opportunities (GIGO)
Program. These projects focus on preventing, eliminating, or reducing stormwater runoff into
Illinois' rivers, streams, and lakes, contributing to improved water quality and environmental health.

#### 4. \$6 million DCEO Grant

The city has obtained \$6 million in funding through Illinois' Local Coronavirus Urgent Remediation Emergency (CURE) program and the American Rescue Plan Act of 2021 (ARPA). These funds, secured under Project No. AO230003, will support critical improvements to water, sewer, and broadband infrastructure, addressing essential needs and fostering long-term resilience.

#### 5. \$650,000 DCEO Grants

The city has also applied for the following additional funding:

- \$200,000 for costs associated with city infrastructure improvements, to be submitted under Project No. SD240055.
- \$300,000 for costs associated with city infrastructure improvements, to be submitted under Project No. SD240409.
- \$150,000 for costs associated with city infrastructure improvements, to be submitted under Project No. SD240050.

The City of Cahokia Heights remains committed to leveraging available resources to enhance infrastructure, protect the environment, and improve the quality of life for all residents.

## RAINFALL DATA FROM HURST-ROSCHE WEATHER STATION LOCATION: #5 Bank Square, East St. Louis, IL 62203

DATE	Rain Event (inches)	SSO
10/31/24	0.58	
11/3/24	0.42	
11/4/24	4.20	Υ
11/5/24	3.00	Y
11/9/24	0.65	Υ
11/13/24	0.62	
11/14/24	0.22	
11/18/24	0.29	
12/13/24	1.37	
12/17/24	0.17	
12/18/24	0.01	
12/20/24	0.01	
12/24/24	0.06	
12/25/24	0.15	
12/26/24	0.07	
12/27/24	0.20	
12/28/24	0.08	
12/29/24	0.28	
12/30/24	0.32	
12/31/24	0.11	

Appendix A: Early Action Capital Improvement Projects

January 2025 updates hilited

#### 1. Group 1 Projects

The below schedule includes a large number of individual projects. If schedule delays are caused by events or third parties outside of the City's control, the City may submit a request to EPA for a one-time extension per project of up to 90 days. The City must request an extension under this provision at least 30 days prior to the listed project deadline. Extensions under this provision, including the length of the extension, may be granted in EPA's sole unreviewable discretion, after consultation with the State. This provision does not affect the City's ability to seek relief under Section XI (Funding) or Section XX (Modification).

ure or to seek a r	modification to the a	pplicable schedule under Section I)	(Funding) or Section XX (Modification).				
					Estimated or Final Cost [final cost if		
					finished; estimated		
Project type	Location		Project Summary	Completion date		Anticipated funding source(s)**	January 2025 comments
	Replace Beachland		Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025	\$ 272,000.00	IEPA Grant	January 2023 Comments
	Replace 63rd Street		Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025	\$ 277,000.00	IEPA Grant	1
	Replace N. 73rd Street		Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025	\$ 267,000.00	IEPA Grant	1
		eet & Oakland Avenue	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025	\$ 267,000.00	IEPA Grant	1
					\$ 267,000.00	IEPA Grant	1
		eet & Pershing (LS#39)	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025	\$ 267,000.00	IEPA Grant	-
	Replace N. 71st Stre- Replace Park Place (		Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025 12/31/2025	\$ 262,000.00	IEPA Grant	4
Lift Station Re		(Willie Holmes Pill Box)	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/31/2025	\$ 257,000.00	IEPA Grant	-
Lift Station Re			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2025	\$ 592,000.00	IEPA Grant	1
			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA		\$ 257,000.00		-
Lift Station Re			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2025		IEPA Grant	4
Lift Station Re			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2025	\$ 252,000.00	IEPA Grant	-
Lift Station Re		liams Streets	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2025	\$ 257,000.00	IEPA Grant	4
Lift Station Re			Minor Rehab - new guide rails, level probes, control panel components & repairs, SCADA	12/31/2025	\$ 252,000.00	IEPA Grant	4
Lift Station Re			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2025	\$ 252,000.00	IEPA Grant	1
Lift Station Re			Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	12/31/2025	\$ 257,000.00	IEPA Grant	1
Lift Station Re	Replace Miskell Bou	ulevard	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	12/31/2025	\$ 262,000.00	IEPA Grant	
	The state of the s					City/St. Clair County	
Lift Station Re	Replace 82nd and Bl	luff	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main	2023	\$ 188,871.00	Intergovernmental Grant	
						City/St. Clair County	1
Lift Station Re	Replace 82nd and Be	Belleview	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main	2023	\$ 188,871.00	Intergovernmental Grant	
						City/St. Clair County	1
Lift Station Re	Rehab Pocket Rd		Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections	2023	\$ 103,000.00	Intergovernmental Grant	
E. Coudon No	- CONCERTO		The state of the s			City/St. Clair County	1
Lift Station P	Replace 42nd and M	// Aarket		2023	\$ 163,902.44	Intergovernmental Grant	I
LIIC STATION NO	replace 42110 allu IVI	Mainet	neplacement/major kenab - new wetwen, varve vaunt, pumps, control paner, varves, electrical connections, reneing	2023	\$ 103,302.44	City/St. Clair County	1
Life Canalina D.	Name of Minary	ri and 59th (Lady of the Snows)	Della	2022	c 212,000,00		
List Station Re	Replace Old Missour	ri and 59th (Lady of the Snows)	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing	2023	\$ 212,000.00	Intergovernmental Grant	1
			Lance to the second of the sec		4 400 457 70	City/St. Clair County	
Lift Station Re	Rehab Jackson St		Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections	2023	\$ 120,457.76	Intergovernmental Grant	-[
						City/St. Clair County	
Lift Station Re	Rehab Johnson Lan	ne	Full Rehab - new pumps, control panel, valves, guide ralls, level probes, electrical connections	2023	\$ 116,347.62	Intergovernmental Grant	1
						City/St. Clair County	
Lift Station Re	Replace Old Missour	ri Ave (Mary Ryans)	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main	2023	\$ 199,000.00	Intergovernmental Grant	
Lift Station Re	Rehab 53rd and Ma	1arket	Minor Rehab - new guide rails, level probes, control panel components & repairs	7/1/2026	\$ 246,000.00	TBD	not yet funded or applied for
Lift Station Re	Rehab 43rd & Tudo	or	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 256,000.00	EPA Community Change Grant	application under review, funds not yet approved
Lift Station Re	Rehab 56th & Russ	sell	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 256,000.00	EPA Community Change Grant	application under review, funds not yet approved
Lift Station Re	Replace Falling Sprin	ngs Rd (100 Block of Judith)	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
Lift Station Re			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
Lift Station Re		(Bruce Street)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
Lift Station Re		Credit Union)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
Lift Station Ne	teriab School St. (C	credit Officity	Turn tensor new puritys, control paner, varves, guide rans, lever prodes, electrical conflections, season	1/1/2020	3 240,000.00	Illinois Dept. of Commerce and	apprendion under review, runus not yet approved
Lift Station Re	Replace St. John Dr.	(DeBaul)	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	7/1/2026	\$ 220,000.00	Economic Opportunity	
					\$ 246,000.00		and lighting and as environ funds not not approved
Lift Station Re	Replace Edgar Street	et	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
					ese termina	Illinois Dept. of Commerce and	
Lift Station Re	tenab   Falling Sprin	ngs Rd. (Shack)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 220,000,00	Economic Opportunity	1
						Illinois Dept. of Commerce and	
Lift Station Re			Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 220,000.00	Economic Opportunity	
Lift Station Re	Replace St. Andrews	s Dr.	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
						Illinois Dept. of Commerce and	
Lift Station Re	teplace St. Margaret	et Dr.	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	7/1/2026	\$ 220,000.00	Economic Opportunity	]
						City/St. Clair County	1
Lift Station Re	Replace St. Monica D	Dr.	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	7/1/2026	\$ 280,000.00	Intergovernmental Grant	
Lift Station Re		State Lottery)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 246,000.00	EPA Community Change Grant	application under review, funds not yet approved
1			, , , , , , , , , , , , , , , , , , , ,	,		City/St. Clair County	
Lift Station Re	leplace 51st & Mark	ket	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing	7/1/2024	\$ 263,000.00	Intergovernmental Grant	
Life Station Re	STALOGIVIDIN		The state of the s	,,1,2027	200,000.00	City/St. Clair County	1
Lift Station Re	lenlace Fact Adams	Dr. (Bridgedale)	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing	7/1/2024	\$ 228,000.00	Intergovernmental Grant	
LINE SEALIOH RE	LEDIALE LEGIL AUGITIS	vi. (bilugeusie)	neprocententy major nenau - new wetwen, varve vants, pumps, control parier, varves, electrical conflictions, renting	7/1/2024	228,000.00	Illinois Dept. of Commerce and	1
			Le was to the control of the control	7/1/2025	C 233 660 00	-	I
Lift Station Re	tehab Superior Dr.		Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	7/1/2026	\$ 220,000.00	Economic Opportunity	-
					14 (140)	Illinois Dept. of Commerce and	I
Lift Station Re	teplace Lauralee & \	Violet	Replacement/Extensive Rehab - new wetwells, valve vault, pumps, control panels, valves, electrical connections, force main, SCADA	6/1/2026	\$ 1,257,000.00	Economic Opportunity	
						City/St. Clair County	
Lift Station Re	eplace 75th and Cli	inton	Replacement/Major Rehab - new wetwell, valve vault, pumps, control panel, valves, electrical connections, fencing, SCADA	12/1/2025	\$ 242,000.00	Intergovernmental Grant	County did not approve design until 8/2/24, 8 months later t
						City/St. Clair County	
Lift Station Re	ehab City Hall (rea	ear)	Minor Rehab - new guide rails, level probes, control panel components & repairs	12/31/2026	\$ 246,000.00	Intergovernmental Grant	
Lift Station Re			Minor Rehab - new guide rails, level probes, control panel components & repairs	7/1/2026	\$ 246,000.00	TBD	not yet funded or applied for
Lift Station Re		okia Rd. (VFW)	Minor Rehab - new guide rails, level probes, control panel components & repairs	12/31/2026	5 246,000.00		not yet funded or applied for
TELLE STRUUM RE			Minor Rehab - new guide rails, level probes, control panel components & repairs  Minor Rehab - new guide rails, level probes, control panel components & repairs	12/31/2026	\$ 256,000.00	TBD	not yet funded or applied for
		LADE	INVIDUAL BADAD - DAVIN VIDUA FAIR INTERIOR CONTROL DADEL COMPONENT AL FAIR INTERIOR DAVIN WHITE THE PROPERTY OF THE PROPERTY O	1 1775177076	250.000.00	IBU	indi ver ranged of audited for
Lift Station Re			Minor Rehab - new guide rails, level probes, control panel components & repairs	12/31/2026			application under review, funds not yet approved

Min Rehab - new gainer rails, certified profess, control panel components & repairs   17.91,2025   3.40,000.00   TRD		-	E		1 42/24/2026	210,000,00	TRD
UR Station Rehab	50	Lift Station Rehab	Greystone Dr. and Old Missouri Ave	Minor Rehab - new guide rails, level probes, control panel components & repairs	12/31/2026	\$ 246,000.00	TBD
If Station Rehab   Irrowne & Mousette (Station 5)   Micro Rehab - new guide rails, level probes, control part components & repairs   1/31/2006   \$ 472,000.00   T8D	51						
Sewer Repairs   S. Maud	52		The state of the s				
	53	Lift Station Rehab	Jerome & Mousette (Station 5)			Y	
	54	Sewer Repairs				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
19/1/2024   9.3.50.00   IEPA Grant	55	Sewer Repairs	N. 63rd Street				
Sewer Repairs   Cooper Drive   Replace 20 linear feet, Clean, TV 262 linear feet (USACE project has the CIPP)   10/1/2024   \$ 131,000.00   IEPA Grant	56	Sewer Repairs	N. 73rd Street	Replace 20 linear feet, Clean TV and CIPP 402 linear feet			
Sever Repairs   Content	57	Sewer Repairs	St. Zita Lane	Replace 30 linear feet, Clean, TV, CIPP 244 linear feet			
	58	Sewer Repairs	Cooper Drive	Replace 20 linear feet, Clean, TV 262 linear feet (USACE project has the CIPP)			
Sewer Repairs   Slue Water Lane   Replace 30 linear feet, Clean, TV, CIPP 283 linear feet   10/1/2024   \$ 78,870.00   IEPA Grant	59	Sewer Repairs	Mildred	Replace 513 linear feet	10/1/2024		
Sever Repairs   Sever Repairs   Sever Repairs   Replace 20 linear feet, Clean, TV, CIPP 334 linear feet	60	Sewer Repairs	LaSalle	Replace 40 linear feet, Clean, TV, CIPP 613 linear feet	5/1/2025	\$ 126,765.00	IEPA Grant
Sewer Repairs   Replace 20 linear feet, Clean TV CIPP 75 linear feet   10/1/2024   \$ 68,600.00   IEPA Grant	61	Sewer Repairs	Blue Water Lane	Replace 30 linear feet, Clean, TV, CIPP 263 linear feet	10/1/2024	\$ 78,870.00	IEPA Grant
Sewer Repairs   Halloran Street   Replace S0 linear feet, Clean TV, CIPP 309 linear feet   10/1/2024   5 123,380.00   IEPA Grant	62	Sewer Repairs	Kenneth Street	Replace 90 linear feet, Clean, TV, CIPP 334 linear feet	5/1/2025	\$ 176,385.00	IEPA Grant
Sewer Repairs   Halloran Street   Replace 50 linear feet, Clean, TV CIPP 309 linear feet   10/1/2024   \$ 123,380.00   IEPA Grant	63	Sewer Repairs	Parklane Drive	Replace 20 linear feet, Clean TV CIPP 75 linear feet	10/1/2024	\$ 68,600.00	IEPA Grant
Sewer Repairs Edwards Street (Rear Easement) Replace 30 linear feet, Clean, TV, CIPP 300 linear feet Replace 20 linear feet, Clean, TV, CIPP 300 linear feet Replace 30 linear feet, Clean, TV, CIPP 300 linear feet Replace 30 linear feet, Clean, TV, CIPP 300 linear feet Replace 30 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 50 linear feet, Clean, TV, CIPP 400 linear feet Replace 70 linear feet, Clean, TV, CIPP 400 linear feet Replace 70 linear feet, Clean, TV, CIPP 400 linear feet Replace 70 linear feet, Clean, TV, CIPP 400 linear feet Replace 70 linear feet, Clean, TV, CIPP 400 linear feet Replace 70 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 50 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 50 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Replace 50 linear feet, Clean, TV, CIPP 300 linear feet Replace 50 linear feet, Clean, TV, CIPP 300 linear feet Replace 50 linear feet, Clean, TV, CIPP 300 linear feet Replace 50 linear feet, Clean, TV, CIPP 300 linear feet Replace 50 linear feet, Clean, TV, CIPP 3	64	Sewer Repairs	Halloran Street	Replace 50 linear feet, Clean , TV CIPP 309 linear feet	10/1/2024	\$ 123,380.00	IEPA Grant
Sewer Repairs Nadine Street Replace 20 linear feet, Clean TV CIPP 170 linear feet  Replace 20 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 50 linear feet  Replace 50 linear feet, Clean, TV, CIPP 300 linear feet  Replace 50 linear feet  Replace 50 linear feet  Replace 50 linear feet, Clean, TV, CIPP 400 linear feet  Replace 50 linear feet  Replace 50 linear feet  Replace 50 linear feet, Clean, TV, CIPP 400 linear feet  Replace 50 linear feet  Replace 70 linear feet, Clean, TV, CIPP 400 linear feet  Replace 70 linear feet  R	65	Sewer Repairs	White Street	Replace 130 linear feet, Clean TV, CIPP 1026 linear feet	10/1/2024	\$ 261,570.00	IEPA Grant
Sewer Repairs   Nadine Street   Replace 20 linear feet, Clean TV CIPP 170 linear feet   Sewer Repairs   St. Margaret Drive   Replace 80 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Sewer Repairs   St. Margaret Drive   Replace 40 linear feet, Clean, TV, CIPP 660 linear feet   Sewer Repairs   St. Henry @ St. Margaret   Replace 40 linear feet, Clean, TV, CIPP 660 linear feet   Sewer Repairs   St. Henry @ St. Margaret   Replace 20 linear feet, Clean, TV, CIPP 400 linear feet   Sewer Repairs   St. Henry @ St. Margaret   Replace 20 linear feet, Clean, TV, CIPP 400 linear feet   Sewer Repairs   St. Henry @ St. Margaret   Replace 20 linear feet, Clean, TV, CIPP 400 linear feet   Sewer Repairs   St. Henry @ St. Margaret   Replace 20 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Sewer Repairs   Mississippi Avenue   Replace 20 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Sewer Repairs   Judith Lane   Replace 40 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Sewer	66	Sewer Repairs	Edwards Street (Rear Easement)	Replace 30 linear feet, Clean, TV, CIPP 350 linear feet	8/1/2025	\$ 57,000.00	IEPA Grant
Sewer Repairs St. Margaret Drive Replace 80 linear feet, Clean, TV, CIPP 300 linear feet Sewer Repairs Edwards (Side Easement) Replace 40 linear feet, Clean, TV, CIPP 400 linear feet Sewer Repairs St. Henry @ St. Margaret Replace 20 linear feet, Clean, TV, CIPP 400 linear feet Sewer Repairs Edgar Street Repairs Edgar Street Replace 70 linear feet, Clean, TV, CIPP 800 linear feet included with White St. repair (#65) \$1/2025 \$25,000,00   IEPA Grant Sewer Repairs Replace 30 linear feet, Clean, TV, CIPP 800 linear feet included with White St. repair (#65) \$1/2025 \$25,000,00   IEPA Grant Sewer Repairs Replace 30 linear feet, Clean, TV, CIPP 800 linear feet Sewer Repairs Patrick Blvd Replace 40 linear feet, Clean, TV, CIPP 360 linear feet Sewer Repairs St. Patrick Blvd Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Sewer Repairs Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Sewer Repairs Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Sewer Repairs Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Sewer Repairs Replace 30 linear feet Sewer Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Sewer Repairs Replace 40 linear feet, Clean, TV, CIPP 300 linear feet Sewer Replace 40 linear feet	67		Nadine Street	Replace 20 linear feet, Clean TV CIPP 170 linear feet	8/1/2025	\$ 59,000.00	IEPA Grant
Sewer Repairs Edwards (Side Easement) Replace 40 linear feet, Clean, TV, CIPP 660 linear feet  Replace 20 linear feet, Clean, TV, CIPP 400 linear feet  Replace 20 linear feet, Clean, TV, CIPP 400 linear feet  Replace 20 linear feet, Clean, TV, CIPP 400 linear feet  Replace 20 linear feet, Clean, TV, CIPP 300 linear feet  Replace 30 linear feet, Clean, TV, CIPP 300 linear feet  Replace 30 linear feet, Clean, TV, CIPP 300 linear feet  Replace 30 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 50 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 50 linear feet  R	68		St. Margaret Drive	Replace 80 linear feet, Clean, TV, CIPP 300 linear feet	8/1/2025	\$ 85,000.00	IEPA Grant
Sewer Repairs St. Henry @ St. Margaret Replace 20 linear feet, Clean, TV, CIPP 400 linear feet   Sewer Repairs   Edgar Street   Replace 70 linear feet, Clean, TV, CIPP 800 linear feet   IPPA Grant   Sewer Repairs   Sewer Repairs   Mississipid Avenue   Replace 30 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Judith Lane   Replace 40 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Judith Lane   Replace 40 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   St. Patrick Blvd   Replace 10 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs   Sewer Repairs   St. Patrick Blvd   Replace 10 linear feet, Clean, TV, CIPP 300 linear feet   Sewer Repairs					8/1/2025	\$ 74,000.00	IEPA Grant
Sewer Repairs   Edgar Street   Replace 70 linear feet, Clean, TV, CIPP 800 linear feet - included with White St. repair (#65)   8/1/2025   126,000,00   IEPA Grant	70			Replace 20 linear feet, Clean, TV, CIPP 400 linear feet	8/1/2025	\$ 25,000.00	IEPA Grant
Sewer Repairs   Mississippi Avenue   Replace 30 linear feet, Clean TV, CIPP 330 linear feet   Replace 40 linear feet, Clean, TV, CIPP 360 linear feet   Replace 40 linear feet, Clean, TV, CIPP 300 linear feet   Replace 40 linear feet, Clean, TV, CIPP 300 linear feet   Replace 40 linear feet   R	71			Replace 70 linear feet, Clean, TV, CIPP 800 linear feet - included with White St. repair (#65)	8/1/2025	\$ 172,388.00	IEPA Grant
Sewer Repairs Judith Lane Replace 40 linear feet, Clean, TV, CIPP 360 linear feet  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 10 linear feet, Clean, TV, CIPP 300 linear feet  Sewer Repairs Bond Avenue Replace 20 linear feet, Clean TV, CIPP 300 linear feet  Replace 20 linear feet, Clean TV, CIPP 300 linear feet  Replace 30 linear feet  Interim Alternatives Feasibility Study  Report 82nd Street Area  Report 82nd Street Area  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 30 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  Alternatives Feasibility Study  Report 82nd Street Area  Replace 40 linear feet, Clean, TV, CIPP 300 linear feet  Replace 20 linear feet, Clean TV, CIPP 300 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  To Evaluation  82nd Street Area  Report 82nd Street Area  Report 82nd Street Area  Report 82nd Street Area  Report 82nd Street Area  Replace 30 linear feet, Clean, TV, CIPP 300 linear feet  Replace 30 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  To Sewer Repairs  Replace 30 linear feet, Clean TV, CIPP 300 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  To Sewer Repairs  Replace 30 linear feet  Replace 30 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  To Sewer Repairs  Replace 30 linear feet  Replace 30 linear	72		Mississippi Avenue		8/1/2025	\$ 126,000.00	IEPA Grant
Sewer Repairs St. Patrick Blvd Replace 10 linear feet, Clean, TV, CIPP 330 linear feet  Sewer Repairs Bond Avenue Replace 20 linear feet, Clean TV, CIPP 185 linear feet  Replace 20 linear feet, Clean TV, CIPP 185 linear feet  Replace 30 linear feet, Clean TV, CIPP 300 linear feet  Interim Alternatives  Feasibility Study  Replace 30 linear feet, Clean TV, CIPP 300 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  3/8/2024 \$ 25,000.00 City Funds  City Funds  Report 82nd Street Area Schedule to implement the city's proposed alternative, upon EPA's approval.  Replace 30 linear feet, Clean TV, CIPP 330 linear feet  Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan date  7/31/2024 \$ 25,000.00 City Funds  City Funds  Report 82nd Street Area schedule to implement the city's proposed alternative, upon EPA's approval.  Report 82nd Street Area schedule to implement the city's proposed alternative, upon EPA's approval.  Report 82nd Street Area schedule to implement the city's proposed alternative, upon EPA's approval.  Report 82nd Street Area schedule to implement the city's proposed alternative, upon EPA's approval.  Report 82nd Street Area schedule to implement the city's proposed alternative, upon EPA's approval.			1	Replace 40 linear feet, Clean, TV, CIPP 360 linear feet	8/1/2025	\$ 137,000.00	IEPA Grant
Sewer Repairs   Bond Avenue   Replace 20 linear feet, Clean TV, CIPP 185 linear feet   Sewer Repairs   Howell Avenue & Ellen Street (Range Ln)   Replace 30 linear feet, Clean TV, CIPP 300 linear feet   Sewer Repairs   Howell Avenue & Ellen Street (Range Ln)   Replace 30 linear feet, Clean TV, CIPP 300 linear feet   Sewer Repairs   Replace 30 linear feet, Clean TV, CIPP 300 linear feet   Sewer Repairs   Sewer Repairs   Howell Avenue & Ellen Street (Range Ln)   Replace 30 linear feet, Clean TV, CIPP 300 linear feet   Sewer Repairs   Sew	_		St. Patrick Blvd	Replace 10 linear feet, Clean, TV, CIPP 330 linear feet	8/1/2025	\$ 79,000.00	IEPA Grant
Sewer Repairs   Howell Avenue & Ellen Street (Range Ln)   Replace 30 linear feet, Clean TV, CIPP 300 linear feet	75	+	Bond Avenue	Replace 20 linear feet, Clean TV, CIPP 185 linear feet	2023	\$ 132,000.00	City funds
Interim Alternatives Featulation Sexultation Figure 1				Replace 30 linear feet, Clean TV, CIPP 300 linear feet	8/1/2025	\$ 113,458.00	IEPA Grant
Featuration 82nd Street Area 3/8/2024 5,25,000.00 City Funds  Interim Alternative Feasibility Study  Report 82nd Street Area	-			Complete the interim alternative investigation in accordance with the plan submitted under the Revised Dry-Weather SSO Corrective Action Plan dated			
Interim Alternative Feasibility Study Report 82nd Street Area Implement Interim Report Implement Interim Report Report Implement Interim Report Report Implement Interim Report Report Implement Interim Report Report Report Implement Interim Report Report Report Report Report Implement Interim Report Rep	77		82nd Street Area		7/31/2024	\$ 25,000.00	City Funds
Feasibility Study 78 Report 82nd Street Area including the city's proposed interim alterative. The feasibility study report shall include cost estimates for all assessed alternatives and a detailed schedule to implement the city's proposed alternative, upon EPA's approval.    Implement Interim   Per EPA approved   P						Included in Interim	
Report 82nd Street Area schedule to implement the city's proposed alternative, upon EPA's approval. 8/30/2024 Evaluation City Funds Implement Interim Per EPA approved						Alternatives	
Implement Interim Per EPA approved  Characteristics  Per EPA approved	78		82nd Street Area		8/30/2024	Evaluation	City Funds
The second secon	1				Per EPA approved		
	79	1 '	82nd Street Area	Implement the selected alternative upon EPA's approval, in accordance with the approved schedule.	schedule	TBD	City funds

#### 2. Preliminary Group 2 Project Plan

Note: By December 31, 2024, Cahokia Heights shall complete and submit to EPA and IEPA, for review and approval, an updated Group 2 Project Plan, including a detailed list of projects under each category below. Cahokia Heights may propose, for EPA and IEPA approval, changes to the project categories and schedules provided below.

No.	Project category	Location	Project Summary	Completion date	Estimated Cost	Funding source(s)
140.	Clean, TV, CIPP	Location	Projectsonmary			
		II Rt 157 to Racehorse Drive	Clean, TV, and CIPP 15,300 linear feet	TBD*	\$ 3,300,000.00	FY 25 USACE & City
80	Lining	If Rt 157 to Racendrse Drive	Clean, IV, and CIPP 13,500 inteat feet	100	3,300,000.00	TT 23 OSMEE CORY
	East/West					
	Interceptor Prelim			12/24/2024	\$ 90,000.00	City funds
81	Design		** See below	12/31/2024	5 90,000.00	City lunus
						Illinois Dept. of Commerce and
						Economic Opportunity, FY 2023
						Congressionally Directed Spendin
						Expected 2025 Congressionally
	East/West	Along northern boundary of City, and south	5			Directed Spending, and EPA
82	Interceptor	along available right of way to trunkline	10 new pump stations, 4 modified pump stations, 41,000 linear feet of new force main, RR and highway crossings/borings	12/31/2028	\$ 13,415,000.00	
	New Controls and					Illinois Dept. of Commerce and
83	Telemetry (SCADA)	Lift Stations not included above in Group 1	new SCADA equipment, startup, training	12/31/2026	\$ 700,000.00	
_	Lift Station Rehab or					Illinois Dept. of Commerce and
84	Replace	305 St. John Drive (DePaul)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2026	\$ 220,000.00	Economic Opportunity
	Lift Station Rehab or					Illinois Dept. of Commerce and
85	Replace	3702 Falling Springs Rd. (Shack)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2026	\$ 220,000.00	Economic Opportunity
	Lift Station Rehab or					Illinois Dept. of Commerce and
86	Replace	9 Hissrich Blvd. (Singer)	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2026	\$ 220,000.00	Economic Opportunity
-	Lift Station Rehab or	This is a second of the second	The state of the property of the property of the state of			Illinois Dept. of Commerce and
27	Replace	1120 St. Margaret	Full Rehab - new pumps, control panel, valves, guide rails, level probes, electrical connections, SCADA	12/31/2026	\$ 220,000.00	Economic Opportunity
97	Lift Station Rehab or		The field of the purposition party surrow garden and series probably scalaring commencing persons			Illinois Dept. of Commerce and
00	Replace	102 Superior Dr.	Full Rehab - new pumps, control panel, vaives, guide rails, level probes, electrical connections, SCADA	12/31/2026	\$ 220,000.00	
00	replace	Tos aubenor pr.	Full neway - new partips, control parter, varies, Burde tails, level probes, electrical conflections, Jewsey	12,01)2020	10 220,000.00	

\* The Parties understand that the City has submitted funding requests for the cleaning, televising, and lining of the trunkline project in partnership with the U.S. Army Corps of Engineers. If such funding requests are legislatively approved, one or more components of the trunkline project may be constructed or managed by the U.S. Army Corps of Engineers shall not be subject to the requirements of this Consent Decree.

#### \*\* East/West Interceptor

The City shall complete preliminary design for an interceptor sewer to redirect flow from neighborhoods currently discharging to the sewer system owned by the City of East St. Louis. The project, conceptually, would consist of multiple new pump stations to intercept flows currently draining via gravity lines north into East St. Louis' sewer system, new force mains from these new pump stations to redirect these intercepted flows to the south into Cahokia Heights' sewer system, and modifications to existing pump stations in the Cahokia Heights system to accept the increased flows. By December 31, 2024, the City shall submit to EPA and the State for review and approval the preliminary design and proposed plan for construction of the interceptor sewer, including interim deadlines. The Parties understand that the City has submitted funding requests for the interceptor project in partnership with the U.S. Army Corps of Engineers. If such funding requests are legislatively approved, one or more components of the interceptor project constructed or managed by the U.S. Army Corps of Engineers shall not be subject to the requirements of this Consent Decree. Subject to the Adaptive Management provisions of Paragraph 43 of the Consent Decree, the City shall construct all other components of the interceptor, by December 31, 2028. The City shall meet the deadlines in this paragraph regardless of whether the

not yet funded or applied for not yet funded or applied for not yet funded or applied for not yet funded or applied for

delayed by relocation of Ameren overhead power line

delayed by relocation of Ameren overhead power line

Consent Decree has been entered by the Court and once the Consent Decree has been entered, shall be subject to stipulated penalties if it failed to meet the deadline.

#### 3. Implementation of the Revised Targeted Dry-Weather SSO Corrective Action Plan, dated June 2024

Cahokia Heights shall complete implementation of the remaining actions required under the June 2024 Revised Targeted Dry-Weather SSO Corrective Action Plan is included as Attachment 1 to this Appendix.

			4. Other Projects							
Sewer p	r projects in Cahokia Heights implemented by other parties and included as information only.									
	Project type	Location	Project Summary	Completion date	Estimated Cost	Funding source(s)				
						Federal Congressional Spending				
	Clean, TV, CIPP Lining	Levin Drive to Jerome & Mousette Ln	US Army Corps of Engineers	6/1/2025	\$ 5,500,000.00	Request, City, IEPA				
	Clean, TV, CIPP									
	Lining	Jerome Lane to IL Rt 157	Clean, TV, and CIPP 5600 linear feet	TBD	\$ 1,400,000.00	FY 24 USACE & City				

\*\*NOTE: For Funding Sources listed as TBD, the city plans to continue to pursue funding from available local, state, and federal sources. These sources include, but are not limited to:

Congressionally Directed Spending Allocations

FEMA BRIC Grants

FEMA Flood Mitigation and Disaster Recovery Grants

TCTAC Technical Asistance Grants

State of Illinois Budget Appropriations

State of Illinois DCEO Grants

State of Illinois SLRF Loans

St. Clair County CDBG Grants

Local TIF Funds

City Water & Sewer Dpeartment Operating Budget Funds

## IN THE UNITED STATES DISTRICT COURT FOR THE SOUTHERN DISTRICT OF ILLINOIS

UNITED STATES OF AMERICA,

and

THE STATE OF ILLINOIS,

Plaintiffs,

v.

CITY OF CAHOKIA HEIGHTS, ILLINOIS,

Defendant.

**CONSENT DECREE** 

APPENDIX B

### CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5 ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### PREPARED BY



5 Bank Square East St. Louis, IL 62203 (t) 618.398.0890

www.hurst-rosche.com

August 2022 Latest Revision – June 2024

#### TABLE OF CONTENTS

Title Page	1
Table of Contents	2
Executive Summary	3
Background and History	4
SSO, Sewer Backup, and Drainage Areas	5
System Evaluation and Assessment Description	9
Financing	15
Schedule	15
Cost	15
Attachments	16

#### **EXECUTIVE SUMMARY**

The City of Cahokia Heights, newly formed from consolidation of the former communities of Alorton, Centreville and Cahokia, plus the Commonfields of Cahokia Public Water District, is located in the southwestern portion of St. Clair County, IL, and in the region known as the American Bottoms. The Bottoms are a floodplain of the Mississippi River, between the current east riverbank and the line of limestone bluffs more or less parallel to Illinois Rt. 157, being part of the ancient riverbed, protected from surface water flooding by riverfront levees and interior levees and drainage canals, but subject to frequent groundwater flooding from seasonal precipitation and river level surcharges.

This plan, designed to describe investigative steps to be taken to identify and better understand the causes of sanitary sewer overflows (SSO's) during wet weather, and related sewer backups and pump station failures, will detail how the problem areas, probable causes of the SSO's, characteristics of the sewer system in these areas, and potential corrective actions can be identified, outlined and planned for corrective actions later.

#### **BACKGROUND AND HISTORY**

The City of Cahokia Heights was formed through a series of elections, consolidations, and dissolutions from the former communities of Centreville, Alorton, and Cahokia, along with the sewer and water systems owned and operated by the Commonfields of Cahokia Public Water District, in early 2021. Prior to that time, these former municipal entities had tried for decades, unsuccessfully, to keep up with needed operation and maintenance needs, combatting frequent flooding disasters, causing millions of dollars of damages to infrastructure, along with a dwindling tax base and limited annual funds to keep operating. With the consolidation of the former communities into Cahokia Heights, and the combined new population of over 20,000 residents, an increased tax base, economies of scale, increased eligibility for state and federal funds, and similar benefits, the City is better positioned to seek funds as well as operate and maintain systems, once the needed repairs and upgrades are addressed.

The City now owns and operates a sanitary sewer collection system consisting of 90 of miles of gravity sewer, 69 pump stations/lift stations, and force mains, all designed to convey sewage from residents and businesses in the City to a large pump station, which the pumps the discharge to the regional wastewater treatment plant (WWTP), known as the American Bottoms Regional Wastewater Treatment Plant, in adjacent Sauget, Illinois. The number of pump stations and lift stations is significant, and could be considered a contributing factor to the difficulty of operations and maintenance (O&M) of the system. These pump stations, many at least 50 years old, are so numerous and necessary because of the very flat topography in the Bottoms region. This floodplain of the Mississippi River is protected from surface water inundation by riverfront and interior levees and interior drainage ditches and canals, but is susceptible to periodic and seasonal groundwater flooding from rising river levels, which saturate the floodplain from underneath, and raise groundwater levels accordingly. The rise and fall of these groundwater levels plays havoc with the sewer infrastructure, frequently causing infiltration, subsidence, blockage of flow, sewer line failure, and backups and overflows.

In addition, because of the flat topography, and the surface water runoff that accumulates from rainfall within the city and from surrounding higher areas draining into the city, surface water can often pond and accumulate in low or poorly drained areas. This water can then find its way into the sewers via traditional infiltration and inflow (I/I) pathways, such as open manholes, manhole lifting holes, access hatches on pump stations, and open cleanouts. In addition, drainage into the ground via infiltration, often combined with higher groundwater elevations caused by the nearby Mississippi River levels, can create surcharged groundwater conditions, contributing to infiltration through open pipe joints and sewer breaks.

These I/I processes can bring with the water, soil and sand to further interrupt sewer flows and cause backups and blockages, pump failures, etc. This plan will outline the investigative steps needed to identify these conditions and prioritize them into a plan for future correction actions.

The findings and compliance orders issued by the USEPA as part of the Administrative Order on Consent (hereinafter the "AOC") on August 16, 2021, resulted from several inspections of the area and sewer systems owned and operated by the City's predecessors from early 2021, prior to the incorporation of the new City. The City entered into the Consent Order with EPA, which, among other stipulations, requires investigative and action plans to address sanitary sewer overflows (SSO's) and other system deficiencies, to ensure compliance with the Clean Water Act.

#### KNOWN SSO, SEWER BACKUP AND DRAINAGE AREAS

The City has identified, through past years of reported and observed problems, nineteen (19) main areas of known SSO, sewer backup, and surface water drainage issues. These areas are marked on the map included as Appendix A, and in maps included in Appendix F, and are listed below:

Area 1 - Ping Pong - This neighborhood, bounded by IL Rt 157 on the east, Lake Drive on the south, the Metro East Sanitary District's Canal No 1 on the west, and the City boundary (formed by the old Belleville and St. Louis Electric Railroad ROW, known locally as the "Dayline Railroad") on the north, is well known and documented for its local drainage problems, and also for known dry weather SSOs from an open sewer lateral cleanout at N. 82<sup>nd</sup> Street. The area is directly downstream of surface water runoff from the adjacent bluffs that discharge under IL Rt 157 and into the neighborhood. This water is intended to be carried by local ditches into the Metro East Sanitary District's Canal No. 1, but these local ditches no longer work according to their original design purpose, for several reasons, including lack of funds for maintenance, increased development and runoff from upland areas, deterioration of roadway ditches and culverts, etc., although the City is currently in the process of cleaning some of these ditches out to restore positive drainage.

The impact of these drainage problems is deterioration of pavements and roads, inundation of private lands and homes, and I/I into the sewers. In addition, as this area is currently tributary to the East St. Louis City sewer system, which is, in part, a combined storm and sanitary system. It is also subject to sewer backups during times of heavy rains, I/I, and/or pump station issues downstream, all of which are beyond the City's control.

The City completed replacement of two pump stations in this neighborhood in 2023 — at N 82nd St. and Belleview Ave., and at N. 82<sup>nd</sup> St. and Bluff Ave. These projects helped resolve some of the SSO occurrences at N. 82<sup>nd</sup>. However, the stations have been hindered at times from backups from the East St. Louis system to the north, preventing effective pumping occasionally.

Area 2 - Parkside East - This area, just east of the City of East St. Louis' Parkside neighborhood, is bounded roughly by Parkside (and Harding Ditch) on the west, Canal No. 1 on the east, the Dayline RR ROW on the north, and Lake Drive on the south. The area drains poorly and is subject to inundation during heavy rains. In addition, as this area is also currently tributary to the East St. Louis City sewer system, it is also subject to sewer backups during times of heavy rains, I/I, and/or pump station issues downstream.

Area 3 - Piat Place - This area is bounded by 59th Street (aka Kingshighway) on the west, the City boundary on the north, I-255 and its associated embankment on the east, and Lake Drive on the south. Like the first two areas, it has similar issues and similar causes and effects.

Area 4 - 1-255 East - Located just west of the Touchette Regional Hospital campus, it is bounded by Market and Bond Ave. on the north, the hospital and adjacent City park on the east, Central Ave. and a large vacant tract on the south, and I-255 and its high embankment on the west. The area drains poorly and has no apparent surface water outlet at the present time.

Area 5 - Bridgedale Subdivision - Located at the southern end of the City, between IL Rt 157 and the levees of Harding Ditch, this area drains poorly and relies on outfalls of local ditches into Harding Ditch to the south, and into Goose Lake Ditch to the north, which in turn drains into the Blue Water Ditch, which is tributary to the Metro East Sanitary District (MESD) South Stormwater Pump Station nearby, and to the Prairie du Pont Creek further downstream. When the Mississippi River rises, causing backflow into Harding and Blue Water/Goose Lake, and/or when local rains cause these local ditches to surcharge, there is no outlet for the surface water from Bridgedale.

Area 6 - Falling Springs - At the northwest corner of the City, near its northern border with Sauget, this area is bounded by Dead Creek and IL Rt 3 on the west, and by Upper Cahokia Road on the east, and features low-lying areas between these highways with surface water becoming trapped therein, and ponded in and around the old remnants of Dead Creek on both sides of Falling Springs Road.

Area 7 - DePaul Gardens - Along the south edge of the City, bounded roughly by IL Rt 157 on the north, the Blue Water Ditch on the south, the City Park and Prairies Golf Course on the west, and I-255 on the east, this area contains some drainage issues, but more importantly a handful of pump/lift stations scheduled for repair, along with a few sewer breaks and bypass pumping operations, the cause of one reported SSO in 2022. All of the repairs to these stations and sewer breaks are scheduled to be done in the next 2-3 years as part of the Illinois Environmental Protection Agency (IEPA) Bureau of Water grant, which is discussed in more detail in the next section.

In addition to surface water drainage issues, the above 7 areas all contain sewer problem areas as well, including sewer breaks, reported backups, and pump/lift station issues. See sewer map of these areas included as Appendix G. As a result of these two coinciding, and interrelated problems, these seven areas will be the starting pointand focus of the investigation plan going forward, and as further described herein.

These areas encompass all of the known repeated, or "chronic" as termed in the AOC, SSO areas that are part of the AOC, with the exception of sewer backup complaints and other service issues reported in the following additional areas:

Area 8 - Parkside South - The area is bonded by the City boundary and Parkside subdivision (roughly at Ames Drive) to the north, I-255 to the west, 72nd St. to the east, and Lake Drive to the south. The area has similar issues to Area 2 to the east.

Area 9 - Signal Hill - This is an area separated significantly from the rest of the City, bounded by IL Rt 157 on the west, W Main St. on the north, and Foley Drive on the south. It is also topographically different than the rest of the City, as this neighborhood site on top of the bluffs that form the western edge of the city of Belleville, and which contribute a large portion of the surface water runoff to the Ping Pong neighborhood (Area 1) below and to the west. Sewer issues in this area are believed to be primarily related to a failing pump station at Superior Drive, as opposed to the typical drainage and I/I issues elsewhere, but will be investigated throughout nonetheless.

Area 10 - Old Missouri Ave - An area bounded by II Rt 15 on the north, I-255 on the west, and the Norfolk Southern RR on the south. The area is flat, with little surface water drainage infrastructure, and also contains two pump stations scheduled for repair.

Area 11 - I-255 West - Bounded by I -255 to the east, Old Missouri Ave. to the north, 47th St. to the west, and Tudor Ave. to the south. Similar to Area 10, this area is flat and poorly drained. It contains two pump stations scheduled for repairs and one sewer break along Bond Ave.

Area 12 - IL 163 & II 157 - Bonded by the N&S RR to the north, Harding Ditch to the east, 58th St. to the west, and the Kansas City Southern RR to the south, the area is sparsely populated but does include two pump stations scheduled for repairs.

Area 13 - Lauralee & Violet - The area around Lauralee and Violet Avenues, where two existing lift stations are scheduled for replacement, along with new force main and abandonment of an existing failing sewer reach.

This project is not yet in final design phase, and is part of the schedule of the implementation of funds from the current grant from IEPA for \$10 million dollars for sewer improvements. This grant is known as the City of Cahokia Heights, IEPA, Wastewater Collection and Transport Infrastructure Rehabilitation and Restoration Project (IEPA Grant). It is anticipated that as part of this work, the scope will include:

- One pump station at Lauralee to replace the two failing existing stations
- One new pump station at Renois Blvd. to intercept existing gravity flows
- New force main along Renois Blvd. to the existing sewer to the south
- Abandonment of the existing sewer across the open field between Renois and Lauralee
- Associated repair and investigative work, including cleaning, CCTV, CIPP, and proper abandonment of existing lines and structures
- Inclusion of a flow meter at the Lauralee station to monitor flow conditions for clean water sources and volumes

Area 14 - Delores & Louise - Bounded by Carol St. to the northeast, IL Rt 157 and Harding Ditch to the southeast, Mousette Lane to the northwest, and Delano Drive to the southwest, the area is somewhat locked in between the major highways, with no main drainage feature. It drains into the main trunkline to the south and west, which feeds into a large pump station at Jerome and Mousette scheduled for repairs.

Area 15 - Marseilles & Fleur de Lis - A relatively new development adjacent to Jerome Lane, between Paris Avenue and IL Rt 157/Mousette Lane, the area is not known for drainage or sewer issues, and will be investigated to determine the source of backup complaints. It does feature one of the two pump stations on the trunkline on Jerome Lane schedule for repairs, but it is not known to have issues associated with this station.

Area 16 - Range Lane - This area has numerous sewer repair issues. It is an area on both sides of Range Lane, bounded by the Union Pacific RR to the west, Paris Ave. to the east, Jerome Lane to the north, and IL Rt 157 to the south. The main trunkline does weave its way through this area as it works its way south and west, and there are 5 pump stations and 4 known sewer breaks scheduled for repairs here. In addition, sewers in this area serve the main campus of Cahokia High School.

<u>Area 17 – Donald St. – This small, self-contained area is bound by IL Rt 157 on the north, Price St. on the south, the UP RR on the west, and Miskell Blvd on the east. Drainage would appear to be achievable to the RR ditch to the west, and to the City Park lake to the east, but may not be served by adequate drainage features to achieve this. In addition, the area contains two pump stations and one sewer break scheduled for repairs.</u>

<u>Area 18 – St. Monica – The area is bounded by E. 5<sup>th</sup> St. on the north, the UP RR on the east, and IL Rt 3 on the west. It also appears to be capable of draining to the RR ditch to the east and IL Rt 3 to the west, but is poorly served by stormwater infrastructure. Sewers in this area drain to the trunkline running in E. 5<sup>th</sup> St. There is one pump station to be repaired and one related sewer break in St. Maud Ave.</u>

<u>Area 19 – Water St. East</u> – Bounded tightly by IL Rt 3 and its embankment on the east, Water St. and its embankment on the west, St. Lambert Dr. on the north, and a cutoff section of the Blue Water Ditch on the south, this low lying area simply suffers from its boundaries hemming in drainage. It includes a pump station and related sewer break scheduled for repairs in St. Margaret Dr.

In addition to the above areas, the AOC addresses SSO's at an existing pump station behind the small motels on Missouri Avenue at Pocket Rd. This station has been rehabbed, with completion of the project during early 2023. This work, which has resolved this SSO, included:

- New pumps and controls
- New valves and rails and access controls

#### COLLECTION/CONVEYANCE SYSTEM AND PUMP STATION EVALUATION & ASSESSMENT

It should be further noted that the City, and Hurst-Rosche, working with state and federal EPA officials, have already identified work to repair, replace, and rehab the City sewers and lift stations across the entire system, as detailed in the grant recently finalized with the IEPA Bureau of Water entitled Wastewater Collection and Transport Infrastructure Rehabilitation and Restoration Project. This grant followed a similar, yet unsuccessful effort in 2019 to secure funds from FEMA under the Building Resilient Infrastructure and Communities (BRIC) program.

This IEPA grant, for approximately \$9.98 million dollars, will address the following scope of work:

- 22 known sewer break repairs (comprising all known breaks as of this time)
- 35 pump station rehabs (of the total system amount of 69 stations)
- 17,000 lineal feet (LF) of cured in place pipe (CIPP) (aka "slip lining") of the main trunkline
- Needed equipment for the water and sewer department
  - o Backhoe with breaker attachment
  - o Portable trash pumps
  - o Closed circuit televising (CCTV) rig

In addition, more state and federal funds of approximately \$30 million dollars to date have been earmarked, budgeted, requested, announced, or otherwise dedicated (but not yet finalized) to work to repair and restore the City's water and sewer infrastructure. See attached summary as Appendix B. Among the work to be included in the use of these additional funds are:

- · Remainder of the main trunkline CIPP slip lining
- Two interceptor sewer systems (new sewers, pump stations, and force mains) to remove the northern areas from the East St. Louis combined sewer system, and instead feed into the newly repaired and lined City main trunkline
- · Drinking water system capital improvements
- Piezometer installation and groundwater modeling (in association with the United States Geological Survey (USGS))

In addition to the above, the City has continued or already begun the work to make needed repairs to the system, as they have always done, on a funds-available basis each year. The status of work either recently completed or currently in progress is shown on the summary included as Appendix C.

The point of all of the above discussion is to outline that much of the investigative work to determine and prioritize the work and projects to repair the system and protect against future SSOs and backups has either already been done or is under way, albeit somewhat reactively, not altogether proactively. The sheer numbers of repair/rehab/replacement projects detailed above, and the location of these spread throughout the City's sewer system, represents a detailed roadmap of areas needing attention, in addition to the known SSO's that are part of the regular recordkeeping and reporting process required by the AOC, and included as part of the current Capacity, Management, Operation, and Maintenance Program (CMOM) approved by the EPA in 2023.

While this hands-on information on sewer conditions was not perhaps generated through the normal investigative methods (i.e. flow monitoring, CCTV, smoke testing, etc.), it does represent real time and accurate information on sewer conditions throughout the system. It is well known where the major issues exist, and plans are in place to take corrective action to address the issues. As such, the first priority and step in the investigation and analysis process outlined herein will be the completion of the needed repair work, which will include investigative steps that will indicate if additional actions are needed in adjacent and tributary areas.

For example, the normal scope of work for any of these local repairs involving removal and replacement of sewer lines, pump/lift station structures, and similar work would involve some or all of the below work items:

- Mobilization
- Traffic Control & Protection
- Clearing
- Dewatering
- Care-of-Flow
- Remove Existing Pumps, Panel, & Appurtenances
- Remove Existing Wetwell
- Clean Existing Wetwell
- Install New Wetwell
- Install New Valve Vaults
- Install New Pumps, Panels, & Appurtenances
- Install New Force Mains and Valves
- Construct New Gravity Sewer Line
- Trench Backfill
- Clean & Televise Existing Sewer
- Install CIPP Liner as Required
- Concrete Curb & Gutter
- Concrete Driveway
- Hot Mixed Asphalt (HMA) Pavement
- Concrete Sidewalk
- Fencing
- Seed & Mulch

In addition to the work outlined above throughout the City system, the three known SSO areas cited in the AOC, (82<sup>nd</sup> St., Lauralee & Violet, and Pocket & Missouri) are each addressed in detail in both the approved Dry Weather SSO Investigation Plan, and the Dry Weather SSO Corrective Action Plan approved by EPA. The Dry Weather SSO plans detail the areas upstream of the known, reported, and cited SSO's to receive smoke testing and CCTV investigation, to determine of further action is needed to address I/I clean water sources entering the sewers in these areas.

Nonetheless, in response to the requirements outlined in the Administrative Order on Consent, this plan will outline additional steps to be taken to further identify problem areas, and to work in conjunction with planned repairs to bolster the system against future deterioration and impacts from surface and groundwater I/I, and prevent wet weather SSO's. These additional steps will be taken in each of the 19 areas known or suspected to be impacted by poor surface water drainage as a potential cause of inflow, and/or reported sewer backup issues.

As groundwater monitoring information is obtained from the program currently in progress though a cooperative effort between the US Army Corps of Engineers, the USGS, and the City, additional areas may be added as potential sources of groundwater infiltration.

In addition, as repairs are made across the system over the next three years, and information is obtained through construction observation, dewatering installations, and other information from construction activities, additional areas may be added to the initial areas.

The following additional activities will help the City assess and prioritize additional needs of the sewer system in the study areas, according to the process flow chart for assessment included as Appendix D:

#### Visual Inspections -

Manholes in areas where sewer breaks are to be repaired, or upstream of pump stations being repaired/replaced, will be inspected as part of that work. See attached Manhole Inspection Report in Appendix E. In addition, the City, (via Hurst-Rosche records) possesses a complete library of manhole inspection reports from the last SSES investigation performed by Hurst-Rosche, in conjunction with Russell & Axon, Inc. in 1982. Virtually every manhole in the City system was individually inspected and a report generated. While this information is somewhat dated, it does form a baseline of data on which to determine conditions and age of the manhole inventory. This information, which is quite voluminous, is available for inspection by EPA upon request, and will be utilized as reference material for new inspections as part of this plan.

#### Flow Monitoring -

Acoustic inspection of flow between manholes utilizing sonic technology such as products and equipment produced by Infosense, or similar, will be employed as dictated by results of construction and repair work, to determine specific reaches of sewer line experiencing reduced flow or backups, and target these reaches for further investigation via CCTV work to pinpoint repairs needed.

In addition, planned and future pump station replacements or significant rehabilitation projects will include ultrasonic, electronic, or other flow metering to provide an indication of increased flow from I/I sources during wet weather times. This data may also be included in a SCADA system for the sewer system, at some future date. Because the City system includes 69 pump stations, including at least one station in each of the known drainage problem areas, this technology could be considered primary and essential to recording and predicting problems with I/I. Locations of these pump stations, as well as sewer breaks, and general layout and location of the City's sewer system are provided for general information in Appendix G.

#### Groundwater Monitoring -

As mentioned above, The City and Hurst-Rosche are currently working with the US Army Corps of Engineers and the USGS to locate and install piezometers throughout the area, for the purposes of both aiding hydrogeologic study and modeling that the USACE is performing, and as an investigative and information tool to be used by the City to help analyze and predict sewer areas subject to groundwater pressures and potential infiltration. This information, along with real-time information from dewatering wells and excavations as part of sewer break repairs and lift station replacements throughout the City will provide valuable information on sewers needing additional protection against clean water infiltration. Fifteen of these piezometers were installed during 2023, and readings are taken approximately twice per year by the USGS.

#### Smoke Testing -

Smoke testing of sewers adjacent to and tributary to repair areas, one of the priority areas, or areas in which flow monitoring indicates large volume fluctuations, would be conducted in order to identify the presence of potential infiltration and inflow sources such as broken cleanouts, improperly abandoned lots and structures, etc. Following this testing, order and priority of CCTV and repair work could be adjusted accordingly.

#### CCTV -

As mentioned above, 22 sewer breaks will be repaired as part of the scheduled and funded IEPA project. Part of these repairs include cleaning and CCTV work of the completed repair in each location. In addition, should the above steps indicate that a potential blockage or other obstruction exist in a sewer reach tributary to this area, cleaning and televising of that reach would be scheduled as both an investigative and preventative measure. See Appendix F for more information on scope and cost of this work.

Beyond the scheduled repairs, a more long-term schedule of CCTV work will be developed during and after the major repair work to log and identify additional potential future problem reaches of sewer. It is anticipated that these additional sewers would be scheduled and prioritized based on the following criteria

- Areas with known repeated SSO/backup complaints
- Areas discovered during repair work
- Areas with sewers having the deepest elevations (i.e. subject to the greatest infiltration pressure from elevated groundwater levels)
- 4. Sewers located within any of the 19 drainage problem areas
- Sewers with the largest amount of flow and/or the greatest number of tributary households and businesses

#### Special Field Investigation of Ping Pong - Area 1

In addition to the above planned activities, special field investigation of sewers downstream of the known SSO location at N 82<sup>nd</sup> Street, and its associated pump stations, was conducted during early 2023. These investigation activities included manhole location and inspection, , flow observation, and other tools to identify possible causes of backups and surcharging of the Ping Pong sewers, and specifically the cause of the 82<sup>nd</sup> St. SSO. It is reported by City and IEPA personnel from past incidents, the downstream sewer surcharging of the East St. Louis system has caused backups and surcharging of the City of Cahokia Heights sewers in the Ping Pong/82nd Street area. It is suspected that these conditions are caused, at least in part, by I/I into the East St. Louis system, restricting capacity of the Cahokia Heights sewers to flow into that system. Initial field work during January 2023 confirmed the presence of surcharged conditions in the East St. Louis system downstream of Cahokia Heights, particularly adjacent to Area 1 – Ping Pong, Area 2 – Parkside East, and Area 3 – Piat Place.

These two conditions (heavy rainfall and high groundwater levels) have historically overlapped during the late spring and early summer. Meanwhile, the City has been cooperating, as discussed above, with the USGS to locate and install permanent piezometers in the region, as a means of gathering groundwater level data. These piezometers were installed in November and December 2022, and details of reading and recording are being worked out with the USGS at this time. In any case, the system will be available during the spring/summer wet weather season, and so should be able to provide valuable groundwater data to assist in field investigations.

The contract work to replace the two failed existing and bypassed pump stations on N. 82<sup>nd</sup> St. was completed in October 2023. Completion of this work eliminated several causes of backups and SSOs in Ping Pong and along N. 82<sup>nd</sup> St., including bypass pump failures, clogged pumps, station power outages, and similar conditions.

Finally, the City has agreed to contract with Hurst-Rosche to undertake a process to evaluate alternate locations for the SSO at N. 82<sup>nd</sup> St., where less sensitive and extensive exposure to the environment could occur. Any alternate locations will be proposed to the EPA in a draft plan for approval prior to implementation.

#### Recordkeeping -

As discussed in each of the sections above, reports are generated by each process, and records of these reports will be maintained at the City Water and Sewer Department offices.

#### **FINANCING**

Financing of major contracted work and necessary O&M equipment will be funded by a combination of local, state, and federal resources as discussed above.

Financing of ongoing operation and maintenance programs, including system analytics and planning tools such as acoustic inspection, smoke testing, CCTV, etc., will be financed through a combination of local, state, and federal funds and the City's operating budget for the Water and Sewer Department.

#### SCHEDULE

The implementation schedule for the plan described herein can be best understood by examining the bar chart schedules included in Appendix F. Please note that the schedule indicates a critical path starting with the approval of this plan, followed by design of construction projects, bidding and award, actual construction, review and analysis of results from construction work completed, and then additional investigative work by the city as necessary. The City is currently pre-occupied with day-to-day operations of inspections, operation, and maintenance of existing systems and bypass or other temporary measures until the system-wide repairs can be completed. Once the system is brought back to a normal operating condition, attention and resources can then be turned to more investigative and preventative measures.

Also in terms of the timing of future investigative measures, once completion of construction indicates future priorities, the actual follow-up investigative work will need to be spread out over at least a decade. Because of the large amount of sewer just in the seven initial areas (over 100,000 LF), and the associated large O&M cost for smoke testing, cleaning, and CCTV work (over \$2.5 million – if performed in house, plus more if contracted out), the city will be able to do only a portion of this work each year for many years. See Appendix F for cost information.

#### COST

Cost information for the scheduled repairs and other activities is provided in Appendix F.

# CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5
ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **ATTACHMENTS**

Appendix A - Drainage and Sanitary Sewer Overflow Priority Areas Map

Appendix B - Funding Summary

Appendix C - Work in Progress Summary

Appendix D - System Assessment Process Flow Chart

Appendix E- Manhole Inspection Form

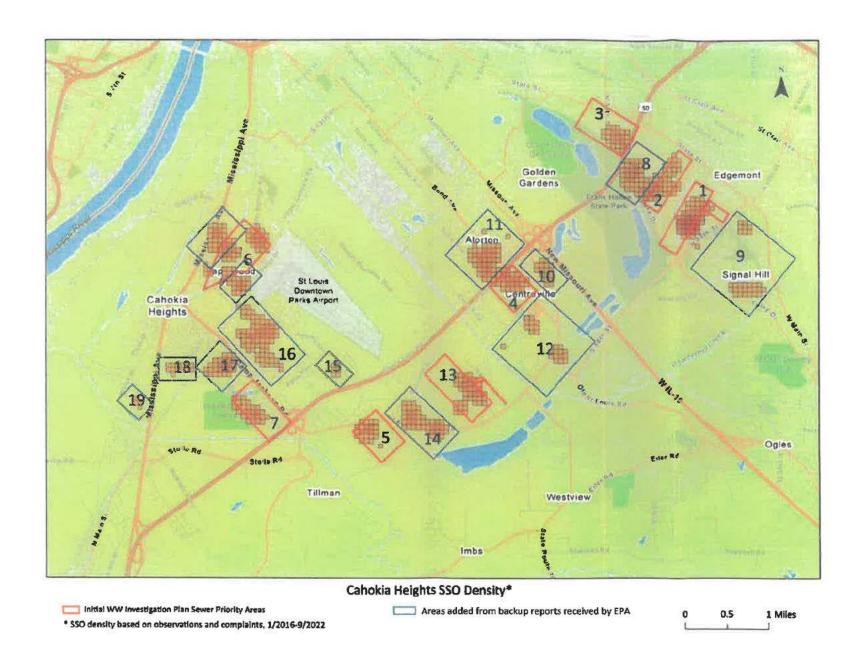
Appendix F - Maps, Schedule, Cost, and Inspection Forms for Each Area

Appendix G - Sewer Repair and Rehab Location Map

## Appendix A

# Drainage and Sanitary Sewer Overflow Priority Areas Map

#### WET WEATHER SSO INVESTIGATION PLAN – REVISED PRIORITY AREAS MAP



## Appendix B

**Funding Summary** 

IEEDS AND F	UNDING WORKSHEET	JUNE 2024			Hurst-Ros	che, Inc.		June-		
Amount	Source	Specific Specific Z/Entity		Purpose		NOTES				
40,000,000.00	NEEDED	WASTEWATER (Sewers)				v -	,			
		FUNDS	1							
	COMMITTED									
3,500,000.00	US Army Corps of Engineers	Water Resource Dev. Act - sec 219	USACE - St. Louis Dist. (CEMVS)	CIPP SlipLining of Sanitary Sewer (+\$1.2MM local share)	construct	ion beginni	ng April 20:	24		
2,200,000.00							design commenced May 2023, bids received on Pk			
9,980,750.67	IEPA Bureau of Water	Build Illinois Grant	IEPA/BOW	Wastewater Collect, & Sewer Infrastruct, Improvements		2-3, construction complete on Pkg 2, started on Pkg				
8 500,000,00	State of Illinois	HB 900 (Approp) - Sec 210	ARPA/CURES/DCEO	Sewer System Improvements	1.0					
300,000.00		HB 900 (Approp)	This ry duringly back	Cost Associated with Infrastructure Improvements	unknown	assignmen	t, agency, o	r status		
	State of Illinois	HB 900 (Approp)		Cost Associated with Infrastructure Improvements			1			
	State of Illinois	HB 900 (Approp)		Cost Associated with Infrastructure Improvements	unknown	accionmon	t, agency, o	r stahus		
				Cost Associated with Infrastructure Improvements	WITH THE PARTY	T T	T	Julias		
	State of Illinois	HB 900 (Approp)	hall we have been		Cartin acres	-tobio				
	State of Illinois	HB 900 (Approp) - Sec 1350	Build Illinois Bonds/DCEO	Commonfields of Cahokia capital improvements	unknown					
2,000,000.00	Duckworth FY23 Earmark			East Interceptor System	dispursed	to PM at 8	PA Region	V		
26,030,750.67	SUBTOTAL				NOTE: Does not include locally funded sewer pro (approx \$300k annually)			unded sewer proje		
	ment (empire		-		1		1	T.		
	REQUESTED		***************************************		77775	1177	277	E111122222		
BIRK NOVE AND	AND CALLERY OF BUILDINGS AND	KARAKO SESAKAN SELEKTI	AGAING A PENERAL KANDA CAN BE AR AT KANDA	\?\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	200		nas Vienu	39,8979,0959		
144444	X19994444444444444444	(5)(5)(5)(5)(5)(5)(5)(7)////////////////	\$	\\$\\$\\$\A\$\#\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$	14/11/					
1,100,000.00	Army Corps of Engineers	Durbin FY24 Earmark	via current PPA btwn Corps and City	Pump Station Telemetry and Flow Monitoring				e CIPP by USACE		
3,161,670.00	Duckworth FY24 Earmark			East Interceptor System	\$500k in	draft FY 24	budget			
4,014,560.00	Duckworth FY 25 Earmark			Interceptor System						
6,600,000.00	Budzinski FY 25 Earmark			West Interceptor System	to replace	the failed	FY 24 requ	est to Durbin		
	Army Corps of Engineers	Durbin FY25 Earmark	via current PPA btwn Corps and City	Trunkline CIPP (upper reaches, 10"-18"dia.)				est to Durbin		
10116 220 00	EURTODAL				4					
18,116,230.00	ISUBTUIAL	4	-							
\$ 12,950,000.00	NEEDED	WATER (Drinking Water)		·		4	r			
		FUNDS								
	COMMITTED									
6,000,000.00	State of Illinois	HB 900 (Approp) - Sec 1342	Build Illinois Bonds/DCEO	Water Infrastructure Improvements	2 Water 1	Towers Reh	ab, 1 New I	Booster/Disinfect.		
1,300,000.00		ARPA State and Local Funds	\$1.3MM pledged from County to City	For Water System Projects	Station, 1	Station, 1 Expanded Booster/Disinfect. Station				
4-14-1-1					Church R	Church Rd Water Tower - In construction, complete				
7,300,000.00	SUBTOTAL				2023					
- Characteristics	- Downson									
		Sewer or Water or General Infrast	ructure			-				
		FUNDS								
E 000 000 00	State of Illinois	HB 900 (Approp) - Sec 1200	ARPA/CURES/DCEO	Water, Sewer or Broadband Infrastructure	1					
		ARPA State and Local Funds	in hand at Cahokia Hts.	Tracti, sever or production minustracture						
	US Treasury		Build Illinois Bonds/DCEO		-	1	-			
	State of Illinois	HB 900 (Approp) - Sec 225	The state of the s	0 116 4 116	to be one	d farming	- bearing	lan and EQ		
	State of Illinois	HB 900 (Approp) - Sec 3480	Build Illinois Bonds/DCEO	General Infrastructure	to be use	Tor comp	Hetierisive F	Hall and Ed		
	State of Illinois	HB 900 (Approp) - Sec 1735	DCEO		-	+	-			
3,000,000.00	State of Illinois	HB 900 (Approp)	DCEO	Community Development, Violence Prevention, Admin Costs	-	1	_	_		
12,211,054.86	SUBTOTAL									
\$ 20,000,000,00	NEEDED	ROADWAYS & DRAINAGE		the state of the s	N.	7		4 -		
		FUNDS	1			-				
	COMMITTED									
25 000 00	Durbin FY22 Earmark	USACE-ESTL	Cahokia Heights Letter Report	Flood Risk Analysis Report	1					
	State of Illinois	Outside Falls	IEPA/BOW (to Heartlands Cons)	Watershed/Flood Plain Survey/Demonstration Project	hydrolog	v and water	rshed studi	AS .		
		-		Watershed/Flood Plain Survey/Demonstration Project	Involute	and wate	Theo stout	Ĭ		
	Durbin FY22 Earmark	Date the tilliants	(to Heartlands)		to be see	of by none	-			
	State of Illinois	Rebuild Illinais	IDOT/RBI Fund	Local Roadways	to be spent by 2025 (does not include local MFT funds)					
	REQUESTED			The state of the second of	F 1 P	A to dead on	DEB/ Innal a	natch by IDNR		
1,149,000.00	REQUESTED IEMA -OHS	FEMA HMGP 4676 Funds	Hazard Mitigation Grant Program	iculverts, ditches, storm sewers in Ping Pong (per USA) F/Hearti	ands studie	s) includes				
3,155,000.00	IEMA -OHS	FEMA HMGP 4676 Funds	Hazard Mitigation Grant Program	culverts, ditches, storm sowers in Ping Pong (per USACE/Heartl	ands studie	s) includes	25% IOCAI I	Decemby to the		
3,155,000.00	IEMA -OHS	FEMA HMGP 4676 Funds RAISE Grant	Hazard Mitigation Grant Program	Local Roadways	ands studie	s) includes	25% IOCAI F	I I I I I I I I I I I I I I I I I I I		
3,155,000.00 5,236,578.02 51,985,446,76	IEMA -OHS DOT		Hazard Mitigation Grant Program		ands studie	s) includes	25% IOCAI F	Jack by IDIN		

## Appendix C

**Work In Progress Summary** 

#### Cahokia Heights Sanitary Sewer System Projects (06/17/24)

Category	Location	Address	Status		Cost
Complete:					
Lift Station Rehabilitation	42nd & Market		Complete	\$	164,000
Sanitary Sewer Repair	4972 Bond Avenue		Complete	\$	132,000
Lift Station Rehabilitation	4200 Missouri Avenue		Complete	\$	103,000
Lift Station Rehabilitation	Racehorse Business Park		Complete	\$	51,000
Sanitary Sewer Repair	Range Lane		Complete	\$	69,000
Lift Station Rehabilitation	City Hall (Front)		Complete	\$	130,000
Sanitary Sewer Repair	N, 82nd Street		Complete	\$	158,000
Sanitary Sewer Repair	St. John Drive		Complete	\$	121,000
Lift Station Rehabilitation	Mary Ryans		Complete	\$	199,000
Sanitary Sewer Rehabilitation	Various Locations (CIPP)		Complete	\$	58,000
Lift Station Rehabilitation	Jackson Street		Complete	\$	121,000
Lift Station Rehabilitation	Johnson Lane		Complete	\$	116,000
Lift Station Rehabilitation	82nd & Bluff		Complete	\$	189,000
Lift Station Rehabilitation	82nd & Belleview		Complete	\$	189,000
Sanitary Sewer Repair	N. 63rd Street		Complete	\$	96,000
Sanitary Sewer Repair	N. 73rd Street		Complete	\$	111,000
Samary Sewer Repair	v. 73id Street		Complete	\$	2,007,000
n Construction:	33				200 000
Lift Station Rehabilitation	Lady of Snows		Complete except Punch List & Contract Closeout	\$	209,000
Lift Station Rehabilitation	51st & Market		Complete by 6/30/24	\$	263,000
Lift Station Rehabilitation	Bridgedale		Complete by 6/30/24	\$	228,000
CIPP Sewer Lining	Main Trunkline		Complete by 3/31/25	\$	4,628,000
Sanitary Sewer Repair	St. Zita Lane		Complete by 8/13/24	\$	94,000
Sanitary Sewer Repair	Cooper Drive		Complete by 8/13/24	\$	111,000
Sanitary Sewer Repair	Mildred Avenue		Complete by 8/13/24	\$	303,000
Sanitary Sewer Repair	LaSalle Drive		Complete by 8/13/24	\$	127,000
Sanitary Sewer Repair	Blue Water Lane		Complete by 8/13/24	\$	79,000
Sanitary Sewer Repair	Kenneth Street		Complete by 8/13/24	\$	176,000
Sanitary Sewer Repair	Parklane Drive		Complete by 8/13/24	S	69,000
Sanitary Sewer Repair	Halloran Street		Complete by 8/13/24	\$	123,000
Sanitary Sewer Repair	White Street		Complete by 8/13/24	\$	262,000 6,672,000
Bidding/Pending Award;				) W	0,012,000
N/A				<u>\$</u>	
In Design:					
Lift Station Rehabilitation	Beachland		Complete/IEPA Permit Application Approved 5/29/24	\$	200,000
Lift Station Rehabilitation	63rd & Laura		Complete/IEPA Permit Application Approved 5/29/24	\$	200,000
Lift Station Rehabilitation	73rd Street		Complete/IEPA Permit Application Approved 5/29/24	\$	200,000
Lift Station Rehabilitation	73rd & Oakland		Complete/IEPA Permit Application Approved 5/29/24	\$	275,000
Lift Station Rehabilitation	75th & Pershing		Complete/IEPA Permit Application Approved 5/29/24	\$	150,000
Lift Station Rehabilitation	71st & Ames		Complete/IEPA Permit Application Approved 5/29/24	\$	200,000
Lift Station Rehabilitation	Lake Drive Pill Box		Complete/IEPA Permit Application Approved 5/29/24	\$	200,000
Lift Station Rehabilitation	Willie Holmes Pill Box		Complete/IEPA Permit Application Approved 5/29/24	\$	200,000
Lift Station Rehabilitation	Cooper Drive		Complete by 6/30/24	\$	130,000
Lift Station Rehabilitation	Ellen & Richard		Complete by 6/30/24	\$	130,000
Lift Station Rehabilitation	Hutchings Street		Complete by 6/30/24	\$	130,000
Lift Station Rehabilitation	Williams & Ellen		Complete by 6/30/24	\$	130,000
Lift Station Rehabilitation	Williams & Kay		Complete by 6/30/24	\$	50,000
Lift Station Rehabilitation	LaSalle		Complete by 6/30/24	\$	130,000
Lift Station Rehabilitation	Donald Street		Complete by 6/30/24	\$	120,000
Lift Station Rehabilitation	Miskell Blvd.		Complete by 6/30/24	\$	70,000
Lift Station Rehabilitation	St. Monica		Complete by 6/21/24	\$	200,000
Design Pending:	97		4	\$	2,715,000
Lift Station Rehabilitation	75th & Clinton		Pending County IGD Grant Award	\$	150,000
	\$ <del>-</del>	32		\$	150,000
				\$	11,544,000

#### Notes:

- · Includes projects since May 2021, rounded to the nearest \$1,000
- Includes Hurst-Rosche projects only. Does not include projects managed directly by the City of Cahokia Heights
- The cost information is for construction only. It does not include Engineering design & construction admin/oversight

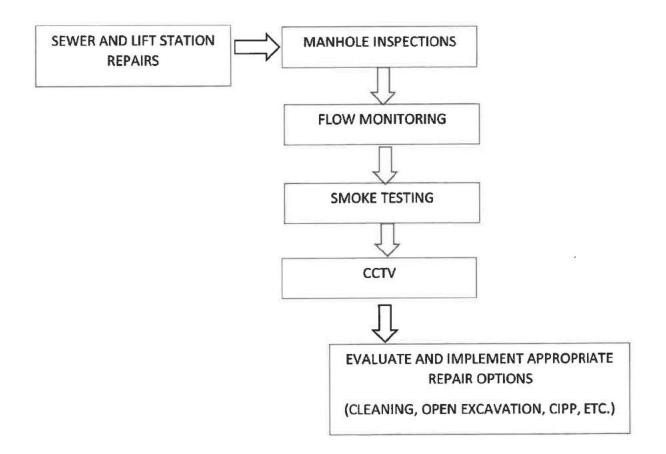
## Appendix D

**System Assessment Process Flow Chart** 

# City of Cahokia Heights Water and Sewer Department SYSTEM ASSESSMENT PROCESS FLOW CHART

#### PRIORITY RANKING FOR INVESTIGATION AND ASSESSMENT ACTIVITY:

- 1. Reported backups, failures, and/or SSOs
- 2. Sewer problems indicated by repair & rehab work
  - 3. Sewers with deepest elevations
- 4. Sewers located within any of the nineteen priority areas
- 5. Sewers with the largest amount of flow or tributary users



## Appendix E

Manhole Inspection and Smoke Test Report Forms

			OF CAHOKIA ANHOLE INSPEC					R
	TIME		MH NUMBER		SEWER DIST.			
			SETTING[					
north	east	top elev		street	easement	0	ther - note	S
inundation	& inflow	YES	TYPE					
are	29	NO		solid	slotted	broke	n/missing/	notes
TYPE					CONDITION			
	standard	locking	other		12,100	good	fair	poor
TYPE	_				CONDITION			
	cone	rings	none/other		20	good	fair	poor
Type					CONDITION			
ITPE	brick	concrete	other		COMPITION	good	fair	poor
		7.35				C.V.	227	
STEPS	poorl	fair	DOOL		BENCHES	good	fair	poor
	good	ian	poor			good	7011	poor
PIPE SEALS		-3-		TRO	OUGH/INVERT			
	good	fair	poor			good	fair	poor
OM RIM TO	INVERT	FT			PATTER			OCATIO
	DIDE DAT	A					12	
DIA	MAT'L	DEPTH	FLOW (%)				1	
					/			1
	_							1
					9			
-					/			/
						1	/	
DE	ECTE AND	OTHER NO	TEC				6	
DE	EC IS AND	OTHER NO	11.3					
						VERALL N	ANHOLE (	ONDITIO
						hoos	fair	poor
						Boou	Full	Pool
	TYPE  TYPE  TYPE  STEPS  PIPE SEALS  OM RIM TO	north east inundation & inflow area  TYPE	north east top elev inundation & inflow area NO  TYPE Standard locking  TYPE cone rings  TYPE brick concrete  STEPS good fair  PIPE SEALS good fair  PIPE DATA  DIA MAT'L DEPTH	TIME MH NUMBER  SETTING  north east top elev  inundation & inflow YES TYPE  area NO  TYPE NO  TYPE one rings none/other  TYPE one rings none/other  TYPE orick concrete other  STEPS good fair poor  PIPE SEALS good fair poor  OM RIM TO INVERT FT  PIPE DATA	TIME MH NUMBER    north east top elev street	north east top elev Street easement inundation & inflow area NO TYPE Solid slotted  TYPE Standard locking other  TYPE CONDITION CONDITION CONDITION CONDITION CONDITION Drick concrete other  STEPS SOLID SENCHES GOOD FAIR POOR STEPS SOLID SENCHES GOOD FAIR POOR CONDITION DRIVERT FT PATTER  PIPE DATA DIA MAT'L DEPTH FLOW (%)  DEFECTS AND OTHER NOTES	TIME MH NUMBER SEWER DIST.    NO	TIME MH NUMBER SEWER DIST. INSP. BY  SETTING  north east top elev Street easement other - note inundation & inflow area NO SETTING  TYPE CONDITION Good fair  TYPE CONDITION Good fair  TYPE CONDITION Good fair  TYPE CONDITION Good fair  TYPE STEPS GOOD Fair DOOR GOOD FAIR  STEPS GOOD FAIR DOOR GOOD FAIR  OM RIM TO INVERT FT PATTERN OF FLOW & PIPE L  PIPE DATA  DIA MAT'L DEPTH FLOW (%)  DEFECTS AND OTHER NOTES  OVERALL MANHOLE O

### SMOKE TEST REPORT

CITY OF CAHOKIA HEIGHTS ST. CLAIR COUNTY, ILLINOIS

					PAGE
CONSULTING EN	GINEER				DATE:
CREW #					TIME:
DISTRICT	SUBDIS	STRICT			BY:
MANHOLE NO	TO MA	NHOLE NO	e		REPORT NO
	1			1	
		STREET	/E	ASEMENT	
SKETCH M.H. LOCATIONS & NUMBERS		ZRIGHT OF WAY		STREET	NORTH
LEAK PART			(CALC	AREA DRAINED CULATE AREA IN S OR SQ. FEET)	CALCULATATIONS OF INFLOW  (OFFICE ONLY)
NO.		PHOTO NO.	AREA SIZE	ADDRES\$	DATE: BY:
			1 1		

## Appendix F

Maps, Schedule, Cost, and Inspection Forms

For Each Priority Area

## **Priority Area Schedule and Sequencing Description**

As described in the System Assessment Process Flow Chart in Appendix D, the work proposed under this Wet Weather SSO Investigation Plan will proceed according to a critical path that begins with the planned and scheduled repairs to the sewer lines and pump stations in the 19 priority areas. The reasons for this path are multiple.

First, the majority of these repairs involve failed pump stations or blocked gravity sewer lines being bypassed by temporary pumping operations which, along with the conditions associated with the failures, tend to produce lines and structures that are surcharged, flowing full, filled with soils and solids, or some combination thereof. These conditions make it problematic for inspection of the lines and structures. Therefore, these inspection operations are scheduled to follow the repairs, which, along with repair or replacement of lines, structures, pumps, panels, etc., also include cleaning, televising, and CIPP lining of sewers adjacent to the repairs. This work, when completed, will afford more effective and practical inspections to take place.

Second, priority areas 1, 2, 3, and 8 are all upstream and tributary to sewers in the City of East St. Louis system, which are also frequently surcharged, and preventing Cahokia Heights sewers from entering the system, thereby causing backups and surcharging upstream, and contributing to SSO's. As a result, the ability to effectively inspect and assess conditions in these areas depends not only on the proposed repairs to the Cahokia Heights system, but also on the successful construction of the interceptor system to remove Cahokia Heights sewers from discharging into East St. Louis. Therefore, inspections and related work in these areas is scheduled to follow construction of the interceptor in these areas. There is a possibility that the City of East St. Louis is able to address conditions causing surcharging and backups in this area prior to the completion of the interceptor system. If that occurs, schedules for investigative measures in this area will be adjusted accordingly and submitted to EPA for approval.

Third, the City has been awarded the large (\$10MM) grant from IEPA to pay for many of the needed repairs. The current scope of this grant includes nearly all of the known sewer breaks in the system, and repairs or rehab to 50 of the systems 69 pump stations, as well as CIPP lining of a large portion of the main sewer trunkline. Per the terms of this grant, the work is required to be completed within three years of the start date, which is currently pending but imminent, as of February 2023. The schedule then must reflect that the locations listed in the grant must be completed first, before any other work, in order to protect the integrity of the grant funds.

Last, there are a few locations where sewer and/or pump station repairs have already been started, using local city and/or St. Clair County Intergovernmental Grant funds. These locations are scheduled accordingly.

Within the 19 priority areas, and in conjunction with consideration of factors explained above, scheduling of these areas has been further refined below. This additional refinement also takes into account the size, complexity, number of repair locations, and other important factors expressed in the Process Flow Chart. The listing of areas by relative order of proposed scheduling of investigative measures (first to last) is below:

Area 13 - Lauralee & Violet

Area 6 - Falling Springs

Area 7 - DePaul Gardens

Area 1 - Ping Pong, Area 2 - Parkside East, Area 3 - Piat Place, Area 8 - Parkside South

These areas are combined due to proximity and similar conditions, and are still the highest priority, due to the SSO's and backup conditions there, but as discussed, the investigative measures cannot proceed effectively until the interceptor is constructed to relieve surcharge conditions, approximately in 2028. There is a possibility that the City of East St. Louis is able to address conditions causing surcharging and backups in this area prior to the completion of the interceptor system. If that occurs, schedules for investigative measures in this area will be adjusted accordingly and submitted to EPA for approval.

Area 16 - Range Lane

Area 4 – I-255 East, Area 10 - Old Missouri Ave., Area 11 – I-255 West

These areas are combined due to proximity and similar conditions.

Area 5 - Bridgedale Subdivision

Area 12 - IL 163 & IL 157, Area 14 - Delores & Louise, Area 15 - Marseilles & Fleur de Lis

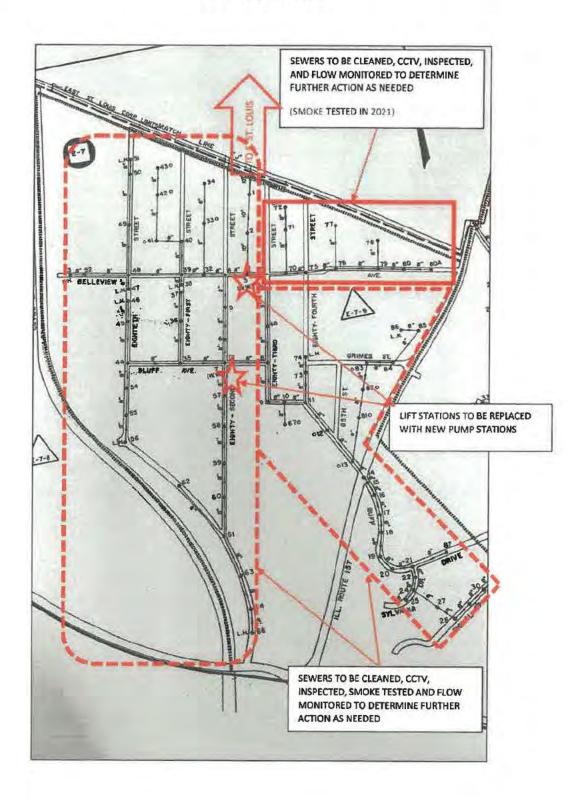
These areas are combined due to proximity and similar conditions.

Area 17 - Donald St., Area 18 - St. Monica, Area 19 - Water St. East

These areas are combined due to proximity and similar conditions.

The production of the investigative work for all the areas depends on too many factors to accurately predict in a schedule up front, however, consideration has been given to their relative sizes in the time allotted for completion. As a baseline, a small sized area (less than 100 manholes) is being given one calendar year for completion. A medium sized area (100-200 manholes) is being allotted two years, and larger than 200 manholes three years for completion. There is some overlap between areas, and once the program has been launched and production is more certain, this schedule could be condensed if possible.

## Ping Pong Neighborhood (N. 82<sup>ND</sup> Street SSO) Area Sewer Map – Priority Area 1



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

				20	123			2024	2025	2026	2027	2028	2029	2030 2	203
Activity	End Date	JAN FEB	MAR APR	MAY JUN	JUL AUG	SEP OCT	NOV DEC								
Pump Station Repair/Replacement				-10/03/-17/2012	X10.										
N. 82nd St.	5/1/2023	*******	<b>**********</b>												Τ
N. 82nd St.	5/1/2023	***													_
nterceptor Construction (East Section)				1/2				nie Debbes							
Feasibility Study & Preliminary Design	12/31/2024							****							
Detailed Design & Bid Documents	12/31/2025								*****	see no	ote				
Construction	12/31/2028														
Cleaning & CCTV			140												
areas east of IL Rt 157 (Signal Hill)	10/1/2028											<b>****</b>	ee no	te	_
areas west of IL Rt. 157 (Ping Pong)	12/31/2029												<b>****</b>		
/isual Inspection												200000			
Manholes - 85 Total	11/1/2028											s	ee no	te	_
Sewer Reaches - 22140 LF Total - (inspected during CCTV work)	11/1/2028											XXXX :	ee no	te	_
areas west of IL Rt. 157 (Ping Pong)	12/31/2029												<b>***</b>		
Smoke Testing							7	-							
areas east of IL Rt 157 (Signal Hill)	1/1/2029											****	ee no	te	
areas west of IL Rt. 157 (Ping Pong)	12/31/2029												<b>****</b>		Т
low Monitoring							V					- TANKS IN SEC	STATISTICS.		
N. 82nd St.	continuing									<b></b>	****		<b>***</b>	<b>****</b>	8
N. 82nd St.	continuing									<b>*****</b>	****		‱		燹

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area is dependent on elimination of frequent surcharged conditions from backups from downstream sewers in East St. Louis. Therfore this work is currently scheduled to follow the construction of the interceptor. Should the East St. Louis surcharge issue be able to be rectified earlier, this work would be moved up in schedule accordingly.

<sup>2.</sup> Detailed design of the interceptor and bid document production may not include receipt of or approval from all required entities and agencies by the listed date

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

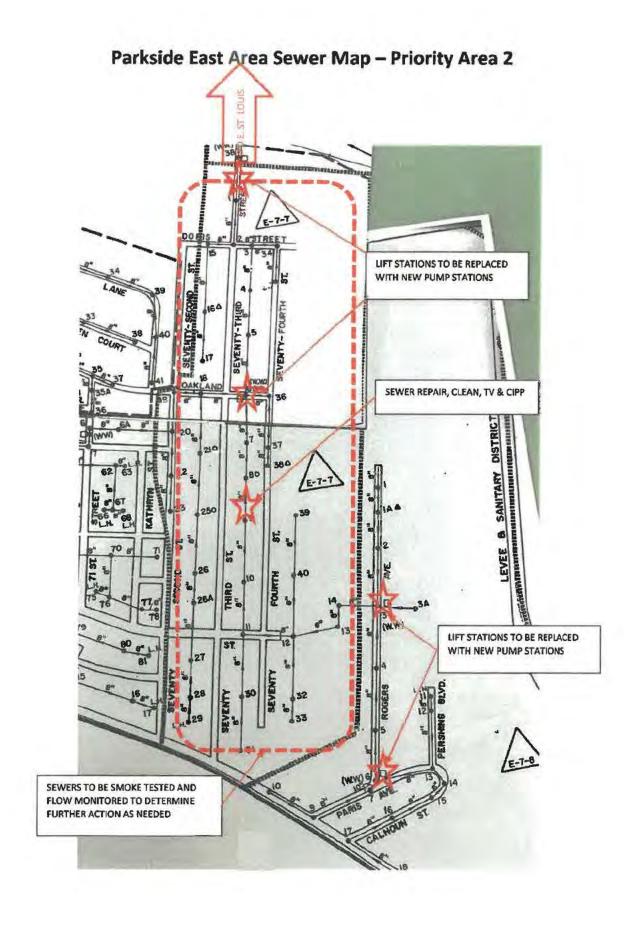
#### **INVESTIGATION OF CONDITIONS - AREA 1**

#### **OPINION OF PROBABLE COSTS**

UNIT	QUANTITY	UNIT COST		TOTAL
LS	1	\$ 188,000.00	\$	188,000.00
LS	1	\$ 188,000.00	\$	188,000.00
LS	1	\$5,000,000.00	\$	5,000,000.00
LF	22140	\$ 10.00	\$	221,400.00
EA	85			
LF	22140			
LF	19590	\$ 1.50	\$	29,385.00
EA	TBD	\$ 1,000.00		
	LS LS LF EA LF	LS 1 LS 1 LF 22140  EA 85 LF 22140 LF 19590	L\$ 1 \$ 188,000.00  L\$ 1 \$ 5,000,000.00  LF 22140 \$ 10.00  EA 85  LF 22140  LF 19590 \$ 1.50	LS 1 \$ 188,000.00 \$  LS 1 \$5,000,000.00 \$  LF 22140 \$ 10.00 \$  EA 85  LF 22140  LF 19590 \$ 1.50 \$

- 1. N. 82nd St. Lift Station work already designed, bid, and awarded, waiting on equipment deliveries
- 2. Interceptor Construction will remove flows tributary to E. St. Louis system. Funds anticipated to come from state and federal sources
- 3. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 4. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 5. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device
- 6. Lift station work and interceptor constuciton are precursors to other investigative work, necessary due to surcharging of system by backups from E. St. Louis system, other than certain sewer reaches in northern part which will be investigated as conditions allow asap to address N 82nd St. SSO.
- 7. 2250 LF of smoke testing performed previously in 2021

SEWER R	EACH INSPE	<b>ECTION SHEET</b>										
		4							LE	GEND		
DATE			BY					FLOW:	F=FULL	H=HALF	D=DRY	
				i I				PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				1 - PING PC	NG NEIG	HBORHOOD		CONDITION:	A	VERY GO	OD	
						T			В	GOOD		
SEWER SI	UBDISTRICT	(s)		E-7-9					С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	LUDED		#40	N 82r	nd St			E	VERY POO	OR .	
				#41	N 821	nd St						
						-		1				
								1				
										1		
				1 1				1				
				+				1				
				1						+	1	
				-		T		+	-	+	-	_
DC MALL A	LIC BALL H	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					
D2 MIH #	US WIH#	LF UF REACH	FLOW	PIPE I TPE	DIA	CONDITION	NUTES					_
						-						
				1								
		==										



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

						2023				2024	2025	2026	2027	2028	2029	2030	203
Activity	End Date	JAN	FEB	MAR APR	MAY	ען אען	L AUG SE	POCT	NOV DE								
Pump Station Repair/Replacement	-																
N. 73th St	12/31/2025									***	<b>***</b>						
73rd & Oakland	12/31/2025									*****	₩						
75th & Clinton	7/1/2025									*****	***						
75th & Pershing	12/31/2025										***						
Sewer Line Repair																	
N 73rd St	5/1/2024				$\Box$					<b>****</b>							
Interceptor Construction (East Section)	12/31/2028																
Feasibility Study & Preliminary Design	12/31/2024				Ħ					<b>*****</b>							
Detailed Design & Bid Documents	12/31/2025									1	<b>***</b>	see n	ote	Value and			
Construction	12/31/2028											****	****	***			
Cleaning & CCTV																	
overall	12/31/2029													<b></b>			
Visual Inspection																	
Manholes - 60 Total	12/31/2029													<b>****</b>			see note
Sewer Reaches - 10200 LF Total - (inspected during CCTV work)	12/31/2029													***	<b>****</b>		see note
Smoke Testing		-		17.75													
overall	12/31/2029													<b>****</b>	<b>8888</b>		see note
Flow Monitoring							1011										
N. 73th St	continuing											$\bowtie$	$\times\!\!\!\times\!\!\!\times$	$\otimes \otimes \otimes$	$\times\!\!\!\times\!\!\!\times$		********
73rd & Oakland	continuing											***	$\bowtie$	₩	₩	<b>*****</b>	**********
75th & Clinton	continuing											<b>***</b>	<b>****</b>	₩₩	₩	$\otimes \otimes \otimes$	
75th & Pershing	continuing											****		<b>8</b>	*****	₩₩	***************************************

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area is dependent on elimination of frequent surcharged conditions from backups from downstream sewers in East St. Louis. Therfore this work is currently scheduled to follow the construction of the interceptor. Should the East St. Louis surcharge issue be able to be rectified earlier, this work would be moved up in schedule accordingly.

<sup>2.</sup> Detailed design of the interceptor and bid document production may not include receipt of or approval from all required entities and agencies by the listed date

PREPARED FOR REVIEW AND APPROVAL BY:

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 2**

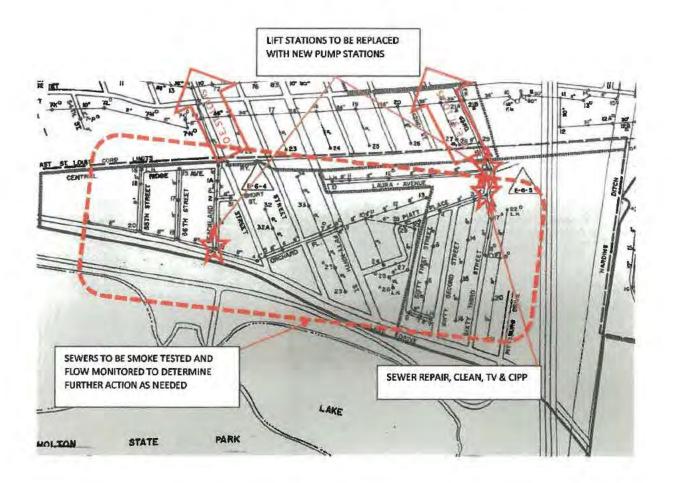
#### **OPINION OF PROBABLE COSTS**

10.75					
LS	1	\$	200,000.00	\$	200,000.00
LS	1	\$	200,000.00	\$	200,000.00
LS	1	\$	200,000.00	\$	200,000.00
LS	1	\$	200,000.00	\$	200,000.00
LS	1	\$	70,000.00	\$	70,000.00
LS	1	\$5	00.000,000	\$	5,000,000.00
LF	10200	\$	10.00	\$	102,000.00
EA	60				
LF	10200				
LF	10200	\$	1.50	\$	15,300.00
EA	TBD	\$	1,000.00		
	LS LS LS LF EA LF	LS 1 LS 1 LS 1 LS 1 LS 1 LS 1 LF 10200  EA 60 LF 10200  LF 10200	LS 1 \$  LS 1 \$  LS 1 \$  LS 1 \$  ES 1 \$  LS 1 \$  LS 1 \$  LF 10200 \$  EA 60  LF 10200 \$  LF 10200 \$	LS 1 \$ 200,000.00  LS 1 \$ 70,000.00  LS 1 \$ 70,000.00  LS 1 \$ 5,000,000.00  LF 10200 \$ 10.00  EA 60  LF 10200  LF 10200 \$ 1.50	LS 1 \$ 200,000.00 \$  LS 1 \$ 200,000.00 \$  LS 1 \$ 70,000.00 \$  LS 1 \$ 5,000,000.00 \$  LF 10200 \$ 10.00 \$  EA 60  LF 10200 \$ 1.50 \$

- 1. Lift Station and line repair work yet to be designed
- Interceptor Construction will remove flows tributary to E. St. Louis system. Funds anticipated to come from state and federal sources
- 3. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 4. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device
- 6. Lift station work and interceptor constuciton are precursors to other investigative work, necessary due to surcharging of system by backups from E. St. Louis system, other than certain sewer reaches in northern part which will be investigated as conditions allow asap to address SSOs.

		ECTION SHEET							LF	GEND		
DATE			BY					FLOW:	F=FULL	H=HALF	D=DRY	
DATE						T		PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				2 - PARKS	DE FAST			CONDITION:	W. Garanier	VERY GOO		(note)
ANLA				ZETANIS	DE EAST	_		CONDITION.	В	GOOD	1	
SEWED CI	UBDISTRICT	(e)		E-7-7, E-7-	Q.			-	C	FAIR	1	
JEVVEN 30	ODDISTRICT	(3)		L-7-7, L-7-				+	D	POOR		
DI INAD ST	ATIONS INC	THIDED		#36	73rd & Oa	Mand		_	E	VERY POO	)R	
FUIVIF 31	ATIONS IN	LODED		#37	73rd Stree	10A 01-1-1-17 20-41			-	VERTICO	1	
_				#38	75th & Cl				-		1	
				#39	75th & Pe					+		
				1,33	, July Circ							
										1		
											1	
								1			1	
				1				1				
				-		1				1	1	
DS MH #	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES		-		1	
				1								
				1								
				1								
	-											
				1								

## Piat Place Area Sewer Map - Priority Area 3



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

						202	3			202	4 2025	2026	2027	2028 2	029 2	030 203
Activity	End Date	JAN	FEB M	AR AF	PR MAY	NUL	JUL AUG	SEP C	CT NOV [	EC						
Pump Station Repair/Replacement					1155						T. C. Levalle					
Beachland Pl.	12/31/2025									₩	$\otimes \otimes \otimes$	ğ				
63rd & Laura	12/31/2025									- 888		8				
Sewer Line Repair								III. III. III.								
N 63rd St.	5/1/2024									- 888	▩					
Interceptor Construction (West Section)																
Feasibility Study & Preliminary Design	12/31/2024									- XX	8					
Detailed Design & Bid Documents	12/31/2025										***	see no	tes			
Construction	12/31/2028											<b>******</b>	‱	<b>****</b>		
Cleaning & CCTV	78					25		7		- 6	-		012.725		Shurber -	
overall	12/31/2029											see no	tes	****	****	
Visual Inspection														THE STATE OF THE S		
Manholes - 57 Total	12/31/2029											see no	tes	₩	***	
Sewer Reaches - 6600 LF Total - (inspected during CCTV work)	12/31/2029											see no	tes		***	
Smoke Testing														*********	tmatete	
overall	12/31/2029											see no	tes	***	***	
Flow Monitoring																
Beachland Pl.	continuing												<b>*****</b>	***	****	<b>********</b>
63rd & Laura	continuing											<b>******</b>	XXX	*****		<b>*****</b>

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area is dependent on elimination of frequent surcharged conditions from backups from downstream sewers in East St. Louis. Therfore this work is currently scheduled to follow the construction of the interceptor. Should the East St. Louis surcharge issue be able to be rectified earlier, this work would be moved up in schedule accordingly.

<sup>2.</sup> Detailed design of the interceptor and bid document production may not include receipt of or approval from all required entities and agencies by the listed date

PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 3**

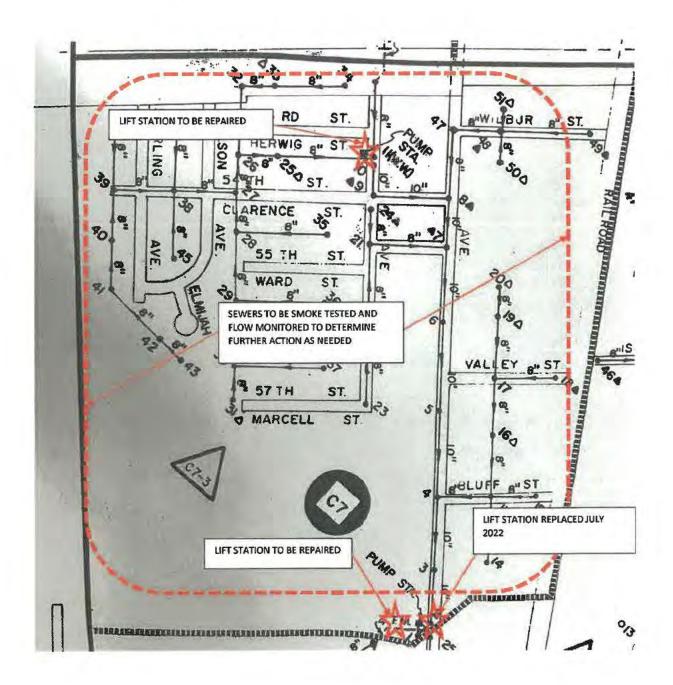
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	- 8	UNIT COST	TOTAL
Lift Station Repair/Replacements					
Beachland Pl.	LS	1	\$	200,000.00	\$ 200,000.00
63rd & Laura	LS	1	\$	200,000.00	\$ 200,000.00
Sewer Line Repair					
N 63rd St.	LS	1	\$	60,000.00	\$ 60,000.00
Interceptor Construction (West Section)	LS	1	\$!	5,000,000.00	\$ 5,000,000.00
Cleaning & CCTV	LF	6600	\$	10.00	\$ 66,000.00
Inspection (costs included above)					
Manholes	EA	57			
Sewer Reaches	LF	6600			
Smoke Testing	LF	6600	\$	1.50	\$ 9,900.00
Flow Monitoring	EA	TBD	\$	1,000.00	

- 1. Lift Station work yet to be designed
- 2. Interceptor Construction will remove flows tributary to E. St. Louis system. Funds anticipated to come from state and federal sources
- 3. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 4. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 5. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device
- 6. Lift station work and interceptor constuciton are precursors to other investigative work, necessary due to surcharging of system by backups from E. St. Louis system, other than certain sewer reaches in northern part which will be investigated as conditions allow asap to address SSOs.

SEWER RI	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE			ВҮ					FLOW:	F=FULL	H=HALF	D=DRY	
1								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				3 - PIAT PI	ACE			CONDITION:	A	VERY GOO	OD	
									В	GOOD		
SEWER S	JBDISTRICT	(s)		E-6-4, E-6-	5				С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	CLUDED		#34	63rd & La	ura			E	VERY POO	OR	
				#42	Beachlan	d Place						
-						1						
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES				-	1
-												
				+		1						
						_						
						+						
			-			+						
			-	+		+						
			-	-		+						

## I-255 East Area Sewer Map - Priority Area 4



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES																	
					20	23				2024	2025	2026	2027	2028	2029	2030	2031
Activity	End Date	JAN FE	B MAR	APR MA	NUL Y	JUL AU	G SEP	ОСТ	NOV DEC								
Pump Station Repair/Replacement			772										11.				
53rd & Market	7/1/2026										<b>****</b>						
City Hall (rear)	12/31/2026											$\otimes\!\!\!\otimes\!\!\!\otimes$					
Sewer Line Repair				24 L		milit like			/					0			
none																	
Cleaning & CCTV																	
overall	6/1/2031		appr	ox. 50% to	be cor	mpleted e	each ye	ar					see n	otes		<b>***</b>	
Visual Inspection																	
Manholes - 51 Total	6/1/2031		appr	ox. 50% to	be cor	mpleted e	each ye	ar					see n	otes			****
Sewer Reaches - 7200 LF Total - (inspected during CCTV work)	6/1/2031		appr	ox. 50% to	be cor	mpleted e	each ye	ar					see n	otes		***	
Smoke Testing		A											20				
overall	6/1/2031		appr	ox. 50% to	be cor	mpleted (	each ye	ar					see n	otes			
Flow Monitoring			70			25 10-							Surpeposition		190000000000000000000000000000000000000		C-0.0000 NO
53rd & Market	continuing											<b>****</b>		<b>****</b>	<b>****</b>	<b>***</b>	
City Hall (rear)	continuing													$\bowtie$	$\bowtie$		****

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 4 and 11 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 2 years for completion, due to the large area and large number of reaches and manholes, with approximately 50% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 4**

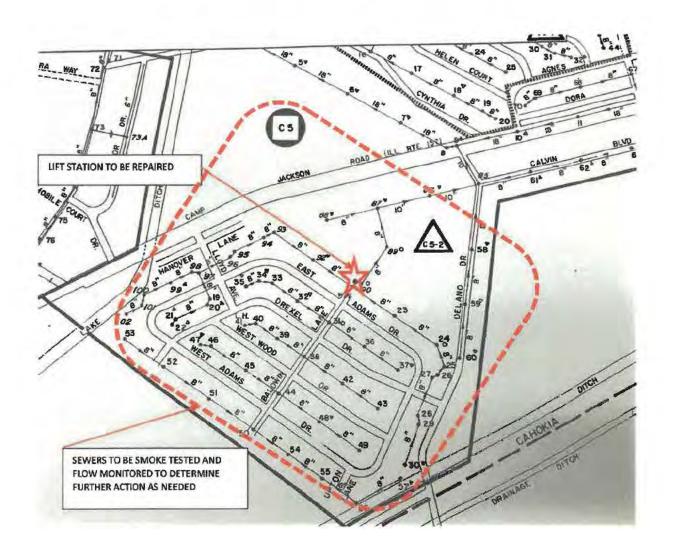
#### OPINION OF PROBABLE COSTS

ITEM	UNIT	QUANTITY	l	JNIT COST	TOTAL
Lift Station Repair/Replacements					
53rd & Market	LS	1	\$	15,000.00	\$ 15,000.00
City Hall (rear)	LS	1	\$	70,000.00	\$ 70,000.00
Sewer Line Repair					
none					
Cleaning & CCTV	LF	7200	\$	10.00	\$ 72,000.00
Inspection (costs included above)					
Manholes	EA	51			
Sewer Reaches	LF	7200			
Smoke Testing	LF	7200	\$	1.50	\$ 10,800.00
Flow Monitoring	EA	TBD	\$	1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER RE	EACH INSP	ECTION SHEET										
									LE:	GEND	Ť	
DATE			BY					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				4 - I-255 E	ast			CONDITION:	Α	VERY GO	OD	
									В	GOOD		
SEWER SU	JBDISTRICT	(s)		C-7-3				1	С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	LUDED		#36	53rd & N	larket			E	VERY POO	OR	
				#47	City Hall	(rear)						
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITIO	NOTES					
			<b>†</b>	1								
			1									

## **Bridgedale Area Sewer Map - Priority Area 5**



PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

		_				2023						2024	2025	2026	2027	2028	2029	2030	2033
Activity	End Date	JAN FI	EB MA	RAPR	MAY .	ון אטנ	JL AU	G SE	POC	T NO	DEC								
Pump Station Repair/Replacement															72				
Bridgedale	7/1/2024						$\times\!\!\times\!\!\times\!\!\times$	$\otimes \otimes$	****	****	****	₩₩	1	i and to an		i i			
Sewer Line Repair			_																
none																			
Cleaning & CCTV																			Carlotte.
overall	7/1/2031															see no	ote		<b>***</b>
Visual Inspection																111			
Manholes - 84 Total	7/1/2031															see n	ote		<b>***</b>
Sewer Reaches - 11700 LF Total - (inspected during CCTV work)																see n	ote		
Smoke Testing				J			700												
overall	7/1/2031															see n	ote		<b>***</b>
Flow Monitoring	III.				10	1 1 1 1 1				1.5756000	New York	4			CAUSETOWN.				
Bridgedale	continuing							8	0		T			<b>****</b>		*****	***	₩₩	****

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 5**

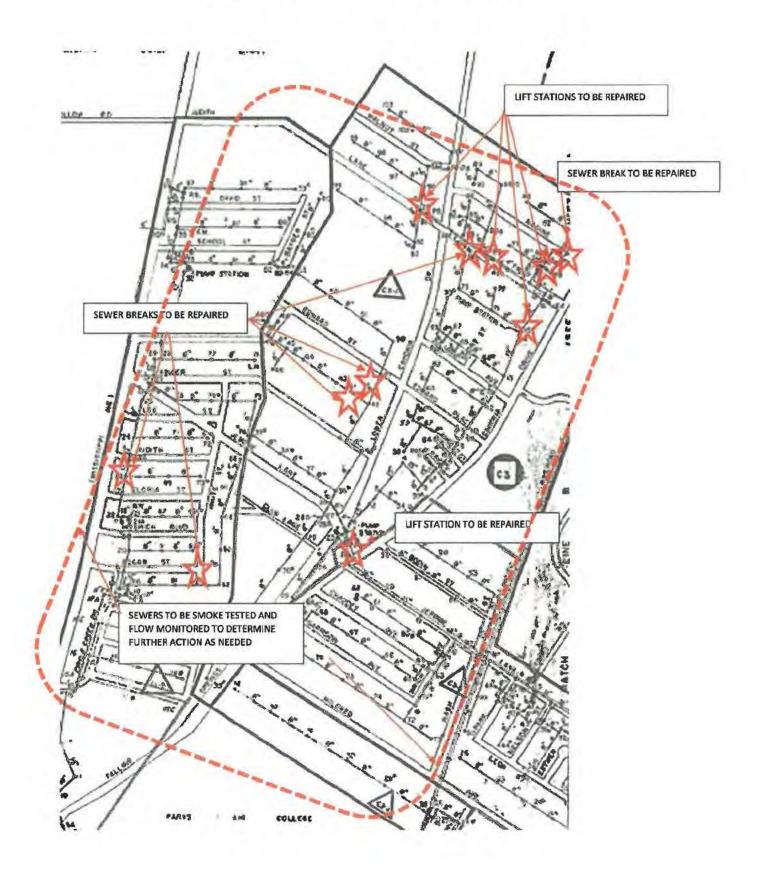
#### OPINION OF PROBABLE COSTS

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
Bridgedale	LS	1	\$ 200,000.00	\$ 200,000.00
Sewer Line Repair				
none				
Cleaning & CCTV	LF	11700	\$ 10.00	\$ 117,000.00
Inspection (costs included above)				
Manholes	EA	84		
Sewer Reaches	LF	11700		
Smoke Testing	LF	11700	\$ 1.50	\$ 17,550.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER RE	ACH INSP	ECTION SHEET										
									LE	GEND		
DATE			ВУ					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				5 - BRIDGE	DALE			CONDITION:	A	VERY GO	OD	
									В	GOOD		
SEWER SU	BDISTRICT	(s)		C-5-2					С	FAIR		
									D	POOR		
PUMP STA	ATIONS INC	CLUDED		#43	BRIDGED	ALE			E	VERY POO	OR	
									1			
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES		h			
	00 11111 11	27 07 112/1011	140.0	1								
						+						
						+						
						-						_
				_								
			-	-		+						
			-			1						
			-									

## Falling Springs Area Sewer Map - Priority Area 6



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF AC	HIVINES					2023			2024	2026	2026 20	27 2020	2020	2030	2031 20
	Activity	End Date	IAM EEE	TAAADLA	DD MANY		ALIC CED	OCT NOV D		2025	2020 20	2020	2023	2030	2031 20
		End Date	JAN FEE	I WAK A	PK MAT	וטון ויטנ	AUG SEP	TOCI INOV DI	- CI				_		
Pump Station Re	palr/Replacement	1			, ,				9 X X X	(XXXX	XXXX	-			
	Edgar St	7/1/2026			$\perp$	_			- 888	w	XXXI	-			
	Judith Ln	7/1/2026		-	-				- 5000	XXX	<b>****</b>	-			
	Falling Springs Rd (Shack)	7/1/2026		-	$\perp$	_			- 8000	XXX	- XXX				
	Judith Ln (Bruce St)	7/1/2026							- 888	‱	<b>XXX</b>	-			
	■ Hissrich Blvd (Singer)	7/1/2026				_			- 888	蜒	‱	-			
	Falling Springs Rd (100 Blk of Judith)	7/1/2026							- 8888	‱	<b>XXX</b>				
	School St (Credit Union)	7/1/2026							- 888	‱	<b>****</b>				
	David St (State Lottery)	7/1/2026							- XXX	‱	<b>****</b>				
	David St (Quickway)	12/31/2026								<b>XXX</b>					
	Upper Cahokia Rd (VFW)	12/31/2026							U.	$\infty$	8888 <u> </u>				
Sewer Line Repa	lr			- V				ST. TX-TWH		D V ( P 184		-14			
	Edwards St (rear easement)	8/1/2025							888	XXX					
	Nadine St	8/1/2025							888	$\otimes \otimes \otimes$					
	Edwards St (side easement)	8/1/2025							888	XXX					
	White St	10/1/2024													10 0
	Edgar St	8/1/2025							888	XXXX					
	Mississippi	8/1/2025							- XXX	ண					
	Judith Ln	8/1/2025		1 1					888	<b>XXX</b>					
Cleaning & CCTV				-						MANA.			_	_	
	erall	12/31/2032	app	rox 33% t	o be com	pleted in	each year		seer	notes				5888	****
Visual Inspection	1	Augustania				<u>lanenamen</u>			- Paramoni				-	EMM M	ENN. M. St. St.
Manholes - 21		12/31/2032	app	rox 33% t	o be com	pleted in	each year		see i	notes				1888S	888888
	es - 40000 LF Total - (inspected during CCTV work)						each year		see	notes				ண	XXXXX
Smoke Testing			t										-	THE RESIDENCE OF	boomo
	erall	12/31/2032	арс	rox 33% t	o be com	pleted in	each year		see	notes				RXXX	XXXXX
Flow Monitoring	Section 1		1.00		-				- Artistantia			NO A UNION		Marie Marie	MERCHANICAL PROPERTY.
	Edgar St	continuing									XXXXX	XXXX	****	8888	XXXX
	Judith Ln	continuing									****	****	****	8888	88888
	Falling Springs Rd (Shack)	continuing									*****	<b>****</b>	8888	8888	88888
	Judith Ln (Bruce St)	continuing									<b>*****</b>	88888	8888	8888	XXXXX
	Hissrich Blvd (Singer)	continuing									<b>******</b>	888X	*****	<b>8888</b>	XXXXX
	Falling Springs Rd (100 Blk of Judith)	continuing									8888	88888	8888	8888	88888
	School St (Credit Union)	continuing		1					1		88888	8888	8888	8888	88888
	David St (Quickway)	continuing	_	++	_				_		<b>1888888</b>	8888	****	8888	<b>88888</b>
	David St (State Lottery)	continuing		+++	-				_		<b>*****</b>	8888	****	8XXX	88888
	Upper Cahokia Rd (VFW)	continuing			_				_	-	10000000	00000	VÝÝÝ	<b>2000</b>	<del>22222</del>

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 33% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 6**

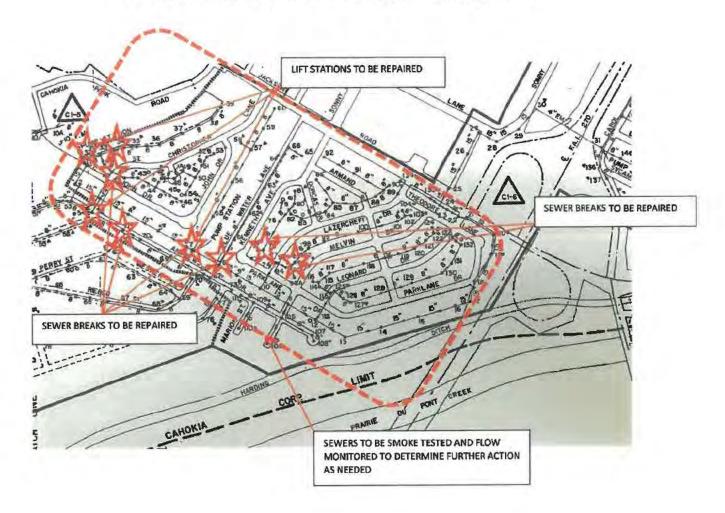
#### OPINION OF PROBABLE COSTS

LS LS LS	QUANTITY  1 1 1	\$	130,000.00 130,000.00	\$	130,000.00
LS LS	1 1	\$		100	130,000.00
LS LS	1 1	\$		100	130,000.00
LS LS	1	_	130.000.00	4	The State of
LS		-		-	130,000.00
	4	\$	130,000.00	\$	130,000.00
10	1	\$	130,000.00	\$	130,000.00
LS	1	\$	130,000.00	\$	130,000.00
LS	1	\$	90,000.00		90,000.00
LS	1	\$	130,000.00	\$	130,000.00
LS	1	\$	60,000.00	\$	60,000.00
LS	1	\$	130,000.00	\$	130,000.00
LS	1	\$	40,000.00	\$	40,000.00
LS	1	\$	90,000.00	\$	90,000.00
LS	1	\$	70,000.00	\$	70,000.00
LS	1	\$	110,000.00	\$	110,000.00
LS	1	\$	90,000.00	\$	90,000.00
LS	1	\$	160,000.00	\$	160,000.00
LS	1	\$	80,000.00	\$	80,000.00
LS	1	\$	90,000.00	\$	90,000.00
LF	40000	\$	10.00	\$	400,000.00
EA	211				
LF	40000				
LF	40000	\$	1.50	\$	60,000.00
EA	TBD	\$	1,000.00		
	LS L	LS 1	LS 1 \$ LS	LS 1 \$ 90,000.00  LS 1 \$ 130,000.00  LS 1 \$ 60,000.00  LS 1 \$ 130,000.00  LS 1 \$ 40,000.00  LS 1 \$ 90,000.00  LS 1 \$ 70,000.00  LS 1 \$ 110,000.00  LS 1 \$ 90,000.00  LS 1 \$ 160,000.00  LS 1 \$ 90,000.00  LS 1 \$ 10,000.00  LF 40000 \$ 10.00	LS 1 \$ 90,000.00 \$  LS 1 \$ 130,000.00 \$  LS 1 \$ 60,000.00 \$  LS 1 \$ 130,000.00 \$  LS 1 \$ 40,000.00 \$  LS 1 \$ 90,000.00 \$  LS 1 \$ 70,000.00 \$  LS 1 \$ 110,000.00 \$  LS 1 \$ 10,000.00 \$  LS 1 \$ 160,000.00 \$  LS 1 \$ 90,000.00 \$  LS 1 \$ 90,000.00 \$  LS 1 \$ 160,000.00 \$  LS 1 \$ 90,000.00 \$  LS 1 \$ 100,000.00 \$  LF 40000 \$ 10.00 \$

- 1. Lift Station and sewer repair work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

T	LACIT HOT	ECTION SHEET							1.50	GEND		
NATE			BY	$\vdash$				FLOW:	F=FULL	H=HALF	D=DRY	
DATE			ВТ	-				PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
				6 501101	CODINGS					VERY GOO		(note)
AREA				6 - FALLING	5 SPRINGS			CONDITION:	1		טע	
									В	GOOD	-	
SEWER SU	JBDISTRICT	(s)		C-1-3, C-2-	1, C-3-1, C-	3-2			С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	LUDED			Edgar S				E	VERY POO	OR	
				#8	Judith							
				#11		g Springs Rd	(aka Shack					
				#13	Judith		(aka Bruce					
				#15	Hissrich I	STATE OF THE STATE	(aka Singe					
				#17		ng Springs Rd	4.	lock of Judith	)			
				#19	School:	St	(aka Credi	t Union)				
				#20	David S	t	(aka Quick	way)				
				#21	David S	t	(aka State	Lottery)				
				#24	Uppe	er Cahokia Rd	(aka VFW)					
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES			1		

## DePaul Gardens Area Sewer Map - Priority Area 7



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

					2023		- 1011		202	4 2025	2026	2027	2028 2	029 2	2030 203
Activity	End Date	JAN F	EB MAR	APR M	AY JUN J	JL AUG	SEP C	OCT NOV DI							
Pump Station Repair/Replacement														- 22	
Blue Water Lane	12/31/2026									<b>****</b>					
St. John Dr. (DePaul)	7/1/2026								<b>XXX</b>	****	****				
Delores St. (Carol Rd)	12/31/2026									₩					
Andrews Dr.(St. Christopher)	7/1/2026									<b>***</b>					
Sewer Line Repair															
Blue Water Ln	10/1/2024								***	X					
Kenneth St	10/1/2024								- XXX	×					
Parklane Dr	10/1/2024								-	8					
Cleaning & CCTV	- 10 A								CX.X.S.						
overall	12/1/2027		appr	ox. 50% t	o be com	oleted i	n each	year			****		so	ee not	tes
Visual Inspection								2.00					1100		
Manholes - 168Total	12/1/2027		appr	ox. 50% t	o be com	pleted i	n each	year			<b>*****</b>	<b>****</b>	so	ee no	tes
Sewer Reaches - 22000 LF Total - (inspected during CCTV work)			appr	ox. 50% t	o be com	pleted i	n each	year				****	Se	ee not	tes
Smoke Testing			- (1)					1000							
overall	12/1/2027		appr	ox. 50% t	o be com	oleted i	n each	year			****		se	ee no	tes
Flow Monitoring												CONTRACTOR AND ADDRESS OF THE PARTY OF THE P			20-2VL7
Blue Water Lane	continuing										<b>*****</b>	*****		<b>****</b>	
St. John Dr. (DePaul)	continuing										<b>*****</b>	*****	<b>******</b>		<b></b>
Delores St. (Carol Rd)	continuing										<b>****</b>	$\times\!\!\times\!\!\times$	<b>*****</b>	₩	
Andrews Dr.(St. Christopher)	continuing										<b>*****</b>	****	*****	****	<b>********</b>

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 2 years for completion, due to the large area and large number of reaches and manholes, with approximately 50% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### INVESTIGATION OF CONDITIONS - AREA 7

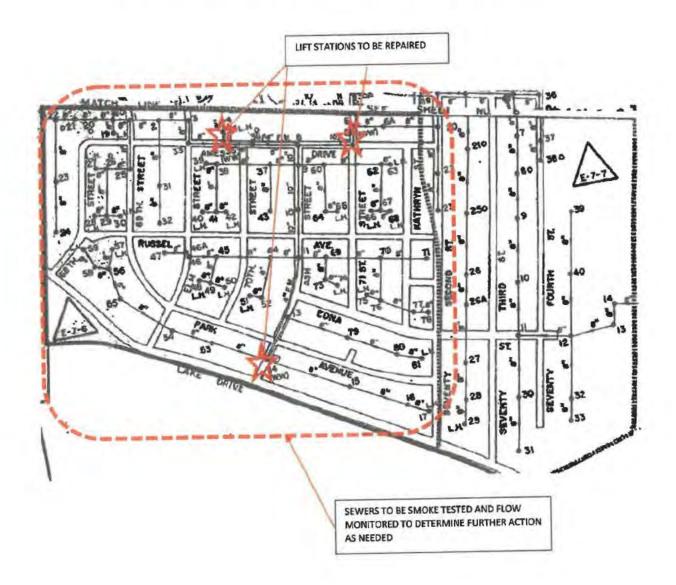
#### **OPINION OF PROBABLE COSTS**

UNIT	QUANTITY		UNIT COST		TOTAL
	1	\$	20,000.00	\$	20,000.00
	1	\$	200,000.00	\$	200,000.00
	1	\$	100,000.00	\$	100,000.00
	1	\$	110,000.00	\$	110,000.00
LS	1	\$	90,000.00	\$	90,000.00
LS	1	\$	110,000.00	\$	110,000.00
LS	1	\$	60,000.00	\$	60,000.00
LF	22000	\$	10.00	\$	220,000.00
EA	168				
LF	22000				
LF	22000	\$	1.50	\$	33,000.00
EA	TBD	\$	1,000.00		
	LS LS LS LF EA LF	LS 1 LS 1 LS 1 LS 1 LS 1 LS 22000  EA 168 LF 22000  LF 22000	LS 1 \$ LS 22000 \$	1 \$ 20,000.00 1 \$ 200,000.00 1 \$ 100,000.00 1 \$ 110,000.00  LS 1 \$ 90,000.00  LS 1 \$ 110,000.00  LS 22000 \$ 10.00  EA 168  LF 22000  LF 22000 \$ 1.50	1 \$ 20,000.00 \$ 1 \$ 200,000.00 \$ 1 \$ 100,000.00 \$ 1 \$ 110,000.00 \$ 1 \$ 110,000.00 \$  LS 1 \$ 90,000.00 \$  LS 1 \$ 110,000.00 \$  LS 1 \$ 60,000.00 \$  LF 22000 \$ 10.00 \$   EA 168  LF 22000  LF 22000 \$ 1.50 \$

- 1. Lift Station and sewer repair work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

ACH INSP	ECTION SHEET										
								LE	GEND		
		BY					FLOW:	F=FULL	H=HALF	D=DRY	
						1	PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
			7 - DEPAU	L GARDEN	S		CONDITION:	Α	VERY GO	DD	
								В	GOOD		
JBDISTRICT	(s)		C-1-6					С	FAIR		
								D	POOR		
ATIONS INC	CLUDED		#3	Blue Wate	r Lane			E	VERY POO	OR	
			#4	St. Jo	hn Dr.	(aka DePa	ul)				
			#14								
			#22	And	rews Dr.						
US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					
			1								
						1					
	JBDISTRICT	JBDISTRICT(s)	ATIONS INCLUDED	BY  7 - DEPAU  JBDISTRICT(s)  C-1-6  ATIONS INCLUDED  #3  #4  #14  #14  #22	BY  7 - DEPAUL GARDEN  JBDISTRICT(s)  C-1-6  ATIONS INCLUDED  #3 Blue Wate  #4 St. Joi  #14 Delc  And	BY  7 - DEPAUL GARDENS  DEDISTRICT(s)  C-1-6  ATIONS INCLUDED  #3 Blue Water Lane  #4 St. John Dr.  #14 Delores St.  #22 Andrews Dr.	BY  7 - DEPAUL GARDENS  JBDISTRICT(s)  C-1-6  ATIONS INCLUDED  #3 Blue Water Lane  #4 St. John Dr. (aka DePa  #14 Delores St. (aka Carol  #22 Andrews Dr. (aka St. Ch	BY FLOW: PIPE TYPE:  7 - DEPAUL GARDENS CONDITION:  BBDISTRICT(s) C-1-6  ATIONS INCLUDED #3 Blue Water Lane #4 St. John Dr. (aka DePaul) #14 Delores St. (aka Carol Rd.) #22 Andrews Dr. (aka St. Christopher)	BY	BY  FLOW: F=FULL H=HALF  PIPE TYPE: C=CLAY P=PVC  7 - DEPAUL GARDENS  CONDITION: A VERY GOO  B GOOD  B GOOD  C-1-6  C FAIR  D POOR  ATIONS INCLUDED  #3 Blue Water Lane  E VERY POOR  #4 St. John Dr.  (aka DePaul)  #14 Delores St.  (aka Carol Rd.)  #22 Andrews Dr.  (aka St. Christopher)	BY

## Parkside South Area Sewer Map – Priority Area 8



### CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 8**

The second secon					2023				202	4 2025	2026	2027 2	028 202	9 203	30 2031
Activity	End Date	JAN FE	B MAR	APR MAY	I NUL	UL AUG	SEP C	CT NOV	DEC						
Pump Station Repair/Replacement															
71St. & Ames Dr.	12/31/2025									*****	8 1				
Park Place (rear) (Lake Dr Pill Box)	12/31/2025								<b>***</b>						
Ames Dr (Willie Holmes Pill Box)	12/31/2025								<b>***</b>						
Sewer Line Repair					1000				2.00	and an artist of the					
none															
Interceptor Construction (West Section)					0										
Feasibility Study & Preliminary Design	12/31/2024									8					
Detailed Design & Bid Documents	12/31/2025								J.S. C.S.	8888	see no	otes			
Construction	12/31/2028										****		<b>***</b>		
Cleaning & CCTV															
overall	12/31/2029										see no	otes	888	×	
Visual Inspection						15/25				01-	-		1000	-	
Manholes - 82 Total	12/31/2029										see no	otes		8	
Sewer Reaches - 16000 LF Total - (inspected during CCTV work)											see no	otes		<u> </u>	
Smoke Testing	1100			- 16				Va							
overall	12/31/2029										see no	otes	888	8	
Flow Monitoring							4	496			SOUTH BUILD			STEEL SECTION	NOTE OF THE PARTY.
71St. & Ames Dr.	continuing										****	***	$\bowtie$	₩	
Park Place (rear) (Lake Dr Pill Box)	continuing										****		$\infty$	$\otimes$	$\otimes\!\!\!\otimes\!\!\!\otimes$
Ames Dr (Willie Holmes Pill Box)	continuing									-	<b>*****</b>	****		₩₩	$\infty$

#### NOTES

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area is dependent on elimination of frequent surcharged conditions from backups from downstream sewers in East St. Louis. Therfore this work is currently scheduled to follow the construction of the interceptor. Should the East St. Louis surcharge issue be able to be rectified earlier, this work would be moved up in schedule accordingly.

<sup>2.</sup> Detailed design of the interceptor and bid document production may not include receipt of or approval from all required entities and agencies by the listed date

PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 8**

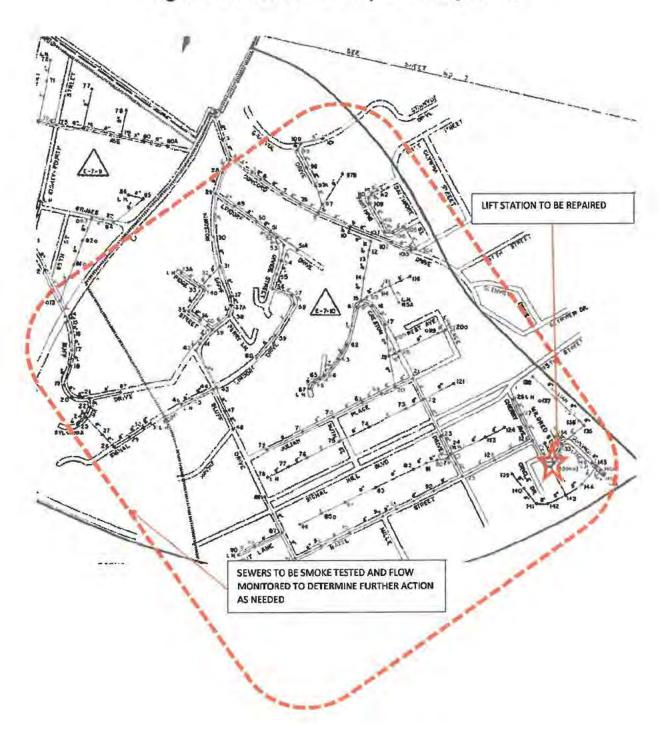
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
71St. & Ames Dr.		1	\$ 200,000.00	\$ 200,000.00
Park Place (rear) (Lake Dr Pill Box)		1	\$ 200,000.00	\$ 200,000.00
Ames Dr (Willie Holmes Pill Box)		1	\$ 130,000.00	\$ 130,000.00
Sewer Line Repair				
none				
Cleaning & CCTV	LF	16000	\$ 10.00	\$ 160,000.00
Inspection (costs included above)				
Manholes	EA	82		
Sewer Reaches	LF	16000		
Smoke Testing	LF	16000	\$ 1.50	\$ 24,000.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER R	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE			ВҮ					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				8 - PARKSI	DE SOUTH			CONDITION:	Α	VERY GOO	DD	
									В	GOOD		
SEWER S	JBDISTRICT	(s)		E-7-6					С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	CLUDED		#35	71St. & An	nes Dr.			E	VERY POO	)R	
				#50	Park	Place (rear)	(aka Lake	Dr Pill Box)				
				#55	Ame			e Holmes Pill B	ox)			
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES		•	**-		
						<u> </u>						

## Signal Hill Area Sewer Map - Priority Area 9



### CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

by the support of the						- 8	2023					2024	202	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Activity	End Date	JAN	FEB N	MARA	PR M			LAU	G SEF	00	TNO													
Pump Station Repair/Replacement	120										-74815		ATKING TO A TKA L											
Superior Dr.	7/1/2026												<b>***</b>	*****										
Sewer Line Repair				-8	-3	-/-		-82																
none																								
Cleaning & CCTV	or o		-0.00		306			50	- 14						0									/25 - SERV
overall	12/1/2036																				see n	ote		***
Visual Inspection			77.0			1011		, 10	-00	77								1/						
Manholes - 177 Total	12/1/2036																				see n	ote		<b>***</b>
Sewer Reaches - 35000 LF Total - (inspected during CCTV work)																					see n	ote		
Smoke Testing																								
overall	12/1/2036																				see n	ote		***
Flow Monitoring															vacterate.	novemen						-	= -2	
Superior Dr.	continuing							T						XXXX	RXXXX	XXXX	<b>₹</b>	<b>****</b>	*****	<b>*****</b>	<b>****</b>	*****	***	XXX

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

## **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 9**

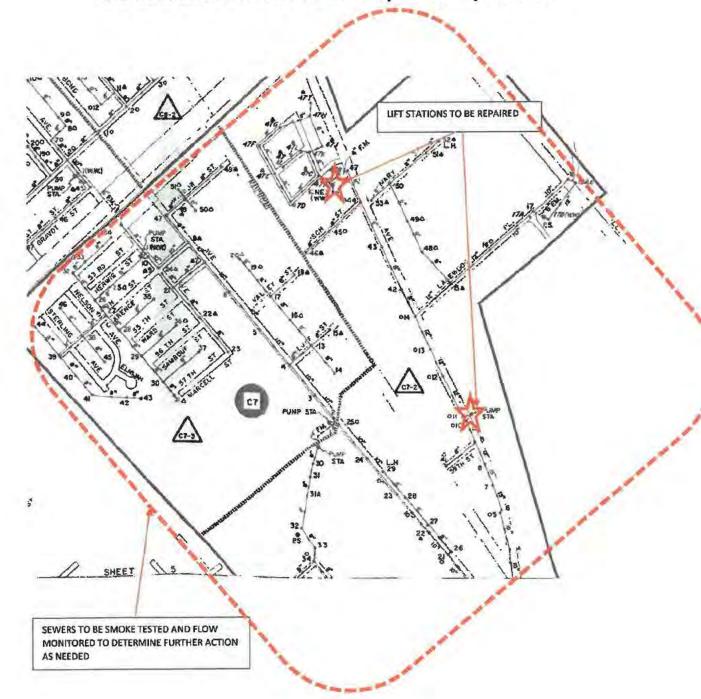
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
Superior Dr.		1	\$ 130,000.00	\$ 130,000.00
Sewer Line Repair				
none				
Cleaning & CCTV	LF	35000	\$ 10.00	\$ 350,000.00
Inspection (costs included above)				
Manholes	EA	177		
Sewer Reaches	LF	35000		
Smoke Testing	LF	35000	\$ 1.50	\$ 52,500.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

		ECTION SHEET							15	GEND	1	
DATE			BY				1	FLOW:	F=FULL	H=HALF	D=DRY	
DATE			ВТ	-			-	PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
ADEA				9 - SIGNAI	UIII		1	CONDITION:		VERY GOO	-1	(note)
AREA				9 - SIGNAL	- MILL		-	CONDITION.	В	GOOD	1	-
CE: 44ED C	IDDICTOICS	-, \		57057	10		-		C	FAIR		
SEWER SI	UBDISTRICT	(S)		E-7-9, E-7-	10		-		77.5		-	
									D	POOR		
PUMP ST	ATIONS IN	CLUDED			Creston Dr		ļ		E	VERY POO	)R	
				#54	Superior Dr	•						_
							-					
DS MH #	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					

## Old Missouri Ave. Area Sewer Map - Priority Area 10



PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

							2023				2024	2025	2026	2027	2028	2029	2030	2031
Activity	End Date	JAN	FEB	MAR	APR	MAY	וחר אחר	AUG	SEP OCT	NOV DEC								
Pump Station Repair/Replacement																		- Stayes
Greystone Dr.	12/31/2026																	2570
Old Missouri Ave. ( Mary Ryans)	9/30/2023	***				****	<b>***</b>		***									6
Sewer Line Repair	- MANUTE - N																	
none																		
Cleaning & CCTV																		
overall	12/31/2025											<b>****</b>		see no	ote			
Visual Inspection																		
Manholes - 64 Total	12/31/2025													see no	ote			
Sewer Reaches - 16000 LF Total - (inspected during CCTV work)	12/31/2025			1										see no	ote			
Smoke Testing	5.00																	
overall	12/31/2025											*****		see no	ote			
Flow Monitoring																		
Greystone Dr.	continuing										(*==**********************************			***		****	****	<b>***</b>
Old Missouri Ave. ( Mary Ryans)	continuing												<b>****</b>		<b>*****</b>	***	<b>*****</b>	<b>****</b>

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 10**

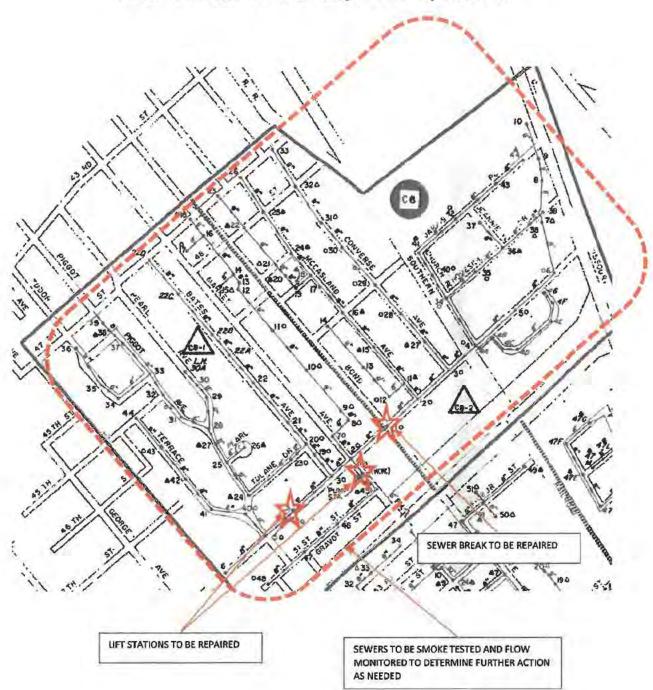
#### OPINION OF PROBABLE COSTS

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
Greystone Dr.	LS	1	\$ 130,000.00	\$ 130,000.00
Old Missouri Ave. ( Mary Ryans)	LS	1	\$ 205,000.00	\$ 205,000.00
Sewer Line Repair	LS			
none				
Cleaning & CCTV	LF	16000	\$ 10.00	\$ 160,000.00
Inspection (costs included above)				
Manholes	EA	64		
Sewer Reaches	LF	16000		
Smoke Testing	LF	16000	\$ 1.50	\$ 24,000.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work for Greystone yet to be designed. Old Missouri under contract as of Dec 2022
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER R	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE			BY					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				10 - OLD M	ISSOURI A	AVE.		CONDITION:	Α	VERY GO	OD	
									В	GOOD		
SEWER S	UBDISTRICT	(s)		C-7-2					С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	CLUDED		#47	Greys	tone Dr.			E	VERY POO	OR	
				#52	Old	Missouri Ave.	(aka Man	(Ryans)				
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					

## I-255 West Area Sewer Map - Priority Area 11



## CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES													-		-		-		_	_
	7101						23							2025	2026	2027	2028	2029	2030	203
Activity	End Date	JAN	FEB N	AAR AI	PR MA	NUL	JUL	AUG	SEP	ОСТ	NO	V DEC								
Pump Station Repair/Replacement																				
51 St. & Market Ave.	7/1/2024			<b>***</b>	$\otimes \otimes$					***	***	****								
Sewer Line Repair				200000	.vortec.ima	0000000						retoria di e			WE-1/V			6576755051	10 E - 17 E	
Bond Ave.	3/30/2023	$\bowtie$	****	<b>***</b>																
Cleaning & CCTV				(4), (1), (1)								(9		egger stigting		/5				
overall	12/31/2026		a	pprox.	50% to	be co	mple	ted in	each	ı yea	r			<u> </u>					see no	otes
Visual Inspection																	,,			
Manholes - 101 Total	12/31/2026		a	pprox.	50% to	be co	mple	ted in	eacl	n yea	r			<b>*****</b>					see no	otes
Sewer Reaches - 25000 LF Total - (inspected during CCTV work)	12/31/2026		a	pprox.	50% to	be co	mple	ted in	each	n yea	r				<b>****</b>				see no	otes
Smoke Testing																				
overall	12/31/2026		a	pprox.	50% to	be co	mple	ted in	each	n yea	r	1_		<b>****</b>					see no	otes
Flow Monitoring						70	-									2				
51 St. & Market Ave.	continuing										1				<b>****</b>	<b>*****</b>	***	<b>*****</b>	<b>*****</b>	₩₩

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 4 and 11 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 2 years for completion, due to the large area and large number of reaches and manholes, with approximately 50% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 11**

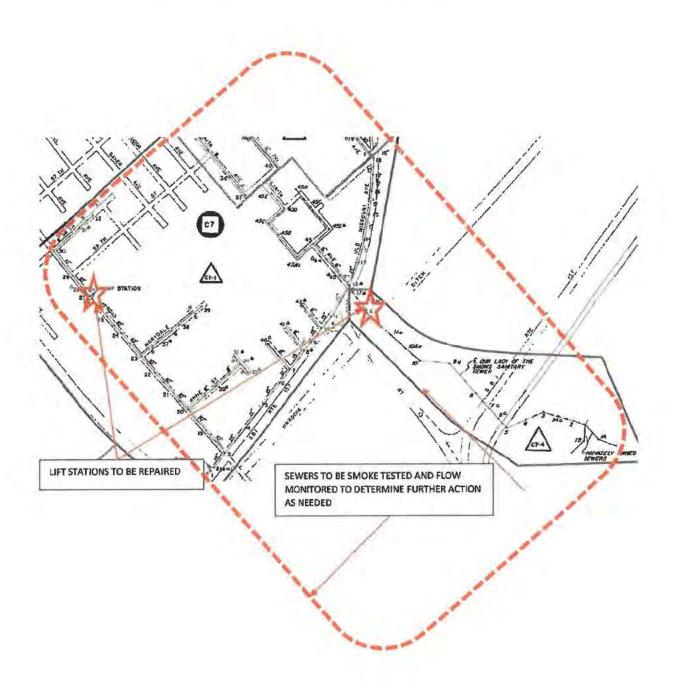
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
51st and Market Ave.	LS	1	\$ 180,000.00	\$ 180,000.00
Sewer Line Repair				
Bond Ave.	LS	1	\$ 60,000.00	
Cleaning & CCTV	LF	25000	\$ 10.00	\$ 250,000.00
Inspection (costs included above)				
Manholes	EA	101		
Sewer Reaches	LF	25000		
Smoke Testing	LF	25000	\$ 1.50	\$ 37,500.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work or sewer repair yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER R	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE		"	BY			the same of the sa		FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				11 - I-255	WEST			CONDITION:	Α	VERY GOO	DD	
						1			В	GOOD		
SEWER SI	UBDISTRICT	r(s)		C-8-1, C-8-	2				С	FAIR		
									D	POOR		
PUMP ST	ATIONS IN	CLUDED		#32	51st and I	Market Ave.			E	VERY POO	)R	
				#53	Mous	ette Ln.						
DS MH #	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					

## IL 163 & IL 157 Area Sewer Map - Priority Area 12



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES																					
							202	3						2024	2025	2026	2027	2028	2029	2030	2031
Activity	End Date	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC								
Pump Station Repair/Replacement						10															
Church Rd	12/31/2026	(													***						
Old Missouri Ave. (Lady of Snows)	12/1/2023			****							***									LINE	
Sewer Line Repair	-/ii													0	23		Mess or		0.000		- K2-
none																					
Cleaning & CCTV																					Territoria de la constanta
overall	12/31/2031			appro	x. 50	% to t	e com	plete	ed ea	ch ye	ear			see no	otes						
Visual Inspection																					
Manholes - 64 Total	12/31/2031			appro	x. 50	% to b	e com	plete	ed ea	ch ye	ear			see no	otes					<b>****</b>	******
Sewer Reaches - 16000 LF Total - (inspected during CCTV work)	12/31/2031			appro	x. 50	% to b	e com	plete	ed ea	ch ye	ear			see no	otes					<b>***</b>	******
Smoke Testing	53											25									
overall	12/31/2031			appro	x. 50	% to I	e com	plete	ed ea	ch ye	ear			see no	otes					<b>****</b>	
Flow Monitoring											waren aa		C								
Church Rd	continuing															****	****	<b>****</b>	*****	<b>****</b>	
Old Missouri Ave. (Lady of Snows)	continuing															***	<b>****</b>		****	<b>****</b>	<b>****</b> ***

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 12-14-15 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 50% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 12**

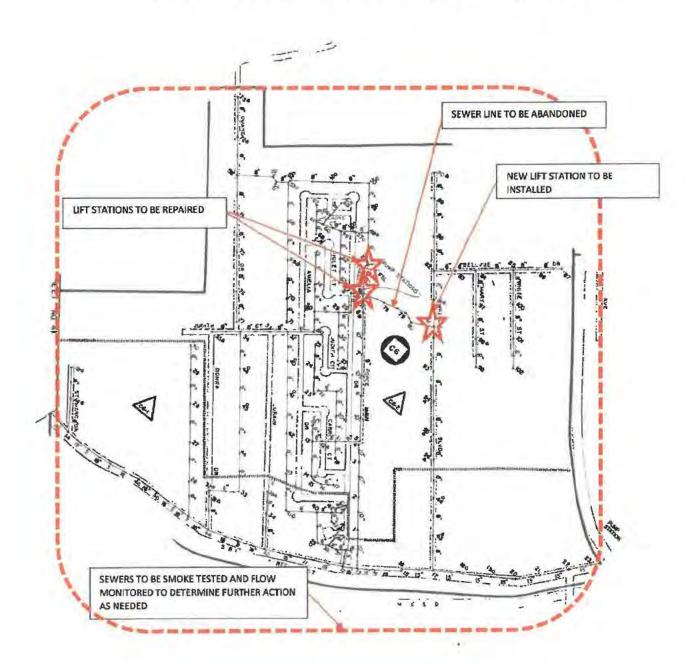
#### OPINION OF PROBABLE COSTS

LS LS	1	\$	20,000.00	\$	20.000.00
	1 1	-	20,000.00	\$	20,000.00
LS	1	4			20,000.00
	770	\$	220,000.00	\$	220,000.00
LS					
LF	16000	\$	10.00	\$	160,000.00
EA	64				
LF	16000				
LF	16000	\$	1.50	\$	24,000.00
EA	TBD	\$	1,000.00		
	EA LF LF	EA 64 LF 16000 LF 16000	EA 64 LF 16000 LF 16000 \$	EA 64 LF 16000 \$ 10.00  LF 16000 LF 16000 \$ 1.50	LF 16000 \$ 10.00 \$  EA 64  LF 16000  LF 16000 \$ 1.50 \$

- 1. Lift Sta. work on Church Rd yet to be designed, Old Missouri Ave. awaiting contract award as of Jan 2023
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

	ECTION SHEET										
								LEG	GEND		
*		ву			0		FLOW:	F=FULL	H=HALF	D=DRY	
							PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
			12 - IL 163 8	& IL 157			CONDITION:	Α	VERY GO	OD	
								В	GOOD		
BDISTRICT	(s)		C-7-1, C-7-4					С	FAIR		
								D	POOR		
TIONS INC	CLUDED		#48	1 blO	Missouri Ave.	(aka IC Tr	acks)	E	VERY POO	OR	
			#49	Old I	Missouri Ave.				İ		
			#67								
US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES		-	**		
			i i								
			1 1								
			+ +								
			+ +								
			1			-					
			+ +			-					
			+			-					
		-	+								
			-			-					
		-									
	ATIONS INC	BDISTRICT(s) ATIONS INCLUDED  US MH # LF OF REACH	BDISTRICT(s)	12 - IL 163 8 BDISTRICT(s) C-7-1, C-7-4 ATIONS INCLUDED #48 #49 #67	12 - IL 163 & IL 157  BDISTRICT(s)  C-7-1, C-7-4  ATIONS INCLUDED  #48 Old I  #49 Old I  #67 Chur	12 - IL 163 & IL 157  BDISTRICT(s)  C-7-1, C-7-4  ATIONS INCLUDED  #48  Old Missouri Ave.  #49  Old Missouri Ave.  #67  Church Rd	12 - IL 163 & IL 157  BDISTRICT(s)  C-7-1, C-7-4  ATIONS INCLUDED  #48  Old Missouri Ave. (aka IC Tr.  #49  Old Missouri Ave. (aka Lady  #67  Church Rd	BDISTRICT(s)  C-7-1, C-7-4  ATIONS INCLUDED  #48  Old Missouri Ave. (aka IC Tracks)  #49  Old Missouri Ave. (aka Lady of the Snows)  #67  Church Rd	BY	PIPE TYPE: C=CLAY   P=PVC	BY

## Lauralee & Violet Area Sewer Map - Priority Area 13



## CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES																			
						20	23					2024	2025	2026	2027	2028	2029	2030	2031
Activity	End Date	JAN	FEB 1	1AR AF	PR MA	AUL YA	JUL	AUG	SEP	OCT NOV	DEC								
Pump Station Repair/Replacement												octor de							
Lauralee & Violet	6/1/2026													****					
Sewer Line Repair																			
Abandon line between Renois and Lauralee (incl above)																			
Cleaning & CCTV							-												
overall	12/1/2026		a	oprox.	50% to	be co	mple	ted i	n each	year					see no	otes			
Visual Inspection											167								
Manholes - 148 Total	12/1/2026		a	oprox.	50% to	be co	mple	ted i	n each	year					see no	otes			
Sewer Reaches - 44000 LF Total - (inspected during CCTV work)	12/1/2026		a	oprox.	50% to	be co	mple	ted i	n each	ı year			****	*****	see no	otes			
Smoke Testing																			
overall	12/1/2026		a	pprox.	50% to	be co	mple	ted i	n each	year			****		see no	otes			
Flow Monitoring																	NACON PRO	atternatives.	
Lauralee & Violet	continuing													*****	<b>****</b>	<b>****</b>	<b>****</b>	<b></b>	

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 2 years for completion, due to the large area and large number of reaches and manholes, with approximately 50% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 13**

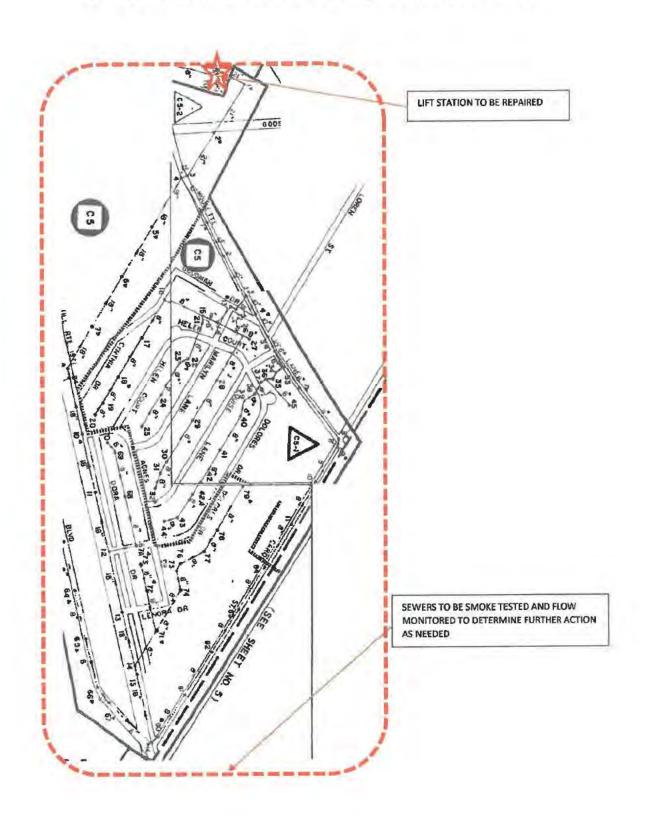
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
Lauralee & Violet	LS	1	\$1,200,000.00	\$ 1,200,000.00
Sewer Line Repair				
none	LS			
Cleaning & CCTV	LF	44000	\$ 10.00	\$ 440,000.00
Inspection (costs included above)				
Manholes	EA	148		
Sewer Reaches	LF	44000		
Smoke Testing	LF	44000	\$ 1.50	\$ 66,000.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- Lift Station work yet to be designed, and will include a new station at Renois Blvd, and one station to be abandoned on Lauralee
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER RI	EACH INSP	ECTION SHEET										
I									LE	GEND		
DATE			ВУ					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				13 - LAUR	ALEE & VIO	LET		CONDITION:	A	VERY GO	OD	
									В	GOOD		
SEWER SU	JBDISTRICT	(s)		C-6-1, C-6-	2				С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	CLUDED		#31	Violet Dr		1		E	VERY POO	OR	
				#51	Lauralee &	Violet Dr.						
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					
		1										
			1									

## Delores & Louise Area Sewer Map - Priority Area 14



### CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

						2023					2024	2025	2026	2027	2028	2029	2030	2031	2032	203
Activity	End Date	JAN F	B MAR	APR M			AUG	SEP	OCT I	NOV D		1								-
Pump Station Repair/Replacement		-								- 1.500						A				
Jerome & Mousette (Sta. 5A)	12/31/2026											<b>****</b>								
Sewer Line Repair																				
And the state of t																				
Cleaning & CCTV			Vices							160	- 125			10000113134						
overall	12/1/2029		appr	эх. 33 %	to be	comple	eted i	n eacl	n year					<b>****</b>	****	*****		see no	tes	
Visual Inspection																				Ar .
Manholes - 76 Total	12/1/2029		appr	ох. 33 %	to be	comple	eted i	n each	n year					<b>****</b>	****	‱		see no	tes	
Sewer Reaches - 27000 LF Total - (inspected during CCTV work)	12/1/2029		appr	ох. 33 %	to be	comple	eted i	n each	n year					<b>****</b>				see no	otes	
Smoke Testing																				
overall	12/1/2029		appr	эх. 33 %	to be	comple	eted i	n eacl	n year					<b>****</b>	*****	****		see no	otes	
Flow Monitoring			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											-00.0076.70.3	E-MARIE SELECTOR	JACOB DE LA CONTRACTOR DE		Ti-		
Jerome & Mousette (Sta. 5A)	continuing						1							88888	888888	<b>4</b> 00000	88888	****	*****	888

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 12-14-15 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 33% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 14**

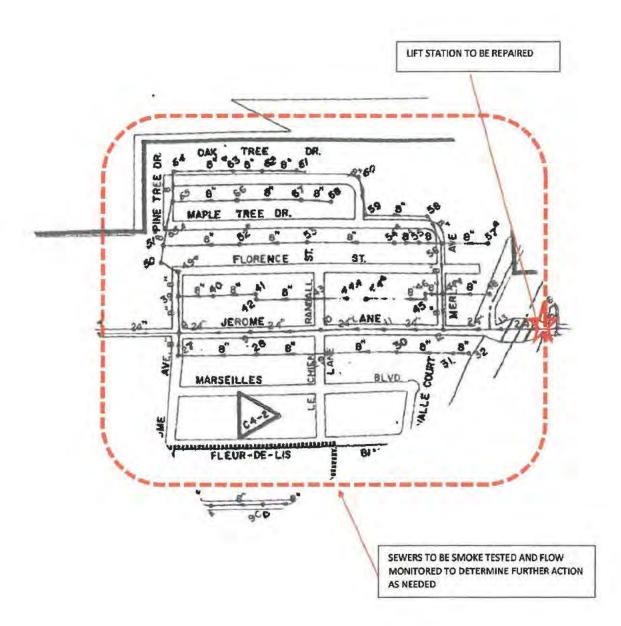
#### OPINION OF PROBABLE COSTS

ITEM	UNIT	QUANTITY	l	JNIT COST	TOTAL
Lift Station Repair/Replacements					
Jerome & Mousette (Sta. 5A)	LS	1	\$	50,000.00	\$ 50,000.00
Sewer Line Repair					
none	LS				
Cleaning & CCTV	LF	27000	\$	10.00	\$ 270,000.00
Inspection (costs included above)					
Manholes	EA	76			
Sewer Reaches	LF	27000			
Smoke Testing	LF	27000	\$	1.50	\$ 40,500.00
Flow Monitoring	EA	TBD	\$	1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

ACH INSP	ECTION SHEET										
								LE	GEND		
,		BY					FLOW:	F=FULL	H=HALF	D=DRY	
							PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
			14 - DELO	RES & LOU	ISE		CONDITION:	Α	VERY GO	OD	
								В	GOOD		
BDISTRICT	(s)		C-5-1, C-5-	2		1		С	FAIR		
								D	POOR		
ATIONS INC	LUDED		#12	Jerome &	Mousette	(aka Sta.	5A)	E	VERY PO	OR	
US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					
	BDISTRICT	BDISTRICT(s)	BDISTRICT(s)	BY  14 - DELO  BDISTRICT(s)  C-5-1, C-5-  ATIONS INCLUDED  #12	BY  14 - DELORES & LOU  BDISTRICT(s)  C-5-1, C-5-2  ATIONS INCLUDED  #12  Jerome &	BY  14 - DELORES & LOUISE  BDISTRICT(s)  C-5-1, C-5-2  ATIONS INCLUDED  #12 Jerome & Mousette	BY  14 - DELORES & LOUISE  BDISTRICT(s)  C-5-1, C-5-2  ATIONS INCLUDED  #12 Jerome & Mousette (aka Sta.	BY FLOW: PIPE TYPE:  14 - DELORES & LOUISE CONDITION:  BDISTRICT(s) C-5-1, C-5-2  TIONS INCLUDED #12 Jerome & Mousette (aka Sta. 5A)	BY	BY  BY  FLOW: F=FULL H=HALF  PIPE TYPE: C=CLAY P=PVC  14 - DELORES & LOUISE  CONDITION: A VERY GOOD  BDISTRICT(s)  C-5-1, C-5-2  C FAIR  D POOR  ATIONS INCLUDED  #12 Jerome & Mousette (aka Sta. 5A)  E VERY POOR	BY  BY  FLOW: F=FULL H=HALF D=DRY  PIPE TYPE: C=CLAY P=PVC O=OTHER  CONDITION: A VERY GOOD  BOUND BOUND B GOOD  C-5-1, C-5-2  C FAIR  D POOR  ATIONS INCLUDED  #12 Jerome & Mousette (aka Sta. 5A)  E VERY POOR

## Marseilles & Fleur de Lis Area Sewer Map - Priority Area 15



## CITY OF CAHOKIA HEIGHTS, IL SANITARY SEWER SYSTEM WET-WEATHER SSO INVESTIGATION PLAN

PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

						2023						202/	2025	2026	2027	2028	2029	2030	203:
	1		[	_ 1									1 2023	2020	2021	2020	2023	2030	203
Activity	End Date	JAN F	EB MA	RIAPI	MAY	זר אחר	JL A	AUG	EP (	DCT N	OV DEC								
Pump Station Repair/Replacement							-0.0			100				000.011.00					
Jerome & Mousette (Sta. 5)	12/31/2026												<b>****</b>						
Sewer Line Repair																			
none																			
Cleaning & CCTV																			
overall	6/1/2029		арр	rox. 3	3% to b	e comp	lete	ed in e	ach	year					<b>****</b>				see notes
Visual Inspection											- 92		403						
Manholes - 84 Total	6/1/2029		арр	rox. 3	3% to b	e comp	lete	ed in e	each y	year					****	****	****		see notes
Sewer Reaches - 25000 LF Total - (inspected during CCTV work)	6/1/2029		арр	rox. 3	3% to b	e comp	lete	ed in e	each v	year					<b>****</b>	****	<b>****</b>		see notes
Smoke Testing															**********				
overall	6/1/2029		арр	rox. 3	3% to b	e comp	lete	ed in e	each v	year					<b>*****</b>		***		see notes
Flow Monitoring																		-05-1000	
Jerome & Mousette (Sta. 5)	continuing														*****	<b>****</b>	****	****	

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 12-14-15 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 33% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

## **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 15**

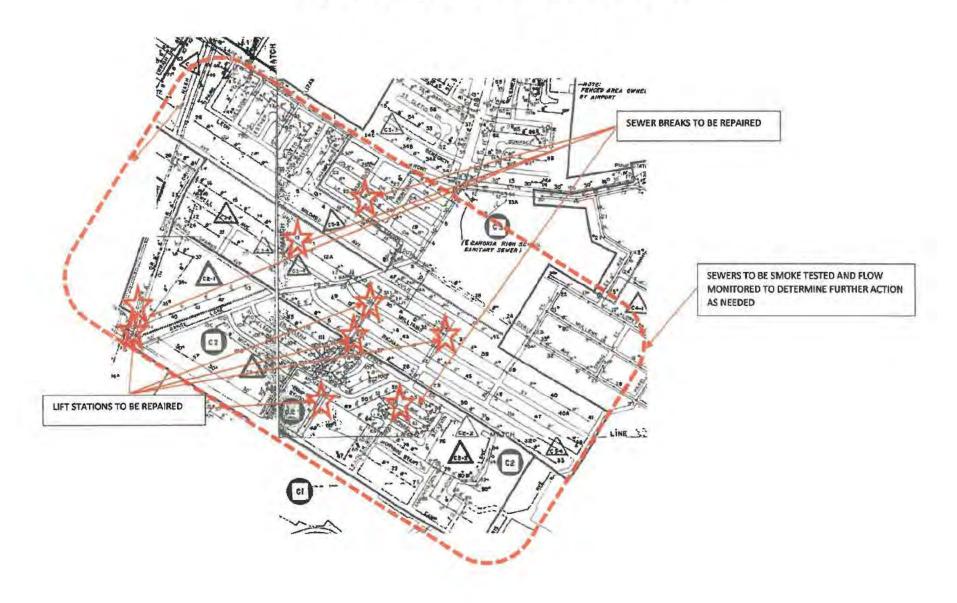
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	ı	JNIT COST	TOTAL
Lift Station Repair/Replacements					
Jerome & Mousette (Sta. 5)	LS	1	\$	40,000.00	\$ 40,000.00
Sewer Line Repair					
none	LS				
Cleaning & CCTV	LF	24000	\$	10.00	\$ 240,000.00
Inspection (costs included above)					
Manholes	EA	84			
Sewer Reaches	LF	25000			
Smoke Testing	LF	25000	\$	1.50	\$ 37,500.00
Flow Monitoring	EA	TBD	\$	1,000.00	

- 1. Lift Station work yet to be designed.
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER R	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE			BY			•		FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				15 - MARS	EILLES & F	LEUR DE LIS		CONDITION:	Α	VERY GO		
									В	GOOD		
SEWER S	UBDISTRICT	Γ(s)		C-4-2					С	FAIR		
							ĺ		D	POOR		
PUMP ST	ATIONS IN	CLUDED		#2	Jerome &	Mousette	(aka Sta.	5)	E	VERY POO	OR	
				#69	lero	me Ln	(aka Dive	rsion)				
DC MU #	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					
			-			-	-					
							-					
			-			-						

## Range Lane Area Sewer Map - Priority Area 16



PREPARED FOR REVIEW AND APPROVAL BY:

#### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION 5**

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES				2	2023			2024	2025	2026 2	027 20	20 202	2020	2021	2022	2022	2024	202
Activity	End Date	IAN FEE	MARIAD		IN JUL AUG S	EP OCT	NOV DEC		2025	2020 2	02/ 20	202	2030	2031	2032	2055	2034	203
Pump Station Repair/Replacement	Lilu Date	DAIA LEE	) INDIVIAL	טנן זאואון זי	MIJOLINOGIS	EFFOCT	INOVIDEC							-	_		_	_
	1 . a to . to a a		1 1			-		22222	XXXX			-1	-					
Cooper Drive	12/31/2025		-	-	$\rightarrow$	_		*****	****	-	_	_	-	-	-	_		
Ellen & Richard	12/31/2025							‱	8888			400						
Hutchings	12/31/2025							88888 88888	***									
Ellen & Williams	12/31/2025							<b>****</b>	****									
Williams & Kay St.	12/31/2025								****									
Sewer Line Repair																		
St. Zita Ln	10/1/2024							‱										
Cooper Drive	10/1/2024							ண										
Mildred Ave.	10/1/2024							****										
LaSalle St.	10/1/2024																	
Cleaning & CCTV														"				_
overall	12/31/2035	арргох 2	5% of total	to be com	pleted in each	year		see no	ites						****	<b>****</b>	****	888
Visual Inspection																-		
Manholes - 293 Total	12/31/2035	approx 2	5% of total	to be com	pleted in each	year		see no	ites						****	*****	****	888
Sewer Reaches - 87000 LF Total - (inspected during CCTV work)	12/31/2035	approx 2	5% of total	to be com	pleted in each	year		see no	ites						<b>****</b>	****		$\otimes$
Smoke Testing																		
overall	12/31/2035	approx 2	5% of total	to be com	pleted in each	year		see no	otes						$\bowtie$	$\times\!\!\!\times\!\!\!\times\!\!\!\times$	****	₩
Flow Monitoring	W			-			97——W			WWW.	240200			S S Marche				
Cooper Drive	continuing									****			****			****		₩
Ellen & Richard	continuing									****	$\infty$	$\infty$		<b>****</b>		$\otimes$	****	₩
Hutchings	continuing									XXXX	****	$\infty$	*****			<b>****</b>		燹
Ellen & Williams	continuing									XXXX	***	<b>XXXX</b>				⋘	₩₩	▩
Williams & Kay St.	continuing		1 1							8888 B	888	88888X	<b>36</b> 0000			XXXX	BXXXXI	XX

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 25% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 16**

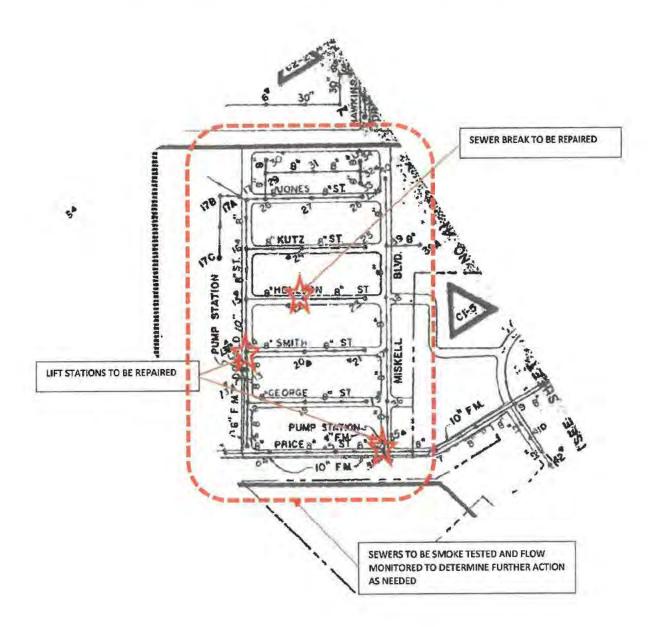
#### OPINION OF PROBABLE COSTS

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
Cooper Drive	LS	1	\$ 130,000.00	\$ 130,000.00
Ellen & Richard	LS	1	\$ 130,000.00	\$ 130,000.00
Hutchings	LS	1	\$ 130,000.00	\$ 130,000.00
Ellen & Williams	LS	1	\$ 130,000.00	\$ 130,000.00
Williams & Kay St.	LS	1	\$ 50,000.00	\$ 50,000.00
Sewer Line Repair				
St. Zita Ln	LS	1	\$ 90,000.00	\$ 90,000.00
Cooper Drive	LS	1	\$ 90,000.00	\$ 90,000.00
Mildred Ave.	LS	1	\$ 180,000.00	\$ 180,000.00
LaSalle St.	LS	1	\$ 130,000.00	\$ 130,000.00
Cleaning & CCTV	LF	87000	\$ 10.00	\$ 870,000.00
Inspection (costs included above)				
Manholes	EA	293		
Sewer Reaches	LF	87000		
Smoke Testing	LF	87000	\$ 1.50	\$ 130,500.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER RI	EACH INSP	ECTION SHEET										
										GEND		
DATE			BY					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				16 - RANG	E LANE			CONDITION:	Α	VERY GO	OD	
									В	GOOD		
SEWER SU	JBDISTRICT	Γ(s)		C-2-1, C-2-	2, C-3-2, C	-3-4			С	FAIR		
							1		D	POOR		
PUMP ST	ATIONS IN	CLUDED		#1	Cooper Dr	rive	1		E	VERY POO	OR	
				#7	Ellen & Ric	chard						
				#16	Hutch							
					Ellen & W							
					Williams 8							
DS MH # US												
DS MH # US I	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					

## Donald St. Area Sewer Map - Priority Area 17



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES																					
30000 C C C C C C C C C C C C C C C C C						202	23			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Activity	End Date	JAN	FEB N	IAR AP	R MAY	JUN	JUL AL	IG SEP OC	T NOV DE	c										V.	
Pump Station Repair/Replacement						V 1	,														
Donald St	12/31/2025										‱									3	
Miskell Blvd	12/31/2025									<b>****</b>	****						ĺ		î i		F
Sewer Line Repair		4		. VIII			91 - 72	77111	- C				_				0	V)			
Halloran St.	10/1/2024									***											
Cleaning & CCTV					-1/1																- XX-88
overall	12/1/2035	appro	x 33%	of total	to be o	compl	eted in	each year									see no	otes			$\otimes \otimes$
Visual Inspection																					
Manholes - 82 Total	12/1/2035	appro	x 33%	of total	to be	compl	eted in	each year									see no	otes		⋘	ቖ፠
Sewer Reaches - 28000 LF Total - (inspected during CCTV work)	12/1/2035	appro	x 33%	of total	to be	compl	eted in	each year									see no	otes	****	***	ቖ፠
Smoke Testing	CEO.										1150					,	3555				
overall	12/1/2035	appro	x 33%	of total	to be	compl	eted in	each year									see no	otes	<b>****</b>		<b>88888</b>
Flow Monitoring	100			19	4,		70m (W	-24 18		V.S.——	200										
Donald St	continuing											<b>****</b>		<b>*****</b>	<b>****</b>	<b>*****</b>			<b>*****</b>		፠፠
Miskell Blvd	continuing											****		<b>****</b>	****	<b>****</b>	XXXX				₩₩

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 17-18-19 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 33% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

## **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

#### AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 17**

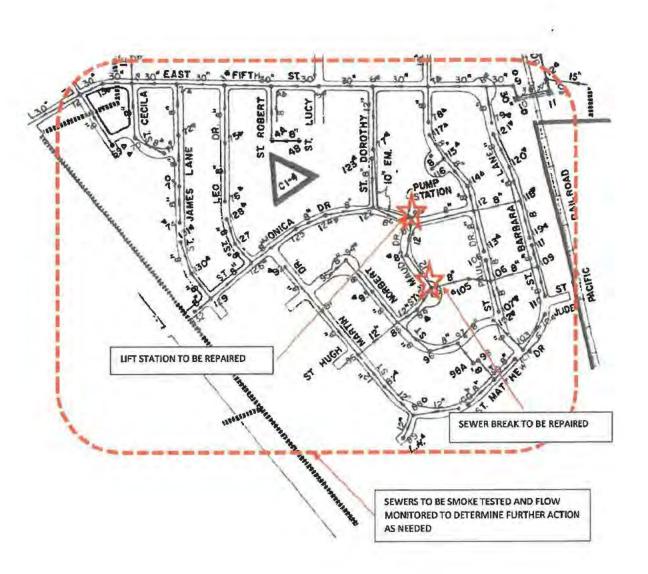
#### OPINION OF PROBABLE COSTS

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
Donald St		1	\$ 120,000.00	\$ 120,000.00
Miskell Blvd		1	\$ 70,000.00	\$ 70,000.00
Sewer Line Repair				
Halloran Dr.	LS	1	\$ 90,000.00	\$ 90,000.00
Cleaning & CCTV	LF	28000	\$ 10.00	\$ 280,000.00
Inspection (costs included above)				
Manholes	EA	82		
Sewer Reaches	LF	28000		
Smoke Testing	LF	28000	\$ 1.50	\$ 42,000.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work yet to be designed
- 2. Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER RI	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE			BY					FLOW:	F=FULL	H=HALF	D=DRY	
								PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				17 - DONA	LD ST.			CONDITION:	Α	VERY GOO	DD	
									В	GOOD		
SEWER SU	JBDISTRICT	Γ(s)		C-2-1, C-2-	2, C-3-2, C-	3-4			С	FAIR		
									D	POOR		
PUMP ST	ATIONS INC	LUDED		#5	Donald St				E	VERY POO	)R	
				#10	Miskell Blv	d						
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					

## St. Monica Area Sewer Map - Priority Area 18



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

SCHEDULE OF ACTIVITIES									W											
					20	023	- 1		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Activity	End Date	JAN F	EB MAR	APR M	AY JUI	N JUL A	AUG SE	P OCT NOV DE	C											
Pump Station Repair/Replacement	***	-767				000		11.00					3 5							
St. Monica	7/1/2026								<b>*****</b>	****	****									
Sewer Line Repair		-	44 - 47		20000			U								- 40				207
St. Maud	8/10/2025									***										
Cleaning & CCTV																				******
overall	12/1/2035	approx	33% of to	tal to b	e comp	oleted i	n each	rear								see no	otes	>>>>	‱	****
Visual Inspection	H																			
Manholes - 75 Total	12/1/2035	approx	33% of to	tal to b	e comp	oleted i	n each	rear								see no	otes	****	⋘	₩₩
Sewer Reaches - 26000 LF Total - (inspected during CCTV work)	12/1/2035	approx	33% of to	tal to b	e com	oleted i	n each	rear	7, 1							see no	otes	****	***	₩₩
Smoke Testing									100											
overall	12/1/2035	approx	33% of to	tal to b	e com	oleted i	n each	rear								see no	otes	****	***	
Flow Monitoring	1)									W 800				200-0200	Caccorone	the Graph Carl	umanenda	LALLEY		
St. Monica	continuing				1	$\Box$					<b>****</b>	<b>****</b>	<b>****</b>	****	*****	******	<b>****</b>	****	***	****

<sup>1.</sup> Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

<sup>2.</sup> Areas 17-18-19 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 33% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

PREPARED FOR REVIEW AND APPROVAL BY:

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5**

ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

#### **INVESTIGATION OF CONDITIONS - AREA 18**

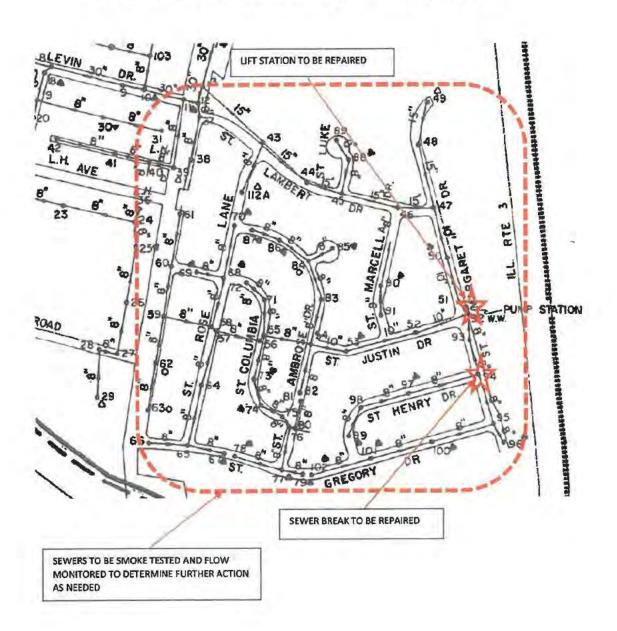
#### **OPINION OF PROBABLE COSTS**

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Lift Station Repair/Replacements				
St. Monica		1	\$ 200,000.00	\$ 200,000.00
Sewer Line Repair				
St. Maud	LS	1	\$ 90,000.00	\$ 90,000.00
Cleaning & CCTV	LF	26000	\$ 10.00	\$ 260,000.00
Inspection (costs included above)				
Manholes	EA	75		
Sewer Reaches	LF	26000		
Smoke Testing	LF	26000	\$ 1.50	\$ 39,000.00
Flow Monitoring	EA	TBD	\$ 1,000.00	

- 1. Lift Station work yet to be designed
- Manholes and sewer reaches will be inspected as part of cleaning and CCTV work
- 3. Cleaning, CCTV, Smoke Testing, and Flow Monitoring to be done with City forces
- 4. Flow monitoring to be included in new lift stations. Other spot monitoring by manhole-top mounted sonic device

SEWER RI	EACH INSP	ECTION SHEET										
									LE	GEND		
DATE			ВУ					FLOW:	F=FULL	H=HALF	D=DRY	
							Î	PIPE TYPE:	C=CLAY	P=PVC	O=OTHER	(note)
AREA				18 - ST. M	ONICA			CONDITION:	Α	VERY GO	OD	
									В	GOOD		
SEWER S	JBDISTRICT	(s)		C-1-4					С	FAIR		
									D	POOR		
PUMP ST	ATIONS IN	CLUDED		#5	St. Monica				E	VERY PO	OR	
DS MH#	US MH#	LF OF REACH	FLOW	PIPE TYPE	DIA	CONDITION	NOTES					
			1									
							1					
			-				1					
			-				+					
-							-					
			-	-								

## Water St. East Area Sewer Map - Priority Area 19



PREPARED FOR REVIEW AND APPROVAL BY:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 5

**ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION** 

AS REQURIED UNDER:

ADMINISTRATIVE ORDER ON CONSENT UNDER SECTION 309(a) OF THE CLEAN WATER ACT, 33 U.S.C. § 1319(a) DATED AUGUST 16, 2021

						202	3				2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	203
Activity	End Date	JAN	FEB M	AR AP	R MAY			UG SE	POC	T NOV DEC								20,4,4,0				
Pump Station Repair/Replacement		_							_													
St. Margaret	7/1/2026								T			<b>****</b>	****									
Sewer Line Repair	1	-		•		-		1				NI CONTRACTOR	202322305									
									1													
Cleaning & CCTV										1/1									-			
overall	12/1/2035	appro	x 33% c	f total	to be o	omple	ted in	each y	ear												****	₩
Visual Inspection	•																			*****		1000
		5 approx 33% of total to be completed in each year																	*****	5000000	<b>XXX</b>	
Manholes - 67 Total	12/1/2035	appro	5 approx 33% of total to be completed in each year 5 approx 33% of total to be completed in each year							1 1	1									KXXXXX	$\infty \infty \infty$	
Manholes - 67 Total  Sewer Reaches - 17000 LF Total - (inspected during CCTV work)			and the second																			
Sewer Reaches - 17000 LF Total - (inspected during CCTV work)			and the second																		<b>***</b>	***
		appro	эх 33% с	f total	to be o	omple	eted in	each y	ear											<b>₩</b>		<b>※</b>
Sewer Reaches - 17000 LF Total - (inspected during CCTV work)  Smoke Testing	12/1/2035	appro	эх 33% с	f total	to be o	omple	eted in	each y	ear													<b>***</b>

- 1. Cleaning, CCTV, visual inspection, and smoke testing of this area will depend on completion of similar work in other areas, according to available resources. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.
- 2. Areas 17-18-19 will be combined during investigation work, due to proximity and size. Cleaning, CCTV, visual inspection, and smoke testing of this area will require up to 3 years for completion, due to the large area and large number of reaches and manholes, with approximately 33% of the total amount of work completed each year. See Schedule and Sequencing Description at the beginning of this Appendix F for more information.

## Appendix G

Sewer Repair and Rehab Locations Map

